



*Hallmark of Reliability!*



**PUBLIC ADDRESS SYSTEMS ■ PA EQUIPMENT**

NOSTALGIA







**A.N. Ahuja**  
Founder Ahuja Group  
1916-2007

Our hearts are filled with pride and with a sense of sincere appreciation, and gratitude to our esteemed patrons who have helped us traverse the last 79 years, helped us grow from strength to strength.

Today, as we step into a most promising 80th year, we continue to work to re-vision and re-imagine the future of Sound Re-inforcement in India.

Many of the AHUJA Products have gone on to become industry icons and have inspired generations of audio enthusiasts worldwide.

This Catalogue gives you a peep into what is due to be launched in the next few months of 2019- we are sure you will find these very exciting.

Come JOIN US... as we rapidly advance towards 2020!

## Built Brick by Brick...



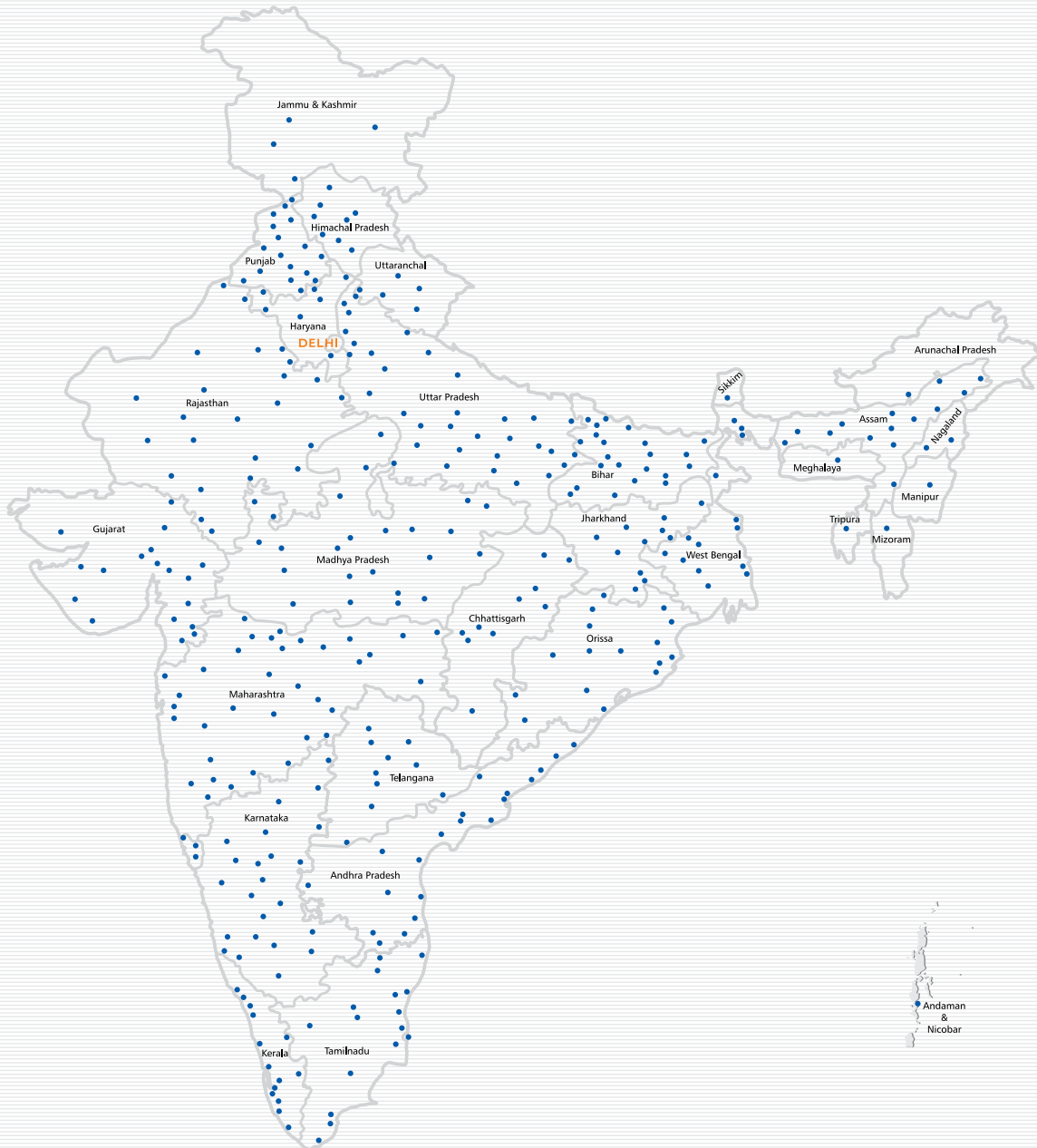
From a modest beginning way back in 1940, AHUJA products today are manufactured in modern, well-equipped factories in Delhi and Noida. A large strength of engineers, technicians and skilled workers are involved in the manufacture of AHUJA PA Systems & Equipment. Today, AHUJA makes the widest range of PA products to meet every conceivable PA application requirement.

## RESEARCH & DEVELOPMENT

The AHUJA Research and Development Centre is recognised by the Government of India and takes pride in developing products known to perform with absolute reliability even in the most extreme operating & climatic conditions.

## COUNTRY WIDE SALES NETWORK AND WORLD WIDE EXPORTS

In India AHUJA products are sold through a network of over 500 retailers. AHUJA products are the preferred choice of discerning users in over 50 Countries in 5 Continents.



## AHUJA PRODUCTS ARE EXPORTED AND SOLD IN OVER 50 COUNTRIES

- Asia: Afghanistan | Bangladesh | Bhutan | Myanmar | Nepal | Singapore | Sri Lanka | Thailand
- Middle East: Bahrain | Iraq | Jordan | Kuwait | Lebanon | Oman | Qatar | Saudi Arabia | Syria | U.A.E. | Yemen
- Europe: France | Germany | Italy | Norway | Poland | Spain | U.K.
- Africa: Algeria | Djibouti | Egypt | Ethiopia | Ghana | Kenya | Libya | Malawi | Mauritius | Morocco | Mozambique | Nigeria | Rwanda | Senegal | Somalia | South Africa | South Sudan | Sudan | Tanzania | Tunisia | Uganda | Zambia
- Oceania: Australia | Fiji
- Americas: Trinidad





# AHUJA'S PIONEERING EFFORTS

## EXCELLENCE IN ELECTRONICS & IT



Mr. Vikram Ahuja, Vice President, Ahuja Radios, receiving the Award from the then Minister for Information Technology, in recognition of Excellence in Electronics & IT, for the year 2007-2008.

## NATIONAL QUALITY AWARD



Mr. Sandeep Ahuja, Sr. Vice President, Ahuja Radios, receiving the National Quality Award in October 2006 from Sh. Pranab Mukherjee, the then Defence Minister.

## AWARD FOR HIGHEST EXPORT



Mr. A.N. Ahuja, Founder President, Ahuja Radios, receiving the Award in February 2005 from Sh. Dayanidhi Maran, the then Union Minister for Information Technology, in recognition of Highest Exports in Consumer Electronics in SSI Sector.

## AWARD FOR LIFETIME ACHIEVEMENT



Mr. A.N. Ahuja, Founder President, Ahuja Radios, receiving the Lifetime Achievement Award from Sh. Balram Jakhar, Ex-Speaker, Lok Sabha, in 2004.

## AWARD FOR HIGHEST EXPORT



Mr. A.N. Ahuja, Founder President, Ahuja Radios, New Delhi, receiving the Award from Sh. Arun Shourie, the then Minister of Communication and Information Technology in recognition of Highest Export, in 2002.

## AWARD FOR HIGHEST EXPORT



Mr. N.S. Ahuja, Partner, Prosound Products receiving the Award from Sh. Arun Shourie, the then Minister of Communication and Information Technology in recognition of Highest Export, in 2001.

## AWARD FOR EXCELLENCE IN ELECTRONICS



Mr. N.S. Ahuja, President, Ahuja Radios, receiving the Award from Sh. Pramod Mahajan, the then Minister for Information Technology in recognition of Excellence in Electronics, for 1999-2000.

## AWARD FOR EXCELLENCE IN EXPORT



Mr. Sandeep Ahuja, Sr. Vice President, Ahuja Radios, receiving the Award for Excellence in Exports. The Prestigious Award from the Computer & Software Export Promotion Council was presented by Sh. Pramod Mahajan, the then Minister for Information Technology, for 1999-2000.

## AWARD FOR EXCELLENCE IN EXPORT



Mr. Arjun Ahuja, Vice President, Ahuja Radios, receiving the Award from Sh. Pramod Mahajan, the then Minister for Information Technology, for 1998-1999.

## AWARD FOR HIGHEST EXPORT



Mr. A.N. Ahuja, Founder President, Ahuja Group, receiving Award from the then Prime Minister, Sh. Atal Behari Vajpayee, for Highest Export in Consumer Electronics, for 1997-1998.

## AWARD FOR EXCELLENCE IN EXPORT



Mr. Vikram Ahuja, Vice President, Ahuja Radios, receiving Award from the then Prime Minister, Sh. Atal Behari Vajpayee, for Excellence in Export in Consumer Electronics, in 1997.

## AWARD FOR EXPORT PERFORMANCE



Mr. Pradeep Ahuja, Partner, Prosound Products, Mumbai receiving Award from the then Minister for External Affairs, Sh. Pranab Mukherjee, for Outstanding Export Performance, in 1995-1996.

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# Conference Systems

User friendly, feature laden & simple to install!

Attractive appearance & impeccable

speech clarity!

The AHUJA conference systems provide

an easy and much needed

sound reinforcement solution

for all meetings & conventions.



Auditoriums | Board Rooms

Seminar Halls

Conference Halls

# Wireless Conference Systems

## CWS-8000 Series



AHUJA Wireless Conference System features modern & robust design, intelligent control and accessibility. It uses 2.4GHz digital communication technology with strong anti-interference features.

Secure and reliable wireless design for convenient installation. It features digital signal management and accurate information exchange. CWS-Series Wireless Conference System is ideal for various types of Corporate, Educational and Hotel Conference Rooms. The system can be installed with minimal wiring, thus not affecting the decor of the room.

- 2.4 GHz ADFHSS technology features high confidentiality and mitigates interference. The long operating range up to 40m can be increased using CSA-20.
- The conference system consists of one host unit, one chairman unit and delegate units (up to 254 nos).
- Enables 4 transmitters to speak simultaneously without mutual interference.
- Optional FREE or REQUEST speech mode of delegate units controlled by the chairman unit.
- Intelligent power management system features battery power saving (All units turn off automatically when the host unit is turned off).
- Built-in high performance frequency shifter effectively reduces howling and enhances the sound pick up effect.
- All units have LCD display. Battery status is shown on the Chairman and Delegate Unit displays.
- Host unit features balanced and unbalanced audio output for convenient connection with audio amplifier.
- Use with separate Ahuja Amplifier and Speakers.



## CWS-8100C CHAIRMAN UNIT

- FREE / REQUEST Mode Selection.
- Priority Function to override all Delegates units.
- LCD Displays the Working Status and battery charge.
- Microphone Indicator Ring LED.
- Features Anti-Interference Technology.
- Power Supply: 2 pcs., AA, Alkaline Batteries.

## CWS-8200D DELEGATE UNIT

- Power/TALK Button.
- LCD Displays the Delegate Unit number.
- Microphone Indicator Ring LED.
- Features Anti-Interference Technology.
- Power Supply: 2 pcs., AA, Alkaline Batteries.

## CWS-8300R HOST UNIT

- Carrier Frequency 2.4GHz (2400-2483MHz) Adaptive Digital FHSS Technology.
- Operating Range upto 40 meters and can be increased using CSA-20.
- Frequency Response 70-15,000Hz.
- Power Supply: 12V DC from AC Adapter.
- Host unit should be used together CWS-8100C Chairman Unit, CWS-8200D Delegate Unit and GN -45 Gooseneck Microphone.

## GN-45 GOOSENECK MICROPHONE

- Used with Chairman Unit CWS-8100C and Delegate Unit CWS-8200D. Easy to connect.
- 450mm (17<sup>3</sup>/<sub>4</sub>" ) Gooseneck Microphone GN-45 is supplied as a separate unit.

## CSA-20 ANTENNA

Special high gain wall mounting antenna CSA-20 is supplied and sold separately. Mount it on a suitable microphone stand or hang it on a wall. The antenna should be at a suitable height, and facing the Chairman Unit/Delegate Units will help. This antenna is to be fixed to socket on the rear panel of the host unit in place of the standard antenna supplied.



### SPECIFICATIONS

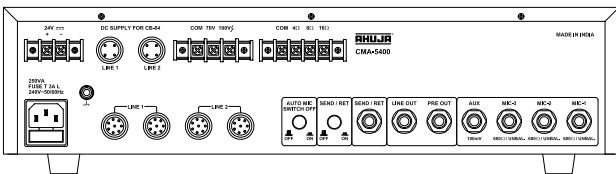
CARRIER FREQUENCY	: 2.4GHz (2400-2483MHz) Adaptive Digital FHSS Technology
OPERATING RANGE	: 25-50m (Indoors)
FREQUENCY RESPONSE	: 70 - 15,000Hz
POWER SUPPLY	: Chairman & Delegate Unit : 2 × AA Alkaline batteries, Host Unit : DC: 12V / 1A AC adapter
DIMENSIONS	: Host Unit : W210 × H55 × D185 mm, Chairman : W205 × H65 × D145 mm, Delegate : W170 × H60 × D120 mm, Gooseneck Microphone Length : 450 mm, Antenna : W190 × H230 × D18 mm
WEIGHT	: Host Unit : 1.30kg, Chairman Unit : 830g, Delegate Unit : 560g, Gooseneck Microphone : 130g, Antenna : 380g



# Conference Systems

## CM-5000 Series

50 WATTS ■ AC & 24V DC Operation



### CMA-5400 CENTRAL AMPLIFIER



The new Ahuja Conference System CM-5000 facilitates smooth conduct of meetings by providing required level of intelligible sound reinforcement. The system is designed to handle a wide variety of conference applications in Boardrooms, Large Conference Halls as well as open conferencing in Convention Centres.

- Highly sensitive 470mm (18.5") long gooseneck microphone for comfortable sharing by two delegates.
- Bright and uniform band LED indicator.
- Chairman/Delegate Units have attractive and well contoured plastic top for superior appearance.
- Rugged and compact die cast metal base for better stability of Chairman/Delegate Units.
- Adjustable headphone output available from each Chairman/Delegate Unit.
- Automatic Mic Off feature in Delegate units which is selectable through a switch in the Central Amplifier.
- Chairman Unit has Priority Switch.
- Central Amplifier has a digital recorder for recording the proceedings. Also it can playback the pre-recorded messages.
- Switchable send/return facility in Central Amplifier.
- Three Mic inputs and one Aux input in central amplifier.
- 50W PA Amplifier for adequate sound reinforcement.
- Headphone output provided in Central Amplifier for monitoring purposes.
- AC Mains & 24V DC operation.
- Central Amplifier is 19" rack mountable.
- Central Amplifier has the facility of feeding two independent groups of Delegate Units if required in large conference setups.
- Conference System can be installed in a bus bar arrangement by using Junction Boxes CB-45.





**CMD-5200**  
DELEGATE UNIT

Each unit is provided with a 470mm (18.5") long gooseneck condenser microphone which is highly sensitive and unidirectional. The microphone is provided with a diffused LED housing to provide positive visual identification of the unit in operation. The built-in speaker in each unit provides clear and crisp sound reinforcement. The output level of the speaker can be adjusted through a recessed volume control in the unit. Each unit has a headphone output, TALK switch and a TALK LED. The MIC LEVEL LED in the delegate unit flickers to indicate microphone input signal level.



**CMC-5100**  
CHAIRMAN UNIT

Apart from delegate unit functions, the chairman unit has a TALK switch with LED. It also has a PRIORITY switch with LED. When priority switch is pressed, a chime tone is generated to seek attention and mute the active delegate microphones.

SPECIFICATIONS	CMA-5400
Line Output 1	17.5V DC/3A Max.; -34dBV (20mV)
Line Output 2	17.5V DC/3A Max.; -34dBV (20mV)
Power Output	50W RMS at 2% THD, 90W Max.
Inputs	3×Mic 0.65mV/4.7kΩ 1×Aux 100mV/470kΩ
Frequency Response	60-14,000Hz (± 3dB)
S/N Ratio	> 60dB
Tone Controls	Bass: -10dB at 100Hz Treble: -10dB at 10kHz
Preamp Output	200mV/600Ω
Line Output	1V/1kΩ
Send Output	200mV/600Ω
Return Input	200mV/10kΩ
Speaker Output	4Ω, 8Ω, 16Ω, 70V & 100V
Power Requirement	AC: 220-240V, 50/60Hz DC: 24V (2×12V Car Battery)
Power Consumption	250VA
Protections	AC Fuse 1×3 Amp, DC Fuse 3×10 Amp
Dimensions	W483 × H110 × D325 mm
Weight	10.50kg
Accessories	1× Connection Cable CC-46 1× Extension Cable CC-47 1× Fuse 3 Amp, 2 × Fuse 10 Amp.

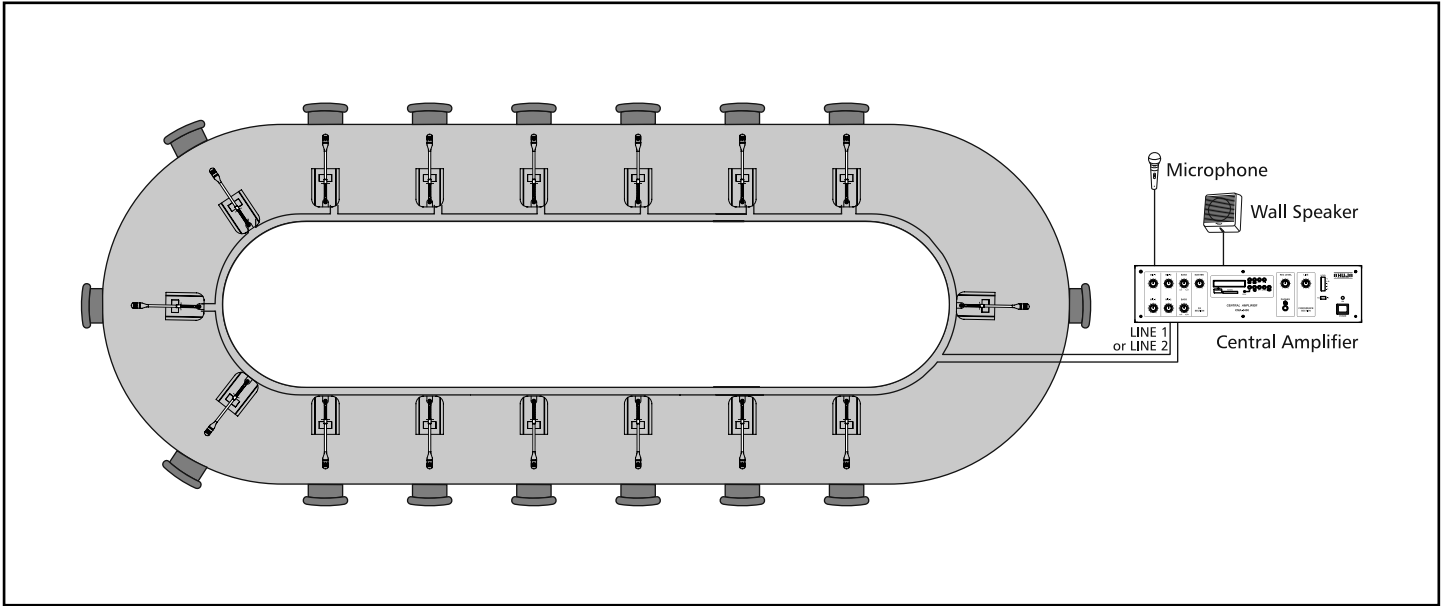
SPECIFICATIONS	CMC-5100	CMD-5200
Microphone	-63dBV/μbar (7.5mV/Pa)	-63dBV/μbar (7.5mV/Pa)
Current Consumption	< 50mA Max.	< 50mA Max.
Mic Auto Switch-Off Time	—	75 seconds approx.
Input	Line	Line
Output	Line, Headphone	Line, Headphone
Speaker	Max Input 300mW	Max Input 300mW
Controls	Priority Switch, Talk Switch, Speaker Volume Control, Headphone Volume Control	Talk Switch, Speaker Volume Control, Headphone Volume Control
Dimensions	W118 × H70 × D160 mm	W118 × H70 × D160 mm
Weight	1.05 kg (w/o cable)	1.05 kg (w/o cable)
Accessories	Foam Windshield, 2.5m Interconnecting Cable	Foam Windshield, 2.5m Interconnecting Cable

SYSTEM CONFIGURATION	
Central Amplifier	CMA-5400 1 Unit
Chairman Unit	CMC-5100 1 Unit
Delegate Unit	CMD-5200 N Units (N ≤ 50)

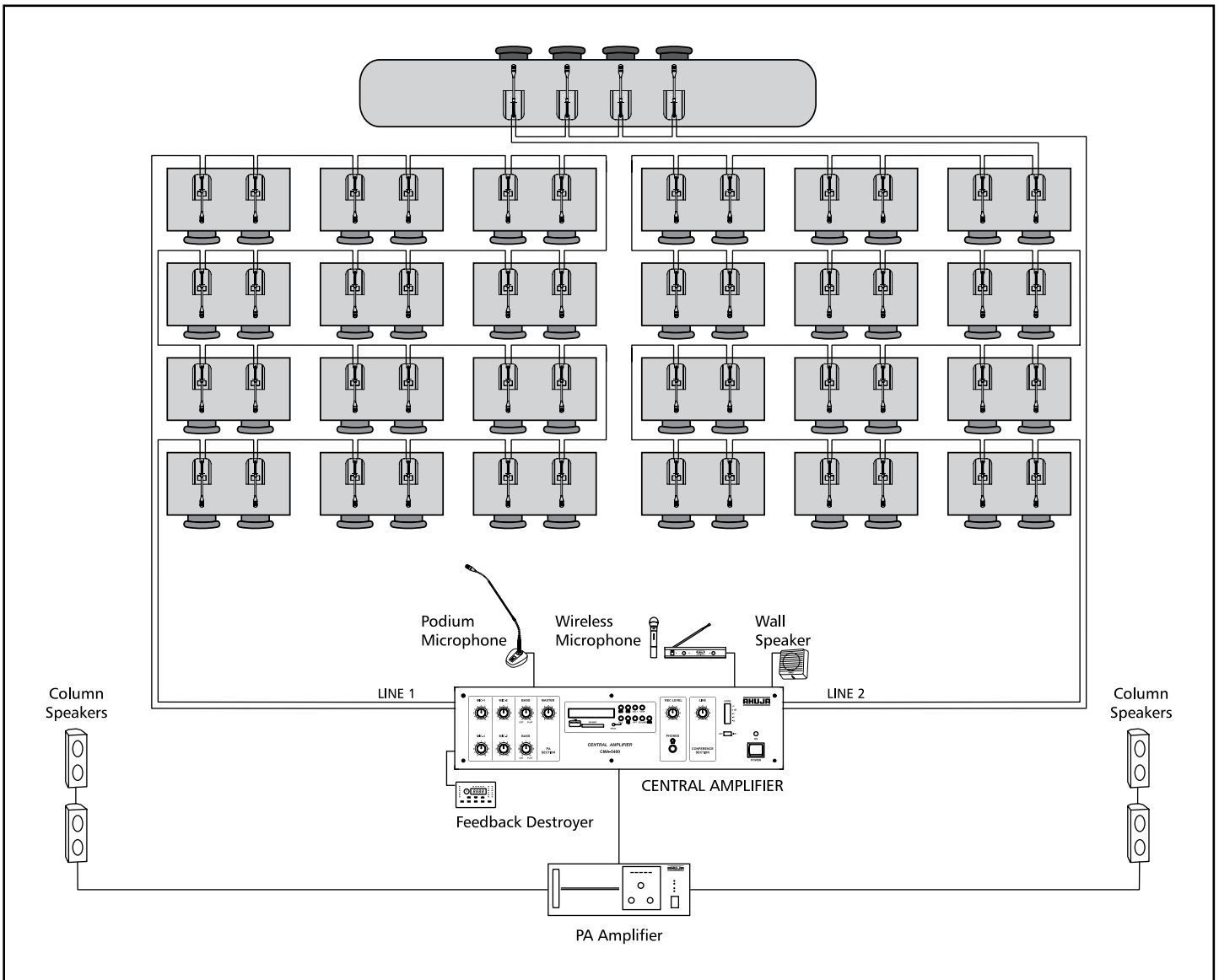


## TYPICAL APPLICATIONS

### Boardrooms

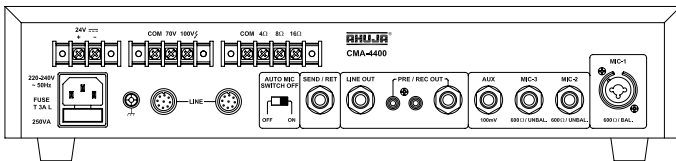


### Convention Centres





## CM-4000 Series 50 WATTS ■ AC & 24V DC Operation



**CMA-4400**  
CENTRAL AMPLIFIER



The Ahuja CM-4000 Conference System provides the much required sound reinforcement at meetings while eliminating problems of poor intelligibility and acoustic feedback. The system is ideal for use in a variety of applications in Boardrooms, Large Conference Halls as well as open conferencing in Convention Centres.

- Highly sensitive 400mm (16") long gooseneck microphone for comfortable sharing by two delegates.
- Bright and clear ring LED indicator.
- Compact and attractive die cast aluminium cabinet in a unique profile.
- Headphone output available from each unit.
- Automatic Mic Off feature in Delegate units.
- Unique Send/Return facility through a stereo jack in Central Amplifier CMA-4400.
- Chairman Unit has Priority Switch.
- Record & playback the messages with the Secretary Unit.
- AC Mains & 24V DC operation.
- Central Amplifier is 19" rack mountable.
- Three Mic inputs and one Aux input for various user applications.
- 50W PA Amplifier for adequate sound reinforcement.
- System expansion possible through Conference Expansion Unit CMB-4500.
- Conference System can be installed in a bus bar arrangement by using Junction Boxes CB-45.

## CMB-4500 CONFERENCE EXPANSION UNIT



An additional unit for adding more delegate units to the system. This unit also provides interconnection with the Central Amplifier CMA-4400. Works on 220-240V AC mains as well as 24V car battery.





**CMC-4100**  
CHAIRMAN UNIT

The CMC-4100 Chairman and CMD-4200 Delegate Units have built-in loudspeakers and high quality sensitive electret condenser transducer mounted on 400mm (16") flexible goosenecks. The microphones of the units are equipped with a Ring LED indicator for easy visual identification of the unit in operation. Each unit has a headphone output with volume control.



**CMD-4200**  
DELEGATE UNIT

The stylish, free-standing cast aluminium case has an angled fascia incorporating the TALK switch which automatically mutes the internal speaker.

The Chairman Unit also has a non-lockable PRIORITY switch which interrupts the meeting with a chime tone and mutes the delegates' microphones. Both units have recessed volume controls for setting desired sound levels.



**CMS-4300**  
SECRETARY UNIT

The matching CMS-4300 Secretary Unit has a built-in loudspeaker and a headphone output with volume control. The Secretary Unit enables proceedings to be recorded through a cassette recorder, for a stenographer present to take notes and to relay pre-recorded messages or music to delegates.

SPECIFICATIONS	CMA-4400	SPECIFICATIONS	CMC-4100	CMD-4200	CMS-4300
Line Output	17.5V DC/3A Max.; -34dBV (20mV)	Microphone	-63dBV/μbar (7.5mV/Pa)	-63dBV/μbar (7.5mV/Pa)	—
Power Output	50W RMS at 2% THD, 90W Max.	Current Consumption	< 50mA Max.	< 50mA Max.	< 50mA Max.
Inputs	1×Mic 1.0mV/2kΩ (Balanced) 2×Mic 0.65mV/4.7kΩ (Unbalanced) 1×Aux 100mV/470kΩ (Unbalanced)	Mic Auto Switch-Off Time	—	75 seconds approx.	—
Frequency Response	60-14,000Hz (± 3dB)	Input	Line	Line	Line, Playback
S/N Ratio	> 60dB	Output	Line, Headphone	Line, Headphone	Line, Record, Headphone
Tone Controls	Bass: -10dB at 100Hz Treble: -10dB at 10kHz	Speaker	Max Input 300mW Impedance 16Ω	Max Input 300mW Impedance 16Ω	Max Input 300mW Impedance 16Ω
Preamp / Rec Output	200mV/600Ω	Controls	Priority Switch, Talk Switch, Speaker	Talk Switch, Speaker Volume Control,	Monitor Speaker Volume Control,
Line Output	1V/1kΩ		Volume Control,	Headphone	Headphone
Send Output	200mV/600Ω		Headphone Volume	Volume Control	Volume Control
Return Input	200mV/10kΩ		Control		
Speaker Output	4Ω, 8Ω, 16Ω, 70V & 100V	Dimensions (in mm)	W145×H75×D180	W145×H75×D180	W145×H75×D180
Power Requirement	AC: 220-240V, 50/60Hz DC: 24V (2×12V Car Battery)	Weight	1.30kg (w/o cable)	1.30kg (w/o cable)	1.15kg (w/o cable)
Power Consumption	250VA	Accessories	Foam Windshield, 2.5m Interconnecting Cable	Foam Windshield, 2.5m Interconnecting Cable	4 Pin Plug for REC/PB, 2.5m Interconnecting Cable
Protections	AC Fuse 1×3 Amp, DC Fuse 2×10 Amp				
Dimensions	W482 × H88 × D295 mm				
Weight	8.70kg				
Accessories	1 × Connection Cable CC-46 1 × Extension Cable CC-47 1 × Fuse 3 Amp, 1 × Fuse 10 Amp.				
		<b>SYSTEM CONFIGURATION</b>			
		Chairman Unit	CMC-4100 1 Unit	Delegate Unit	CMD-4200 N Units (N ≤ 50)
		Secretary Unit	CMS-4300 1 Unit	Central Amplifier	CMA-4400 1 Unit

# Amplifiers

World renowned, time-tested, rugged and reliable amplifiers: sterling quality without compromise!

Passed down from generation to generation... users & installers alike testify to the reliability of AHUJA amplifiers!

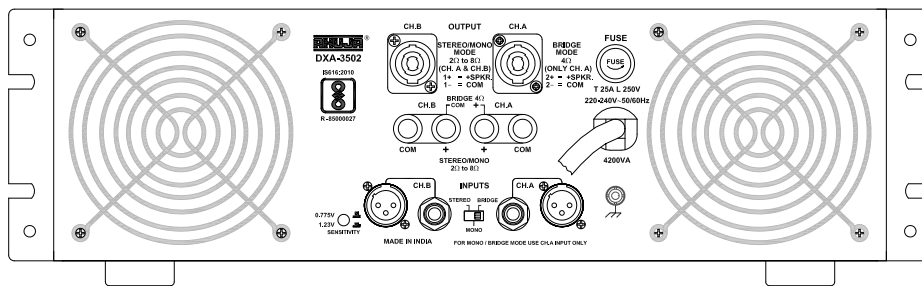


Airports | Conventions | DJs | Stadiums  
Electioneering | Fairs & Exhibitions  
Defence Installations | Bus Terminals  
Announcements & Music | Mobile PA  
Schools & Colleges | Places of Worship

# Dual Channel Power Amplifiers

## DXA-3502

1750+1750 WATTS ■ AC Operation



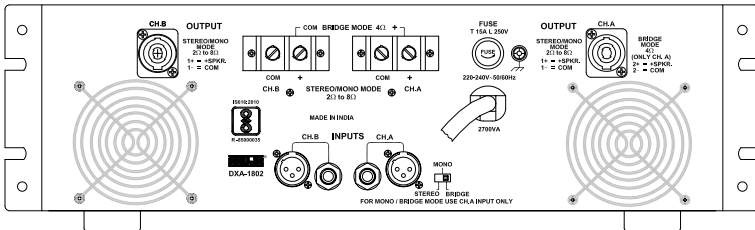
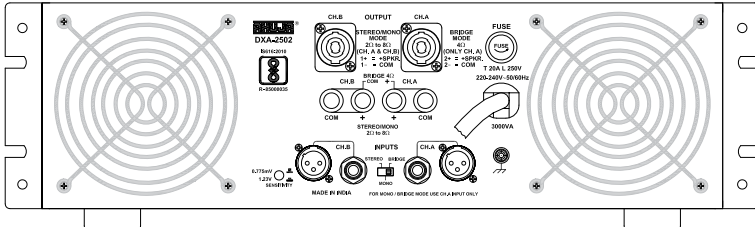
DXA-3502 is a rugged and most reliable dual channel amplifier. It sets a new benchmark for professionals requiring a sonically superior, high power amplifier. It has been designed to operate under stringent working conditions such as wide voltage fluctuations due to gensets/AC mains and high ambient temperatures. Adequate safeguards have been built-in to counter adverse working conditions. Ease of operation, combined with service accessibility has been optimized in the design.

Class H operation for optimum efficiency.

### SPECIFICATIONS

<b>CONTINUOUS RATED POWER</b>	
STEREO/MONO	8 Ω : 700W + 700W RMS, 4 Ω : 1200W + 1200W RMS
	2 Ω : 1750W + 1750W RMS
BRIDGED OUTPUT	8 Ω : 2400W RMS, 4 Ω : 3500W RMS
SINGLE CHANNEL DRIVEN OUTPUT	8 Ω : 750W RMS, 4 Ω : 1350W RMS, 2 Ω : 1900W RMS
THD + N	0.5%
FREQUENCY RESPONSE (-1dB)	20-20,000Hz
POWER BANDWIDTH (0.5% THD)	20-20,000Hz
INPUT SENSITIVITY	0dBu (775mV) & 4dBu (1.23V) (Selectable)
INPUT IMPEDANCE	10k Unbalanced , 20k Balanced
SIGNAL TO NOISE RATIO	95dB
CHANNEL SEPARATION	65dB at 1kHz
DAMPING FACTOR	400 : 1 (8 Ω)
SLEW RATE	35V/μs
PROTECTIONS	Temperature, DC, RFI, Short Circuit, Overload, AC over voltage, Built-in limiter
	AC: Fuse 25A (T 25A L), ± DC: Fuse 2×25Amp (T 25A L) each channel & Fuses 2×3A (T 3A L)
INPUT CONNECTORS	2 × XLR, Stereo Phone Jack 6.3mm
OUTPUT CONNECTORS	Speakon 4-Way, Heavy Duty Binding Post for each channel
COOLING	Variable Speed DC Fan with Temperature Sensing
FRONT PANEL CONTROLS	2× 41 Step Level Attenuators
INDICATORS	ON, Signal, Clip, Temperature, Protect (Ch. A & B)
POWER CONSUMPTION	4200VA @ 220-240V ~ 50/60Hz
DIMENSIONS	W482 × H153 × D580mm
WEIGHT	37.50kg





## DXA-2502

1250+1250 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 2500 Watts rated output.
- Rugged and most reliable. A new benchmark for professionals requiring a sonically superior high power amplifier.
- Class H operation for optimum efficiency.

## DXA-1802

900+900 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 1800 Watts rated output.
- Rugged & reliable. Designed to work continuously under stringent operating conditions
- High fidelity sound. Ideal for high-end music programmes.

### SPECIFICATIONS

#### DXA-2502

#### DXA-1802

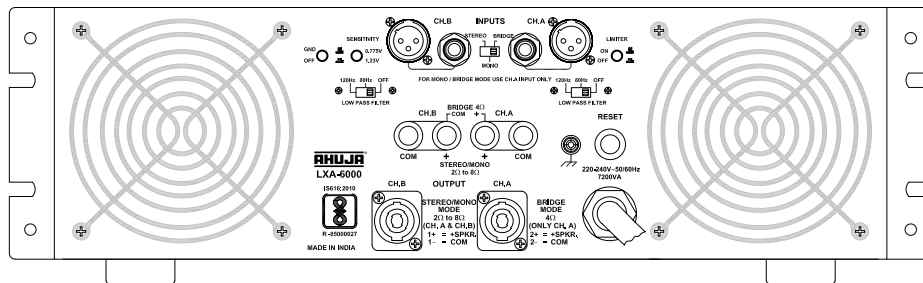
	DXA-2502	DXA-1802
<b>CONTINUOUS RATED POWER</b>		
STEREO/MONO	8 Ω : 600W + 600W RMS, 4 Ω : 900W + 900W RMS 2 Ω : 1250W + 1250W RMS	8 Ω : 370W + 370W RMS, 4 Ω : 650W + 650W RMS 2 Ω : 900W + 900W RMS
BRIDGED OUTPUT	8 Ω : 1800W RMS, 4 Ω : 2500W RMS	8 Ω : 1300W RMS, 4 Ω : 1800W RMS
SINGLE CHANNEL DRIVEN OUTPUT	8 Ω : 700W RMS, 4 Ω : 1000W RMS, 2 Ω : 1350W RMS	8 Ω : 385W RMS, 4 Ω : 720W RMS, 2 Ω : 1100W RMS
THD + N	0.5%	0.5%
FREQUENCY RESPONSE (-1dB)	20-20,000Hz	20-20,000Hz
POWER BANDWIDTH (0.5% THD)	20-20,000Hz	20-20,000Hz
INPUT SENSITIVITY	0dBu (775mV) & 4dBu (1.23V) (Selectable)	0dBu (775mV)
INPUT IMPEDANCE	10k Unbalanced, 20k Balanced	10k Unbalanced, 20k Balanced
SIGNAL TO NOISE RATIO	95dB	95dB
CHANNEL SEPARATION	65dB at 1kHz	65dB at 1kHz
DAMPING FACTOR	400 : 1 (8 Ω)	400 : 1 (8 Ω)
SLEW RATE	35V/μs	35V/μs
PROTECTIONS	Temperature, DC, RFI, Short Circuit, Overload, AC over voltage, Built-in limiter, AC: Fuse 20A (T 20A L), ± DC: Fuse 2 × 20Amp (T 20A L) each channel & Fuses 2 × 3A (T 3A L)	Temperature, DC, RFI, Short Circuit, Overload, AC over voltage, Built-in limiter, AC: Fuse 15A (T 15A L), ± DC: Fuse 2 × 15Amp (T 15A L) each channel & Fuses 2 × 3A (T 3A L)
INPUT CONNECTORS	2 × XLR, Stereo Phone Jack 6.3mm	2 × XLR, Stereo Phone Jack 6.3mm
OUTPUT CONNECTORS	Speakon 4-Way, Heavy Duty Binding Post for each channel	Speakon 4-Way, Heavy Duty Screw Terminals for each channel
COOLING	Variable Speed DC Fan with Temperature Sensing	Variable Speed DC Fan with Temperature Sensing
FRONT PANEL CONTROLS	2 × 41 Step Level Attenuators	2 × 21 Step Level Attenuators
INDICATORS	ON, Signal, Clip, Temperature, Protect (Ch. A & B)	ON, Mode (Stereo, Mono, Bridge) Signal levels, Clip, Temperatures, Fault, Overload (Ch. A & B)
POWER CONSUMPTION	3000VA @ 220-240V ~ 50/60Hz	2700VA @ 220-240V ~ 50/60Hz
DIMENSIONS	W482 × H153 × D555mm	W482 × H153 × D500mm
WEIGHT	32.70kg	27.00kg



# Dual Channel Power Amplifiers

## LXA-6000

3000+3000 WATTS ■ AC Operation



- Dual channel direct coupled amplifier.
- 6000 Watts rated output.
- Rugged and most reliable. A new benchmark for professionals requiring a sonically superior high power amplifier.
- 80Hz / 120Hz LPF.
- Built-in circuit for HF protection.
- Limiter ON/OFF.
- Two selectable input sensitivities.
- Class H operation for optimum efficiency.

### SPECIFICATIONS

#### CONTINUOUS RATED POWER

STEREO/MONO 8Ω : 1300W + 1300W RMS, 4Ω : 2000W + 2000W RMS  
2Ω : 3000W + 3000W RMS

BRIDGED OUTPUT 8Ω : 4000W RMS, 4Ω : 6000W RMS

THD + N < 1.0%

FREQUENCY RESPONSE (-1dB) 20-20,000Hz

LOW PASS FILTER 80/120Hz @ 24dB per octave

POWER BANDWIDTH (0.5% THD) 20-20,000Hz

INPUT SENSITIVITY 0dBu (775mV) & 4dBu (1.23V) (Selectable)

INPUT IMPEDANCE 10K Unbalanced, 20K Balanced

SIGNAL TO NOISE RATIO > 95dB

CHANNEL SEPARATION > 65dB AT 1kHz

DAMPING FACTOR 400 : 1 (8Ω)

SLEW RATE 35V/μS

PROTECTIONS Temperature, DC, RFI, Short Circuit, Overload, Built-in Limiter (ON/OFF) AC: Circuit Protector 25A;  
± DC: Fuse 2 X 30Amp. (T 30A L) for each zone, Fuse 2×3 Amp. (T 3A L)

INPUT CONNECTORS 2 × XLR, Stereo Phone Jack 6.3mm

OUTPUT CONNECTORS Speakon 4-Way and heavy duty Binding Post for each channel

COOLING Variable Speed DC Fan with Temperature Sensing

FRONT PANEL CONTROLS 2 × 41 Step Level Attenuators

INDICATORS Power ON, Signal, Clip, Temperature, Protect (Ch. A & B)

POWER CONSUMPTION (RATED) 7200VA @ 220-240V ~ 50/60Hz

DIMENSIONS W482 × H153 × D605mm

WEIGHT 39.00kg



## LXA-4500

2250+2250 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 4500 Watts rated output.
- Rugged and most reliable. A new benchmark for professionals requiring a sonically superior high power amplifier.
- 80Hz / 120Hz LPF.
- Built-in circuit for HF protection.
- Limiter ON/OFF.
- Two selectable input sensitivities.
- Class H operation for optimum efficiency.



## LXA-3200

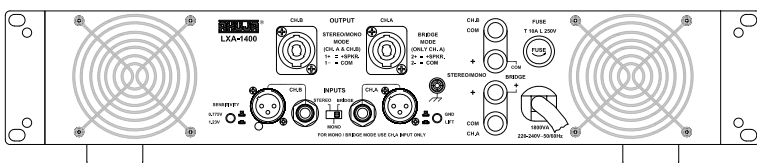
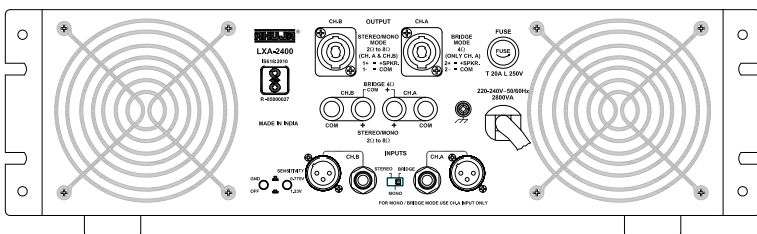
1600+1600 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 3200 Watts rated output.
- Rugged, reliable and designed to work continuously under stringent conditions
- High fidelity sound.
- Ideal for high end music programmes.
- Two selectable input sensitivities.
- Class H operation for optimum efficiency.

SPECIFICATIONS	LXA-4500	LXA-3200
CONTINUOUS RATED POWER		
STEREO/MONO	8 Ω : 1000W + 1000W RMS, 4 Ω : 1550W + 1550W RMS 2 Ω : 2250W + 2250W RMS	8 Ω : 700W + 700W RMS, 4 Ω : 1100W + 1100W RMS 2 Ω : 1600W + 1600W RMS
BRIDGED OUTPUT	8 Ω : 3100W RMS, 4 Ω : 4500W RMS	8 Ω : 2200W RMS, 4 Ω : 3200W RMS
THD + N	< 1.0%	< 1.0%
FREQUENCY RESPONSE (-1dB)	20-20,000Hz	20-20,000Hz
LOW PASS FILTER	80/120Hz @ 24dB per octave	—
POWER BANDWIDTH (0.5% THD)	20-20,000Hz	20-20,000Hz
INPUT SENSITIVITY	0dBu (775mV) & 4dBu (1.23V) (Selectable)	0dBu (775mV) & 4dBu (1.23V) (Selectable)
INPUT IMPEDANCE	10K Unbalanced, 20K Balanced	10K Unbalanced, 20K Balanced
SIGNAL TO NOISE RATIO	> 95dB	> 95dB
CHANNEL SEPARATION	> 65dB AT 1kHz	> 65dB AT 1kHz
DAMPING FACTOR	400 : 1 (8Ω)	400 : 1 (8Ω)
SLEW RATE	35V/μS	35V/μS
PROTECTIONS	Temperature, DC, RFI, Short Circuit, Overload, Built-in Limiter (ON/OFF) AC: Circuit Protector 20A; ± DC: Fuse 2 X 25Amp. (T 25A L) for each zone, Fuse 2×3 Amp. (T 3A L)	Temperature, DC, RFI, Short Circuit, Overload, Built-in Limiter AC: Fuse 25Amp. (T 25A L); ± DC: Fuse 2 X 25Amp. (T 25A L) for each channel, Fuse 2×3 Amp. (T 3A L)
INPUT CONNECTORS	2 × XLR, Stereo Phone Jack 6.3mm	2 × XLR, Stereo Phone Jack 6.3mm
OUTPUT CONNECTORS	Speakon 4-Way and heavy duty Binding Post for each channel	Speakon 4-Way and heavy duty Binding Post for each channel
COOLING	Variable Speed DC Fan with Temperature Sensing	Variable Speed DC Fan with Temperature Sensing
FRONT PANEL CONTROLS	2 × 41 Step Level Attenuators	2 × 41 Step Level Attenuators
INDICATORS	Power ON, Signal, Clip, Temperature, Protect (Ch. A & B)	Power ON, Signal, Clip, Temperature, Protect (Ch. A & B)
POWER CONSUMPTION (RATED)	5400VA @ 220-240V ~ 50/60Hz	3800VA @ 220-240V ~ 50/60Hz
DIMENSIONS	W482 × H153 × D580mm	W482 × H153 × D550mm
WEIGHT	36.50kg	33.00kg



# Dual Channel Power Amplifiers



## LXA-2400

1200+1200 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 2400 Watts rated output.
- Rugged and most reliable. A new benchmark for professionals requiring a sonically superior high power amplifier.
- Two selectable input sensitivities.
- Class H operation for optimum efficiency.

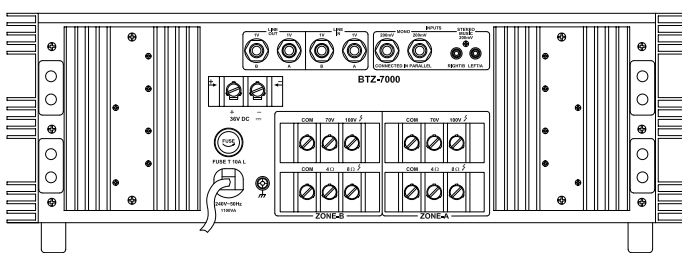
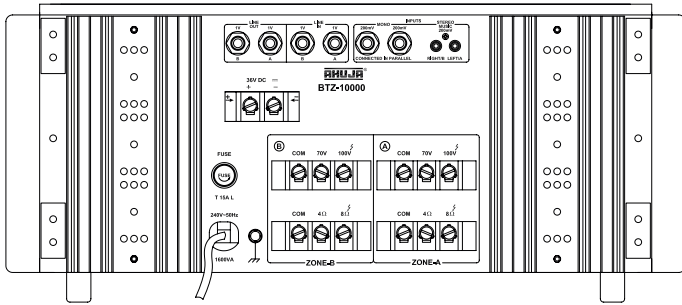
## LXA-1400

675+675 WATTS ■ AC Operation

- Dual channel direct coupled amplifier.
- 1350 Watts rated output.
- Rugged, reliable and designed to work continuously under stringent conditions
- High fidelity sound.
- Two selectable input sensitivities.
- Ideal for high end music programmes.

SPECIFICATIONS	LXA-2400	LXA-1400
CONTINUOUS RATED POWER		
STEREO/MONO	8 Ω : 600W + 600W RMS, 4 Ω : 850W + 850W RMS 2 Ω : 1200W + 1200W RMS	8 Ω : 250W + 250W RMS, 4 Ω : 475W + 475W RMS 2 Ω : 675W + 675W RMS
BRIDGED OUTPUT	8 Ω : 1700W RMS, 4 Ω : 2400W RMS	8 Ω : 950W RMS, 4 Ω : 1350W RMS
THD + N	< 1.0%	< 1.0%
FREQUENCY RESPONSE (-1DB)	20-20,000Hz	20-20,000Hz
POWER BANDWIDTH (0.5% THD)	20-20,000Hz	20-20,000Hz
INPUT SENSITIVITY	0dBu (775mV) & 4dBu (1.23V) (Selectable)	0dBu (775mV) & 4dBu (1.23V) (Selectable)
INPUT IMPEDANCE	10K Unbalanced, 20K Balanced	10K Unbalanced, 20K Balanced
SIGNAL TO NOISE RATIO	> 95dB	> 95dB
CHANNEL SEPARATION	> 65dB at 1kHz	> 65dB at 1kHz
DAMPING FACTOR	400 : 1 (8Ω )	400 : 1 (8Ω )
SLEW RATE	35V/μS	35V/μS
PROTECTIONS	Temperature, DC, RFI, Short Circuit, Overload, Built-in Limiter AC: Fuse 20Amp. (T 20A L); ± DC: Fuse 2 X 20Amp. (T 20A L) for each channel, Fuse 2X3 Amp. (T 3A L)	Temperature, DC, RFI, Short Circuit, Overload, Built-in Limiter, AC: Fuse 10Amp. (T 10A L); ± DC: Fuse 2 x 10 Amp. (T 10A L) for each channel, ± DC: Fuse 2 x 2 Amp. (for Fan Supply)
INPUT CONNECTORS	2 × XLR, Stereo Phone Jack 6.3mm	2 × XLR, Stereo Phone Jack 6.3mm
OUTPUT CONNECTORS	Speakon 4-Way and heavy duty of Binding Post for each channel	Speakon 4-Way, Heavy duty Binding Post for each channel
COOLING	Variable Speed DC Fan with Temperature Sensing	Variable Speed DC Fan with Temperature Sensing
FRONT PANEL CONTROLS	2 × 41 step level Attenuators	2 × 21 Step Level Attenuators
INDICATORS	Power ON, Signal, Clip, Temperature, Protect (Ch. A & B)	Power ON, Signal, Clip, Temperature, Protect (Ch. A & B)
POWER CONSUMPTION (RATED)	2800VA @ 220-240V ~ 50/60Hz	1800VA @ 220-240V ~ 50/60Hz
DIMENSIONS	W482 × H153 × D550mm	W482 × H113 × D460 mm
WEIGHT	28.70kg	14.70kg





## BTZ-10000

1000 WATTS ■ AC & 36V DC Operation

- Stereo Music input for DJ programmes.
- Facilitates connection and operation of two groups of speakers simultaneously on 'Mono' mode. Ideal for Places of Worship.
- Line Input & Output on each zone for connecting to a Mixer and Booster Amplifier respectively.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units.
- Resettable circuit breaker for protection against overload and short circuit.
- Zone On/Off facility. Output levels of each Zone can be set independently to desired levels and the zones can be switched On/Off without disturbing the volume settings.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Bar Graph Signal Display.

## BTZ-7000

700 WATTS ■ AC & 36V DC Operation

- Stereo Music Operation for DJ programmes.
- Facilitates connection and operation of two separate groups of speakers simultaneously on 'Mono' mode. Ideal for places of worship.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units.
- Resettable circuit breaker for protection against overload and short circuit.
- Zone On/Off facility. Output levels of each Zone can be set independently to desired levels and the zones can be switched On/Off without disturbing the volume settings.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Bar Graph Signal Display.

### SPECIFICATIONS

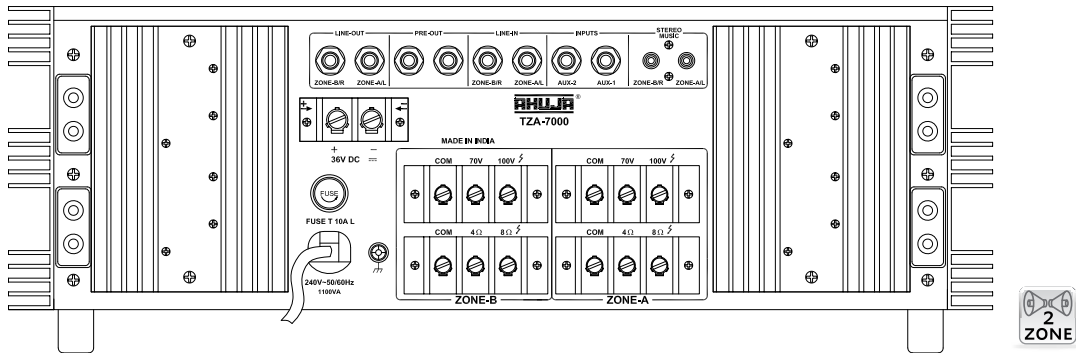
	BTZ-10000	BTZ-7000
POWER OUTPUT	750W + 750W Max., 500W + 500W RMS at 10% THD 450W + 450W RMS at 5% THD, 415W + 415W RMS at 2% THD	500W + 500W Max., 350W + 350W RMS at 10% THD 300W + 300W RMS at 5% THD, 280W + 280W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono 2 × 200mV/100kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ	Mono 2 × 200mV/100kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Line 1V/1kΩ	Line L/R 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V for each zone	4Ω, 8Ω, 70V & 100V for each zone
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)
POWER CONSUMPTION	AC: 1600VA DC: 16A	AC: 1100VA DC: 13A
DIMENSIONS	W510 × H220 × D440 mm	W510 × H185 × D470 mm
WEIGHT	40.00kg	39.00kg



# Two Zone PA Amplifiers

## TZA-7000

700 WATTS ■ AC & 36V DC Operation

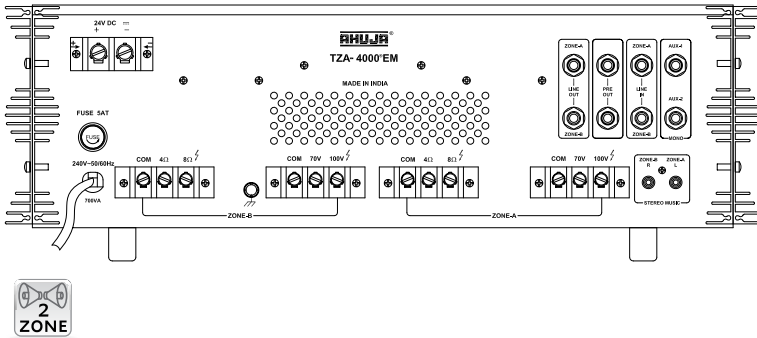


Ahuja model TZA-7000 is rugged, reliable, cost-effective 700 watts Two Zone Amplifier. TZA-7000 is ideal for multi-speaker installations where a user needs to separately set power levels for two separate areas such as indoors & outdoors.

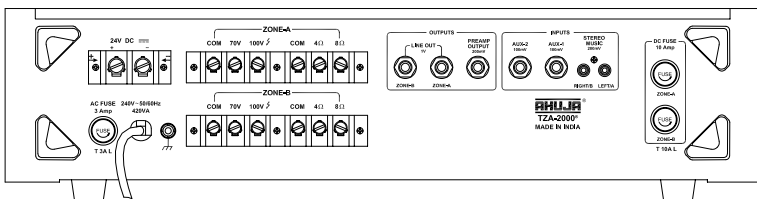
- 6 Mic & 2 Aux Inputs.
- Stereo Music Operation for DJ programmes.
- Facilitates connection and operation of two separate groups of speakers simultaneously on 'Mono' mode. Ideal for Places of Worship.
- Line Input & Output on each zone for connecting to a Mixer and Booster Amplifier respectively. Pre-amplifier output for recording.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units. Zone On/Off facility.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Bar Graph Signal Display.

### SPECIFICATIONS

POWER OUTPUT	500W + 500W Max., 350W + 350W RMS at 10% THD 300W + 300W RMS at 5% THD, 280W + 280W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono 6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V for each zone
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)
POWER CONSUMPTION	AC: 1100VA DC: 13A
DIMENSIONS	W510 × H185 × D470 mm
WEIGHT	39.80kg



2 ZONE



2 ZONE

## TZA-4000<sup>®</sup>EM

400 WATTS ■ AC & 24V DC Operation

- 6 Mic & 2 Aux Inputs.
- Stereo Music Operation for DJ programmes.
- Facilitates connection and operation of two separate groups of speakers simultaneously on Mono mode. Ideal for Places of Worship.
- Line Input & Output on each zone for connecting to a Mixer and Booster Amplifier respectively. Preamplifier output for recording.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units. Zone On/Off facility.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.

## TZA-2000<sup>®</sup>

200 WATTS ■ AC & 24V DC Operation

- 6 Mic & 2 Aux Inputs.
- 100W+100W power output whereas it is 200W+200W in TZA-4000EM.
- Features are similar to TZA-4000EM. 'Stereo' music operation, connecting of two separate groups of speakers, line inputs & outputs, preamplifier outputs, zone On/Off facility, DC fuses at rear panel, AC/DC operation have been provided.
- While TZA-4000EM is suitable for large installations, TZA-2000 is ideal for medium sized installations such as in places of worship where two separate groups of speakers are needed to be connected.
- User has a choice to connect both the zones to 100V (LMT) type speakers, or 100V speakers to one zone and low impedance type speakers to the other zone. Both the zones can also be connected to low impedance type speakers.

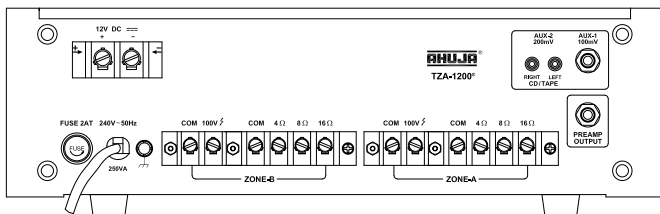
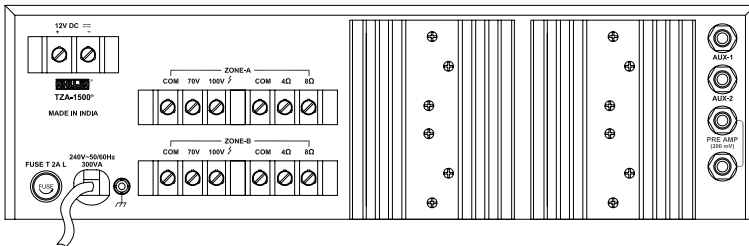
Ahuja models TZA-4000<sup>®</sup>EM and TZA-2000<sup>®</sup> are rugged, reliable, cost-effective 400 watts & 200 watts Two Zone Amplifiers. These are ideal for multi-speaker installations where a user needs to separately set power levels for two separate areas such as indoors & outdoors.

SPECIFICATIONS	TZA-4000 <sup>®</sup> EM	TZA-2000 <sup>®</sup>
POWER OUTPUT	300W + 300W Max., 200W + 200W RMS at 10% THD 180W + 180W RMS at 5% THD, 165W + 165W RMS at 2% THD	130W + 130W Max., 100W + 100W RMS at 10% THD 90W + 90W RMS at 5% THD, 80W + 80W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono 6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo L/R 200mV/100kΩ, Line L/R 1V/50kΩ	Mono 6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo L/R 250mV/47kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V for each zone	4Ω, 8Ω, 70V & 100V for each zone
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 700VA DC: 9A	AC: 420VA DC: 6.5A
DIMENSIONS	W510 × H172 × D385 mm	W500 × H140 × D340 mm
WEIGHT	24.20kg	17.40kg





# Two Zone PA Amplifiers



## TZA-1500®

160 WATTS ■ AC & 12V DC Operation

- 6 Mic & 2 Aux Inputs.
- Preamplifier output for connecting to a Booster Amplifier and for recording the programme.
- Bass & Treble Controls.
- TZA-1500 permits connecting 100V (LMT) type speakers to one Zone and low impedance type speakers to other Zone without causing overloading and over heating.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Zone On/Off facility. Output levels of each Zone can be set independently to desired levels and the zones can be switched On/Off without disturbing the volume settings.

## TZA-1200®

120 WATTS ■ AC & 12V DC Operation

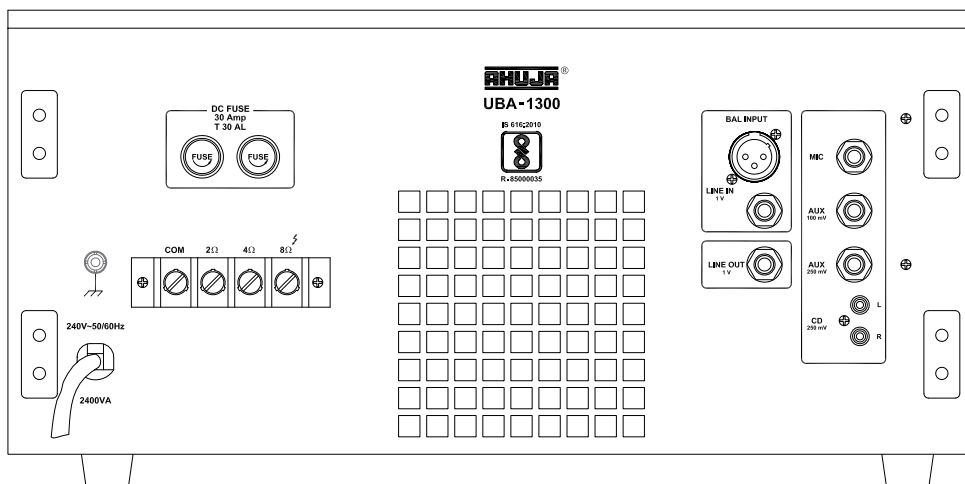
- 5 Mic & 2 Aux Inputs.
- 60W+60W power output whereas it is 80W+80W in TZA-1500.
- Features are similar to TZA-1500. Connecting two groups of speakers, preamplifier output, bass and treble controls, zone On/Off facility, AC/DC operation have been provided.
- TZA-1200 is suitable for small sized installations such as in places of worship where both external and internal speakers are required to be connected with different sound level settings whereas TZA-1500 is suitable for medium size installations and for mobile orchestras.

Ahuja models TZA-1500® and TZA-1200® are cost-effective 160 watts & 120 watts Two Zone Amplifiers. These are designed to give medium power clean sound and reliable, trouble free operation under extreme climatic conditions. Ideal for use in small and medium sized installations such as in Schools, Banquet Halls, Places of Worship etc., where separate sets of speakers for indoors & outdoors are needed.

SPECIFICATIONS	TZA-1500®	TZA-1200®
POWER OUTPUT	100W + 100W Max., 80W + 80W RMS at 10% THD 70W + 70W RMS at 5% THD, 60W + 60W RMS at 2% THD	90W + 90W Max., 60W + 60W RMS at 10% THD 55W + 55W RMS at 5% THD, 50W + 50W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470 kΩ	5 × Mic 0.6mV/4.7kΩ, 1 × Aux 100mV/470 kΩ 1 × Aux 200mV/250kΩ (RCA Jack)
FREQUENCY RESPONSE	65-15,000Hz ±3dB	70-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V for each zone	4Ω, 8Ω, 16Ω & 100V for each zone
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 300VA DC: 6A	AC: 250VA DC: 5A
DIMENSIONS	W460 × H155 × D310 mm	W400 × H130 × D290 mm
WEIGHT	14.20kg	10.10kg

## UBA-1300

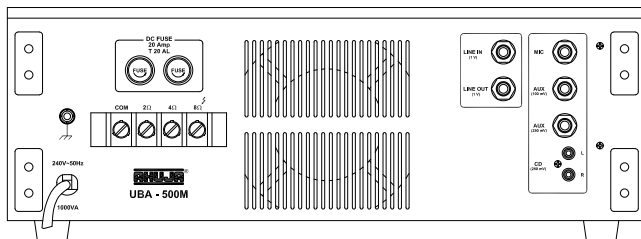
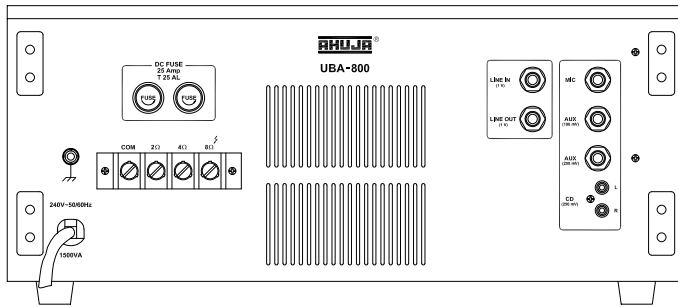
1300 WATTS ■ AC Operation



- Designed for use in a wide variety of PA applications and DJ performances.
- UBA-1300 is a 1300 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- Equalization through bass and treble controls which enable precise and accurate tonal setting of the sound quality.
- The Sub switch provided facilitates use with sub woofer (without separate crossover).
- Line Input and Line Output have been provided to enable interconnections with other power amplifiers.
- Circuit Protector Device has been provided which safeguards the amplifier against overload and short circuit.
- Built-in protection against over voltage in AC mains supply which is specially useful while operating on a Genset.
- Indicator LEDs for Power, Signal, Temp, Overload and Fault conditions have been provided.
- 2Ω Speaker matching provided in addition to 4Ω & 8Ω.

### SPECIFICATIONS

POWER OUTPUT	1650W RMS Max., 1300W RMS at 10%THD, 1150W RMS at 5% THD 1050W RMS at 2% THD
OUTPUT REGULATION	≤ 2dB, no load to full load at 1kHz
INPUT CHANNELS	1 × Mic 1.5mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ, 1 × Aux 250mV / 20kΩ, 1 × CD 250mV / 20kΩ, 1 × Line 1V / 10kΩ unbalanced, 20k balanced
FREQUENCY RESPONSE	50Hz – 18,000Hz ± 3dB
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass (100Hz) : ± 8dB Treble (10kHz) : ± 8dB
SPEAKER OUTPUT	2Ω, 4Ω & 8Ω
POWER SUPPLY	AC: 220-240V 50/60Hz
PROTECTIONS	2 × 30 Amp fuse in ± DC supply 10 Amp circuit breaker in AC mains Protected against high AC mains voltage, overload & temperature
POWER CONSUMPTION	2400VA
DIMENSIONS	W500 × H225 × D577 mm
WEIGHT	49.40kg



## UBA-800

### 800 WATTS ■ AC Operation

- Designed for use in a wide variety of PA applications and DJ performances.
- UBA-800 is a 800 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- The amplifier includes an built-in 5 Band Graphic Equalizer with tone ON/OFF switch which enables precise and accurate tonal setting of the programme.
- Line Input and Line Output have been provided to enable interconnections with other power amplifiers.
- Circuit Protector Device has been provided which safeguards the amplifier against overload and short circuit.
- The amplifier has built-in protection against over voltage in AC mains supply which is specially useful while operating on a Genset.
- Indicator LEDs for Power, Signal, Temp, Overload and Fault conditions have been provided.
- 2Ω speaker matching provided in addition to 4 & 8Ω.

## UBA-500M

### 500 WATTS ■ AC Operation

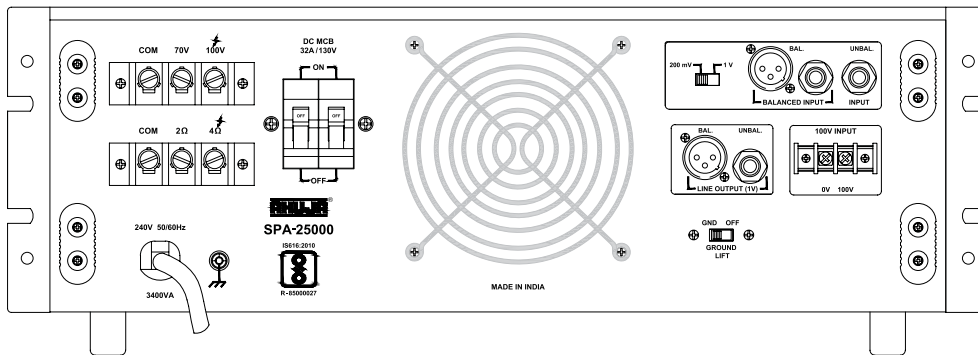
- Designed for use in a wide variety of PA applications and DJ performances.
- UBA-500M is a 500 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- The amplifier includes an built-in 5 Band Graphic Equalizer with tone ON/OFF switch which enables precise and accurate tonal setting of the programme.
- Features are similar to UBA-800.

SPECIFICATIONS	UBA-800	UBA-500M
POWER OUTPUT	1150W RMS Max., 800W RMS at 10%THD 770W RMS at 5% THD 725W RMS at 2% THD	650W RMS Max., 500W RMS at 10%THD 475W RMS at 5% THD 450W RMS at 2% THD
OUTPUT REGULATION	≤ 2dB, no load to full load at 1kHz	≤ 2dB, no load to full load at 1kHz
INPUT CHANNELS	1 × Mic 1mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ, 1 × Aux 250mV / 20kΩ 1 × CD 250mV / 20kΩ, 1 × Line 1V / 10kΩ	1 × Mic 1mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ, 1 × Aux 250mV / 20kΩ 1 × CD 250mV / 20kΩ, 1 × Line 1V / 10kΩ
FREQUENCY RESPONSE	50Hz – 18,000Hz ±3dB	50Hz – 18,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass (100Hz) : ± 8dB Lo-Mid (315Hz) : ± 8dB Mid (1kHz) : ± 8dB Hi-Mid (3.1kHz) : ± 8dB Treble (10kHz) : ± 8dB	Bass (100Hz) : ± 8dB Lo-Mid (315Hz) : ± 8dB Mid (1kHz) : ± 8dB Hi-Mid (3.1kHz) : ± 8dB Treble (10kHz) : ± 8dB
LINE OUTPUT	1V/1kΩ	1V/1kΩ
SPEAKER OUTPUT	2Ω, 4Ω & 8Ω	2Ω, 4Ω & 8Ω
POWER SUPPLY	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz
PROTECTIONS	2 × 25 Amp fuse in ± DC supply 8 Amp circuit breaker in AC mains Protected against high AC mains voltage, overload & temperature	2 × 20 Amp fuse in ± DC supply 5 Amp circuit breaker in AC mains Protected against high AC mains voltage, overload & temperature
POWER CONSUMPTION	1500 VA	1000 VA
DIMENSIONS	W482 × H186 × D512 mm	W482 × H166 × D435 mm
WEIGHT	33.00kg	22.50kg



## SPA-25000

2500 WATTS ■ AC Operation



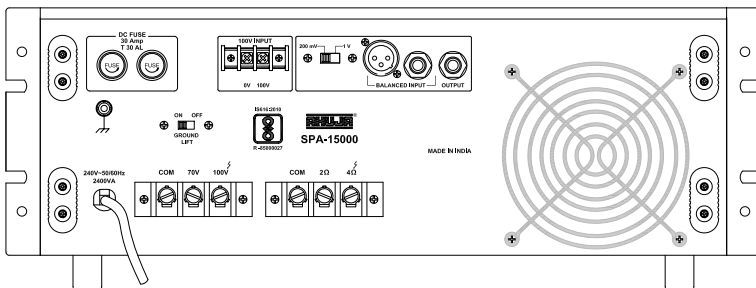
Super high power single channel PA booster amplifier, specially designed for big installations where large number of speakers are required. Class H operation for optimum efficiency

- Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- 100V input for connecting to another amplifier 100V output.
- Built-in circuit for protection against overload, short circuit and temperature.
- Built-in protection against overvoltage in AC mains supply which is specially useful while operating on a genset.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- 100V/70V, 4Ω and 2Ω power outputs
- Ideal for large installations where very high power output is required.

### SPECIFICATIONS

POWER OUTPUT	3000W Max., 2500W RMS at 10% THD 2300W RMS at 5% THD, 2150W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	1 × Line 200mV/20kΩ balanced, 10kΩ unbalanced, 1 × Line 1V/20kΩ balanced, 10kΩ unbalanced, 1 × 100V Input/100kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	75dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
SPEAKER OUTPUTS	2Ω, 4Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz
POWER CONSUMPTION	AC: 3400VA
DIMENSIONS	W520 × H185 × D595 mm
WEIGHT	38.50kg

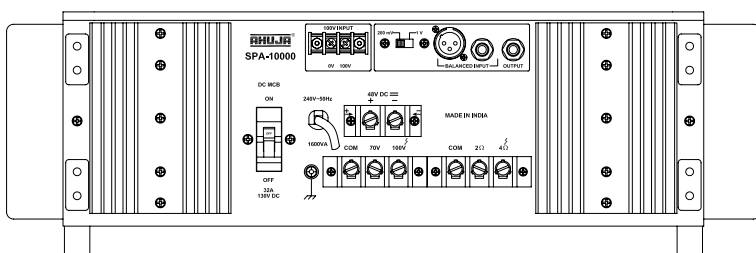
# High Power PA Amplifiers



## SPA-15000

1500 WATTS ■ AC Operation

- Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- 100V input for connecting to another amplifier 100V output.
- Resettable circuit breaker for protection against overload and short circuit.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- 100V/70V, 4Ω and 2Ω power outputs
- Ideal for large installations where very high power output is required.



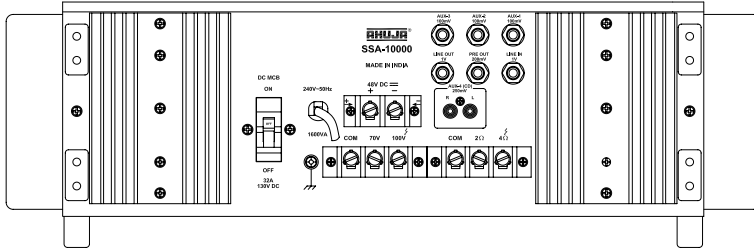
## SPA-10000

1000 WATTS ■ AC & 48V DC Operation

- Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- 100V input for connecting another amplifier output.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- Ideal for large installations where a high power output is required. A combination of a SSA-10000 and one SPA-10000 can deliver 2000W power output.

### SPECIFICATIONS

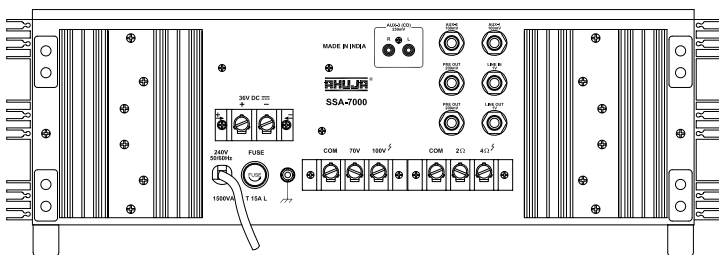
	SPA-15000	SPA-10000
POWER OUTPUT	2000W Max., 1500W RMS at 10% THD 1400W RMS at 5% THD, 1250W RMS at 2% THD	1350W Max., 1000W RMS at 10% THD 850W RMS at 5% THD, 800W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	1 × Line 200mV/100kΩ, 1 × Line 1V/50kΩ, 1 × 100V Input/100kΩ	1 × Line 200mV/100kΩ, 1 × Line 1V/50kΩ, 1 × 100V Input/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±8dB at 100Hz, Treble: ±8dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
SPEAKER OUTPUTS	2Ω, 4Ω, 70V & 100V	2Ω, 4Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz DC: 48V (4×12V Car Battery)
POWER CONSUMPTION	AC: 2400VA	AC: 1600VA DC: 12A
DIMENSIONS	W485 × H170 × D580 mm	W540 × H185 × D510 mm
WEIGHT	41.10kg	41.00kg



## SSA-10000

1000 WATTS ■ AC & 48V DC Operation

- 8 Mic & 4 Aux Inputs. Aux-4 input is through RCA socket specially for connecting CD/DVD player.
- Preamp and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-10000 to be used as a Booster Power Amplifier.
- Resettable circuit breaker & MCB at back for protection against overload and short circuit.
- Instant transfer to DC power if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.



## SSA-7000

700 WATTS ■ AC & 36V DC Operation

- 7 Mic & 3 Aux Inputs.
- Preamp and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-7000 to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.

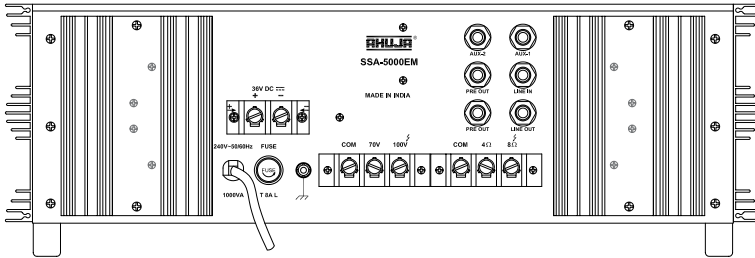
### SPECIFICATIONS

	SSA-10000	SSA-7000
POWER OUTPUT	1350W Max., 1000W RMS at 10% THD 850W RMS at 5% THD, 800W RMS at 2% THD	950W Max., 700W RMS at 10% THD 600W RMS at 5% THD, 570W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	8 × Mic 0.8mV/4.7kΩ, 3 × Aux 100mV/50kΩ 1 × Aux 250mV/50kΩ, 1 × Line 1V/50kΩ	7 × Mic 0.8mV/4.7kΩ, 2 × Aux 100mV/50kΩ 1 × Aux 250mV/50kΩ, 1 × Line 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ± 3dB	50-15,000Hz ± 3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	2Ω, 4Ω, 70V & 100V	2Ω, 4Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 48V (4 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)
POWER CONSUMPTION	AC: 1600VA DC: 12A	AC: 1100VA DC: 11A
DIMENSIONS	W540 × H185 × D510 mm	W510 × H185 × D400 mm
WEIGHT	42.00kg	38.00kg





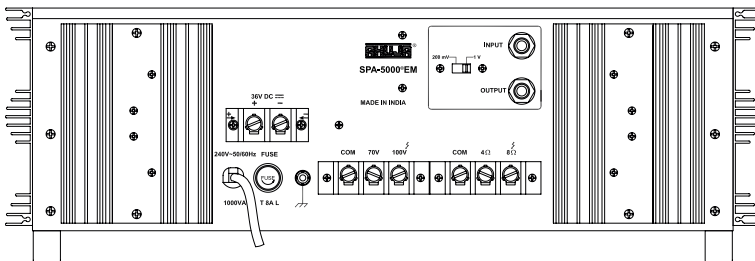
# High Power PA Amplifiers



## SSA-5000EM

500 WATTS ■ AC & 36V DC Operation

- 7 Mic & 2 Aux Inputs.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-5000EM to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.



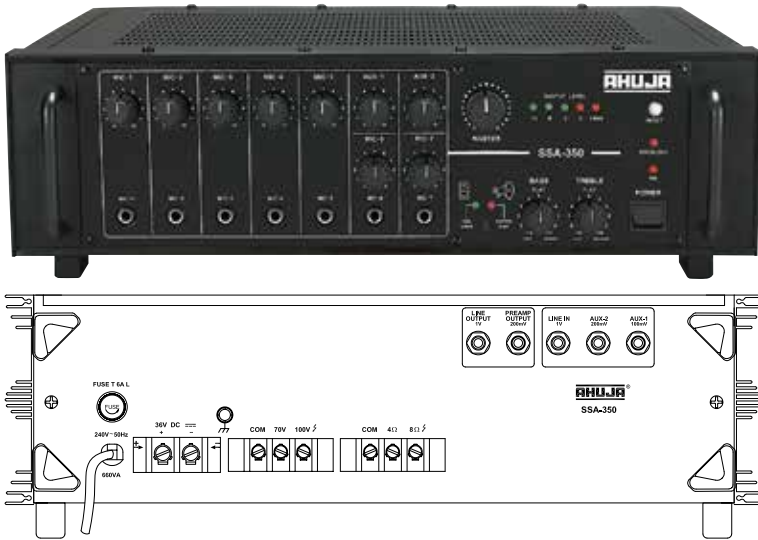
## SPA-5000<sup>®</sup>EM

500 WATTS ■ AC & 36V DC Operation

- Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- Ideal for large installations where a high power output is required. A combination of a SSA-5000EM and one SPA-5000EM can deliver 1000W power output.

Ahuja models SSA-5000EM and SPA-5000<sup>®</sup>EM are highly reliable 500 watts PA Amplifiers. These are designed to give high power clean sound and trouble free operation under extreme climatic conditions.

SPECIFICATIONS	SSA-5000EM	SPA-5000 <sup>®</sup> EM
POWER OUTPUT	750W Max., 500W RMS at 10% THD 450W RMS at 5% THD, 415W RMS at 2% THD	750W Max., 500W RMS at 10% THD 450W RMS at 5% THD, 415W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	7 × Mic 0.8mV/4.7kΩ, 2 × Aux 100mV/470 kΩ 1 × Line 1V/50kΩ	1 × Line 200mV/100kΩ 1 × Line 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	—
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)
POWER CONSUMPTION	AC: 1000VA DC: 8A	AC: 1000VA DC: 8A
DIMENSIONS	W510 × H172 × D385 mm	W510 × H172 × D385 mm
WEIGHT	26.70kg	25.70kg



## SSA-350

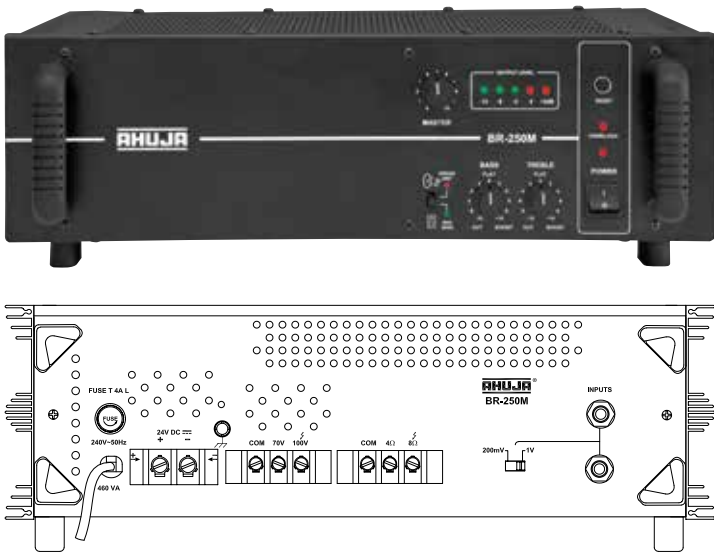
350 WATTS ■ AC & 36V DC Operation

- 7 Mic & 2 Aux Inputs.
- Preamp and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-350 to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit. Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.

## BR-250M

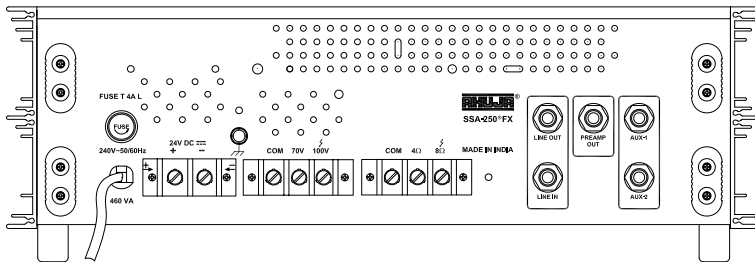
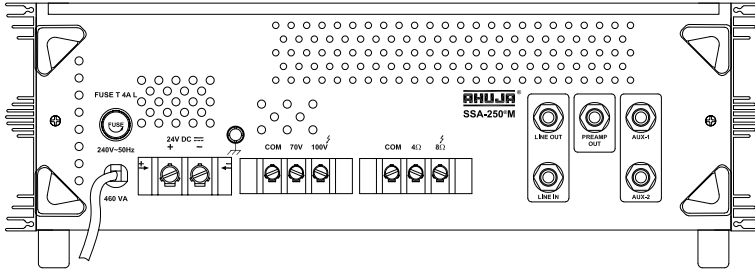
250 WATTS ■ AC & 24V DC Operation

- Line Input 200mV/1V switchable for connecting a mixer or another amplifier.
- Resettable circuit breaker for protection against overload and short circuit. Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- By connecting four booster amplifiers BR-250M to one SSA-250M, the user can have a 1250W mono system.



SPECIFICATIONS	SSA-350	BR-250M
POWER OUTPUT	450W Max., 350W RMS at 10% THD 320W RMS at 5% THD, 300W RMS at 2% THD	300W Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	7 × Mic 0.8mV/4.7kΩ, 1 × Aux 100mV/470kΩ 1 × Aux 200mV/470kΩ, 1 × Line 1V/50kΩ	1 × Line 200mV/100kΩ 1 × Line 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 660VA DC: 6A	AC: 460VA DC: 6A
DIMENSIONS	W480 × H160 × D360 mm	W450 × H160 × D340 mm
WEIGHT	20.50kg	15.00kg

# High Power PA Amplifiers



## SSA-250®M

250 WATTS ■ AC & 24V DC Operation

- 6 Mic & 2 Aux Inputs.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-250®M to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit. Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.

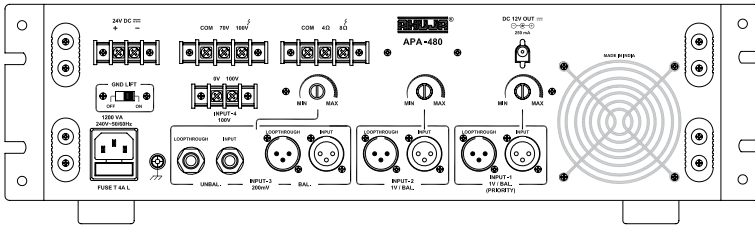
## SSA-250®FX

250 WATTS ■ AC & 24V DC Operation

- 6 Mic & 2 Aux Inputs.
- Built-in digital effect processor for 2 Mic Inputs.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-250®FX to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit. Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.

### SPECIFICATIONS

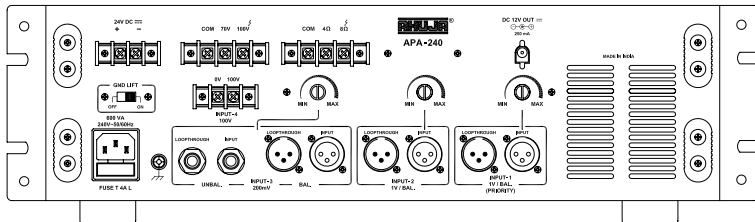
	SSA-250®M	SSA-250®FX
POWER OUTPUT	300W Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD	300W Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	6 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ, 1 × Line 1V/50kΩ	6 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ, 1 × Line 1V/50kΩ
DELAY SYSTEM	—	Digital Signal Processing
DELAY RANGE SETTING	—	60-300ms
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 460VA DC: 6A	AC: 460VA DC: 6A
DIMENSIONS	W450 × H160 × D340 mm	W450 × H160 × D340 mm
WEIGHT	15.40kg	15.70kg



## APA-480

600 WATTS ■ AC & 24V DC Operation

- 1x Line 200mV unbalanced input through 1/4" phone socket, 1xLine 200mV balanced input & 2xLine 1V balanced inputs through XLR connectors, one 1V input having priority over all other inputs.
- 100V input is provided for connecting another amplifier's output in long line applications.
- Ground lift switch provided at rear panel which helps reducing the hum that occurs due to multiple ground loops in the installations.
- Resettable circuit breaker for protection against overload and short circuit.
- Loop through output for connecting another booster amplifier.
- 19" Rack mountable chassis.
- Instant transfer to DC power (Car Battery) if AC power fails.



## APA-240

325 WATTS ■ AC & 24V DC Operation

- 1x Line 200mV unbalanced input through 1/4" phone socket, 1x line 200mV balanced input & 2xLine 1V balanced inputs through XLR connectors, one 1V input having priority over all other inputs.
- 100V input is provided for connecting another amplifier's output in long line applications.
- Ground lift switch provided at rear panel which helps reducing the hum that occurs due to multiple ground loops in the installations.
- Resettable circuit breaker for protection against overload and short circuit.
- Loop through output for connecting another booster amplifier.
- 19" Rack mountable chassis.
- Instant transfer to DC power (Car Battery) if AC power fails.

### SPECIFICATIONS

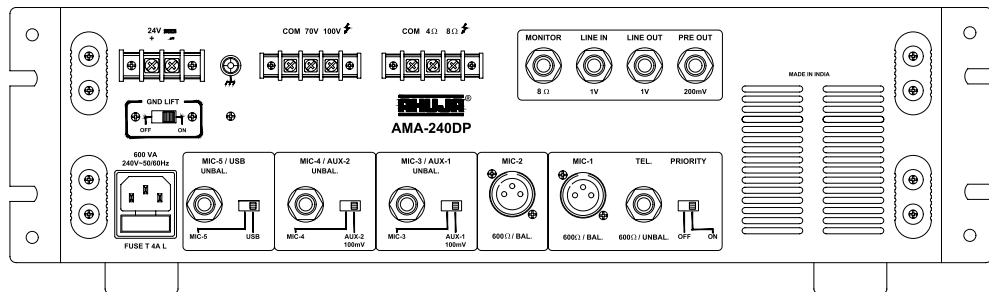
	APA-480	APA-240
POWER OUTPUT	750W Max., 600W RMS at 10% THD 550W RMS at 5% THD, 500W RMS at 2% THD, 480W RMS at 1% THD	415W Max., 325W RMS at 10% THD 300W RMS at 5% THD, 275W RMS at 2% THD, 240W RMS at 1% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	1 × 200mV/470kΩ (unbal.), 1 × 200mV/50kΩ (bal.), 2 × 1V/50kΩ (bal.), 1 × 100V Input/50kΩ	1 × 200mV/470kΩ (unbal.), 1 × 200mV/50kΩ (bal.), 2 × 1V/50kΩ (bal.), 1 × 100V Input/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Loop through 2 × 200mV/600Ω, 2 × 1V/1kΩ	Loop through 2 × 200mV/600Ω, 2 × 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 1200VA DC: 15A	AC: 600VA DC: 7A
DIMENSIONS	W485 × H142 × D510 mm	W485 × H142 × D405 mm
WEIGHT	32.20kg	20.60kg





## AMA-240DP

325 WATTS ■ AC & 24V DC Operation



High quality mixer amplifier with built-in MP3 player in standard 19" rack mountable chassis, suitable for both table top use and rack mounting. Ideal for fixed installations and a wide variety of PA applications such as in departmental stores, schools, hospitals etc.,

- 5 Mic, 2 Aux & 1 Telephone Inputs.
- Built-in MP3 Player with remote control for USB, SD/MMC card reader.
- 2 Balanced Mic Inputs through Female XLR connectors.
- Mic-1 and Telephone Input provided with Voice Operated Priority over all other programmes.
- Preamp Output (unbal.) and Line Output (bal.) for recording the programme and connecting to a booster amplifier.
- Line Input (bal.) for connecting an external audio mixer or using AMA-240DP as a Booster Power Amplifier.
- Ground lift switch provided at rear panel which helps reducing the hum that occurs due to multiple ground loops in the installations.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- 19" Rack mountable.

### SPECIFICATIONS

POWER OUTPUT	415W Max., 325W RMS at 10% THD, 240W RMS at 1% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	3 × Mic 2.5mV/4.7kΩ (unbal.), 2 × Mic 2.0mV/2kΩ (bal.), 1 × Line 1V/50kΩ (Bal.), 2 × Aux 100mV/470kΩ, 1 × Telephone 150mV/10kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω (Unbal.), Line 1V/1kΩ (Bal.), Monitor 5V/8Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V
DIGITAL PLAYER	MP3 Player with USB, SD / MMC Card Reader
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 600VA DC: 7A
DIMENSIONS	W485 × H142 × D405 mm
WEIGHT	21.00kg



## SSA-160<sup>®</sup>EM

160 WATTS ■ AC & 24V DC Operation

- 5 Mic & 2 Aux Inputs.
- Preamp and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or permitting SSA-160EM to be used as a Booster Power Amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.



## SSA-100<sup>®</sup>M

100 WATTS ■ AC & 24V DC Operation

- 5 Mic & 2 Aux Inputs.
- Preamp and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Bass & Treble Tone Controls cut type.

SPECIFICATIONS	SSA-160 <sup>®</sup> EM	SSA-100 <sup>®</sup> M
POWER OUTPUT	220W Max., 160W RMS at 10% THD 140W RMS at 5% THD, 120W RMS at 2% THD	130W Max., 100W RMS at 10% THD 90W RMS at 5% THD, 80W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ, 1 × Line 1V/50kΩ	5 × Mic 0.65mV/4.7kΩ, 1 × Aux 50mV/470kΩ 1 × Aux 150mV/470kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 16Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 300VA DC: 4A	AC: 220VA DC: 3A
DIMENSIONS	W420 × H155 × D320 mm	W420 × H135 × D290 mm
WEIGHT	13.60kg	10.50kg



## Medium Power PA Amplifiers



### SSB-120®

120 WATTS ■ AC & 12V DC Operation

- 5 Mic & 2 Aux Inputs.
- Line Output for connecting to a Booster Amplifier and Pre-amplifier Output for recording the programme.
- Cut type Bass & Treble controls.
- Instant transfer to DC power (Car Battery) if AC power fails.



### SSB-85FX

80 WATTS ■ AC & 12V DC Operation

- 4 Mic & 1 Aux Inputs.
- Built-in digital echo effect on Mic-4.
- Mic-3 is alternate to Aux through switch.
- Mic-1 & Mic-2 having LO-CUT facility.
- Pre-amplifier Output for connecting to a Booster Amplifier and for recording the programme.
- Cut type Bass & Treble controls.
- Instant transfer to DC power (Car Battery) if AC power fails.

#### SPECIFICATIONS

	SSB-120®	SSB-85FX
POWER OUTPUT	160W Max., 120W RMS at 10% THD 105W RMS at 5% THD, 95W RMS at 2% THD	110W Max., 80W RMS at 10% THD 75W RMS at 5% THD, 60W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ	4 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	65-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω, 70V & 100V	4Ω, 8Ω, 16Ω, 70V & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 250VA DC: 5.5A	AC: 180VA DC: 3A
DIMENSIONS	W420 × H135 × D295 mm	W355 × H133 × D285 mm
WEIGHT	11.30kg	8.53kg



## SSB-80®M

80 WATTS ■ AC & 12V DC Operation

- 5 Mic & 2 Aux Inputs.
- Preamp Output for connecting to a Booster Amplifier and for recording the programme.
- Cut type Bass & Treble controls.
- Instant transfer to DC power (Car Battery) if AC power fails.



## SSB-60®EM

60 WATTS ■ AC & 12V DC Operation

- 4 Mic & 1 Aux Inputs.
- Preamp Output for connecting to a Booster Amplifier and for recording the programme.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Cut type Bass & Treble Controls.

SPECIFICATIONS	SSB-80®M	SSB-60EM
POWER OUTPUT	110W Max., 80W RMS at 10% THD 75W RMS at 5% THD, 60W RMS at 2% THD	90W Max., 65W RMS at 10% THD 60W RMS at 5% THD, 50W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470kΩ	4 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470 kΩ
FREQUENCY RESPONSE	65-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω, 70V & 100V	4Ω, 8Ω, 16Ω & 100V
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 180VA DC: 3A	AC: 160VA DC: 3A
DIMENSIONS	W355 × H133 × D285 mm	W350 × H120 × D265 mm
WEIGHT	7.83kg	7.00kg





## Medium Power PA Amplifiers



### SSB-45®EM

45 WATTS ■ AC & 12V DC Operation

- 3 Mic & 1 Aux Inputs.
- Pre-amplifier Output for connecting to a Booster Amplifier and for recording the programme.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Cut type Bass & Treble Controls.



### UTR-40

30 WATTS ■ AC, 12V DC & Dry Cells Operation

- 3 Mic & 1 Aux Input.
- Cut type Bass & Treble controls.
- 3 POWER SOURCE Amplifier: AC mains, 12V DC (Car Battery) and 12V DC Dry Cell (Two Banks of 8 × 1.5V Um-1 cell each).
- Extremely portable and ideal for use in remote places without electricity.
- Low current consumption for long battery life.

## Low Power PA Amplifiers



### UTR-30E

25 WATTS ■ AC, 12V DC & Dry Cells Operation

- 3 Mic & 1 Aux Input.
- Cut type Tone control.
- 3 POWER SOURCE Amplifier: AC mains, 12V DC (Car Battery) and 12V DC Dry Cell (Two Banks of 8 × 1.5V UM-1 cell each).
- Extremely portable and ideal for use in remote places without electricity.
- Battery saver switch for long battery life and red LED for low battery indication.

All these models are compact, portable and ideal for most general purpose applications. These are ideal for use in small sized houses of worship and other similar applications. Since these also operate on 12V Car Battery, they are convenient for areas without continuous mains power supply

SPECIFICATIONS	SSB-45®EM	UTR-40	UTR-30E
POWER OUTPUT	64W Max., 45W RMS at 10% THD 40W RMS at 5% THD, 30W RMS at 2% THD	45W Max., 30W RMS at 10% THD	35W RMS Max., 25W RMS at 10% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	—	—
INPUT CHANNELS	3 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470 kΩ	3 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470kΩ	3 × Mic 1.0mV/10kΩ, 1 × Aux 50mV/250kΩ
FREQUENCY RESPONSE	100-15,000Hz ±3dB	100-15,000Hz ±3dB	150-10,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB	60dB
TONE CONTROLS	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz	Bass: -10dB at 100Hz Treble: -10dB at 10kHz	-15dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω	—	—
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω & 16Ω
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz, DC: 12V (Car Battery) DC: 12V (Dry Cells 8 × UM-1 Two Banks)	AC: 220-240V 50/60Hz, DC: 12V (Car Battery) DC: 12V (Dry Cells 8 × UM-1 Two Banks)
POWER CONSUMPTION	AC: 110VA DC: 2A	AC: 90VA DC: 1.8A	AC: 80VA DC: 1.2A
DIMENSIONS	W280 × H120 × D270 mm	W280 × H115 × D270 mm	W250 × H115 × D270 mm
WEIGHT	4.80kg	5.30kg	4.30kg

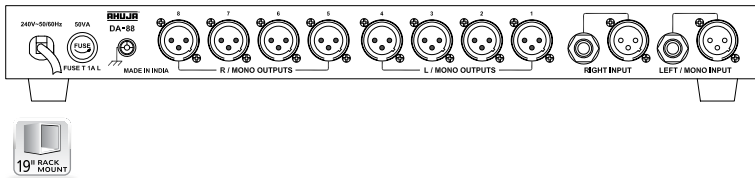


## UB-30

25 WATTS ■ AC & 12V DC Operation

- 2 Mic & 1 Aux Input.
- Cut type tone control.
- 2 POWER SOURCE amplifier: AC mains and 12V DC (Car Battery).
- Provision of automatic changeover from AC to Battery operation ensuring continuity of program.
- Protection against wrong battery polarity.

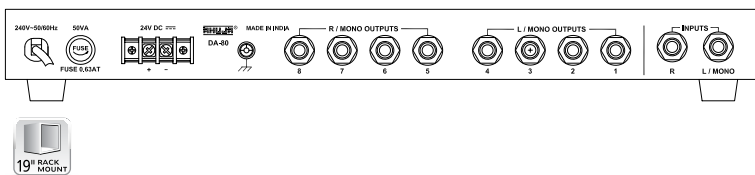
## PA Audio Splitters



## DA-88

AC Operation

- Compact and rugged professional line level signal splitter.
- Designed for use in a wide variety of indoor and outdoor PA applications.
- Accepts Line Level Stereo as well as Mono inputs through F/XLR connector as well as 6.3mm (1/4") stereo phone jack sockets.
- Provides four stereo balanced outputs or eight mono balanced outputs through M/XLR connectors.
- Individual volume control for each input & output channel.
- Separate clip LED indicator for Left and Right input signal.
- Easy to operate Stereo/Mono push switch, provided on front panel.
- Operates on AC mains.
- 19" rack mountable in 1U size and usable as a table top unit also.



## DA-80

AC & 24V DC Operation

- Sleek & compact 8-channel line signal splitter.
- Accepts line level Stereo/Mono input.
- Provides four line level stereo outputs or eight line level mono outputs.
- Individual volume controls for input and eight output channels.
- Clip LED for setting optimum distortion free input levels.
- Operates on AC mains and 24V DC Car Battery.
- 19" rack mountable in 1U space and also usable as a table top unit.

SPECIFICATIONS	UB-30	DA-88	DA-80
POWER OUTPUT	30W RMS Max., 25W RMS at 10% THD	—	—
INPUT CHANNELS	2 × Mic 1.0mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ	2 × 100mV/20kΩ Balanced	2 × 100mV/47kΩ Unbalanced
OUTPUTS	—	8 × 1V / 50Ω Balanced	8 × 1V/470Ω Unbalanced
FREQUENCY RESPONSE	150-10,000Hz ±3dB	20-20,000Hz ±3dB	20-20,000Hz ±3dB
DISTORTION	—	<0.1%	<0.1%
SIGNAL TO NOISE RATIO	60dB	70dB	70dB
TONE CONTROLS	-10dB at 10kHz	—	—
SPEAKER OUTPUTS	4Ω, 8Ω & 16Ω & 100V	—	—
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (Car Battery)	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 80VA DC: 1.2A	—	—
DIMENSIONS	W180 × H80 × D260 mm	W483 × H52 × D195 mm	W483 × H43 × D178 mm
WEIGHT	4.00kg	2.80kg	2.80kg





## PA-400DS

40 WATTS ■ 12V DC Operation

- 2 Mic & 1 Aux Input.
- Built-in MP3 player with remote control for USB reader.
- Tone Control.
- 12V Car Battery Operation.
- Two Tone Siren (Wailing & Yelping) with volume control.
- Recommended for use with AHUJA Mic MM-60M & Horn Speakers SUH-25/SUH-40.
- Amplifier mounting bracket supplied.
- Ideal for Police Vehicles, Crowd Control, Ambulances, Publicity Vans, Electioneering etc.

Vehicle PA Amplifier



## PA-400S

40 WATTS ■ 12V DC Operation

- 2 Mic & 1 Aux Input.
- 12V Car Battery Operation.
- Two Tone Siren (Wailing & Yelping) with volume control.
- Recommended for use with AHUJA Mic MM-60M & Horn Speakers SUH-25/SUH-40.
- Amplifier mounting bracket supplied.
- Ideal for Police Vehicles, Crowd Control, Ambulances, Publicity Vans, Electioneering etc.

Vehicle PA Amplifier



## MPA-40S

22 WATTS ■ 12V DC Operation

- 1 Mic Input.
- 12V Motorcycle Battery Operation.
- Two Tone Siren (Wailing & Yelping) with volume control.
- Recommended AHUJA Mic MM-60M with 4 pin connector.
- Supplied with mounting brackets.
- Ideal for Police Motorcycles.

Motorcycle PA Amplifier

SPECIFICATIONS	PS-400DS	PA-400S	MPA-40S
POWER OUTPUT	50W Max., 40W RMS at 10% THD	50W Max., 40W RMS at 10% THD	22W Max., 16W RMS at 10% THD
INPUT CHANNELS	2 × Mic 1mV/4.7kΩ, 1 × Aux 100mV/330kΩ	2 × Mic 1mV/4.7kΩ, 1 × Aux 100mV/330kΩ	Built-in Mic —
DIGITAL PLAYER	MP3 Player with USB Reader	—	—
FREQUENCY RESPONSE	100-10,000Hz ±3dB	100-10,000Hz ±3dB	100-10,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB	60dB
TONE CONTROLS	-10dB at 10kHz	—	—
SPEAKER OUTPUTS	4Ω, 100V Line	4Ω, 100V Line	4Ω Voice Coil
POWER SUPPLY	12V DC (Car Battery)	12V DC (Car Battery)	12V DC (Motorcycle Battery)
DIMENSIONS	W190 × H80 × D240 mm	W180 × H80 × D240 mm	Control Unit: W125 × H95 × D120 mm Horn Speaker: Dia 170 × (L190) mm
WEIGHT	2.30kg	2.10kg	Control Unit with Mic 730g Horn Speaker 1.95kg

# PA Amplifiers with built-in Digital Player

USB Flash Drives & SD Cards provide a reliable, lightweight and convenient medium for storing very large numbers of songs in MP3 format.

AHUJA MP3 Digital Players are specially designed to reproduce, faithfully and with utmost fidelity, the music stored in MP3 format.

A wide range of highly reliable AHUJA PA Amplifiers are available with built in MP3 Digital Players to enable easy & convenient music playback.



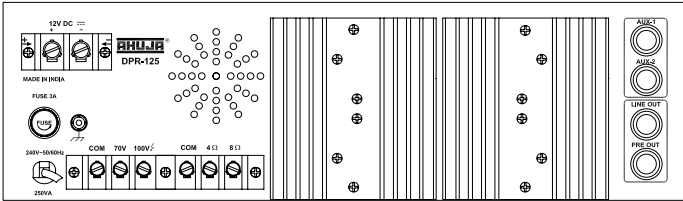
Offices | Coaching Classes | Shops

Campaigns | Mobile Publicity

Tourist Coaches | Restaurants



# PA Amplifiers/ Preamplifier with Built-in Digital Player/Recorder



## DPR-125

125 WATTS ■ AC & 12V DC Operation

- Designed for use in a wide variety of PA applications.
- DPR-125 is a 125 Watts Mixer Amplifier with two unbalanced independent Mic inputs and further three unbalanced Mic inputs alternate to AUX-1, AUX-2 and USB.
- Built-in MP3 recorder player with large display LCD supplied with separate remote.
- DPR-125 has a Preamp output for connecting to AUX input of another amplifier and a Line output for connecting to a line input of another amplifier.
- Active Bass and Treble Controls have been provided which help to shape the tonal quality of music and speech to the desired requirement.
- LED array has been provided for visual monitoring of output level as well as for adjustment of recording signal level.
- Provision for automatic changeover from AC to Battery Operation ensures continuity of program (if 12V battery is connected).
- Protection provided against the reverse polarity of battery connections.
- Ease of operation, combined with service accessibility has been optimized in the design.
- Headphone socket provided for listening or monitoring the program.
- 2.5" Monitor speaker built-in for monitoring the program played.

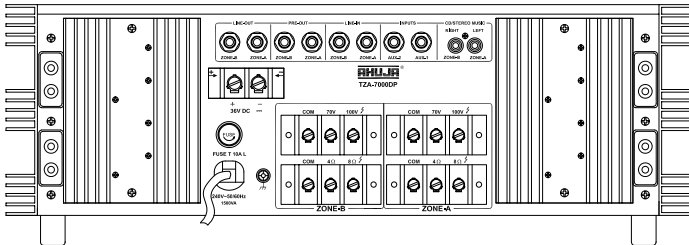


## ADP-30R

200mV ■ AC & 12V DC Operation

- Designed for use in a wide variety of PA applications.
- Built-in MP3 recorder player with LCD display supplied with remote control and with built-in facility of USB, SD, MMC card & Bluetooth.
- ADP-30R has a Preamp output for connecting to Stereo or Mono input of another amplifier and a REC input for recording the preamp output of another amplifier.
- Provision for automatic changeover from AC to Battery Operation ensures continuity of program (if 12V battery is connected).
- Protection provided against the reverse polarity of battery connections.

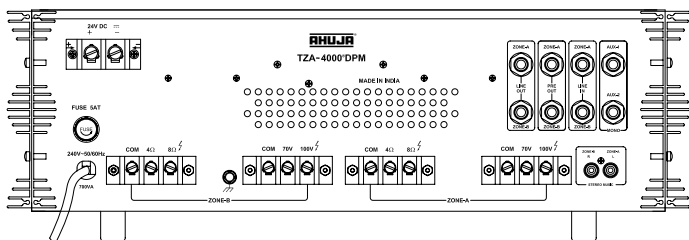
SPECIFICATIONS	DPR-125	ADP-30R
POWER OUTPUT	160W Max., 125W RMS at 10% THD, 105W RMS at 5% THD, 95W RMS at 2% THD	—
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	—
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ, 1 × Aux 100mV/470kΩ, 1 × Aux 250mV/470kΩ	REC Input 200mV Left & Right
FREQUENCY RESPONSE	50-15,000Hz ±3dB	20-20,000Hz ±1dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: -10dB +5dB at 100Hz, Treble: -10dB +5dB at 10kHz	—
OUTPUT	Preamp 200mV/600Ω, Line 1V/1kΩ	200mV/600Ω Mono / Stereo
SPEAKER OUTPUT	4Ω, 8Ω, 70V & 100V for each zone	—
DIGITAL PLAYER	MP3 Record Player with USB, SD and MMC Card Reader	MP3 Recorder Player with USB, SD, MMC Card & Bluetooth
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 250VA DC: 5.5A (Average)	AC: 22VA DC: 500mA
DIMENSIONS	W425 × H135 × D290 mm	W152 × H81 × D165 mm
WEIGHT	11.50kg	1.20kg



## TZA-7000DP

700 WATTS ■ AC & 36V DC Operation

- 6 Mic, 2 Aux Inputs and CD/Stereo music input (L&R)
- Built-in MP3 player with remote control and LCD display for USB, SD/MMC card reader.
- Stereo/Mono switch to change ambience of MP3 music player & CD/Stereo music for DJ programmes.
- Facilitates connection and operation of two separate groups of speakers simultaneously. Ideal for Places of Worship.
- Line Input & Output on each zone for connecting to a Mixer and Booster Amplifier respectively. Pre-amplifier output for recording.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units. Zone On/Off facility.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.



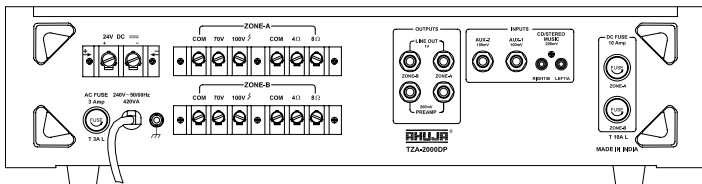
## TZA-4000<sup>®</sup>DPM

400 WATTS ■ AC & 24V DC Operation

- 6 Mic, 2 Aux Inputs and CD/Stereo input (L&R).
- Built-in MP3 player with remote control and LCD display for USB, SD/MMC card reader.
- Stereo/Mono switch to change ambience of MP3 music player and CD/Stereo music for DJ programmes.
- Separate USB level control provided.
- Line Input & Output on each zone for connecting to a Mixer and Booster Amplifier respectively. Pre-amplifier output for recording.
- Box Speaker/Driver Unit selector switch for each zone. Bass boost defeated at Driver Unit position for safer operation of driver units. Zone On/Off facility.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.

SPECIFICATIONS	TZA-7000DP	TZA-4000 <sup>®</sup> DPM
POWER OUTPUT	500W + 500W Max., 350W + 350W RMS at 10% THD 300W + 300W RMS at 5% THD, 280W + 280W RMS at 2% THD	300W + 300W Max., 200W + 200W RMS at 10% THD 180W + 180W RMS at 5% THD, 165W + 165W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mic/Aux: 6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo Music Mode: L/R 200mV/100kΩ, Line L/R 1V/20kΩ	Mic/Aux: 6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo Music Mode: L/R 200mV/100kΩ, Line L/R 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUT	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUT	4Ω, 8Ω, 70V & 100V for each zone	4Ω, 8Ω, 70V & 100V for each zone
DIGITAL PLAYER	MP3 Player with USB, SD and MMC Card Reader	MP3 Player with USB, SD and MMC Card Reader
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 1500VA DC: 13A	AC: 700VA DC: 9A
DIMENSIONS	W510 × H185 × D470 mm	W510 × H172 × D385 mm
WEIGHT	40.00kg	24.20kg

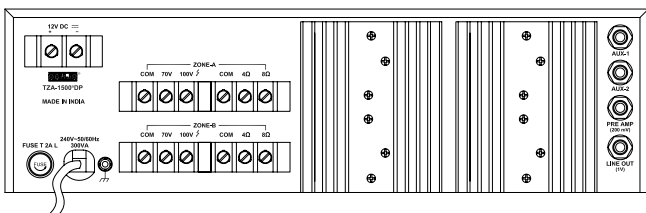
# PA Amplifiers with Built-in Digital Player



## TZA-2000®DP

200 WATTS ■ AC & 24V DC Operation

- 6 Mic, 2 Aux Inputs and CD/Stereo input (L&R)
- Built-in MP3 player with remote control for USB, SD/MMC card reader.
- TZA-2000DP is ideal for medium sized installations such as in places of worship where two separate groups of speakers are needed to be connected.
- User has a choice to connect both the zones to 100V (LMT) type speakers, or 100V speakers to one zone and low impedance type speakers to the other zone. Both the zones can also be connected to low impedance type speakers.
- Easy accessibility of DC fuses fitted on rear panel.
- Instant transfer to DC power (Car Battery) if AC power fails.

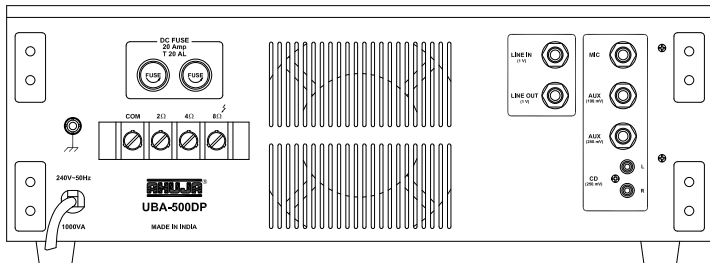
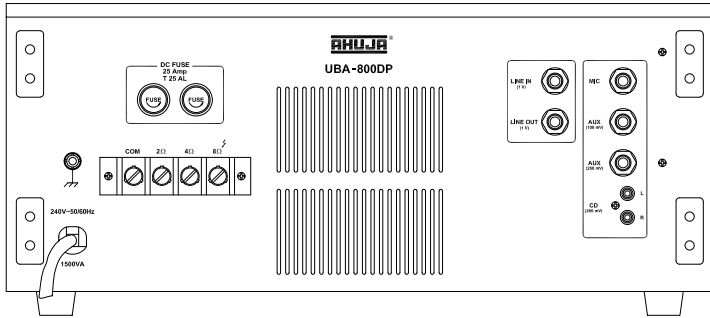


## TZA-1500®DP

160 WATTS ■ AC & 12V DC Operation

- 6 Mic, 2 Aux Inputs.
- Built-in MP3 player with remote control for USB, SD/MMC card reader.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- TZA-1500DP is ideal for medium sized installations such as in places of worship where two separate groups of speakers are needed to be connected.
- User has a choice to connect both the zones to 100V (LMT) type speakers, or 100V speakers to one zone and low impedance type speakers to the other zone. Both the zones can also be connected to low impedance type speakers.
- Instant transfer to DC power (Car Battery) if AC power fails.

SPECIFICATIONS	TZA-2000®DP	TZA-1500®DP
POWER OUTPUT	130W + 130W Max., 100W + 100W RMS at 10% THD 90W + 90W RMS at 5% THD, 80W + 80W RMS at 2% THD	100W + 100W Max., 80W + 80W RMS at 10% THD 70W + 70W RMS at 5% THD, 60W + 60W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	Mono: 6 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470kΩ Stereo: L/R 250mV/47kΩ	6 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ —
FREQUENCY RESPONSE	50-15,000Hz ±3dB	65-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
OUTPUT	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUT	4Ω, 8Ω, 70V & 100V for each zone	4Ω, 8Ω, 70V & 100V
DIGITAL PLAYER	MP3 Player with USB, SD and MMC Card Reader	MP3 Player with USB, SD and MMC Card Reader
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 12V (12V Car Battery)
POWER CONSUMPTION	AC: 420VA DC: 6.5A	AC: 300VA DC: 6A
DIMENSIONS	W500 × H140 × D345 mm	W460 × H155 × D310 mm
WEIGHT	17.50kg	14.50kg



## UBA-800DP

800 WATTS ■ AC Operation

- Designed for use in a wide variety of PA applications and DJ performances.
- Built-in MP3 player with remote control for USB, SD/MMC card reader and Bluetooth facility.
- UBA-800 is a 800 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- Bass and Treble controls provided for precise and accurate tonal setting of the programme.
- Line Input and Line Output have been provided to enable interconnections with other power amplifiers.
- Circuit Protector Device has been provided which safeguards the amplifier against overload and short circuit.
- The amplifier has built-in protection against over voltage in AC mains supply which is specially useful while operating on a Genset.
- Indicator LEDs for Power, Signal, Temp, Overload and Fault conditions have been provided.
- 2Ω speaker matching provided in addition to 4 & 8Ω.

## UBA-500DP

500 WATTS ■ AC Operation

- Designed for use in a wide variety of PA applications and DJ performances.
- Built-in MP3 player with remote control for USB, SD/MMC card reader and Bluetooth facility.
- UBA-500DP is a 500 Watts amplifier which can be connected to various input sources like a Microphone, PA Mixer, DJ Mixer, CD Player, Cassette Player, Keyboard etc.
- Bass and Treble controls provided for precise and accurate tonal setting of the programme.
- All other features are similar to UBA-800DP.

SPECIFICATIONS	UBA-800DP	UBA-500DP
POWER OUTPUT	1150W RMS Max., 800W RMS at 10%THD 770W RMS at 5% THD 725W RMS at 2% THD	650W RMS Max., 500W RMS at 10%THD 475W RMS at 5% THD 450W RMS at 2% THD
OUTPUT REGULATION	≤ 2dB, no load to full load at 1kHz	≤ 2dB, no load to full load at 1kHz
INPUT CHANNELS	1 × Mic 1mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ, 1 × Aux 250mV / 20kΩ 1 × CD 250mV / 20kΩ, 1 × Line 1V / 20kΩ	1 × Mic 1mV / 4.7kΩ, 1 × Aux 100mV / 470kΩ, 1 × Aux 250mV / 20kΩ 1 × CD 250mV / 20kΩ, 1 × Line 1V / 20kΩ
FREQUENCY RESPONSE	50Hz – 18,000Hz ±3dB	50Hz – 18,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass (100Hz) : ± 8dB Treble (10kHz) : ± 8dB	Bass (100Hz) : ± 8dB Treble (10kHz) : ± 8dB
LINE OUTPUT	1V/1kΩ	1V/1kΩ
SPEAKER OUTPUT	2Ω, 4Ω & 8Ω	2Ω, 4Ω & 8Ω
DIGITAL PLAYER	MP3 Player with USB, SD, MMC Card Reader & Bluetooth	MP3 Player with USB, SD and MMC Card Reader & Bluetooth
POWER SUPPLY	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz
PROTECTIONS	2 × 25 Amp fuse in ± DC supply 8 Amp circuit breaker in AC mains Protected against high AC mains voltage, overload & temperature	2 × 20 Amp fuse in ± DC supply 5 Amp circuit breaker in AC mains Protected against high AC mains voltage, overload & temperature
POWER CONSUMPTION	1500 VA	1000 VA
DIMENSIONS	W482 × H186 × D512 mm	W482 × H166 × D435 mm
WEIGHT	33.10kg	22.60kg



# PA Amplifiers with Built-in Digital Player



## SSA-5000DP

500 WATTS ■ AC & 36V DC Operation

- 7 Mic & 2 Aux Inputs. With Built-in MP3 player.
- Preamplifier and Line Output for connecting to a Booster Amplifier.
- Line Input for connecting the output from any external mixer or another amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.



## SSA-250®DP

250 WATTS ■ AC & 24V DC Operation

- 6 Mic & 2 Aux Inputs. With Built-in MP3 player.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or another Amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.



## SSA-160®DP

160 WATTS ■ AC & 24V DC Operation

- 5 Mic & 2 Aux Inputs. With Built-in MP3 player.
- Preamplifier and Line Output for connecting to a Booster Amplifier and for recording the programme.
- Line Input for connecting the output from any external mixer or another Amplifier.
- Resettable circuit breaker for protection against overload and short circuit.
- Instant transfer to DC power (Car Battery) if AC power fails.
- Box Speaker/Driver Unit selector switch. Bass boost defeated at Driver Unit position for safer operation of driver units.
- 5 LED array for output level monitoring.

SPECIFICATIONS	SSA-5000DP	SSA-250®DP	SSA-160®DP
POWER OUTPUT	750W Max., 500W RMS at 10% THD 450W RMS at 5% THD, 415W RMS at 2% THD	300W Max., 250W RMS at 10% THD 220W RMS at 5% THD, 200W RMS at 2% THD	220W Max., 160W RMS at 10% THD 140W RMS at 5% THD, 120W RMS at 2% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	7 × Mic 0.8mV/4.7kΩ, 2 × Aux 100mV/470 kΩ, 1 × CD 200mV/50 kΩ, 1 × Line 1V/50kΩ	6 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ, 1 × Line 1V/50kΩ	5 × Mic 0.65mV/4.7kΩ, 2 × Aux 100mV/470 kΩ 1 × Line 1V/50kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB	50-15,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB	60dB
TONE CONTROLS	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUT	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω, Line 1V/1kΩ
SPEAKER OUTPUT	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V	4Ω, 8Ω, 70V & 100V
DIGITAL PLAYER	MP3 Player with USB, SD and MMC Card Reader	MP3 Player with USB, SD and MMC Card Reader	MP3 Player with USB, SD and MMC Card Reader
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 36V (3 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz, DC: 24V (2 × 12V Car Battery)
POWER CONSUMPTION	AC: 1000VA DC: 8A	AC: 460VA DC: 6A	AC: 300VA DC: 4A
DIMENSIONS	W510 × H172 × D385 mm	W450 × H160 × D340 mm	W426 × H155 × D325 mm
WEIGHT	27.00kg	16.00kg	13.30kg



## SSB-120®DP

120 WATTS ■ AC & 12V DC Operation

- 5 Mic & 2 Aux Inputs.
- Built-in MP3 player with remote control for USB, SD/MMC card reader and Bluetooth.
- Line output for connecting to a Booster Amplifier and Preamplifier Output for recording the programme.
- Cut and Boost type Bass & Treble controls.
- Instant transfer to DC power (Car Battery) if AC power fails.
- 5 LED array for output level monitoring.



## SSB-80®DFM

80 WATTS ■ AC & 12V DC Operation

- 3 Mic & 1 Aux Inputs.
- Built-in MP3 player with remote control for USB, SD/MMC card reader, Bluetooth and FM.
- Preamplifier Output for connecting to a Booster Amplifier and for recording the programme.
- Cut & Boost type Bass & Treble controls.
- Instant transfer to DC power (Car Battery) if AC power fails.



## 5050-DP

50+50 WATTS ■ AC Operation

- 2 Mic & 1 Aux Inputs.
- Built-in MP3 player with remote control for USB, SD/MMC card reader.
- Preamp output for connecting to another Amplifier and for recording the programme.
- Headphone output for monitoring the programmes.
- Cut and Boost type Bass & Treble controls.
- Dual 5 LED array for output level monitoring.

SPECIFICATIONS	SSB-120®DP	SSB-80®DFM	5050-DP
POWER OUTPUT	160W Max., 120W RMS at 10% THD 105W RMS at 5% THD, 95W RMS at 2% THD	110W Max., 80W RMS at 10% THD 75W RMS at 5% THD, 60W RMS at 2% THD	50W + 50W Max., 40W + 40W RMS at 10% THD 35W + 35W RMS at 1% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	5 × Mic 0.65mV/4.7kΩ 2 × Aux 100mV/470 kΩ	3 × Mic 1.0mV/4.7kΩ 1 × Aux 100mV/470 kΩ	2 × Mic 0.65mV/4.7kΩ 1 × Aux 100mV/330kΩ, CDL&R:200mV/300kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	65-15,000Hz ±3dB	20-20,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB	60dB
TONE CONTROLS	Bass: ±8dB at 100Hz, Treble: ±8dB at 10kHz	Bass: ±8dB at 100Hz, Treble: ±8dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz
OUTPUTS	Preamp 200mV/600Ω, Line 1V/1kΩ	Preamp 200mV/600Ω	Preamp 200mV/600Ω
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω, 70V & 100V	4Ω, 8Ω, 16Ω, 70V & 100V	4Ω to 16Ω (8Ω recommended)
DIGITAL PLAYER	MP3 Player with USB, SD & MMC Card Reader, Bluetooth	MP3 Player with USB, SD & MMC Card Reader, Bluetooth & FM	MP3 Player with USB, SD & MMC Card Reader
POWER SUPPLY	AC: 220-240V 50/60Hz, DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz, DC: 12V (12V Car Battery)	AC: 220-240V 50/60Hz
POWER CONSUMPTION	AC: 300VA DC: 4A	AC: 180VA DC: 3A	AC: 150VA
DIMENSIONS	W426 × H155 × D325 mm	W355 × H133 × D285 mm	W365 × H125 × D295 mm
WEIGHT	13.30kg	8.43kg	6.40kg

# PA Amplifiers with Built-in Digital Player



## DPA-770

75 WATTS ■ AC & 12V DC Operation

- 4 Mic & 1 Aux Input.
- Built-in MP3 player with USB reader and remote control.
- Line Output for connecting to a Booster Amplifier.
- Cut and Boost type Bass & Treble controls.
- Instant transfer to DC Power (Car Battery) if AC power fails.
- 5 LED array for output level monitoring.



## DPA-570

50 WATTS ■ AC & 12V DC Operation

- 3 Mic & 1 Aux Input.
- Built-in MP3 player with USB reader and remote control.
- Line Output for connecting to a Booster Amplifier.
- Cut and Boost type Bass & Treble controls.
- Instant transfer to DC Power (Car Battery) if AC power fails.



## DPA-370

30 WATTS ■ AC & 12V DC Operation

- 2 Mic & 1 Aux Input.
- Built-in MP3 player with USB reader and remote control.
- Line Output for connecting to a Booster Amplifier.
- Cut type tone control.
- Instant transfer to DC Power (Car Battery) if AC power fails.



SPECIFICATIONS	DPA-770	DPA-570	DPA-370
POWER OUTPUT	100W Max., 75W RMS at 10% THD 70W RMS at 5% THD	75W Max., 50W RMS at 10% THD 45W RMS at 5% THD	37W Max., 30W RMS at 10% THD 27W RMS at 5% THD
OUTPUT REGULATION	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz	≤ 2 dB, no load to full load at 1kHz
INPUT CHANNELS	4 × Mic. 0.6mV/4.7kΩ 1 × Aux 100mV/330kΩ	3 × Mic 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ	2 × Mic. 0.5mV/2.5kΩ, 1 × Aux 50mV/330kΩ
FREQUENCY RESPONSE	50-15,000Hz ±3dB	50-15,000Hz ±3dB	100-12,000Hz ±3dB
SIGNAL TO NOISE RATIO	55dB	55dB	58dB
TONE CONTROLS	Bass: -10dB +7dB at 100Hz Treble: -10dB +7dB at 10kHz	Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz	Tone: -10dB at 10kHz —
OUTPUTS	Line: 1V/3.5kΩ	Line: 400mV/3.5kΩ	Line: 250mV/3.5kΩ
SPEAKER OUTPUTS	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω, 16Ω & 100V	4Ω, 8Ω, 16Ω & 100V
DIGITAL PLAYER	MP3 Player with USB Reader	MP3 Player with USB reader	MP3 Player with USB reader
POWER SUPPLY	AC: 220-240V 50/60Hz DC: 12-14V Car Battery	AC: 220-240V 50/60Hz DC: 12-14V Car Battery)	AC: 220-240V 50/60Hz DC: 12-14V Car Battery
POWER CONSUMPTION	AC: 140VA DC: 3A	AC: 90VA DC: 3.1A	AC: 70VA DC: 2.7A
DIMENSIONS	W385 × H125 × D300 mm	W305 × H120 × D305 mm	W230 × H95 × D285 mm
WEIGHT	8.80kg	7.00kg	4.50kg

# Paging Systems

Paging Systems are used to address, inform and alert people in public areas as well as inside buildings. Zonal Paging Systems are specially useful as they allow announcements to be made in selected areas only.

AHUJA Zonal Paging Systems are a set of reliable, sophisticated, user-friendly products, designed with many innovative safety and convenience features for a wide range of applications.



Shopping Malls | Schools & Colleges

Hotels | Multistorey Buildings

Offices | Factories | Railway Stations

Airports | Hospitals



## APM-201RM Remote Paging Microphone



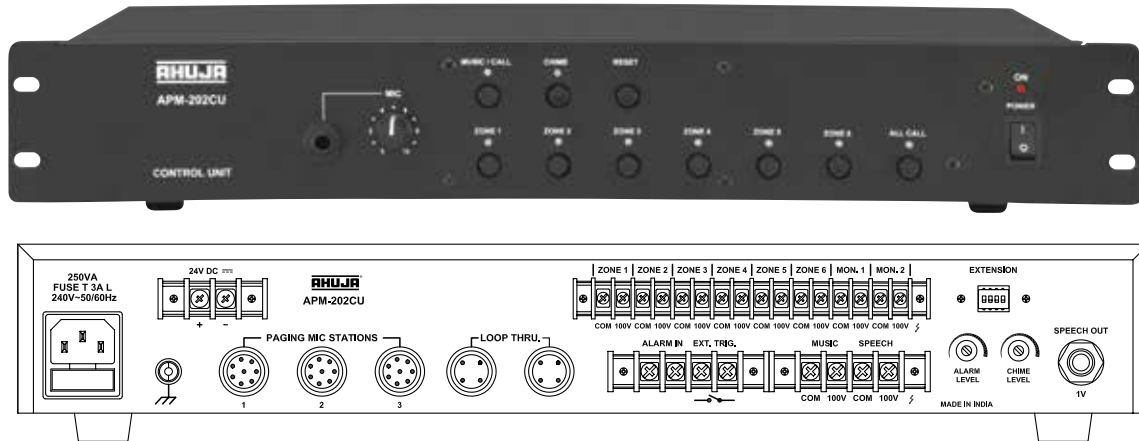
A high performance 12 zone paging console housed in an elegant aluminium housing. It works with APM-202CU to make a 6 or 12 zone zonal paging system.

- 12 Zone Paging Mic Console with a 16" (40 cm) gooseneck.
- 12 Zone Selector Switches, plus ALL CALL switch
- Separate Mic ON/OFF switch.
- LED indication of zone selection.
- RESET switch to reset all zone selections.
- Group selection facility.
- Built in chime circuit.
- Chime & Mic level controls.
- Secure 8 pin lockable connectors.
- Can be used with one APM-202CU to make a 6 zone paging system, or with two nos APM-202CU to make a 12 zone paging system.
- Operates on 24V DC supply from APM-202CU.

### SPECIFICATIONS

OUTPUT LEVEL	1V Balanced (nominal).
SWITCHES	12 Zone Selectors, All Call, Chime, Group 1, Group 2, Mic ON/OFF, Reset
CONTROLS	Mic level, chime level
POWER SUPPLY	DC 24V (from APM-202CU)
DIMENSIONS	W285 × H530 × D160 mm
WEIGHT	1.60kg

## APM-202CU Control Unit



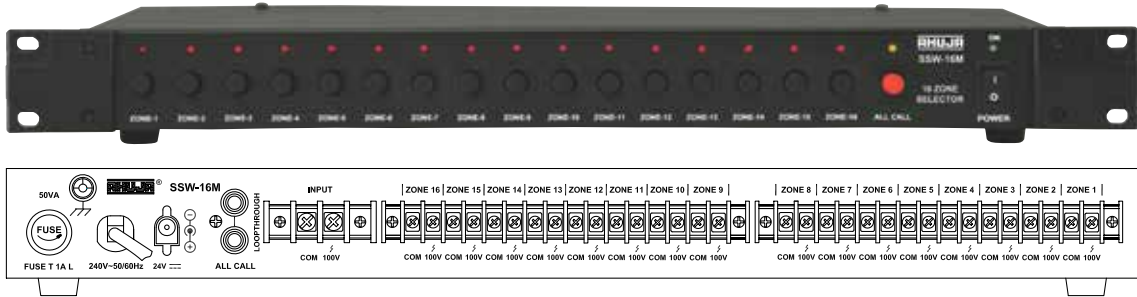
- APM-202CU is a rack mounting switcher / control unit which works with APM-201RM and upto 2 amplifiers to form a 6 zone paging system with multi level priority and switchable background music.
- 6 Zone Switcher / Paging Control Unit for use with APM-201RM.
- 6 Zone Selector switches, plus ALL CALL switch.
- Provision for two 100V input signals, one for speech and one for background music.
- Priority of speech over background music.
- Provision for routing background music source to selected zones.
- Provision to make announcements from the control unit.
- Status monitoring of all zones.
- Provision for emergency trigger input and alarm input with highest priority.
- Standard 19" rack mounting chassis.

### SPECIFICATIONS

SWITCHING SIGNAL LEVEL	100V (Nominal)
INPUTS (Nominal)	3 x APM-201RM (1V/10k balanced), 1 x Mic (1mV/4.7k), Speech Amp (100V), Music Amp (100V), Alarm (100mV).
SWITCHES	6 Zone Selector switches, All Call, Chime, Reset, Music/Call Selector, Power ON/OFF.
CONTROLS	Mic Level, Chime level, Alarm level
POWER SUPPLY	AC 220-240V, 50/60Hz; DC 24V (2 x 12V Car Battery)
DIMENSIONS	W483 × H75 × D300 mm
WEIGHT	4.80kg



## SSW-16M 16 Channel Zone Selector



Compact and reliable manual zone selector with provision for switching a 100V audio signal to one or more of upto 16 zones.

- 1 x 100V Input, 16 x 100V Outputs, Manually Switchable.
- When multiple units of SSW-16M are used, ALL CALL activation is possible from any one SSW-16M, by using LOOP THROUGH facility.
- Built in relay for ALL CALL.
- LED indication of selected zones.

### SPECIFICATIONS

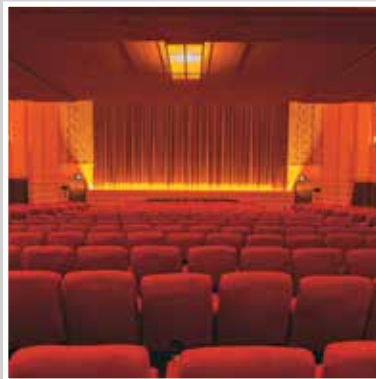
INPUT	1 x 100V (nominal)
OUTPUTS	16 x 100V (nominal)
SWITCHES	16 Zone Selector switches, plus ALL CALL, Power ON/OFF.
POWER SUPPLY	AC 220-240V, 50/60Hz ; DC 24V (2 x 12V Car Battery)
DIMENSIONS	W483 × H53 × D180 mm
WEIGHT	2.73kg

# Mixers & Processors

Sophisticated & feature packed !

AHUJA mixers enable effortless management of multi-microphone installations under the most demanding of conditions.

AHUJA provides a wide range of mixers - ranging from small, portable units for field use, to large table top models designed for very large music programmes.



Concerts | Auditoriums

Live Shows | DJs



# PA Audio Mixing Consoles - Stereo

## PMX-1632FX AC Operation

With Digital Effects, 48V Phantom Supply on 4 Channels.



16 CHANNEL

## PMX-1032FX AC Operation

With Digital Effects, 48V Phantom Supply on 4 Channels.



10 CHANNEL

## PMX-1032DFX AC Operation

With Built-in MP3 Player, Digital Effects, 48V Phantom Supply on 4 Channels.



10 CHANNEL

- Rugged, stable, high quality analog mixers with user-friendly construction & aesthetically designed side panels.
- PMX-1632FX has 12 MIC/LINE Balanced Mono input channels and 2 STEREO Balanced input channels.
- PMX-1032FX has 8 MIC/LINE Balanced Mono input channels and 1 STEREO Balanced input channel.
- PMX-1032DFX has 8 MIC/LINE Balanced Mono input channels and 1 STEREO Balanced LINE/USB input channel.
- MIC/LINE Balanced Mono inputs with enhanced headroom.
- All MIC inputs are through 3 pin F/XLR connectors and all LINE & STEREO inputs are through 6.3mm (1/4") stereo phone jack sockets.
- Four MIC inputs (MIC-1 to MIC-4) are available with 48V phantom supply which can be switched ON/OFF through a common switch.
- STEREO Balanced input in two selectable sensitivities of -10dBu & +4dBu.
- Separate EFFECT channel is provided for operating the built-in digital effect processor through a delay selector switch (only in PMX-1632FX & PMX-1032FX) and delay, repeat and level controls.
- Each MIC/LINE channel has a GAIN control, 3 band active Equalizer controls, a Pre-fader AUX1 control, a Post-fader AUX2 /EFX control & a PAN control.
- Each STEREO channel has a GAIN control, 2 band active Equalizer controls, AUX1 Pre fader control, AUX2/EFX Post fader control and a BALANCE control.
- Channel ON/OFF switch provided on each individual channel. Peak LED for signal clipping indication.
- High precision 60mm slide fader on each channel.
- Balanced Left & Right Line outputs through M/XLR connectors as well as 6.3mm (1/4") stereo phone jack sockets.
- Easy and accurate monitoring of Left & Right output levels through individual 12 segment LED array.
- Two AUX SEND outputs with level controls: one each for monitoring and effects processing applications.
- Two stereo AUX RETURN balanced inputs with level controls.
- Headphone output with Level Control for output monitoring.
- Stereo RCA IN/OUT for record and playback.
- Operates on 240V 50Hz AC mains.

### SPECIFICATIONS

MIC INPUT		HEADPHONE OUTPUT	: 200mV at 8Ω, THD <1%
Impedance/Gain	: 2kΩ Balanced/65dB	MAXIMUM GAIN	
LINE INPUT		Mic Input to Line Outputs	: 78dB
Impedance/Gain	: 20kΩ Balanced/45dB	Line Input to Line Outputs	: 58dB
STEREO INPUT (L/Mono & R)		Stereo Input to Line Outputs	: 28dB (-10dBu Input)
Impedance/Gain (-10dBu Input)	: 10kΩ Balanced/14dB		14dB (+4dBu Input)
Impedance/Gain (+4dBu Input)	: 10kΩ Balanced/0dB	AUX Send (Pre)	: 1.4V/100Ω Unbalanced
THD	: <0.08%	AUX Send (Post)	: 2.7V/100Ω Unbalanced
FREQUENCY RESPONSE	: 25Hz - 20kHz (+0, -1dB)	AUX Return (L&R)	: 150mV/10kΩ Balanced
EQUALIZATION		Record Output (L&R)	: 250mV/600Ω
Bass/Mid/Treble	: ±12dB at 100Hz/2kHz/10kHz	Playback Input (L&R)	: 250mV/1kΩ (variable through GAIN control)
CLIP LED INDICATION	: 4 dB prior to true clip	SIGNAL TO NOISE RATIO	: >70dB
LINE OUTPUT		POWER SUPPLY	: AC: 220-240V, 50Hz
Nominal/Max Level	: 4dBu/21dBu (1.22V/9V)	DIMENSIONS (PMX-1632FX)	: W609 × H110 × D435 mm
IMPEDANCE	: 600Ω	DIMENSIONS (PMX-1032FX)	: W465 × H110 × D435 mm
DELAY SYSTEM	: Digital Signal Processing	DIMENSIONS (PMX-1032DFX)	: W465 × H110 × D435 mm
DELAY RANGE SETTINGS	: 1: 60-300ms, 2: 300-500ms, 3: 500-650ms	WEIGHT (PMX-1632FX)	: 9.80kg
	Variable from 30 to 400ms (only in PMX-1032DFX)	WEIGHT (PMX-1032FX)	: 7.70kg
DIGITAL PLAYER	: MP3 Player with USB, SD and MMC Card Reader	WEIGHT (PMX-1032DFX)	: 7.70kg



14 CHANNEL

## AMX-1412

### AC & 24V DC Operation

- **Input Channels :** Each Channel has separate 6.3mm (1/4") balanced phone jack for Mic & Line which accepts both balanced & unbalanced signals.
- **AUX Control :** This controls the level of the channel in the final mix to Aux Send output.
- **AUX Send & AUX Return :** These have been provided for sending the pre-fader output of channels for monitoring or for adding a Special Effects Unit.
- **MONO/STEREO Output :** Mono output is available from either Left & Right output jacks when the switch is in 'Mono' position.
- Each channel has GAIN, BASS, MID, TREBLE, ECHO, PAN and slide LEVEL controls with CLIP LED indicator.
- Echo section provided with Delay, Repeat & Level controls.
- Stereo RCA IN/OUT for record and playback.
- Headphone output with Level Control for output monitoring.



8 CHANNEL

## AMX-812

### AC & 24V DC Operation

- **Input Channels:** Each Channel has a 6.3mm (1/4") phone jack selectable for either Mic or Line input which accepts both balanced & unbalanced signals.
- **Stereo Channel:** Independent Stereo input through separate 1/4" unbalanced phone jacks for Left & Right channels.
- Each channel has GAIN, BASS, TREBLE, PAN, ECHO and LEVEL controls with Clip LED indicator.
- Echo section provided with Delay, Repeat & Level controls.
- Stereo RCA IN/OUT for record and playback.
- Headphone output with Level Control for output monitoring.

#### SPECIFICATIONS

	AMX-1412	AMX-812
POWER REQUIREMENTS	AC: 220-240V 50/60Hz, DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz, DC: 24V (2 × 12V Car Battery)
MIC INPUT (IMPEDANCE/GAIN)	2kΩ/62dB	2kΩ/62dB
LINE INPUT (IMPEDANCE/GAIN)	20kΩ Balanced/42dB, 10kΩ Unbalanced/42dB	20kΩ Balanced/42dB, 10kΩ Unbalanced/42dB
DISTORTION	< 0.08%	< 0.08%
FREQUENCY RESPONSE	30Hz - 20kHz (+0, -1dB)	30Hz - 20kHz (+0, -1dB)
TONE CONTROLS	Bass : ± 12dB at 100Hz, Mid : ± 12dB at 2kHz Treble : ± 12dB at 10kHz	Bass : ± 12dB at 100Hz Treble : ± 12dB at 10kHz
OUTPUT	LINE OUTPUT LO -10dBu/+2dBu (200mV/1V) LINE OUTPUT HI 0dBu/+17dBu (775mV/5.5V)	0dBm/+17dBu (775mV/5.5V)
DELAY SYSTEM	Digital Signal Processing	Digital Signal Processing
SIGNAL TO NOISE RATIO	>70dB (0dBm, 0.775V)	>70dB (0dBm, 0.775V)
DIMENSIONS	W633 × H93 × D420 mm	W423 × H93 × D302 mm
WEIGHT	9.40kg	5.10kg



# PA Audio Mixing Consoles - Stereo



With built-in MP3 Player & Digital Effects

9 CHANNEL

## AMX-912DP

AC & 24V DC Operation

- Input Channels: Each Channel has separate 6.3mm (1/4") balanced phone jack for Mic & Line which accepts both balanced & unbalanced signals.
- USB Playback: Built-in MP3 Player selectable through Channel 9/USB Switch and controllable through an independent USB input volume control. Channel 9 can be used for Mic & Line inputs or USB Playback function.
- MONO/STEREO Output: Mono output is available from Left & Right output jacks when the switch is in 'Mono' position.
- Each channel has GAIN, BASS, TREBLE, ECHO, PAN and slide LEVEL controls with CLIP LED indicator.
- Echo section provided with Delay, Repeat & Level controls.
- Stereo RCA IN/OUT for record and playback.
- Headphone output with Level Control for output monitoring.



9 CHANNEL

## AMX-912

AC & 24V DC Operation

- Input Channels: Each Channel has separate 6.3mm (1/4") balanced phone jack for Mic & Line which accepts both balanced & unbalanced signals.
- MONO/STEREO Output: Mono output is available from Left & Right output jacks when the switch is in 'Mono' position.
- Each channel has GAIN, BASS, TREBLE, ECHO, PAN and slide LEVEL controls with CLIP LED indicator.
- Echo section provided with Delay, Repeat & Level controls.
- Stereo RCA IN/OUT for record and playback.
- Headphone output with Level Control for output monitoring.

SPECIFICATIONS	AMX-912DP	AMX-912
POWER REQUIREMENTS	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)	AC: 220-240V 50/60Hz DC: 24V (2 × 12V Car Battery)
MIC INPUT (IMPEDANCE/GAIN)	2kΩ/62dB	2kΩ/62dB
LINE INPUT (IMPEDANCE/GAIN)	20kΩ Balanced/42dB, 10kΩ Unbalanced/42dB	20kΩ Balanced/42dB, 10kΩ Unbalanced/42dB
DISTORTION	< 0.08%	< 0.08%
FREQUENCY RESPONSE	30Hz - 20kHz (+0, -1dB)	30Hz - 20kHz (+0, -1dB)
TONE CONTROLS	Bass : ± 12dB at 100Hz Treble : ± 12dB at 10kHz	Bass : ± 12dB at 100Hz Treble : ± 12dB at 10kHz
OUTPUT	LINE OUTPUT LO -10dBu/+2dBu (200mV/1V) LINE OUTPUT HI 0dBu/+17dBu (775mV/5.5V)	-10dBu/+2dBu (200mV/1V) 0dBu/+17dBu (775mV/5.5V)
DELAY SYSTEM	Digital Signal Processing	Digital Signal Processing
DIGITAL PLAYER	MP3 Player with USB, SD and MMC Card Reader	—
SIGNAL TO NOISE RATIO	>70dB (0dBm, 0.775V)	>70dB (0dBm, 0.775V)
DIMENSIONS	W483 × H93 × D366 mm	W483 × H93 × D366 mm
WEIGHT	6.90kg	6.90kg





With built-in MP3 Player & Digital Effects

7 CHANNEL



With built-in Digital Effects



6 CHANNEL

## AMX-70DFX

### AC Operation

#### All Purpose 7 Channel PA Mixer Preamplifier

- Each input channel has a 6.3mm (1/4") balanced phone jack for Mic/Line which accepts both balanced & unbalanced signals.
- Independent USB playback channel with BASS, TREBLE and LEVEL controls.
- Digital effects processor with Delay, Repeat & Level controls.
- Delay range selection through a selector switch.
- Each MIC/LINE channel has GAIN, BASS, TREBLE, PAN and LEVEL controls with Clip LED indicator.
- Mono output is available from both Left & Right output jacks when the switch is in 'Mono' position.
- Individual five segment LED array for monitoring left and right output levels.
- Headphone output, with volume control, for monitoring purposes.

## AMX-65FX

### AC Operation

#### Multi Purpose 6 Channel PA Mixer Preamplifier

- Each input channel has a 6.3mm (1/4") balanced phone jack for Mic/Line which accepts both balanced & unbalanced signals.
- Digital effects processor with Delay, Repeat & Level controls.
- Each MIC/LINE channel has GAIN, BASS, TREBLE, PAN and LEVEL controls with Clip LED indicator.
- Mono output is available from both Left & Right output jacks when the switch is in 'Mono' position.
- Individual five segment LED array for monitoring left and right output levels.
- Headphone output, with volume control, for monitoring purposes.

## AMX-60

### AC Operation

#### General Purpose 6 Channel PA Mixer Preamplifier

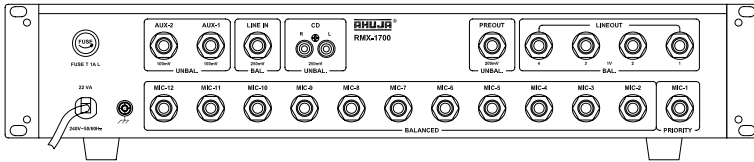
- Input Channels : Each Channel has a 6.3mm (1/4") balanced phone jack for Mic/Line which accepts both balanced & unbalanced signals.
- MONO/STEREO Output : Mono output is available from both Left & Right output jacks when the switch is in 'Mono' position.
- Each channel has GAIN, BASS, TREBLE, PAN and LEVEL controls with Clip LED indicator.
- Individual five segment LED array for monitoring left and right output levels.

SPECIFICATIONS	AMX-70DFX	AMX-65FX	AMX-60
POWER REQUIREMENTS	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz	AC: 220-240V 50/60Hz
MIC INPUT (IMP./GAIN)	2kΩ Bal./62dB, 1kΩ Unbal./62dB	2kΩ Bal./62dB, 1kΩ Unbal./62dB	2kΩ Bal./62dB, 1kΩ Unbal./62dB
LINE INPUT (IMP./GAIN)	20kΩ Bal./42dB, 10kΩ Unbal./42dB	20kΩ Bal./42dB, 10kΩ Unbal./42dB	20kΩ Bal./42dB, 10kΩ Unbal./42dB
DISTORTION	< 0.1%	< 0.1%	< 0.1%
FREQUENCY RESPONSE	20Hz-18 kHz (-1dB)	20Hz-18 kHz (-1dB)	20Hz-18 kHz (-1dB)
TONE CONTROLS	Bass: ±12dB at 100Hz, Treble: ±12dB at 10kHz	Bass: ±12dB at 100Hz, Treble: ±12dB at 10kHz	Bass: ±12dB at 100Hz, Treble: ±12dB at 10kHz
LINE OUTPUT (RATED/MAX)	0dBu/+18dBu (775mV/6.5V)	0dBu/+18dBu (775mV/6.5V)	0dBu/+18dBu (775mV/6.5V)
HEADPHONE OUTPUT	200mV at 8Ω (<1%)	200mV at 8Ω (<1%)	—
DELAY SYSTEM	Digital Signal Processing	Digital Signal Processing	—
DELAY RANGE SETTINGS	1: 60-300ms, 2: 300-500ms, 3: 500-650ms	Variable from 30 to 400ms	—
SIGNAL TO NOISE RATIO	> 68dB	> 68dB	> 68dB
DIMENSIONS	W345 × H75 × D205 mm	W310 × H75 × D205 mm	W295 X H70 X D180mm
WEIGHT	3.10kg	2.60kg	2.30kg





## General Purpose 17 Channel Rack Mounting Preamplifier



## RMX-1700 AC Operation

- Professional multi-purpose mixer in standard 19" rack mountable chassis, suitable for a variety of applications in installations and general PA.
- 12 Balanced Mic inputs with 2 Aux and 1 Line. Each channel uses 6.3mm (1/4") balanced phone jack and accepts both balanced and unbalanced signals.
- MIC-1 has priority over all other inputs.
- Dual RCA plugs provided for CD stereo input.
- Independent USB play back channel.
- Active Bass, Treble & Master level control provided.
- Pre amp output for recording purpose provided through 6.3mm (1/4") Jack.
- 4 × balanced Line outputs through 6.3mm (1/4") to connect number of amplifiers or boosters provided.
- Headphone output for monitoring purpose.

### SPECIFICATIONS

POWER REQUIREMENT	AC: 220-240V 50/60Hz
OUTPUTS	1 × Preamp 200mV/600Ω, 4 × Line 1V/1kΩ, 1 × Headphone 200mV@ 8Ω
FREQUENCY RESPONSE	20-20,000Hz (±1dB)
DISTORTION	< 1%
SIGNAL TO NOISE RATIO	60dB
INPUT CHANNELS	12 × Mic 0.85mV/2kΩ (bal.), 2 × Aux 100mV/220kΩ (unbal.), 1 × CD 250mV/20kΩ, 1 × Line 250mV/20kΩ (bal.)
DIGITAL PLAYER	MP3 Player with USB, SD and MMC card reader
TONE CONTROLS	Bass: ± 10dB at 100Hz, Treble: ± 10dB at 10kHz
DIMENSIONS	W483 × H97 × D274 mm
WEIGHT	5.60kg



## MMX-55 AC & 12V DC Operation

### Compact General Purpose 5 Channel Mixer Preamplifier

- 3 Mic/Aux inputs with individual volume controls.
- Selectable HI/LO sensitivity for AUX inputs.
- Compact and easy to use.
- Peak LED for setting distortion-free input levels.

## MX-15 AC & 12V DC Operation

### General Purpose 12 Channel PA Mixer Preamplifier

- 9 Mic inputs; each with an On/Off switch and LED indicator.
- 3 Mic/Aux inputs.
- Master control for overall adjustment.
- 4 Line outputs for connecting a number of Amplifiers or Boosters. Headphone output for monitoring.
- Active Bass and Treble tone controls.

### SPECIFICATIONS

	MMX-55
POWER REQUIREMENT	AC: 220-240V 50/60Hz, DC: 12V (1 × 12V Car Battery)
OUTPUTS	1 × Preamp 200mV/600Ω
FREQUENCY RESPONSE	20-20,000Hz (±3dB)
DISTORTION	< 1%
SIGNAL TO NOISE RATIO	40dB
INPUT CHANNELS	5 × Mic 0.6mV/4.7kΩ, 5 × Aux LO 50mV/470kΩ; Aux HI 150mV/470kΩ (Mic/Aux LO/ Aux HI switchable)
TONE CONTROLS	—
DIMENSIONS	W215 × H60 × D125 mm
WEIGHT	1.20kg

### SPECIFICATIONS

	MX-15
POWER REQUIREMENT	AC: 220-240V 50/60Hz, DC: 12V (1 × 12V Car Battery)
OUTPUTS	2 × Preamp 200mV/600Ω, 4 × Line 1V/1kΩ, 1 × Headphone 120mV@ 8Ω
FREQUENCY RESPONSE	20-20,000Hz (±3dB)
DISTORTION	< 1%
SIGNAL TO NOISE RATIO	50dB
INPUT CHANNELS	12 × Mic 0.6mV/4.7kΩ, 2 × Aux 100mV/470kΩ, 1 × Aux 500mV/100kΩ
TONE CONTROLS	Bass: ± 10dB at 100Hz, Treble: ± 10dB at 10kHz
DIMENSIONS	W355 × H145 × D215 mm
WEIGHT	3.70kg



## ADJ-300

### AC Operation

- Rugged, reliable and easy to operate 3-channel DJ mixer.
- Three MIC inputs alternate to three stereo LINE/CD inputs.
- MIC-1 is balanced XLR input with TALKOVER priority.
- Each channel has a GAIN control, 3 band active EQ, MIC-LINE selector switch, CUE ON/OFF switch and channel fader control.
- Ultra smooth slide control for CROSSFADER function.
- Slide switch for selecting the desired crossfade curve i.e. Flat or Steep.
- Master, Booth and Rec stereo outputs through RCA socket.
- Mono Subwoofer output with two frequencies of 120 & 180Hz.
- Stereo headphone output with CUE volume control.
- CUE MIX switch for selecting between BLEND & SPLIT function.
- Independent controls for MASTER, BOOTH, SUB and CUE outputs.
- Individual 12 segment LED array for indicating L & R output levels.

### SPECIFICATIONS

MIC INPUTS	2mV/4.7k $\Omega$
LINE INPUTS (L & R)	100mV/10k $\Omega$
DISTORTION	< 0.08%
FREQUENCY RESPONSE	20Hz - 22kHz (-3dB)
TONE CONTROLS	Bass : -30dB / +15dB at 100Hz, Mid : -30dB / +15dB at 1kHz, Treble : -30dB / +15dB at 10kHz
OUTPUTS (NOMINAL)	MASTER: 1V (BAL), BOOTH: 1V (UNBAL), RECORD: 500mV (UNBAL), SUBOUT (Mono): 1V (BAL), Headphones: 200mV@ 8 $\Omega$
SUB CROSSOVER FREQUENCIES	120Hz and 180Hz (Selectable)
SIGNAL TO NOISE RATIO	>80dB
CROSSTALK	< 65dB
TALKOVER	-15dB attenuation
POWER REQUIREMENTS	AC: 220-240V 50/60Hz
DIMENSIONS	W260 × H125 × D310 mm
WEIGHT	4.35kg

## PA Effect Processors



## DMX-44

### AC & 12V DC Operation

Professional 4 Channel Mixer Preamplifier with Digital Effects Processor for Echo, Reverb, Chorus Effect

- 3 Selectable delay settings for fine adjustment.
- Compatible with Audio Mixing Consoles.
- Peak LED for setting optimum distortion free input levels.
- Echo facility on all inputs through Echo level, repeat & delay controls.



## DMX-22

### AC & 12V DC Operation

2 Channel Mixer Preamplifier for Echo, Reverb, Chorus, Effects

- Digital Signal Processing.
- Adds colour to vocal & musical instruments.
- Peak LED for setting optimum distortion free input levels.
- Echo facility on all inputs through Echo volume, repeat & delay controls.

### SPECIFICATIONS

	DMX-44	DMX-22
POWER REQUIREMENT	AC: 220-240V 50/60Hz DC: 12V	AC: 220-240V 50/60Hz DC: 12V (1 × 12V Car Battery)
OUTPUTS	Preamp: 200mV/680 $\Omega$ , Line: 775mV/1k $\Omega$	Preamp: 200mV
FREQUENCY RESPONSE	20-20,000Hz ( $\pm$ 1dB)	20-20,000Hz ( $\pm$ 3dB)
DISTORTION	< 1%	< 1%
SIGNAL TO NOISE RATIO	45dB	40dB
INPUT CHANNELS	4 × Mic 2.5mV/10k $\Omega$ , 1 × Aux 250mV/220k $\Omega$	2 × Mic 0.6mV
ECHO REVERB SYSTEM	Digital Signal Processing	Digital Signal Processing
DELAY TIME RANGE	60ms to 300ms, 300ms to 500ms, 500ms to 650ms	20ms to 600ms
DIMENSIONS	W483 × H53 × D197 mm	W215 × H60 × D125 mm
WEIGHT	2.50kg	1.20kg

## Automatic Feedback Terminator



## AFT-24F2M

### AC Operation

AFT-24F2M is a dual channel automatic feedback suppression unit. This feature packed signal processor is designed to provide fast and accurate feedback control in fixed installations as well as live shows.

- 24 digital notch filters and LED indicators for each channel.
- Electronically balanced inputs and outputs available through XLR connectors as well as 6.3mm (1/4") stereo phone sockets.
- Each channel has a MODE switch for selecting the filter width between 1/80<sup>th</sup> octave (for music applications) and 1/5<sup>th</sup> octave (for speech applications).
- Each channel has separate push switch for choosing between LIVE and SETUP mode.
- The notch filters can be defeated through BYPASS push switch which is available for each channel.
- Provision of a Lock switch on rear panel enables the user to keep its settings intact during a program.
- Four segment LED indicator and a Clip LED for each channel.

### SPECIFICATIONS

INPUT IMPEDANCE	5.6kΩ Balanced/2.7kΩ Unbalanced
MAX INPUT LINE LEVEL	+15dBu
OUTPUT IMPEDANCE	100Ω Balanced/50Ω Unbalanced
MAX OUTPUT LEVEL	+15dBu
A/D CONVERSION	24 bit
SAMPLING RATE	48kHz
SIGNAL TO NOISE RATIO	106dB
FREQUENCY RESPONSE	20-20,000Hz (-1dB)
POWER REQUIREMENT	220-240V AC 50/60Hz
DIMENSION	W483 × H45 × D200 mm
WEIGHT	2.40kg

## 2-Channel 31-Band Graphic Equalizer



## AGE-31X2

### AC Operation

High quality, professional 2-channel, 31-band graphic equalizer for accurate tuning of the frequency response, and feedback control. Highly effective for enhancing the audio experience of any sound installation. Ideal for a wide variety of PA and Pro Audio applications.

- Two independent 31 band graphic equalizers in 1/3 octave Constant Q frequency bands.
- Switchable cut/boost range of 6dB and 12dB. Low-cut filter ON/OFF switch for each channel.
- Equalizer bypass switch easily accessible on front panel.
- Input control has a gain range from -12dB to +12dB.
- Four segment LED indicator for monitoring output levels and a Clip LED for each channel.
- Accepts line level balanced inputs through XLR as well as 6.3mm (1/4") stereo phone sockets.

### SPECIFICATIONS

INPUT IMPEDANCE	40kΩ Balanced/20kΩ Unbalanced
MAX INPUT LINE LEVEL	+21dBu
OUTPUT IMPEDANCE	200Ω Balanced/100Ω Unbalanced
MAX OUTPUT LEVEL	+20dBu
SIGNAL TO NOISE RATIO	100dB
FREQUENCY RESPONSE	20-20,000Hz (-1dB)
POWER REQUIREMENT	220-240V AC 50/60Hz
DIMENSION	W483 × H90 × D180 mm
WEIGHT	3.70kg

# Microphones

Microphones are the first and most visible part in most public address systems. Outstanding sound reproduction requires outstanding microphones.

AHUJA offers a wide range of microphones: dynamic and condenser, handheld and lavalier, cabled and wireless.... an outstanding microphone for each & every application.



Public Meetings | Interviews | Recordings  
Presentations | Car Paging | Celebrations  
Mobile Announcements | Tourist Coaches  
Places of Worship



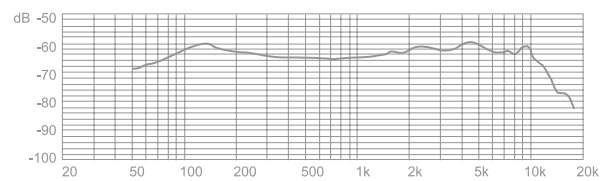
## PRO+ 7500du

### LIVE STAGE PERFORMANCE MICROPHONE

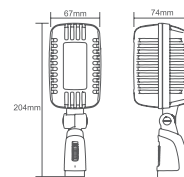


PRO+ 7500du is a most elegant and durable Live Stage Performance Microphone with TWO CARTRIDGES for good distance pick-up. High sensitivity and supercardioid pattern makes it ideal for Live Stage Performances, as well as Vocal and Choir applications.

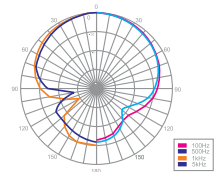
- Built-in dual high sensitivity cartridges for excellent distance pick-up.
- Cartridges are effectively shock mounted to reduce handling noises.
- Slide potentiometer for smooth and noiseless ON/OFF operation.
- Supercardioid polar pattern for obtaining higher gain before feedback.
- Unique hinge design for angle adjustment - forward 30° and backward 45°.
- Rugged zinc die-cast body in classic design.



Frequency Response Curve



Dimensions



Polar Pattern

#### SPECIFICATIONS

Mic Type	Dynamic
Polar Pattern	Super Cardioid
Impedance	1.2k $\Omega$
Frequency Response	50-15,000Hz
Sensitivity	5mV/Pa
Switch	ON/OFF Slide Potentiometer Switch

## PROFESSIONAL PERFORMANCE SERIES

### Supercardioid Dynamic Pro-Entertainment + Studio

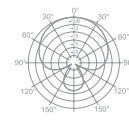
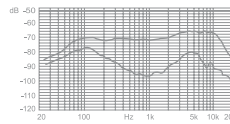


### PRO+ 3400

Premium microphone for the most demanding high end applications. Superb shock mount system of the cartridge. Noiseless magnetic reed switch. Ideal for all Vocal and PA applications.

- Frequency Response : 40-16,000Hz
- Sensitivity : 3.15mV/Pa
- Impedance : 350Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



### Supercardioid Dynamic Pro-Entertainment + Studio

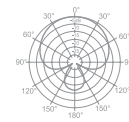
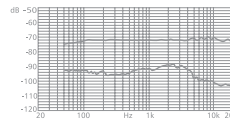


### PRO+ 3200

Professional microphone for live vocal, music instruments, studio recording & broadcasting. Superior double shock-mount system and noiseless switch. Exceptionally warm and articulate sound.

- Frequency Response : 50-18,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 300Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



### Supercardioid Dynamic Pro-Entertainment

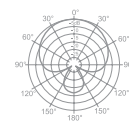
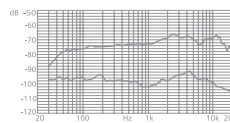


### PRO-2200SC

Great performance PA microphone for live vocal & music. Hardened grille with anti-roll rubber ring.

- Frequency Response : 50-18,000Hz
- Sensitivity : 2.1mV/Pa
- Impedance : 300Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



### Unidirectional Dynamic Stage Performance

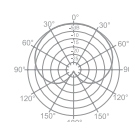
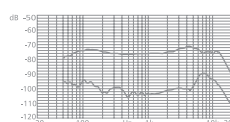


### SHM-1000XLR

Highly sensitive microphone picks up even weak sound from longer distance & wider area. Noiseless magnetic reed switch. Suitable for Dramas, Stage shows, Group singing & Church choir. Smooth frequency response.

- Frequency Response : 50-16,000Hz
- Sensitivity : 1.6mV/Pa
- Impedance : 250Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



# PA Microphones

Unidirectional Dynamic  
Vocal & Speech

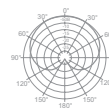
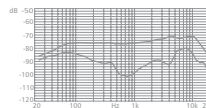


## ASM-980XLR

Rugged & reliable microphone with superb speech quality and excellent finish. Anti-roll design. Ideal for live vocals and PA applications.

- Frequency Response : 50-16,000Hz
- Sensitivity : 2.0mV/Pa
- Impedance : 300Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



Unidirectional Dynamic  
Music & Vocal

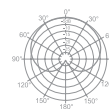
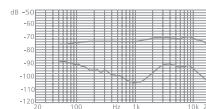


## ASM-780XLR

High output neodymium cartridge, excellent intelligibility & wide frequency response. Ideal for live vocal, music & studio applications.

- Frequency Response : 50-16,000Hz
- Sensitivity : 2mV/Pa
- Impedance : 300Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



Unidirectional Dynamic  
Speech & Vocal

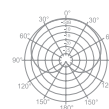
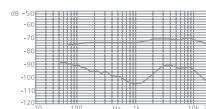


## ASM-580XLR®

Upper mid-range presence peak for intelligible sound and ideal for close-to-lip singing. Accentuates warmth and clarity.

- Frequency Response : 50-16,000Hz
- Sensitivity : 2mV/Pa
- Impedance : 300Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 10 mtrs. twin core shielded low noise cable.



## GENERAL PA SERIES

Unidirectional Dynamic  
Multi Purpose Applications

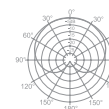
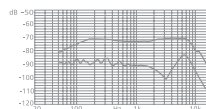


## AUD-101XLR

All purpose PA microphone reproducing intelligible, crisp and a bright sound. Suitable for multi-purpose PA installations.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.2mV/Pa
- Impedance : 500Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.



Unidirectional Dynamic  
Multi Purpose Applications

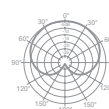
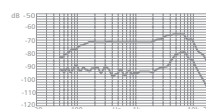


## AUD-100XLR

High Output Neodymium cartridge. Rugged and reliable PA microphone with non-reflective finish. Ideal for amateur artistes on stage. Recommended for speech and paging applications.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.





## Unidirectional Dynamic Multi Purpose Applications



## Unidirectional Dynamic PA Applications



## PROFESSIONAL ECONOMY SERIES

### Unidirectional Dynamic Music & Vocal



### Supercardioid Dynamic Music & Vocal



## Unidirectional Dynamic Multi Purpose Applications

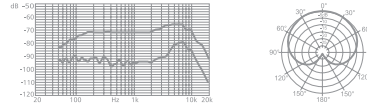


### AUD-99XLR

For general PA applications, a robust and reliable microphone. Ideal for addressing an audience.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.

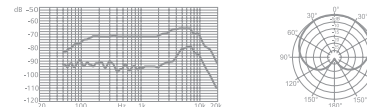


### AUD-98XLR®

High output Neodymium cartridge. Excellent intelligibility & wide frequency response. Attractive appearance.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.

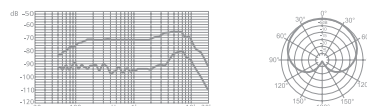


### ADM-511

Intelligible, crisp and bright sound suitable for all type of PA applications.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.0mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.



### ADM-411

Neodymium cartridge. High intelligibility. Supercardioid polar pattern provides maximum isolation from nearby vocalists.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.



### ADM-311

High output Neodymium cartridge, excellent intelligibility & wide frequency response for clean sound reproduction.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with quick detachable holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.





## GENERAL PA ECONOMY SERIES WITH BUILT-IN MIC HOLDER

### Unidirectional Dynamic All Purpose PA

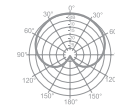
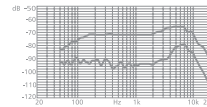


### AUD-99MS

For general PA applications, a robust and reliable microphone. Ideal for addressing an audience.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Sturdy metal holder with 3-pin professional XLR connector & 6 mtrs. twin core shielded low noise cable.



### Unidirectional Dynamic All Purpose PA

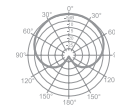
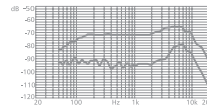


### AUD-77DX

Legendary multi-purpose microphone for general purpose PA applications like speech and music.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Sturdy metal holder with 3-pin professional XLR connector & 6 mtrs. shielded low noise cable.



### Unidirectional Dynamic All Purpose PA

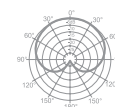
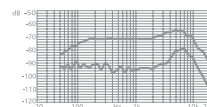


### AUD-70XLR

Robust and reliable microphone with non-reflective finish. Ideal for PA applications like speech/paging.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Sturdy metal holder with 3-pin professional XLR connector & 5 mtrs. shielded low noise cable.



### Unidirectional Dynamic All Purpose PA

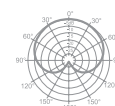
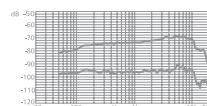


### AUD-65XLR

An economy model microphone for PA speech applications.

- Frequency Response : 100-10,000Hz
- Sensitivity : 2.0mV/Pa
- Impedance : 600Ω

Sturdy metal holder with 3-pin professional XLR connector & 5 mtrs. shielded low noise cable.



## GENERAL PA ENTRY LEVEL ECONOMY SERIES

Unidirectional Dynamic

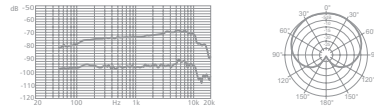


### AUD-59XLR

Attractive appearance, low cost PA microphone.

- Frequency Response : 100-10,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with 4.5 mtrs. shielded cable terminated with 3-pin XLR connector and quick detachable holder.



Unidirectional Dynamic

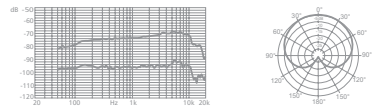


### AUD-54

A basic economy microphone for Karaoke and PA applications.

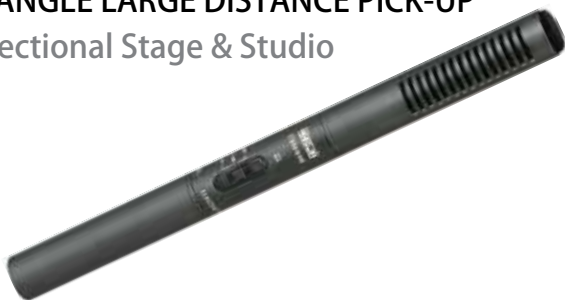
- Frequency Response : 100-10,000Hz
- Sensitivity : 2.0mV/Pa
- Impedance : 600Ω

Supplied with 3 mtrs. dedicated shielded cable with Ø6.3 mm (1/4") phone plug.



## WIDE ANGLE LARGE DISTANCE PICK-UP

Unidirectional Stage & Studio

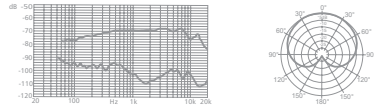


### CSM-990

Excellent for interviews, musical instruments, stage, vocal and studio recording applications.

- Frequency Response : 20-18,000Hz
- Sensitivity (switchable) : 4.5mV/ Pa, 2.2mV/Pa
- Impedance : 1000Ω
- Operates on : 1 × 1.5V (UM-3) Pencil Cell

Supplied with quick detachable holder, 10 mtrs. twin core shielded low noise cable & 3-pin XLR connector.



Unidirectional Stage & Studio

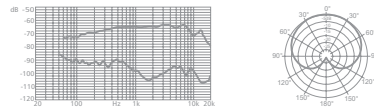


### CUM-450

Professional unidirectional highly sensitive electret condenser microphone for stage, vocal & studio recording applications.

- Frequency Response : 20-18,000Hz
- Sensitivity : 7.5mV/Pa
- Impedance : 1000Ω
- Operates on : 1 × 1.5V (UM-3) Pencil Cell

Supplied with quick detachable holder, 6 mtrs. twin core shielded low noise cable & 3-pin XLR connector.



Supercardioid Dynamic  
Music & Vocal



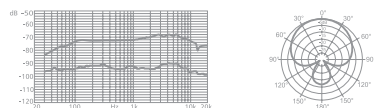
Pack of Three ADM-411

### TRINITY-411

Neodymium cartridge. High intelligibility. Supercardioid polar pattern provides maximum isolation from nearby vocalists.

- Frequency Response : 50-15,000Hz
- Sensitivity : 2.5mV/Pa
- Impedance : 600Ω

Supplied with three quick detachable holders in an attractive plastic carry case.



## TIE-CLIP SERIES

Omnidirectional Condenser



Unidirectional Condenser



## HEADBAND SERIES

Omnidirectional Condenser



Unidirectional Condenser



Unidirectional Condenser



## CTP-10DX

Miniature omnidirectional electret condenser lavalier type microphone with wide angle pick-up for lectures, interviews, religious places, recordings etc. A strong, fixed tie-clip prevents the microphone from being displaced accidentally. The cell container is provided to accommodate a single pencil cell. The cable length is 6.0 mtrs.

- Frequency Response : 100-15,000Hz
- Sensitivity : 5.0mV/Pa
- Impedance : 1000Ω
- Operates on : 1 × 1.5V (UM-3) Pencil Cell

## UTP-30

Miniature unidirectional electret condenser lavalier type microphone for lectures, interviews, religious places, recordings etc. A strong, fixed tie-clip prevents the microphone from being displaced accidentally. Also a NECK-BAND is supplied if the tie-clip is not to be used. The cell container is provided to accommodate a single pencil cell. The cable length is 6.0 mtrs.

- Frequency Response : 100-15,000Hz
- Sensitivity : 7.0mV/Pa
- Impedance : 1000Ω
- Operates on : 1 × 1.5V (UM-3) Pencil Cell

## EWM-100

Innovative, ear shaped, exceptionally sleek, ultra-light Headband Microphone for Stage Shows, Classrooms, Presentations, Discourses, Places of Worship etc.

- Omnidirectional electret condenser microphone.
- Adjustable microphone length for best position.
- External windscreen to reduce wind and pop noise.
- Terminated with Ø3.5mm mono phone plug for use with suitable bodypack transmitter of wireless microphone systems.

## HBM-50

An elegant & reliable Headband Microphone. It can be worn around the head and the microphone positioned close to the lips. This allows the speaker to have his hands free and prevents background room noises from being freely picked up by the microphone.

- Ergonomic design for comfortable and convenient use.
- Allows hands-free use and reduces pickup of stray room noises.
- Suitable for various applications such as Announcements, Teaching, Presentations, Touring etc.

## HBM-60CC

Condenser Headband Microphone supplied with 6m cable and a 1.5V cell container. Suitable for direct connection to an amplifier.

SPECIFICATIONS	EWM-100	HBM-50	HBM-60CC
FREQUENCY RESPONSE	20-20,000Hz	50-16,000Hz	50-16,000Hz
SENSITIVITY	5.6mV/Pa	5.6mV/Pa	5.6mV/Pa
NOMINAL IMPEDANCE	2000Ω	1000Ω	1000Ω
CABLE LENGTH	1.20m	1.25m	6m
OPERATING VOLTAGE	1.5V - 12V DC	1.5V - 9V DC	1.5V

## AWM-700U2 Dual PA UHF Wireless Microphone



- Elegant & affordable high performance dual channel UHF wireless microphone available in different frequencies.
- Sturdy table-top dual channel receiver with frequency display.
- Separate volume control for both channels on the front panel of the receiver.
- Two handheld dynamic transmitters, each operating on 2 × 1.5V AA pencil cells.
- Separate balanced audio output from each channel through XLR connector and an unbalanced mixed output through 6.3mm (1/4") jack socket available from the receiver.
- Receiver operates on 12V DC through an AC adaptor supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
FREQUENCY STABILITY	±0.005%
MODULATION MODE	FM
MICROPHONE ELEMENT	Dynamic, Cardioid
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	3V (2 × 1.5V AA Pencil Cells)
CURRENT CONSUMPTION	≤ 150mA
CONTROLS	Microphone ON/OFF switch
INDICATION	Channel Frequency Display
DIMENSIONS	Ø55 (L 250) mm
WEIGHT	220g (w/o battery)

SPECIFICATIONS	RECEIVER
AUDIO OUTPUT	Bal. 0dBu, Unbal. -10dBu
S/N RATIO	100dB
DISTORTION	≤1%
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	220V-240V AC 50Hz for AC Adaptor (supplied alongwith)
CONTROLS	ON/OFF Switch, Volume Controls for Channel A & B
INDICATIONS	LEDs for RF & Audio Signal, Channel Frequency Display
DIMENSIONS	W210 × H47 × D165 mm
WEIGHT	420g

## AWM-700UH PA UHF Wireless Microphone



- Elegant & affordable high performance single channel UHF wireless microphone available in different frequencies.
- Sturdy table-top receiver with frequency display.
- Volume control knob on the front panel of the receiver.
- One handheld dynamic transmitter, operating on 2 × 1.5V AA pencil cells.
- Separate balanced output through XLR connector and an unbalanced output through 6.3mm (1/4") jack socket is available from the receiver.
- Receiver operates on 12V DC through an AC adaptor supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
FREQUENCY STABILITY	±0.005%
MODULATION MODE	FM
MICROPHONE ELEMENT	Dynamic, Cardioid
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	3V (2 × 1.5V AA Pencil Cells)
CURRENT CONSUMPTION	≤ 150mA
CONTROLS	Microphone ON/OFF switch
INDICATION	Channel Frequency Display
DIMENSIONS	Ø55 (L 250) mm
WEIGHT	220g (w/o battery)

SPECIFICATIONS	RECEIVER
AUDIO OUTPUT	Bal. 0dBu, Unbal. -10dBu
S/N RATIO	100dB
DISTORTION	≤1%
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	220V-240V AC 50Hz from AC Adaptor (supplied alongwith)
CONTROLS	ON/OFF Switch, Volume Control
INDICATIONS	LEDs for RF & Audio Signal, Channel Frequency Display
DIMENSIONS	W210 × H47 × D165 mm
WEIGHT	380g





# Professional UHF/ VHF Wireless PA Microphones

## ABW-400UH PA UHF Wireless Microphone



- Attractive and versatile high performance single channel UHF wireless microphone available in different frequencies.
- Bodypack receiver has built-in 6.3mm (1/4") jack plug which provides unbalanced audio output.
- Volume control knob with RF & POWER LED on the front side of the receiver.
- One handheld dynamic transmitter, operating on 2 × 1.5V AA pencil cells.
- Receiver has a three position slide switch for ON/STANDBY/ OFF position and operates on 2 × 1.5V AA pencil cells.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
FREQUENCY STABILITY	±0.005%
MODULATION MODE	FM
MICROPHONE ELEMENT	Dynamic, Cardioid
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	3V (2 × 1.5V AA Pencil Cells)
CURRENT CONSUMPTION	≤ 150mA
CONTROLS	Microphone ON/OFF switch
INDICATION	LED for microphone ON
DIMENSIONS	∅55 (L 250) mm
WEIGHT	220g (w/o battery)

SPECIFICATIONS	RECEIVER
AUDIO OUTPUT	Unbal. -10dBu
S/N RATIO	100dB
DISTORTION	≤ 1%
FREQUENCY RESPONSE	50-15,000Hz
POWER REQUIREMENT	3V (2 × 1.5V AA Pencil Cells)
CURRENT CONSUMPTION	≤ 150mA
CONTROLS	ON/OFF/SB Switch, Volume Control
INDICATIONS	LEDs for RF & Audio Signal
DIMENSIONS	W62 × H128 × D26 mm
WEIGHT	65g (w/o battery)

## AWM-520V2 DUAL PA VHF Wireless Microphones



- Elegant and affordable dual channel VHF high band wireless microphones available in different frequencies.
- Handheld dynamic unidirectional transmitter with a three position slide switch and Low Battery LED indicator.
- Stylish table-top receiver with noise squelch circuitry.
- ALC circuit handles high sound pressure levels without distortion.
- Separate output volume controls for both channels on the front panel of the receiver.
- Power ON/OFF switch and 6.3mm (1/4") phone jack for audio output on the rear panel of the receiver.
- Each transmitter operates on 1 × 9V battery.
- Receiver operates on 12V DC through an AC adaptor, supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MODULATION MODE	FM
MICROPHONE ELEMENT	Dynamic, Cardioid
FREQUENCY RESPONSE	40-15,000Hz
POWER REQUIREMENT	9V Battery
CURRENT CONSUMPTION	<30mA
CONTROLS	On/Mute/Off Switch
INDICATION	RED LED (Momentary glow for RF ON & Permanent glow for Low Battery)
DIMENSIONS	∅ 48 (L 240) mm
WEIGHT	250g (w/o battery)

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV
S/N RATIO	>90dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control
INDICATION	Red LED for Power ON & Signal
DIMENSIONS	W200 × H55 × D155 mm
WEIGHT	350g

## AWM-520VHL

### DUAL PA VHF Wireless Microphones



SPECIFICATIONS	HANDHELD TX.	TIE-CLIP TX.
RF OUTPUT POWER	10mW (Max.)	10mW (Max.)
MODULATION MODE	FM	FM
MICROPHONE ELEMENT	Dynamic, cardioid	Condenser, cardioid
FREQUENCY RESPONSE	40-15,000Hz	40-12,000Hz
CURRENT CONSUMPTION	<30mA	<30mA
CONTROLS	ON/MUTE/ OFF Switch	ON/MUTE/ OFF Switch, Volume Control
INDICATION	Red LED for Mic ON	Green LED indicating power of cells
DIMENSIONS	ø48 × L240 mm	W63 × H33 × D100 mm
WEIGHT	250g (w/o battery)	90g (w/o battery)

- Elegant and affordable dual channel VHF high band wireless microphones available in different frequencies.
- Consists of a handheld dynamic unidirectional transmitter and a bodypack transmitter.
- Stylish table-top receiver with noise squelch circuitry.
- ALC circuit handles high sound pressure levels without distortion.
- Separate output volume controls for both channels on the front panel of the receiver.
- Power ON/OFF switch and 6.3mm (¼") phone jack for audio output on the rear panel of the receiver.
- Each transmitter operates on 1×9V battery.
- Receiver operates on 12V DC through an AC adaptor, supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV adjustable
S/N RATIO	>90dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control
INDICATION	Red LED FOR POWER ON, Green LEDs for RF indication
DIMENSIONS	W200×H55×D155 mm
WEIGHT	350g

## AWM-520VH

### PA VHF Wireless Microphone



SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MODULATION MODE	FM
MICROPHONE ELEMENT	Dynamic, Cardioid
FREQUENCY RESPONSE	40-15,000Hz
POWER REQUIREMENT	9V Battery
CURRENT CONSUMPTION	<30mA
CONTROLS	On/Mute/Off Switch
INDICATION	Red LED: Momentary glow for RF ON & Permanent glow for Low Battery
DIMENSIONS	Ø 48 (L 240) mm
WEIGHT	250g (w/o battery)

- Elegant and affordable single channel VHF wireless microphone available in different frequencies.
- Handheld dynamic unidirectional transmitter with a three position slide switch and Low Battery LED indicator.
- Stylish table-top receiver with a telescopic antenna & noise squelch circuitry.
- Power ON/OFF switch and output volume control on the front panel.
- 6.3mm (¼") phone jack for audio output on the rear panel.
- Transmitter operates with 1×9V battery.
- Receiver operates on 9V DC through an AC adaptor, supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV
S/N RATIO	>90dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control
INDICATION	Power ON LED, Signal LEDs
DIMENSIONS	W152×H40×D110 mm
WEIGHT	200g



# Professional VHF Wireless PA Microphones

## AWM-520VL PA VHF Wireless Microphone



- Elegant and affordable single channel VHF wireless microphone available in different frequencies.
- Electret Condenser unidirectional transmitter.
- Transmitter has an ON/OFF switch and a LED for ON indication.
- Stylish table-top receiver with a telescopic antenna & noise squelch circuitry.
- Power ON/OFF switch and output volume control on the front panel.
- 6.3mm (¼") phone jack for audio output on the rear panel of the receiver.
- Transmitter operates with 1 × 9V battery.
- Receiver operates on 9V DC through an AC adaptor, supplied along with the transmitter.
- Ideal for: PA Applications... Stage & Auditoriums... Stadia... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MODULATION MODE	FM
MICROPHONE ELEMENT	Condenser Cardioid
FREQUENCY RESPONSE	40-15,000Hz
POWER REQUIREMENT	9V Battery
CURRENT CONSUMPTION	<30mA
CONTROLS	ON/OFF Switch, Output Volume Control
INDICATION	Red LED for Microphone ON
DIMENSIONS	W63 × H33 × D100 mm
WEIGHT	90g (w/o battery)

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV
S/N RATIO	>90dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control
DIMENSIONS	W152 × H40 × D110 mm
WEIGHT	200g

## AWM-490V2 DUAL PA Wireless Microphones



- Compact, lightweight, Dual Channel VHF Wireless Microphone System.
- Operates at Quartz Crystal Locked VHF High Band frequency and available in different frequency groups. Two transmitter with separate frequencies and one non-diversity receiver.
- Internal Antennas in the transmitter and two telescopic antennas in the receiver for clear and distortion free reception.
- Receiver operates on 9V DC through an AC Adaptor supplied along with the system. Each transmitter operates with a 9V Dry Battery.
- Transmitter with 3-position slide switch for 'Audio On'-'Audio Mute'-'Off' positions.
- Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2.
- Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	15mW (Max.)
MODULATION MODE	FM (F3E)
MICROPHONE ELEMENT	Dynamic, cardioid
MAXIMUM DEVIATION	± 25kHz
FREQUENCY RESPONSE	50-15,000Hz
ANTENNA TYPE	Internal dipole
CURRENT CONSUMPTION	< 60mA
BATTERY LIFE	6-8 hrs. with 9V battery
CONTROLS	Microphone On/Mute/Off Switch
INDICATION	Red & Green LED for indicating microphones On
DIMENSIONS	Ø52 × L242 mm
WEIGHT	200g (w/o battery)

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005% Quartz Crystal Controlled
RECEIVING METHOD	Non-diversity
AUDIO OUTPUT	Channel 1: 0-55mV/1kΩ, Channel 2: 0-55mV/1kΩ Channel 1+2: 0-55mV/1kΩ
SIGNAL TO NOISE RATIO	> 100dB
DISTORTION	< 0.5%
FREQUENCY RESPONSE	50-15,000Hz
MAXIMUM DEVIATION	± 25kHz
ANTENNA	Telescopic
POWER REQUIREMENT	AC: 220-240V 50/60Hz for AC adaptor
CONTROLS	Power On/Off switch, Audio Output Volume Control
DIMENSIONS	W210 × H42 × D152 mm
WEIGHT	700g

## AWM-490V1 PA VHF Wireless Microphone



- Compact, lightweight, Single Channel VHF Wireless Microphone System.
- Operates at Quartz Crystal Locked VHF High Band frequency and available in different frequencies.
- Internal Antenna in the Transmitter and a telescopic Antenna in the Receiver for clear and distortion free reception.
- Receiver operates on 9V DC through an AC Adaptor supplied along with the system. The transmitter operates with a 9V Dry Battery.
- Transmitter with 3-position slide switch for 'Audio On'-'Audio Mute'-'Off' positions.
- Audio output from receiver available at OUT jack socket.
- Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	15mW (Max.)
MODULATION MODE	FM (F3E)
MICROPHONE ELEMENT	Dynamic, cardioid
DYNAMIC RANGE	100dB
FREQUENCY RESPONSE	50-15,000Hz
ANTENNA TYPE	Internal dipole
CURRENT CONSUMPTION	< 60mA
BATTERY LIFE	6-8 hrs. with 9V battery
CONTROLS	Microphone On/Mute/Off Switch
INDICATION	Green LED for indicating microphone On
DIMENSIONS	∅52 × L242 mm
WEIGHT	200g (w/o battery)

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005% Quartz Crystal Controlled
RECEIVING METHOD	Non-diversity
AUDIO OUTPUT	0-55mV/1kΩ
SIGNAL TO NOISE RATIO	> 100dB
DISTORTION	< 0.5%
FREQUENCY RESPONSE	50-15,000Hz
ANTENNA	Telescopic
POWER REQUIREMENT	AC: 220-240V 50/60Hz for AC adaptor
CONTROLS	Power On/Off switch, Audio Output Volume Control
INDICATIONS	Red LED for Power ON Green LED for RF Reception
DIMENSIONS	W210 × H42 × D152 mm
WEIGHT	610g

## AWM-490VHL DUAL PA Wireless Microphones



- Compact, lightweight, Dual Channel VHF Wireless Microphone System available in different frequency groups.
- Combination of a handheld dynamic transmitter & a bodypack condenser transmitter for a wide variety of applications.
- Internal Antenna in the transmitter and two telescopic Antennas in the Receiver for clear and distortion free reception.
- Receiver operates on 9V DC through an AC Adaptor supplied along with the system. Each transmitter operates with a 9V Dry Battery.
- Transmitter with 3-position slide switch for 'Audio On/Mute/Off'.
- Audio output from receiver available at OUT 1 & OUT 2 individually and as mixed output at OUT 1 + 2.
- Ideal for: PA Applications... Stage & Auditoriums... Seminar Halls... Places of Worship... Recreation Centres...

SPECIFICATIONS	HANDHELD TX.	TIE-CLIP TX.
RF OUTPUT POWER	15mW (Max.)	10mW (Max.)
MODULATION MODE	FM (F3E)	FM (F3E)
MICROPHONE ELEMENT	Dynamic, cardioid	Condenser, omnidirectional
DYNAMIC RANGE	100dB	80dB
FREQUENCY RESPONSE	50-15,000Hz	80-12,000Hz
ANTENNA TYPE	Internal dipole	—
CURRENT CONSUMPTION	<60mA	<60mA
BATTERY LIFE	6-8 hrs. with 9V batt.	6-8 hrs. with 9V batt.
CONTROLS	Mic On/Mute/ Off Switch	Mic On/Mute/ Off Switch, Vol. Control
INDICATION	Red LED for Mic ON	Green LED indicating power of cells
DIMENSIONS	∅52 × L242 mm	W65 × H32 × D107 mm
WEIGHT	200g (w/o battery)	110g (w/o battery)

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005% Quartz Crystal Controlled
RECEIVING METHOD	Non-diversity
AUDIO OUTPUT	Channel 1: 0-55mV/1kΩ, Channel 2: 0-55mV/1kΩ Channel 1+2: 0-55mV/1kΩ
SIGNAL TO NOISE RATIO	> 100dB
DISTORTION	< 0.5%
FREQUENCY RESPONSE	50-15,000Hz
ANTENNA	Telescopic
POWER REQUIREMENT	AC: 220-240V 50/60Hz for AC adaptor
CONTROLS	Power On/Off switch, Audio Output Volume Control
INDICATIONS	Red LED for Power ON Green LED for RF reception for Ch.1 & Ch. 2
DIMENSIONS	W210 × H42 × D152 mm
WEIGHT	700g





# Professional VHF Wireless PA Microphones

## CWM-400V

### PA VHF Wireless Microphone



SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MODULATION MODE	FM
MICROPHONE ELEMENT	Condenser, Cardioid
FREQUENCY RESPONSE	80-15,000Hz
POWER REQUIREMENT	2× 1.5V AAA Alkaline Cells
CURRENT CONSUMPTION	<60mA
CONTROLS	ON/OFF Push Switch
INDICATION	Red ring LED in the gooseneck & Red round LED in the base
DIMENSIONS	W90×H60×D130 mm (mic base)
WEIGHT	550g (without battery)

- Compact and elegant high band VHF Wireless Microphone system with four gooseneck microphones.
- Available in different frequencies (2 sets of 4 each).
- Transmitter are unidirectional condenser type, fitted with gooseneck, ON/OFF switch and an indicator LED.
- Sleek table-top receiver which can receive signals from upto 4 gooseneck transmitters.
- Individual output volume control and a RF LED for each channel is provided on the front panel of the receiver.
- Separate 6.3mm (¼") phone jack for audio output from each channel is available on the rear panel.
- Receiver operates on 12V DC through an AC adaptor, supplied along with. Transmitter operates with 2× 1.5V AAA alkaline cells.

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV adjustable (each channel)
S/N RATIO	>80dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control for each channel
INDICATION	Power ON LED, Signal LEDs
DIMENSIONS	W420×H54×D210 mm
WEIGHT	1.80kg

## AWM-630VG

### PA VHF Wireless Desktop Microphone



SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MODULATION MODE	FM
MICROPHONE ELEMENT	Condenser, Cardioid
FREQUENCY RESPONSE	100-12,000Hz
POWER REQUIREMENT	2× 1.5V Pencil Cells
CURRENT CONSUMPTION	<40mA
CONTROLS	ON/OFF Switch
INDICATION	Red Ring LED in the gooseneck
DIMENSIONS	W145×H50×D155 mm
WEIGHT	660g (without battery)

- Stylish & rugged high band VHF wireless desktop microphone & receiver available in different frequencies.
- Condenser unidirectional transmitter has a sleek gooseneck with ring LED indicator.
- Transmitter has a push-type ON/OFF switch.
- Highly sensitive table-top receiver with a telescopic antenna & noise squelch circuitry.
- Transmitter also has a male XLR connector & connecting cable so that wired mode can also be used, if required.
- Transmitter operates with 2× 1.5V UM-3 pencil cells.
- Receiver operates on 9V DC through an AC adaptor, supplied along with.

SPECIFICATIONS	RECEIVER
FREQUENCY STABILITY	± 0.005%
AUDIO OUTPUT	0-50mV adjustable
S/N RATIO	>90dB
DISTORTION	<0.5%
ANTENNA TYPE	Telescopic
POWER REQUIREMENT	220V-240V AC 50Hz for AC adaptor (supplied alongwith)
CONTROLS	Power Switch, Output Volume Control
INDICATION	Red LED for Power ON, Green & Red LEDs for Signal
DIMENSIONS	W152×H40×D110 mm
WEIGHT	200g



## ACM-96 ACM-96CH with MULTI Tone Chime

Single zone desktop paging microphone with a sturdy, aluminium die-cast top and special high reliability switches with integrated LED indicators.

Fitted with a flexible 300mm (12") gooseneck and a high quality unidirectional dynamic cartridge. Supplied with 6 mtrs. twin core shielded low noise cable with 6.3mm (1/4") phone plug.

ACM-96CH is also provided with a multi tone electronic chime, and operates on 2 × 1.5V (UM-3) pencil cells. Desired chime sound level can be set through preset at the bottom side of ACM-96CH.

### SPECIFICATIONS

FREQUENCY RESPONSE	50-10,000Hz
SENSITIVITY	2.0mV/Pa
IMPEDANCE	600Ω



## ACM-66 ACM-66CH with MULTI Tone Chime

High quality, heavy duty paging microphone available with or without chime function. Ideal for use in Paging applications and for open conferencing. Strong, robust and stable base incorporates separate push switches for momentary and locked use. The microphone can be used free standing or wall mounted. A strong flexible 250mm (10") gooseneck is securely fixed to the aluminium die-cast base.

Model ACM-66CH comes with a multi tone electronic chime and operates on 2 × 1.5V (UM-3) pencil cells. LED indication and long battery life. Facility to set desired chime sound level. Supplied with 6 mtrs. twin core shielded low noise cable with 6.3mm (1/4") phone plug.

### SPECIFICATIONS

FREQUENCY RESPONSE	50-15,000Hz
SENSITIVITY	2.5mV/Pa
IMPEDANCE	600Ω



# PA Gooseneck Microphones

## GENERAL PA INSTALLED SOUND SERIES

These professional high quality PA Gooseneck Microphones are suitable for various PA applications such as on Lecterns and Podiums, Open Conferences etc. The sleek and slender design makes the microphones unobtrusive. Model GM-601LM has a ring LED indication, useful in open conferences; while GM-615 and GM-611M have a longer reach. GM-605 is shorter and of the same length as GM-601LM. AGN-500 and AGN-480 are fitted with stand mount base and are supplied with 6 mtrs twin core shielded low noise cable.

- Wide frequency response.
- High front-to-back rejection for more gain before feedback.
- Built-in XLR socket.



GM-615

GM-611M

GM-605

GM-601LM

AGN-500

AGN-480

Unidirectional Electret Condenser Microphones

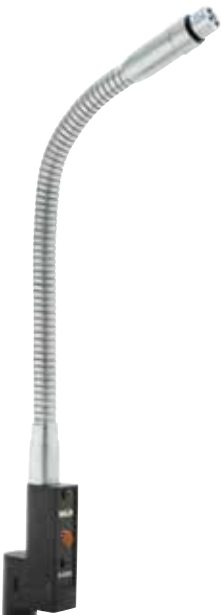
Unidirectional Dynamic Microphones

SPECIFICATIONS	GM-615	GM-611M	GM-605	GM-601LM	AGN-500	AGN-480
FREQUENCY RESPONSE	20-18,000Hz	100-15,000Hz	50-16,000Hz	100-15,000Hz	50-15,000Hz	50-10,000Hz
IMPEDANCE	1000Ω	1000Ω	1000Ω	1000Ω	500Ω	600Ω
SENSITIVITY	7.5mV/Pa	7mV/Pa	4mV/Pa	7mV/Pa	2.2mV/Pa	2.0mV/Pa
POWER SOURCE	1.5V-9V DC	1.5V-9V DC	1.5V-9V DC	3V-9V DC	—	—
OVERALL LENGTH	585 mm (23")	585 mm (23")	460 mm (18")	460 mm (18")	395 mm (15½")	470 mm (18½")

### G-622S

Strong 10" long flexible gooseneck shaft in silver finish. Exclusively designed for

converting any XLR microphone into a gooseneck microphone. A female XLR connector is provided at the top for connecting any XLR microphone and a male XLR connector has been provided at the bottom for connecting the microphone cable. Fitted with stand mount base to match all Ahuja PA Microphone Stands.



### G-611S

This is a mic stand adaptor for Ahuja gooseneck microphones model GM-615, GM-611M and GM-605. It has a well styled rugged heavy duty aluminium die-cast body with a female XLR connector for directly mounting the gooseneck microphone. A male XLR connector has been provided at the bottom for connecting the cable.

- 10 mtrs. twin core shielded low noise cable with in-line cell housing.
- Operates on 1.5V (1 × UM-3) pencil cell provided.
- Special circuitry employed for minimal switch noise.
- Threaded brass ferrule with 5/8" × 27 TPI, suitable for standard microphone stands.



### GMB-6C

This is a sturdy, heavy duty base made of die-cast aluminium suitable for Ahuja electret condenser gooseneck microphones. It has a female XLR connector for directly mounting the gooseneck microphone and a male XLR socket at the rear for connecting standard microphone cable to the amplifier.

- Heavy weight housing with anti-skid feet ensures stability.
- 10 mtrs. twin core shielded low noise mic cable with XLR connector & 6.3mm (¼") phone plug.
- Built-in cell housing for 2 × UM-3 pencil cells (3V) for operating the condenser microphone.
- On/Off switch provided. Special electronic circuitry for minimal switch noise.



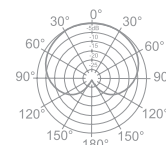
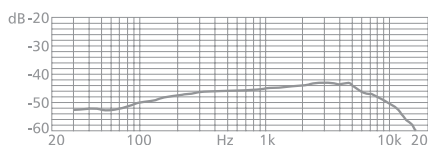


## PGM-625 PA Gooseneck Microphone

A sleek and long gooseneck condenser microphone with excellent, extremely natural and clear sound. Ideal for high end applications like auditoria, conference halls and podiums for VIPs.

- Suitable for use with 48V phantom supply model APS-302 or equivalent.

Frequency Response	50-16,000Hz
Sensitivity	5.5mV/Pa
Impedance	200Ω
Power Req'd.	9V-52V DC
Overall Length	508mm (20")



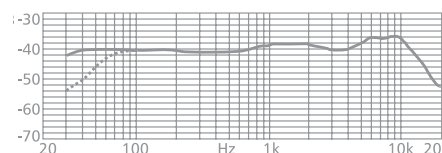
ABM-301M ABM-301H

## ABM-301M/ABM-301H PA Boundary Layer Microphones

Elegantly designed boundary layer microphones for table-top or stage use. Provided with push on/off mute switch, LED indicator, rubber base for reducing shock noise, and a switchable bass filter to eliminate unwanted low frequency noise. Extra smooth wide frequency response and clear, highly intelligible sound. Use with 48V phantom supply.

- ABM-301M is omnidirectional, and recommended for conference tables, video conferencing etc.
- ABM-301H is hypercardioid, and recommended for use on stage.
- Suitable for use with 48V phantom supply model APS-302 or equivalent.

Frequency Response	40-16,000Hz
Sensitivity	15mV/Pa
Impedance	100Ω
Bass Filter	-10dB at 80Hz
Cable Length	5.8m
Power Requirement	9V-52V DC



## APS-302 Phantom Supply

- High quality, high reliability power supply for use with condenser microphones using 48V DC phantom supply.
- Fitted with ON/OFF switch, power LED and XLR microphone input and output sockets.
- Supplied with AC adapter.
- Suitable for use with microphones ABM-301M, ABM-301H, CSM-1010 and PGM-625.





# PA Phantom Microphones

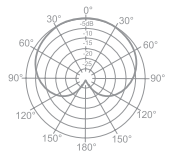
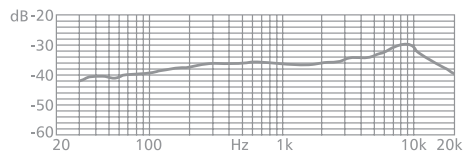


## CSM-1010 Musical Instruments Condenser Microphone

A high sensitivity back electret capsule housed in a durable metal housing with multiple surface treatments. Smooth and flat wide frequency response allows more volume opening. This is an ideal microphone for stringed & wind instruments including violin, veena, flute & piano.

- Suitable for use with 48V phantom supply model APS-302 or equivalent.

Frequency Response	20-18,000Hz
Sensitivity	12.5mV/Pa
Impedance	100Ω
Power Requirement	9V-52V DC



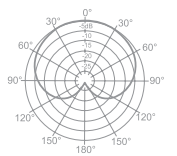
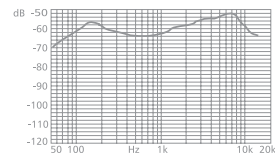
# Special Purpose Microphones



## KDM-900 PA Kick Drum Microphone

Spectacular in appearance and rugged in construction, this dynamic microphone is specially designed for use with kickdrums, bass drums and other percussion instruments. Integrated shock mount and large back volume give a specially tailored response, and allow the mic to give distortion-free response even at high sound pressure levels.

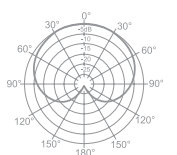
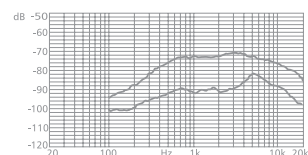
Frequency Response	50-15,000Hz
Sensitivity	1.25mV/Pa
Impedance	200Ω



## MM-60M PA Microphone for Mobile Use

- Professional dynamic microphone for mobile applications.
- Close-to-lip speaking to avoid background noise.
- Flexible coiled cord for easy extension of wire length.

Frequency Response	200-6,000Hz
Sensitivity	2.3mV/Pa
Impedance	500Ω



# Speakers

Speakers have the unique and exacting responsibility to reproduce the electrical sound signal faithfully. Also, the reliability and ruggedness of speakers is a vital issue in sound system reliability.

AHUJA speakers are designed for excellent sound reproduction under all conceivable conditions.

High power speaker systems, sub-woofers, horn speakers, column speakers, wall speakers, ceiling speakers, garden speakers, sound projectors, compression drivers... AHUJA has speakers for all applications...



Airports | Conventions | DJs | Stadiums

Electioneering | Fairs & Exhibitions

Defence Installations | Bus Terminals

Announcements & Music | Mobile PA

Schools & Colleges | Places of Worship

# PA Driver Units



**AU-35**  
35W/16Ω



**AU-40®**  
40W/16Ω



**AU-60®**  
60W/16Ω

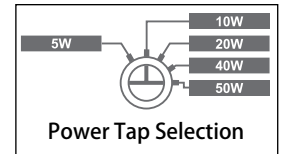
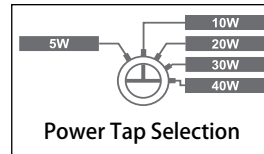


**AU-40®XT**  
40W/100V



**AU-50XT**  
50W/100V

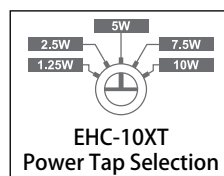
- Weatherproof and rugged construction.
- High SPL, crisp penetrating sound.
- Voice coils precision-wound on an aluminium bobbin for efficient heat dissipation.
- Models AU-40®XT and AU-50XT have a built-in 100V transformer with easily selectable power taps/impedance by changing the position of the rotary switch at the rear.
- Degree of protection IP 66 provided, when mounted on a reflex horn, against foreign particles such as dust and jets of water thus making them ideal for outdoor use. Meets EN 60529.



SPECIFICATIONS	AU-35	AU-40®	AU-60®	AU 40®XT	AU 50XT
INPUT POWER	35W RMS/53W Max.	40W RMS/60W Max.	60W RMS/90W Max.	40W RMS/60W Max.	50W RMS/70W Max.
IMPEDANCE/POWER TAPS	16Ω	16Ω	16Ω	On 100V Line 250Ω/40W, 330Ω/30W	On 100V Line 200Ω/50W, 250Ω/40W
	—	—	—	500Ω/20W, 1kΩ/10W	500Ω/20W, 1kΩ/10W
	—	—	—	2kΩ/5W	2kΩ/5W
FREQUENCY RESPONSE	160-7,000Hz	160-7,000Hz	160-7,000Hz	160-7,000Hz	160-7,000Hz
SPL at 1kHz	112dB/1W/1m 127dB/35W/1m	112.5dB/1W/1m 128.5dB/40W/1m	113.5dB/1W/1m 132dB/60W/1m	112.5dB/1W/1m 128.5dB/40W/1m	113dB/1W/1m 130dB/50W/1m
TEMPERATURE RANGE	-30° to +70° C	-30° to +70° C	-30° to +70° C	-30° to +70° C	-30° to +70° C
THROAT COUPLING	1-3/8" - 18TPI, Throat Couple No.1				
DIMENSIONS	ø113 x H89 mm	ø116 x H98 mm	ø126 x H100 mm	ø150 x H137 mm	ø150 x H143 mm
WEIGHT	1.48kg	1.72kg	2.05kg	2.24kg	2.47kg
MATERIAL	Die-cast Aluminium Acoustic Head (Flange)				

## PA Horn Speakers

### EHC-10 10W/8Ω / EHC-10XT 10W/100V



SPECIFICATIONS	EHC-10	EHC-10XT
INPUT POWER	10W RMS/15W Max.	10W RMS/15W Max.
IMPEDANCE / POWER TAPS	8Ω	10/7.5/5/2.5/1.25W
FREQUENCY RESPONSE	350-7,000Hz	350-7,000Hz
SPL at 1kHz	102dB/1W/1m, 112dB/10W/1m	102dB/1W/1m, 112dB/10W/1m
DIMENSIONS	180 × 130 (L195) mm	180 × 130 (L215) mm
WEIGHT	930g	1.17kg
MATERIAL	ABS (UV Protected)	ABS (UV Protected)

- Compact, sturdy and light weight weather proof horn speakers for a variety of mobile PA and installed PA applications.
- Available in low impedance 8Ω version as EHC-10 and high impedance 100V version as EHC-10XT.
- Features high acoustical efficiency together with intelligible and effective penetrating sound.
- Constructed with tough UV protected ABS plastic components.
- Provided with strong metal bracket for rigid mounting. Stand mounting bolts are in stainless steel.
- Fitted with 0.6m (2') 2-core sheathed speaker cable, secured through a water-tight, tug-proof cable gland.
- They meet European Union regulations and comply with low voltage directive standard EN 60065. Degree of protection IP 66 is provided against foreign particles such as dust and jets of water, thus making them ideal for outdoor use.

# Low Impedance PA Horn Speakers



**UHC-30**  
30W/8Ω

**UHC-25**  
25W/8Ω

**UHC-15**  
15W/8Ω



**SUH-40**  
40W/16Ω

**SUH-25**  
25W/8Ω

**SUH-15**  
15W/8Ω

- Ahuja high quality, weather proof horn speakers are compact, light weight and rugged. They are moulded in tough UV protected ABS plastic for longer lasting finish.
- Designed for acoustical efficiency providing a high SPL for a clean intelligible sound and effective sound penetration.
- Voice coils are precision-wound on an aluminium bobbin for good heat dissipation from the coil, thereby improving efficiency and reliability.
- Fitted with 0.6m (2') 2-core sheathed speaker cable, secured through a water-tight, tug-proof cable gland.
- These models have been provided with robust metal brackets/stands rotating through 270°. Rectangular models are particularly suitable for mounting on vehicles & boats.
- They meet European Union regulations and comply with low voltage directive standard EN 60065. Degree of protection IP 66 is provided against foreign particles such as dust and jets of water, thus making them ideal for outdoor use.

UV Protected ABS Bell, Reflector and Back Cover. External Stand Mounting Bolts in Stainless Steel

SPECIFICATIONS	UHC-30	UHC-25	UHC-15	SUH-40	SUH-25	SUH-15
INPUT POWER	30W RMS/45W Max.	25W RMS/38W Max.	15W RMS/23W Max.	40W RMS/60W Max.	25W RMS/38W Max.	15W RMS/23W Max.
IMPEDANCE	8 Ω	8 Ω	8 Ω	16 Ω	8 Ω	8 Ω
FREQUENCY RESPONSE	240-10,000Hz	250-10,000Hz	275-7,000Hz	180-7,000Hz	250-10,000Hz	275-7,000Hz
SPL at 1kHz	108dB/1W/1m 123dB/30W/1m	108dB/1W/1m 122dB/25W/1m	106dB/1W/1m 118dB/15W/1m	112.5dB/1W/1m 128.5dB/40W/1m	108dB/1W/1m 122dB/25W/1m	106dB/1W/1m 118dB/15W/1m
DIMENSIONS	ø313 (L285) mm	ø274 (L280) mm	ø205 (L245) mm	400 x 200 (L385) mm	315 x 165 (L290) mm	253 x 152 (L265) mm
WEIGHT	1.98kg	1.94kg	1.44kg	3.20kg	1.90kg	1.51kg
MATERIAL	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)





# 100V PA Horn Speakers



**UHC-30XT**  
30W/100V

**UHC-25XT**  
25W/100V

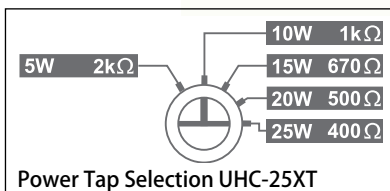
**UHC-15XT**  
15W/100V



**SUH-40XT**  
40W/100V

**SUH-25XT**  
25W/100V

**SUH-15XT**  
15W/100V



- Ahuja high quality, weather proof horn speakers are compact, light weight and rugged. They are moulded in tough UV protected ABS plastic for longer lasting finish.
- The specifications and construction of these are similar to the low impedance horn speakers. These models have been provided with 100V line matching transformers with multiple taps/impedance easily selectable by changing the position of the rotary switch at the rear of the sealed assembly.
- These 100V models are ideal for installations where long speaker cables are used, to avoid power loss in the cables.
- Rectangular models are particularly suitable for areas where directivity of sound is of importance.
- They meet European Union regulations and comply with low voltage directive standard EN 60065. Degree of protection IP 66 is provided against foreign particles such as dust and jets of water, thus making them ideal for outdoor use.

UV Protected ABS Bell, Reflector and Back Cover. External Stand Mounting Bolts in Stainless Steel

SPECIFICATIONS	UHC-30XT	UHC-25XT	UHC-15XT	SUH-40XT	SUH-25XT	SUH-15XT
INPUT POWER	30W RMS/45W Max.	25W RMS/38W Max.	15W RMS/23W Max.	40W RMS/60W Max.	25W RMS/38W Max.	15W RMS/23W Max.
POWER TAPS	30/25/20/15/10/5W	25/20/15/10/5W	15/10/5/2.5W	40/30/20/10/5W	25/20/15/10/5W	15/10/5/2.5W
IMPEDANCE	330/400/500/670/ 1k/2kΩ	400/500/670/ 1k/2kΩ	670/1k/2k/4kΩ	250/330/500/ 1k/2kΩ	400/500/670/ 1k/2kΩ	670/1k/2k/4kΩ
FREQUENCY RESPONSE	240-10,000Hz	250-10,000Hz	275-7,000Hz	180-7,000Hz	250-10,000Hz	275-7,000Hz
SPL at 1kHz	108dB/1W/1m 123dB/30W/1m	108dB/1W/1m 122dB/25W/1m	106dB/1W/1m 118dB/15W/1m	112.5dB/1W/1m 128.5dB/40W/1m	108dB/1W/1m 122dB/25W/1m	106dB/1W/1m 118dB/15W/1m
DIMENSIONS	ø313 (L315) mm	ø274 (L310) mm	ø205 (L270) mm	400 x 200 (L422) mm	315 x 165 (L320) mm	253 x 152 (L293) mm
WEIGHT	2.39kg	2.34kg	1.78kg	3.90kg	2.30kg	1.89kg
MATERIAL	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)	ABS (UV Protected)

**AMH-402T**  
40 WATTS

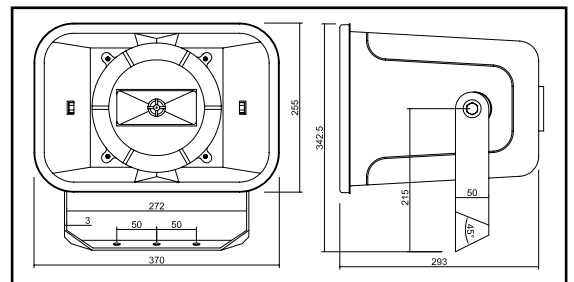
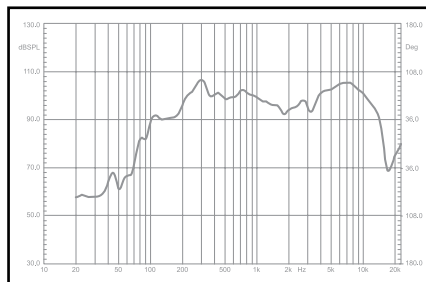


Ahuja introduces AMH-402T, a 2-way high efficiency, high fidelity PA Music Horn. It uses a 6" Kevlar cone woofer and a 1" phenolic dome tweeter. Thus it combines the high efficiency of a horn with the wide frequency response obtained by using a 2-way woofer tweeter combination. Housed in a beautifully designed UV protected ABS plastic housing, the music horn is weather protected which makes it ideal for outdoor as well as indoor applications.

- Unique concept used to create a well-engineered 2-way PA Music Horn with high efficiency, long throw, and wide frequency response.
- Sound quality of exceptional richness, clarity and fidelity. Ideal for music as well as announcements.
- Rugged & sturdy construction with aesthetically superior finish. UV protected ABS plastic housing.
- Comprises of a highly efficient 6" Kevlar cone LF driver and a 1" HF driver for wider frequency response and higher SPL.
- Easy power tap selection on a terminal strip with a 2-core cable.
- Strong mounting bracket for rigid mounting.

Ideal for both Indoor and Outdoor applications

Railway Stations... Educational Institutions... Religious Places... Stadiums... Amusement Parks...  
Factories... Cruise Liners... etc.



**SPECIFICATIONS**

INPUT POWER	40W RMS
POWER TAPS	40/20/10/5W
IMPEDANCE	250/500/1k/2kΩ
FREQUENCY RESPONSE	120-16,000Hz
SPL at 1kHz	98dB/1W/1m; 114dB/40W/1m
DIMENSIONS	W370 × H255 × D300 mm
WEIGHT	5.90kg
MATERIAL	ABS (UV Protected)



# PA Horns

## WFA, WFB PA Reflex Horns



AHUJA heavy duty aluminium horns are ideal for many large outdoor installations. Rugged construction and fitted with a protective PVC ring on the flare.

Acoustically well designed, these match Ahuja driver units for an efficient, powerful and clear sound.

SPECIFICATIONS	WFA	WFB
BELL DIA	21"	18"
CUT-OFF FREQUENCY	160Hz	190Hz
WEIGHT	2.17kg	1.87kg

## ATH-22 PA Trumpet Horn



Rugged Ahuja Trumpet Horn, specially made for high efficiency, optimum frequency response and long throw. Suitable for all Ahuja Driver Units.

SPECIFICATIONS	ATH-22
BELL DIA	22"
CUT-OFF FREQUENCY	160Hz
WEIGHT	2.27kg

## DIAPHRAGMS



The high quality diaphragms used in AHUJA Driver Units are specially shaped, reinforced phenolic diaphragms with a precision-wound voice coil on ALUMINIUM bobbin for good heat

dissipation. The rigid assembly offers high acoustic properties and is most indestructible in normal service. The self-centering design requires little skill to replace the diaphragm.

## PA Column Speakers

### SCM SERIES

- For Indoor & Outdoor applications such as in Halls, Auditoria, Airport Lounges.
- Weather resistant — for use under roof eaves. Foam layer to protect speakers from dust.
- Array of speakers radiate forward sound beam for wider audience coverage.
- Mounting clamps & hardware supplied.

### SCM-30/SCM-30T SCM-15/SCM-15T

- Column speakers in metal cabinet in powder coated finish.
- Speaker connections through a terminal strip at the rear.
- Available in 100V line matching transformer version and low impedance version.

SPECIFICATIONS	SCM-30/SCM-30T	SCM-15/SCM-15T
INPUT POWER	20W RMS 30W Max.	10W RMS 15W Max.
POWER TAPS	20W, 20/15/10W	10W, 10/7.5/5W
IMPEDANCE/VOLTAGE	16Ω, 100V	8Ω, 100V
FREQUENCY RESPONSE	150-10,000Hz	150-10,000Hz
SPL at 1kHz	95dB/1W/1m	92dB/1W/1m
SPEAKERS	4 × 6" × 4"	2 × 6" × 4"
DIMENSIONS	W165 × H885 × D145 mm	W165 × H455 × D145 mm
WEIGHT	5.50kg 6.07kg	2.83kg 2.85kg

SCM-30  
20W/16Ω

SCM-30T  
20W/100V

SCM-15  
10W/8Ω

SCM-15T  
10W/100V



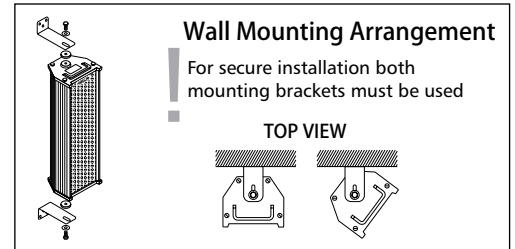
## ASC SERIES

- For Indoor & Outdoor applications such as in Halls, Auditoria, Airport Lounges.
- Weather resistant — for use under roof eaves. Foam layer to protect speakers from dust.
- Array of speakers radiate forward sound beam for wider audience coverage.
- Mounting clamps & hardware supplied.



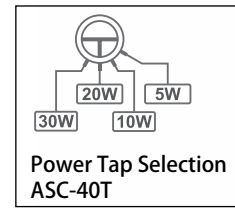
### ASC-40T/ASC-20T

- Column speakers in grey colour for indoor & outdoor applications.
- Aluminium extruded cabinet with moulded plastic covers. Metal mesh grille in black colour.
- 100V transformer with rotary switch for power tap selection.

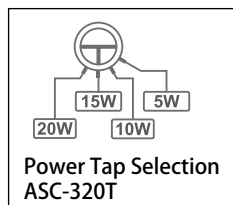


### ASC-320T/ASC-315T/ASC-310T

- Slim, compact, aesthetically designed column speakers.
- Off-white colour to integrate with most interiors.
- Aluminium extruded cabinet with moulded plastic covers, metal mesh grille.
- 100V line matching transformer with rotary switch for power tap selection.



ASC-40T  
30W/100V



SPECIFICATIONS	ASC-320T	ASC-315T	ASC-310T	ASC-40T	ASC-20T
INPUT POWER	20W RMS 30W Max.	15W RMS 23W Max.	10W RMS 15W Max.	30W RMS 45W Max.	15W RMS 23W Max.
POWER TAPS	20/15/10/5W	15/10/5/2.5W	10/7.5/5/2.5W	30/20/10/5W	15/10/5/2.5W
IMPEDANCE/VOLTAGE	100V	100V	100V	100V	100V
FREQUENCY RESPONSE	150-15,000Hz	150-15,000Hz	150-15,000Hz	150-10,000Hz	150-10,000Hz
SPL at 1kHz	93dB/1W/1m	91.5dB/1W/1m	90dB/1W/1m	95dB/1W/1m	92dB/1W/1m
SPEAKERS	4 × 5" × 3"	3 × 5" × 3"	2 × 5" × 3"	4 × 6" × 4"	2 × 6" × 4"
DIMENSIONS(W×H×D)mm	115 × 658 × 89	115 × 524 × 89	115 × 389 × 89	145 × 900 × 130	145 × 460 × 130
WEIGHT	3.10kg	2.50kg	1.90kg	5.10kg	2.70kg



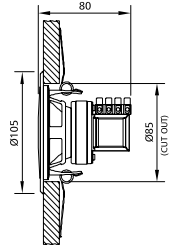




## PF-3B03T

An ultra-compact ceiling speaker designed to fit in almost any location especially where space is limited.

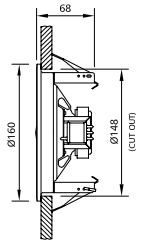
- 3" Full Range Speaker, 6W/100V.
- Easy mounting with spring mounting clamps.
- For speech and background music.
- Ideal for Shops... Hotel Rooms... Boutiques... Offices...



## CS-451T

Compact ceiling speaker with clamps to flush mount without screws.

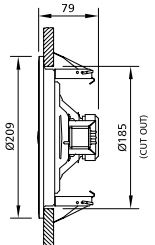
- 5" Full Range Speaker, 4W/100V.
- Easy mounting with spring loaded wing clamps.
- Stylish plastic grille in white colour.
- Ideal for Speech and Music in Hotels... Restaurants... Offices...



## CS-663T

High quality flush mount ceiling speaker.

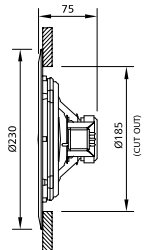
- 6" Full Range Speaker, 6W/100V.
- Easy selection of power taps through change of receptacle on 100V LMT.
- Aesthetically designed plastic grille and easy mounting with spring loaded clamps.
- Ideal for Hotels... Shopping Malls... Offices...



## CS-662T

High quality flush mount ceiling speaker for indoor public address and background music installations. Screw mounting grille.

- 6" Full Range Speaker, 6W/100V.
- ABS plastic grille with attractive design.
- Easy selection of power taps through change of receptacle on 100V LMT.
- Ideal for Hotels... Shopping Malls... Offices...



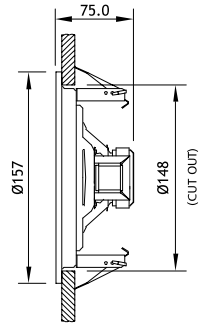
SPECIFICATIONS	PF-3B03T	CS-451T	CS-663T	CS-662T
INPUT POWER	6W RMS	4W RMS	6W RMS	6W RMS
POWER TAPS ON 100V	6/3/1.5W	4/2/1W	6/3/1.5W	6/3/1.5W
IMPEDANCE	1.6k/3.3k/6.6kΩ	2.5k/5k/10kΩ	1.6k/3.3k/6.6kΩ	1.6k/3.3k/6.6kΩ
FREQUENCY RESPONSE	70-15,000Hz	80-15,000Hz	60-15,000Hz	60-15,000Hz
SPL at 1kHz (1W/1m)	85dB	92dB	92dB	92dB
DIMENSIONS	ø105 × H80 mm	ø160 × H68 mm	ø209 × H79 mm	ø230 × H75 mm
WEIGHT	470g	640g	835g	670g



## CS-5044T

Flush mounting ceiling speaker with an attractive, ultra-modern ABS plastic grill. Stylish good looks make this ideally suitable for fashionable showrooms, restaurants and offices.

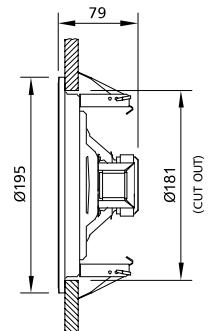
- 5" Full Range Speaker with power taps of 4/2/1W.
- 4 Watts continuous power handling capacity.
- Easy mounting with spring loaded wing clamps.
- 100V operation with easy selection of power taps through a terminal block.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums...



## CS-6066T

Flush mounting ceiling speaker with an elegant, ultra-modern ABS plastic grill. Attractive looks make this ideally suitable for fashionable showrooms, restaurants and offices.

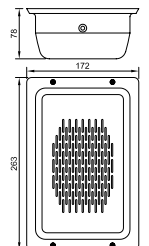
- 6" Full Range Speaker with power taps of 6/3/1.5W.
- 6 Watts continuous power handling capacity.
- Easy mounting with spring loaded wing clamps.
- 100V operation with easy selection of power taps through a terminal block.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums...



## BS-6462T

Metal box speaker for sound system installations in Railway Coaches, Industrial Establishments etc., Powder coated sturdy metal enclosure. Vandal-proof.

- 6" × 4" Full Range Speaker, 6W/100V.
- Can be wall mounted also. Key holes provided on rear.



## 2-Way PA In Wall Speaker

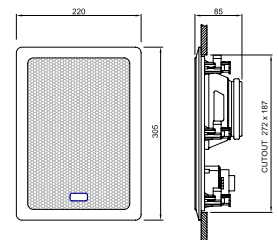
2  
WAY



## WCS-6304T

Compact and aesthetically superior 2-way full range In-Wall Speaker. Moulded plastic frame with metal mesh grill in white colour for excellent matching with a variety of interiors. Excellent fidelity and wide frequency response for faithful reproduction of both speech and music.

- Two-Way speaker system with 6" woofer and 1" tweeter.
- Easy selection of power taps on 100V line matching transformer.
- Easy to mount arrangement for quick installation under a false ceiling, or in a wall enclosure.
- Ideal for Hotels... Office Buildings... Restaurants... Hospitals... Shopping Malls... Department Stores... Cinemas... Gyms...



SPECIFICATIONS	CS-5044T	CS-6066T	BS-6462T	WCS-6304T
INPUT POWER	4W RMS	6W RMS	6W RMS	30W RMS
POWER TAPS ON 100V	4/2/1W	6/3/1.5W	6/3/1.5W	30/15/7.5W
IMPEDANCE	2.5k/5k/10kΩ	1.6k/3.3k/6.6kΩ	1.6k/3.3k/6.6kΩ	330/670/1.33kΩ
FREQUENCY RESPONSE	80-15,000Hz	60-15,000Hz	150-10,000Hz	90-18,000Hz
SPL at 1kHz (1W/1m)	92dB	92dB	91dB	93dB
SPEAKER	—	—	—	Woofer 150mm (6") Tweeter 25mm (1")
DIMENSIONS	Ø157 × H75 mm	Ø195 × H79 mm	W172 × H263 × D78 mm	W220 × H305 × D85 mm
WEIGHT	660g	820g	1.40kg	1.97kg

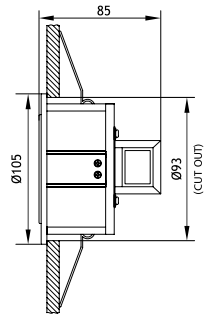




## CS-3061T

Attractive, compact ceiling speaker with excellent clarity and intelligibility. Moulded ABS plastic frame with spring mounting clamps.

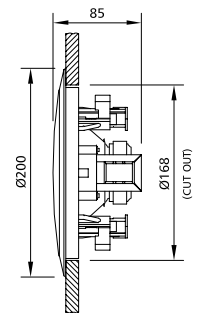
- 3" Full Range Speaker, 6W/100V
- 100V line operation with easy power tap selection through a terminal block
- Superbly engineered for simple and safe installation
- Ideal for offices... Restaurants... Hospitals... Shopping Malls... Gymnasiums...



## CS-5061T

High quality flush mount ceiling speaker with stylish grill and frame, which integrates wonderfully well with all interiors. Clear and clean sound for speech and music.

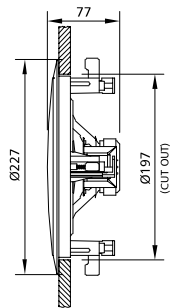
- 5" Full Range Speaker, 6W/100V.
- Beautiful powder coated aluminium mesh grille and moulded plastic frame.
- 100V line operation with easy power tap selection through a terminal block.
- Superbly engineered for simple and safe installations.
- Ideal for Offices... Restaurants... Hospitals... Shopping Malls... Hotels... Gymnasiums...



## CS-6081T

High quality flush mount ceiling speaker with an elegant grill and frame, which integrates wonderfully well with all interiors. Clear and crisp sound for speech and music.

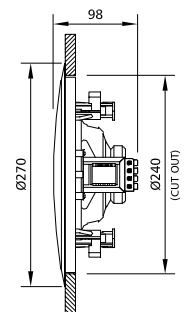
- 6" Full Range Speaker, 8W/100V.
- Beautiful powder coated aluminium mesh grille and moulded plastic frame.
- Power tap selection on 100V through female receptacle (push fit).
- Superbly engineered for simple and safe installations.
- Ideal for Offices... Restaurants... Hospitals... Shopping Malls... Hotels... Gymnasiums...



## CS-8151T

High quality flush mount ceiling speaker with attractive grill and frame, which integrates very well with all interiors. Outstanding sound quality.

- 8" Dual Cone Full Range Speaker, 15W/100V.
- High fidelity and excellent frequency response.
- 100V line operation with easy power tap selection through a terminal block.
- Superbly engineered for simple and safe installations.
- CS-8151T is a right choice for HIGH CEILING.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums...



SPECIFICATIONS	CS-3061T	CS-5061T	CS-6081T	CS-8151T
INPUT POWER	6W RMS	6W RMS	8W RMS	15W RMS
POWER TAPS ON 100V	6/3/1.5W	6/3/1.5W	8/4/2W	15/10/5W
IMPEDANCE	1.6k/3.3k/6.6kΩ	1.6k/3.3k/6.6kΩ	1.25k/2.5k/5kΩ	670/1k/2kΩ
FREQUENCY RESPONSE	65-15,000Hz	60-15,000Hz	60-15,000Hz	55-16,000Hz
SPL at 1kHz (1W/1m)	88dB	92dB	92dB	93dB
DIMENSIONS	ø105 × H85 mm	ø200 × H85 mm	ø227 × H77 mm	ø270 × H98 mm
WEIGHT	410g	750g	780g	1.40kg

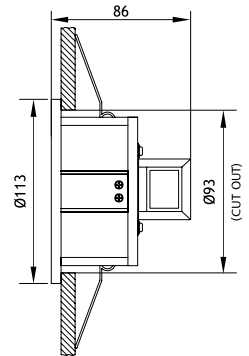




## CSX-3081T

Attractive, ultra modern rimless design 8 watts ceiling speaker with excellent sound quality. The elegant, low profile design.

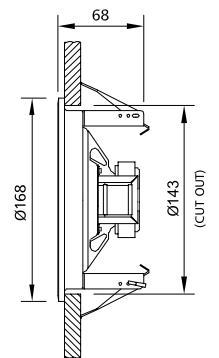
- 3" Full Range Speaker with power taps of 8/4/2W.
- 8 Watts continuous power handling capacity.
- Easy mounting with spring mounting clamps.
- 100V operation with easy selection of power taps.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums...



## CSX-5081T

Elegant, low profile rimless ceiling speaker with clear, highly intelligible sound. Low profile appearance.

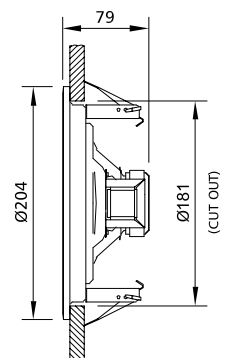
- 5" Full Range Speaker with power taps of 8/4/2W.
- 8 Watts continuous power handling capacity
- Easy mounting with spring loaded wing clamps.
- 100V operation with easy selection of power taps through a terminal block.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums...



## CSX-6101T

Ceiling speaker with an elegant, aesthetically pleasing rimless design. Excellent sound quality combined with an ultra-modern low profile appearance makes this ideally suited for high-end offices, restaurants, bars, malls etc.

- 6" Full Range Speaker with power taps of 10/5/2.5W.
- 10 Watts continuous power handling capacity.
- Easy mounting with spring loaded wing clamps.
- 100V operation with easy selection of power taps through a terminal block.
- Ideal for Offices... Restaurants... Hotels... Hospitals... Shopping Malls... Gymnasiums.....



SPECIFICATIONS	CSX-3081T	CSX-5081T	CSX-6101T
INPUT POWER	8W RMS	8W RMS	10W RMS
POWER TAPS ON 100V	8/4/2W	8/4/2W	10/5/2.5W
IMPEDANCE	1.25k/2.5k/5kΩ	1.25k/2.5k/5kΩ	1k/2k/4kΩ
FREQUENCY RESPONSE	65-15,000Hz	80-15,000Hz	60-15,000Hz
SPL at 1kHz (1W/1m)	88dB	92dB	92dB
DIMENSIONS	ø113 × H86 mm	ø168 × H68 mm	ø204 × H79 mm
WEIGHT	450g	700g	910g





# 2-Way PA Ceiling Speakers

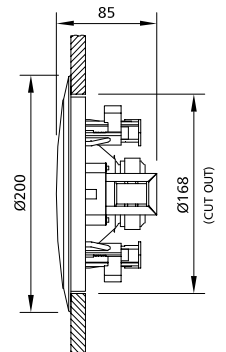


2  
WAY

## CSD-5201T

High power 2-way flush mount ceiling speaker for excellent reproduction of both speech and music. Wide frequency response and adjustable tweeter for optimum directivity.

- Operates on 100V line with power taps of 20/10/5W.
- Moulded plastic frame with metal mesh grill.
- Tweeter can be tilted at an angle to focus clear, intelligible sound in the desired direction.
- 100V line operation with easy power tap selection through a terminal block.
- Ideal for Hotels... Office Buildings... Restaurants... Hospitals... Shopping Malls... Department Stores... Cinemas... Gyms...

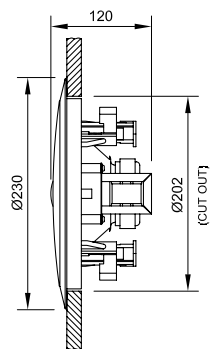


2  
WAY

## CSD-6303T

High power 2-way flush mount ceiling speaker for excellent reproduction of both speech and music. Wide frequency response and adjustable tweeter for optimum directivity.

- Operates on 100V line with power taps of 30/15/7.5W.
- Moulded plastic frame with metal mesh grill.
- Tweeter can be tilted at an angle to focus clear, intelligible sound in the desired direction.
- 100V line operation with easy power tap selection through a terminal block.
- Ideal for Hotels... Office Buildings... Restaurants... Hospitals... Shopping Malls... Department Stores... Cinemas... Gyms...

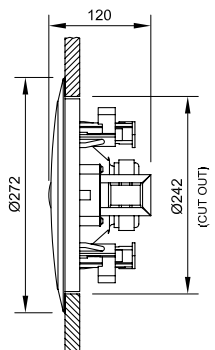


2  
WAY

## CSD-8401T

High power 2-way flush mount ceiling speaker for excellent reproduction of both speech and music. Adjustable tweeter enables high frequencies to be directed wherever they are most required.

- Operates on 100V line with power taps of 40/20/10W.
- Moulded plastic frame with metal mesh grill.
- 200mm (8") woofer and adjustable 25mm (1") tweeter.
- 100V line operation with easy power tap selection through a terminal block.
- Ideal for Hotels... Office Buildings... Restaurants... Hospitals... Shopping Malls... Department Stores... Cinemas... Gyms...



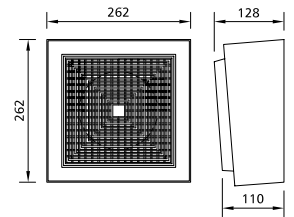
SPECIFICATIONS	CSD-5201T	CSD-6303T	CSD-8401T
INPUT POWER	20W RMS	30W RMS	40W RMS
POWER TAPS ON 100V	20/10/5W	30/15/7.5W	40/20/10W
IMPEDANCE	500/1k/2kΩ	330/670/1.33kΩ	250/500/1kΩ
FREQUENCY RESPONSE	90-18,000Hz	90-18,000Hz	90-18,000Hz
SPL at 1kHz (1W/1m)	91dB	92dB	93dB
SPEAKER	Woofer 150mm (5") Tweeter 25mm (1")	Woofer 150mm (6") Tweeter 25mm (1")	Woofer 200mm (8") Tweeter 25mm (1")
DIMENSIONS	ø200 × H85 mm	ø230 × H120 mm	ø272 × H120 mm
WEIGHT	1.36kg	1.65kg	2.10kg



## WS-6255T

High power ABS wall mounting box speaker in grey colour for indoor public address and background music in locations of high ambient noise. Ideal for Schools, Hospitals, Canteens, Colleges, Railway Platforms and Hostels.

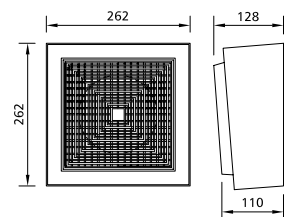
- 6.5" Full Range Speaker provides clear and clean sound for both speech and music; 25W/100V.
- Key holes for easy wall mounting.
- Power tap selection on 100V through terminal strip.



## WS-661T/WS-664T

High quality ABS wall mounting box speaker for indoors; speech & background music. For Schools, Offices, BPOs, Hospitals, Banks, Restaurants, Showrooms and Hotels.

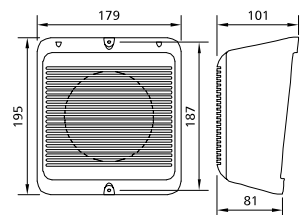
- 6" Full Range Speaker, 6W/100V.
- Key holes for easy wall mounting.
- Power tap selection on 100V through female receptacle (push fit).
- WS-664T has an additional 12 position rotary switch for desired sound level attenuation.



## WSX-551T

High quality, compact and aesthetically designed wall mounting box speaker to suit interiors as in Schools, Offices, BPOs, Hospitals, Banks, Restaurants, Showrooms and Hotels. Clear and clean sound for speech and music.

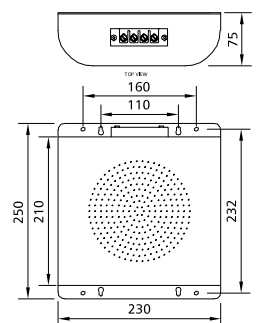
- 5" Full Range Wall Speaker in elegant white ABS cabinet, 5W/100V.
- Power tap selection on 100V through female receptacle (push fit).
- Key hole for easy mounting.
- Screw mounting provided from front to make it vandal-proof.



## BS-6082T/BS-6083T

Stylish & rugged metal box speaker for a variety of speech & background music applications such as Railway Coaches, Industrial Establishments, Schools, Warehouses, Public Buildings etc. Powder coated metal enclosure.

- Vandal-proof metal cabinet in ivory colour.
- 6" Full Range Speaker, 8W/100V.
- Key holes for easy wall mounting.
- BS-6082T is wall mount version.
- BS-6083T is for both wall & ceiling mounting.
- Easy power tap selection through terminal strip.



SPECIFICATIONS	WS-6255T	WS-661T/WS-664T	WSX-551T	BS-6082T/BS-6083T
POWER RATING	25W RMS/37.5W Max.	6W RMS/9W Max.	5W RMS/7.5W Max.	8W RMS/12W Max.
POWER TAPS ON 100V	25/15/10/5W	6/3/1.5W	5/2.5/1.25W	8/4/2W
IMPEDANCE	400/670 /1k/2kΩ	1.6k/3.3k/6.6kΩ	2k/4k/8kΩ	1.25k/2.5k/5kΩ
FREQUENCY RESPONSE	120-15,000Hz	60-15,000Hz	80-15,000Hz	60-15,000Hz
SPL at 1kHz (1W/1m)	94dB	92dB	92dB	92dB
DIMENSIONS	W262 × H262 × D128 mm	W262 × H262 × D128 mm	W179 × H195 × D101 mm	W230 × H230 × D75 mm, W230 × H250 × D75 mm
WEIGHT	1.76kg	1.19kg/1.25kg	740g	1.80kg

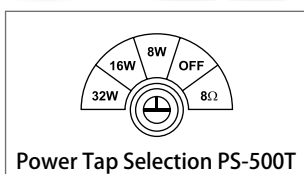


# 2-Way Compact PA Wall Speakers



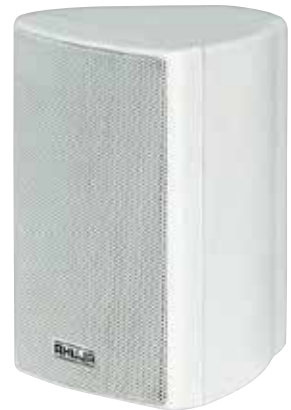
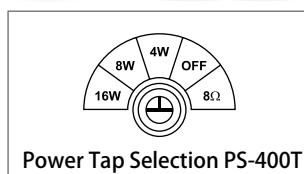
**PS-500T**  
32 WATTS

- High fidelity 2-Way, 100V multi purpose PA speaker system.
- 100V, Power taps of 32W, 16W, 8W.
- Facility to use as 8 ohms Low Impedance Speaker available.
- Power Taps can be selected through an easily accessible rotary switch.
- Weather Resistant Speaker.
- Movable mounting bracket supplied, can be mounted in vertical or horizontal positions.



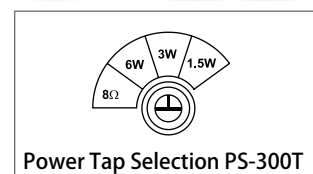
**PS-400T**  
16 WATTS

- High fidelity 2-Way, 100V multi purpose PA speaker system.
- 100V Power taps of 16W, 8W & 4W.
- Power taps can be selected through rotary switch.
- Facility to use as 8 ohms Low Impedance Speaker available.
- Weather Resistant Speaker.
- Movable mounting bracket supplied, can be mounted in vertical or horizontal positions.



**PS-300T**  
10 WATTS

- High fidelity 2-Way, 100V multi purpose PA speaker system.
- 100V, Power taps of 6W, 3W & 1.5W
- Power taps can be selected through rotary switch.
- Facility to use as 8 ohms Low Impedance Speaker available.
- Key hole for easy wall mounting.
- Threaded brass ferrule for stand mounting.



## COMMON FEATURES

- High Fidelity sound for music.
- Speaker System consists of woofer & dome tweeter.
- Elegant plastic cabinet in white colour.
- Ideal for background music in offices, banks, restaurants, showrooms etc.

SPECIFICATIONS	PS-500T	PS-400T	PS-300T
POWER RATING	32W RMS / 48W Max.	16W RMS / 24W Max.	10W RMS / 15W Max.
RATED VOLTAGE	100V	100V	100V
POWER TAPS ON 100V	32/16/8W	16/8/4W	6/3/1.5W
LOW IMPEDANCE	8 Ω	8Ω	8Ω
FREQUENCY RESPONSE	80-20,000Hz	85-20,000Hz	150-20,000Hz
SPL at 1kHz (1W/1m)	87dB	86dB	86dB
SPEAKER	Woofer 125mm (5") Tweeter 13mm dome	Woofer 95mm (3¾" ) Tweeter 13mm dome	Woofer 75mm (3") Tweeter 13mm dome
DIMENSIONS	W178 × H252 × D144 mm	W133 × H187 × D107 mm	W95 × H141 × D100 mm
WEIGHT	2.65kg	1.42kg	800g

## 2-Way Compact PA Wall Speakers



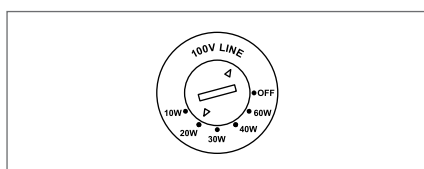
**ASX-612B/612BT**  
**ASX-612W/612WT**  
60 WATTS

- High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet.
- Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network.
- ASX-612B and ASX-612W are low impedance 8Ω speakers.
- ASX-612BT and ASX-612WT are meant for use on 100V line with power taps of 60W, 40W, 30W, 20W & 10W.
- Easy power tap selection through a slotted rotary switch knob at the rear.
- 'U' type bracket for convenient & firm mounting of the wall speaker.
- Ideal for various background music & general PA application.

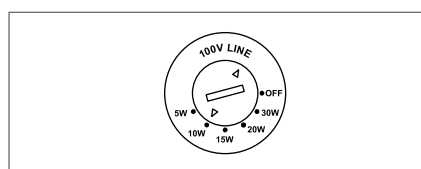


**ASX-312B/312BT**  
**ASX-312W/312WT**  
30 WATTS

- High fidelity 2-Way speaker system in compact & attractive Black or White plastic housing. The suffix B & BT denote Black cabinet, and W & WT denote White cabinet.
- Comprises of a Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network.
- ASX-312B and ASX-312W are low impedance 8Ω speakers.
- ASX-312BT and ASX-312WT are meant for use on 100V line with power taps of 30W, 20W, 15W, 10W & 5W.
- Easy power tap selection through a slotted rotary switch knob at the rear.
- 'U' type bracket for convenient & firm mounting of the wall speaker.
- Ideal for various background music & general PA application.



Power Tap Selection ASX-612BT & ASX-612WT



Power Tap Selection ASX-312BT & ASX-312WT

- Black Cabinet (B & BT)
- White Cabinet (W & WT)

SPECIFICATIONS	ASX-612B/612BT	ASX-312B/312BT
POWER RATING	60W RMS/90W Max.	30W RMS/45W Max.
POWER TAPS	60W, 60/40/30/20/10W	30W, 30/20/15/10/5W
IMPEDANCE/VOLTAGE	8Ω / 100V	8Ω / 100V
FREQUENCY RESPONSE	50-20,000Hz	75-20,000Hz
SPL at 1kHz (1W/1m)	87dB	87dB
SPEAKER	Woofer 163mm (6½"), Tweeter 25mm (1")	Woofer 100mm (4"), Tweeter 25mm (1")
DIMENSIONS	W215 × H310 × D175 mm	W180 × H248 × D140 mm
WEIGHT	3.22kg/3.80kg	2.45kg/2.92kg





# 2-Way Compact PA Wall Speakers



## SMX-902/902T 90 WATTS

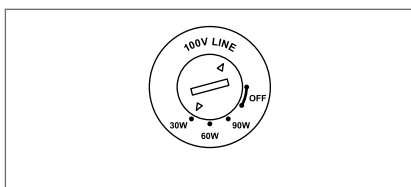
- High fidelity 2-Way speaker system in compact & elegant black plastic housing.
- Comprises of a Polypropylene Woofer, a Titanium Dome Tweeter and a Crossover Network.
- SMX-902 is a low impedance 8Ω speaker.
- SMX-902T is meant for use on 100V line with power taps of 90W, 60W & 30W.
- Easy power tap selection through a slotted rotary switch knob at the rear.
- 'U' type bracket for convenient wall mounting of the speaker.
- Ideal for various background music & general PA application.

## SMX-602/602T 60 WATTS

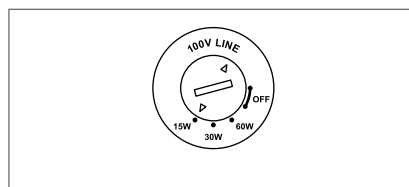
- High fidelity 2-Way speaker system in compact & elegant black plastic housing.
- Comprises of a Polypropylene Woofer, a Titanium Dome Tweeter and a Crossover Network.
- SMX-602 is a low impedance 8Ω speaker.
- SMX-602T is meant for use on 100V line with power taps of 60W, 30W & 15W.
- Easy power tap selection through a slotted rotary switch knob at the rear.
- 'U' type bracket for convenient wall mounting of the speaker.
- Ideal for various background music & general PA application.

## SMX-302/302T 30 WATTS

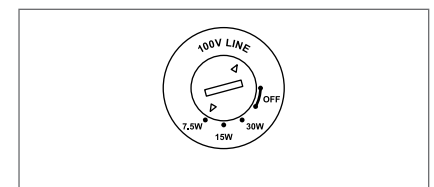
- High fidelity 2-Way speaker system in compact & elegant black plastic housing.
- Comprises of a Polypropylene Woofer, a Titanium Dome Tweeter and a Crossover Network.
- SMX-302 is a low impedance 8Ω speaker.
- SMX-302T is meant for use on 100V line with power taps of 30W, 15W & 7.5W.
- Easy power tap selection through a slotted rotary switch knob at the rear.
- 'U' type bracket for convenient wall mounting of the speaker.
- Ideal for various background music & general PA application.



Power Tap Selection SMX-902T



Power Tap Selection SMX-602T



Power Tap Selection SMX-302T

SPECIFICATIONS	SMX-902/902T	SMX-602/602T	SMX-302/302T
POWER RATING	90W RMS/135W Max.	60W RMS/90W Max.	30W RMS/45W Max.
POWER TAPS	90W, 90/60/30W	60W, 60/30/15W	30W, 30/15/7.5W
IMPEDANCE/VOLTAGE	8Ω, 100V	8Ω, 100V	8Ω, 100V
FREQUENCY RESPONSE	55-20,000Hz	55-20,000Hz	80-20,000Hz
SPL at 1kHz (1W/1m)	90dB	88dB	86dB
SPEAKER	Woofer 200mm (8") Tweeter 25mm (1")	Woofer 163mm (6½") Tweeter 25mm (1")	Woofer 100mm (4") Tweeter 25mm (1")
DIMENSIONS	W280 × H380 × D220 mm	W230 × H300 × D200 mm	W165 × H225 × D150 mm
WEIGHT	4.43kg/5.70kg	3.10kg/3.65kg	2.00kg/2.50kg

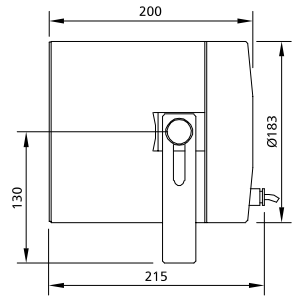
## PA Sound Projector



### SP-5251T

Compact & elegant controlled directivity sound projector in aesthetically beautiful white plastic cabinet. Water resistant speaker used in SP-5251T is suitable for outdoor applications also.

- 4 1/2" Full Range Speaker, 25W/100V.
- Easy power tap selection through a rotary switch.
- 'U' type powder coated mounting bracket
- Ideal for Factories... Hospitals... Hotels... Schools... Railway Platforms...



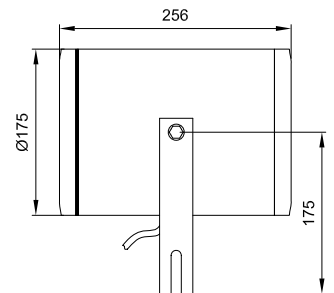
## PA Dual Sound Projector



### SP-6305TD

Compact & weather resistant bi-directional projection speaker in aesthetically pleasing white plastic cabinet. Creates uniform ambience of sound in a wider area from a single sound source.

- IP-44 degree of dust and water protection.
- 2 × 6 1/2" Full Range water resistant speakers facing in opposite direction, 30W/100V.
- 'U' type mounting bracket for easy & trouble free installation.
- Ideal for Railway Platforms... Factories... Parking Lots... School Corridors... Theme Parks...



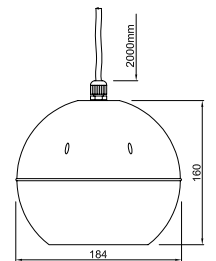
## Sphere Speaker



### SPS-5101T

Unique and elegant sphere shaped speaker in white plastic housing for various ceiling mounting applications.

- 5" Full Range Speaker, 10W/100V.
- Easy power tap selection through different colour wires accessible from outside.
- Supplied with adjustable hanging wire.
- Recommended for areas with high ceiling, or highly reverberant difficult acoustic environment.
- Ideal for Hotels... Clubs... Showrooms... Airports... Offices... Shopping Mall...



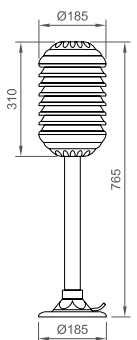
## PA Garden Speaker



### GS-6401T

Rugged & beautiful green garden speaker which harmoniously merges with the outdoor garden environment. Fitted with two nos. of wide response and water resistant polypropylene speakers. Strong aluminium alloy housing permits various outdoor applications.

- 2 × 5" Full Range Speakers; 40W/100V
- Power tap selection through different colour wires.
- Ideal for Gardens... Hotels... Farm Houses... Theme Parks... Lawns of Religious Places... Historical Monuments...



SPECIFICATIONS	SP-5251T	SP-6305TD	SPS-5101T	GS-6401T
INPUT POWER	25W RMS	30W RMS	10W RMS	40W RMS
POWER TAPS ON 100V	25/20/15/10/5W	30/20/10/5W	10/5/2.5W	40/20/10/5W
IMPEDANCE	400/500/670/1k/2kΩ	330/500/1k/2kΩ	1k/2k/4kΩ	250/500/1k/2kΩ
FREQUENCY RESPONSE	120-15,000Hz	120-15,000Hz	150-15,000Hz	160-16,000Hz
SPL at 1kHz (1W/1m)	93dB	94dB	92dB	88dB
DIMENSIONS	Ø183 × H215 mm	Ø175 × H256 mm	Ø184 × H160 mm	Ø185 × H765 mm
WEIGHT	2.10kg	2.60kg	1.1kg	5.2kg



# Special Purpose Speakers

## ALA-2400 200 WATTS



A full bandwidth modular line array comprising 4 trapezoidal enclosures arrayed in a vertical pattern for controlled directivity. The four enclosures are intended to be used as an integrated unit, and are packaged as a single variable dispersion system with nominal impedance 8 ohms.

The line array package is aesthetically elegant and handsome, and also delivers exceptionally good, clear, intelligible sound – directed wherever it is most required. The line array is supplied fitted with a wall mount bracket and handle. The relative angle between each of the enclosures is adjustable from 15 degrees to 60 degrees in 15 degree increments.

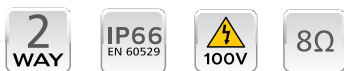
Ideal for use in Auditoria... Gymnasiums... Sports Arenas... Indoor Stadia... Malls... Reception Halls...



### SPECIFICATIONS

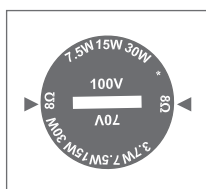
INPUT POWER	200W RMS
FREQUENCY RESPONSE	70-20,000Hz (60° mode), 75-20,000Hz (45° mode), 80-20,000Hz (30° mode), 85-20,000Hz (15° mode)
SPEAKER	Woofer 4 × 127mm (5"), Tweeter 12 × 25.4mm (1") Dome Tweeter
SPL at 1kHz (1W/1m)	96dB (60° mode), 97dB (45° mode), 98dB (30° mode), 99dB (15° mode)
NOMINAL IMPEDANCE	8Ω
CROSSOVER FREQUENCY	4kHz
INPUT CONNECTORS	Speakon + Terminal Strip
DIMENSIONS	W408 × H546 × D342 mm
WEIGHT	16.00kg

## OSX-666T 60 WATTS



Reliable IP-66 rated, weather resistant plastic cabinet wall speaker with outstanding sound clarity. Suitable for both indoor and outdoor use. Suitable for use on 100V line, or on direct 8Ω impedance.

- Comprises of a Polypropylene Cone Woofer, a Titanium Silk Dome Tweeter and a Crossover Network.
- Power taps can be selected through a slotted rotary switch knob at the rear, accessible after removing the terminal cover.
- 'U' type metal bracket for firm mounting and optimum positioning of the wall speaker.



Power Tap Selection

### SPECIFICATIONS

POWER RATING	60W/ 8Ω; 30W/ 100V
POWER TAPS ON 100V	30/15/7.5W
FREQUENCY RESPONSE	95-20,000Hz
SPL at 1kHz (1W/1m)	87dB
SPEAKER	Woofer 163mm (6½"), Tweeter 25mm (1.0")
DIMENSIONS	W205 × H330 × D199 mm
WEIGHT	1.31kg



## LCS-404T 40 WATTS



Attractive, fashionable speaker system designed for locations where elegant aesthetics are as important as exquisite sound quality. Ideal for restaurants, bars, malls, reception lobbies, offices, retail stores etc.

A single speaker system, rated at 40 watts, contains 2 nos 4" coated rubber surround woofers, 1 dome tweeter, and line matching transformer. Can be mounted horizontally in a corner, or vertically. 4 Speaker systems can be combined into a unique all-directional configuration with 160 watts rating.



### SPECIFICATIONS

INPUT POWER	40W RMS
RATED VOLTAGE	100V
POWER TAPS ON 100V	40/20/10/5W
LOW IMPEDANCE	4Ω
FREQUENCY RESPONSE	90-20,000Hz
SPL at 1kHz (1W/1m)	90dB
SPEAKER	Woofer 2 × 101.6mm (4") PP cone Tweeter 1 × 25.4mm (1") Dome Type
DIMENSIONS	W350 × H135 × D260 mm
WEIGHT	3.30kg

## Accessory for Speakers

### AT-40/AT-20/AT-06 Speaker Volume Control

Ahuja introduces an elegant and compact volume controller for 100V line signals. It enables the user to conveniently adjust the volume of a speaker or group of speakers. It is available in three power ratings of 40W, 20W and 6W.

- Attractive, aesthetically pleasing white plastic housing.
- Simple to install against walls, partitions and panels, even after the installation wiring is complete.
- Compatible with all Ahuja wall and ceiling speakers which have 100V line matching transformer.
- Reliable, high wattage rotary switch (in AT-40 and AT-20) has 11 selectable positions: Max, 9 attenuated positions (in 3 dB steps) & OFF.
- AT-06 has a reliable rotary switch with 5 selectable positions: Max, 3 attenuated positions (in 3dB steps) & OFF.
- Suitable for connection to speaker or speakers with RMS power rating up to 40 Watts (for AT-40), 20 Watts (for AT-20) and 6 Watts (for AT-06).
- Ideal for hotels, office cabins, showrooms, greenrooms, etc.



### SPECIFICATIONS

	AT-40	AT-20	AT-06
Rated Power	40W RMS	20W RMS	6W RMS
Input Voltage	100V	100V	100V
Output Positions	Max, 9 attenuation positions in 3dB steps (-3dB to -27dB) and OFF	Max, 9 attenuation positions in 3dB steps (-3dB to -27dB) and OFF	Max, 3 attenuation positions in 3dB steps (-3dB to -9dB) and OFF
Dimensions	W87 × H87 × D78 mm	W87 × H87 × D78 mm	W87 × H87 × D78 mm
Weight	250g	250g	150g







## SRX-50DX/50XT 50 WATTS

A compact general purpose speaker column using two Full Range Dual Cone 8" speakers, reproducing a clean undistorted sound for both speech and music. The system is housed in a Rugged Closed Box Enclosure made of 12mm medium density fibre board, and has a durable black shock resistant paint finish. SRX-50DX has nominal impedance of 16Ω, SRX-50XT operates on 100V line with three power taps selectable through a rotary switch.



## SRX-120®DXM 100 WATTS

An elegant and reliable speaker system comprising of a single 12" Full Range Dual Cone speaker and a Piezo Horn Tweeter. The system is capable of handling 100W continuous power with undistorted response and is ideal for small PA applications. The speakers are housed in a trapezoidal closed box enclosure made of 18mm board, and carpet covered. Fully protected by front grille. Ergonomically designed handles for easy portability. Stand mount adaptor is provided at the bottom.



## SRX-200 200 WATTS

Professional 2-Way PA Speaker System to provide superb LF Response, High Efficiency and Long Throw with Excellent Sound Intelligibility. It consists of one 12" Full Range Dual Cone Speaker and a Piezo Horn Tweeter. The system is housed in an acoustically treated Bass Reflex enclosure made of 18mm board, and carpet covered. Stand mount adaptor is provided at the bottom.

SPECIFICATIONS	SRX-50DX	SRX-50XT	SRX-120®DXM	SRX-200
POWER RATING	50W Max.	50W Max.	100W RMS/200W Programme	200W RMS/400W Programme
POWER TAPS	—	30/20/10W at 100V	—	—
CONFIGURATION	One Way	One Way	Two Way	Two Way
FREQUENCY RESPONSE	55-16,000Hz	55-16,000Hz	55-20,000Hz	50-20,000Hz
LOW FREQUENCY SPEAKER	2 x 8", Ø0.75" Voice Coil	2 x 8", Ø0.75" Voice Coil	1 x 12", Ø1.5" Voice Coil	1 x 12", Ø2.0" Voice Coil
HIGH FREQUENCY UNIT	—	—	1 x Piezo Horn Tweeter 2" x 5"	1 x Piezo Horn Tweeter 3" x 6"
SPL at (1W/1m)	96dB	96dB	97 dB	97dB
MAX. RATED SPL	113dB	113dB	117 dB	120dB
NOMINAL IMPEDANCE	16 Ω	333/500/1kΩ	8 Ω	8 Ω
CROSSOVER FREQUENCY	—	—	—	—
PORT	Sealed Enclosure	Sealed Enclosure	Sealed Enclosure	Free Flow Flared
INPUT CONNECTORS	Two nos. of Terminal Strip in parallel	—	1/4" Phone Jack + Terminal Strip	1/4" Phone Jack + Terminal Strip
DIMENSIONS	W325 x H585 x D240 mm	W325 x H605 x D240 mm	W410 x H530 x D380 mm	W410 x H600 x D430mm
WEIGHT	9.20kg	9.60kg	15.40kg	22.30kg



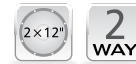
## SRX-220 200 WATTS

Professional 2-Way speaker system with high efficiency, long throw & clean undistorted sound for both speech & music. It consists of one 15" Full Range Dual Cone Speaker and a Piezo Horn Tweeter. The system is housed in an acoustically treated Bass Reflex Trapezoidal enclosure made of 18mm board, and carpet covered. Stand mount adaptor is provided at the bottom.



## SRX-250®DXM 200 WATTS

An aesthetically superior speaker system that combines two 12" Full Range Dual Cone speakers and a Piezo Horn Tweeter. It delivers the fidelity of sound and the column effect for sound coverage demanded in sound reinforcement and PA applications. The system is housed in a Rugged Trapezoidal Bass Reflex Enclosure made of 18mm board, and Carpet covered. Fully protected by front grille. Ergonomically designed handles for easy portability. Stand mount adaptor is provided at the bottom.



## SRX-440 400 WATTS

New high power, high efficiency professional speaker system with well-balanced wide-spectrum sound. Consists of two 12" Dual Cone Speakers and a Piezo Horn Tweeter fitted in a rugged bass reflex carpet covered enclosure. The cabinet has been fitted with heavy-duty handles to allow ease of transportation and a strong steel grille for speaker protection. A stand adapter is provided at the bottom for pole mounting. Ideal for DJs, variety music programmes and general PA applications.

SPECIFICATIONS	SRX-220	SRX-250®DXM	SRX-440
POWER RATING	200W RMS/400W Programme	200W RMS/400W Programme	400W RMS/800W Programme
CONFIGURATION	Two Way	Two Way	Two Way
FREQUENCY RESPONSE	50-20,000Hz	55-20,000Hz	50-20,000Hz
LOW FREQUENCY SPEAKER	1 × 15", Ø2.0" Voice Coil	2 × 12", Ø1.5" Voice Coil	2 × 12", Ø2.0" Voice Coil
HIGH FREQUENCY UNIT	1 × Piezo Horn Tweeter 3" × 6"	1 × Piezo Horn Tweeter 3" × 6"	1 × Piezo Horn Tweeter 3" × 6"
SPL at (1W/1m)	98dB	100dB	100dB
MAX. RATED SPL	121dB	123dB	126dB
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω
PORT	Free Flow Flared	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	1/4" Phone Jack + Terminal Strip	1/4" Phone Jack + Terminal strip	1/4" Phone Jack + Terminal strip
DIMENSIONS	W490 × H680 × D415mm	W410 × H860 × D370 mm	W416 × H930 × D430 mm
WEIGHT	26.00kg	25.00kg	33.50kg





2 x 15" 2 WAY

## SRX-500 400 WATTS

Professional 2-way speaker system with exceptional efficiency, long throw and unmatched intelligibility of sound. It consists of two 15" high performance full range dual cone speakers and a High frequency compression driver. The speaker system is housed in an acoustically treated Bass Reflex Trapezoidal carpet covered enclosure. The cabinet has been fitted with heavy-duty handles to allow ease of transportation and a strong steel grille for speaker protection. Ideal for both indoor and outdoor sound reinforcement applications. Specially designed for Auditoriums and DJs.



NEW!

2 x 15" 2 WAY

## SRX-510 400 WATTS

Professional 2-way speaker system with exceptional efficiency, long throw and unmatched intelligibility of sound. It consists of two 15" high performance full range dual cone speakers and a High frequency compression driver. The speaker system is housed in an acoustically treated Bass Reflex Trapezoidal with durable paint finish enclosure. The cabinet has been fitted with heavy-duty handles to allow ease of transportation and a strong steel grille for speaker protection. Ideal for both indoor and outdoor sound reinforcement applications. Specially designed for Auditoriums and DJs.

SPECIFICATIONS	SRX-500	SRX-510
POWER RATING	400W RMS/800W Programme	400W RMS/800W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	50-20,000Hz	50-20,000Hz
LOW FREQUENCY SPEAKER	2 x 12", Ø2.0" Voice Coil	2 x 15", Ø2.0" Voice Coil
HIGH FREQUENCY UNIT	Dynamic Horn, 4" x 10"	Dynamic Horn, 4" x 10"
SPL at (1W/1m)	101dB	101dB
MAX. RATED SPL	127dB	127dB
NOMINAL IMPEDANCE	8 Ω	8 Ω
CROSSOVER FREQUENCY	6kHz	6kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	2 Nos. of Speakon Sockets	2 Nos. of Speakon Sockets
DIMENSIONS	W510 x H1135 x D503 mm	W505 x H1125 x D503 mm
WEIGHT	49.50kg	52.00kg





**SRM-120**  
100 WATTS

Compact 2-Way Floor Monitor speaker system comprising of a single 12" Full Range Dual Cone Speaker and a Piezo Horn Tweeter. An optimally angled enclosure for effective floor monitoring in various indoor & outdoor applications. The system is housed in an acoustically treated Bass Reflex enclosure made of 18mm board and carpet covered.



**SRM-220**  
200 WATTS

Compact 2-Way Floor Monitor speaker system comprising of a single 15" Full Range Dual Cone Speaker and a Piezo Horn Tweeter. The unique multi functional trapezoidal design of the enclosure for effective floor monitoring in various indoor & outdoor applications. The system is housed in an acoustically treated Bass Reflex enclosure made of 18mm board and carpet covered. An On/Off switch for the piezo speaker is provided to limit extended HF, if desired. Stand mount adaptor is provided at the bottom.

SPECIFICATIONS	SRM-120	SRM-220
POWER RATING	100W RMS/200W Programme	200W RMS/400W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	55-20,000Hz	50-20,000Hz
LOW FREQUENCY SPEAKER	1 × 12", Ø1.5" Voice Coil	1 × 15", Ø2.0" Voice Coil
HIGH FREQUENCY UNIT	1 × Piezo Horn Tweeter 2" × 5"	1 × Piezo Horn Tweeter 3" × 6"
SPL at (1W/1m)	97dB	98dB
MAX. RATED SPL	117dB	121dB
NOMINAL IMPEDANCE	8 Ω	8 Ω
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	1/4" Phone Jack + Terminal Strip	1/4" Phone Jack + Terminal Strip
DIMENSIONS	W425 × H560 × D358 mm	W520 × H690 × D420 mm
WEIGHT	16.20kg	25.00kg







## SAX-200DX 200 WATTS

Professional 2-Way speaker system consists of one high efficiency 12" LF speaker and a 1" HF Compression Driver. The system is housed in a Rugged Bass Reflex Trapezoidal Enclosure made of 18mm board, and Carpet covered. A Stand Adapter at the bottom for stand mounting is also provided. The trapezoidal enclosure construction assures optimum low frequency performance and smoothness with minimum interference from standing waves and box resonance. The speaker produces high sound pressure levels with accuracy in any environment and thus is ideal for all PA and music performances.



## SAX-300DX 300 WATTS

Professional 3-Way speaker system consisting of one high efficiency, high SPL 15" LF speaker, a 1" HF Compression Driver and two Piezo Tweeters, for excellent high frequency response. The system is housed in a Rugged Bass Reflex Trapezoidal Enclosure made of 18mm board, and Carpet covered. A Stand Adapter is provided at the bottom for stand mounting. The trapezoidal cabinet design assures optimum low frequency performance. An On/Off switch for the piezo speakers is provided to limit extended HF if desired. The speaker is ideal for PA as well as music performances.

SPECIFICATIONS	SAX-200DX	SAX-300DX
POWER RATING	200W RMS/400W Programme	300W RMS/600W Programme
CONFIGURATION	Two Way	Three Way
FREQUENCY RESPONSE	45-20,000Hz	40-20,000Hz
LOW FREQUENCY SPEAKER	1 x 12", Ø2" Voice Coil	1 x 15", Ø3" Edge Wound Voice coil
HIGH FREQUENCY UNIT	Dynamic Horn, 4" x 10"	Dynamic Horn, 4" x 10" + 2 Piezo Tweeters
SPL at (1W/1m)	97dB	100dB
MAX. RATED SPL	119dB	125dB
NOMINAL IMPEDANCE	8Ω	8Ω
CROSSOVER FREQUENCY	4kHz	4kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	1/4" Phone Jack + Terminal Strip	1/4" Phone Jack + Terminal Strip
DIMENSIONS	W510 × H655 × D405 mm	W550 × H755 × D425 mm
WEIGHT	25.50kg	33.00kg



**SPX-400DX**  
350 WATTS

This 2-Way speaker system combines professional components of superior quality in a proper balanced integrated design, to deliver the fidelity of sound and the coverage demanded in sound reinforcement, outdoor PA and live music applications. The SPX-400DX has been built around the development of an exceptional HF compression driver containing a TITANIUM diaphragm. It also utilizes a high efficiency, high SPL 15" LF speaker in order to deliver tight and deep bass. It has a built in 2kHz Crossover Network with PTC protection for the HF unit. The system is housed in a Rugged Bass Reflex Trapezoidal Enclosure made of 18mm board, and Carpet covered with a Stand Mount Adapter at the bottom. The cabinet has been fitted with heavy duty handles to allow ease of transportation.



**SPX-450**  
400 WATTS

A high efficiency 400 Watts professional 2-Way PA speaker system has superb low frequency response, long throw and excellent sound intelligibility. Two 12" high performance LF loudspeakers and an high frequency compression horn driver housed in an acoustically treated bass reflex trapezoidal Carpet covered enclosure. Strong steel grille for speaker protection. Heavy duty metal handles provide ease of mobility and transportation. Ideal for Auditoria... Religious Gatherings... Live Concerts... DJs... etc.

SPECIFICATIONS	SPX-400DX	SPX-450
POWER RATING	350W RMS/700W Programme	400W RMS/800W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	40-20,000Hz	45-20,000Hz
LOW FREQUENCY SPEAKER	1 x 15", Ø3" Edge Wound Voice Coil	2 x 12" LF Speaker
HIGH FREQUENCY UNIT	Dynamic Horn 7" x 16"	Dynamic Horn 4" x 10"
SPL at (1W/1m)	100dB	100dB
MAX. RATED SPL	126dB	124dB
NOMINAL IMPEDANCE	8Ω	8Ω
CROSSOVER FREQUENCY	2kHz	4kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	Speakon + Terminal Strip	Speakon + Terminal Strip
DIMENSIONS	W530 x H840 x D415 mm	W465 x H995 x D405 mm
WEIGHT	37.60kg	38.80kg





1x15" 2 WAY

## SPX-610 500 WATTS

An elegant and sturdy 2-Way PA speaker system in attractive painted enclosure. Continuous power handling capacity of 500W is achieved by using an efficient 15" low frequency speaker and a reliable high frequency titanium compression horn driver. Acoustically treated bass reflex cabinet is designed for optimum low frequency reproduction with superb intelligibility of sound. Strong steel grill ensures speaker protection and durability. Heavy duty metal handles allow easy transportation. Ideal for use in a variety of indoor and outdoor PA applications.



2x15" 2 WAY

## SPX-810 700 WATTS

Professional 700 Watts 2-Way PA speaker system in attractive painted enclosure. Loaded with two highly efficient 15" low frequency speakers and a reliable high frequency titanium compression horn driver. Acoustically treated bass reflex cabinet is capable of producing excellent low frequency response together with impressive mid and high frequency response. Strong steel grill ensures speaker protection and durability. Heavy duty metal handles allow easy transportation. Ideal for use in a variety of indoor and outdoor sound reinforcement applications like Auditoria, DJs, Live Performances etc.

SPECIFICATIONS	SPX-610	SPX-810
POWER RATING	500W RMS/1000W Programme	700W RMS/1400W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	35-20,000Hz	40-20,000Hz
LOW FREQUENCY SPEAKER	1 × 15" LF Speaker	2 × 15" LF Speaker
HIGH FREQUENCY UNIT	Dynamic Horn 7" × 16"	Dynamic Horn 7" × 16"
SPL at (1W/1m)	100dB	103dB
MAX. RATED SPL	127dB	131dB
NOMINAL IMPEDANCE	8Ω	4Ω
CROSSOVER FREQUENCY	2kHz	2kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	2 Nos. of Speakon Sockets	2 Nos. of Speakon Sockets
DIMENSIONS	W490 × H795 × D410mm	W528 × H1188 × D496mm
WEIGHT	38.40kg	62.00kg





**SPX-1210**  
1000 WATTS

Superb high power professional 2-Way PA Speaker system in attractive painted enclosure. Packed with two high power 15" LF loudspeakers and a high frequency titanium compression horn driver give very well defined, prominent lows and brilliant highs. Acoustically treated bass reflex trapezoidal cabinet with a strong steel grille ensures protection and durability. Heavy duty metal handles allow ease of mobility and transportation. Ideal for use with high powered amplifiers for a variety of indoor and outdoor applications like Auditoria, DJs, Live Performances etc.



**SPX-800**  
700 WATTS

This is 700 Watts Professional 2-Way PA Speaker System with excellent LF response, exceptional efficiency, long throw and unmatched intelligibility of sound. Two 15" high performance LF loudspeakers and a high frequency Titanium compression horn driver housed in an acoustically treated bass reflex trapezoidal carpet covered enclosure. Strong steel grill for speaker protection. Heavy duty metal handles allow ease of mobility and transportation. Suitable for both indoor and outdoor sound reinforcement applications. Ideal for Auditoria... DJs... Live... Concerts... Discos... etc.

SPECIFICATIONS	SPX-1210	SPX-800
POWER RATING	1000W RMS/2000W Programme	700W RMS/1400W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	35-20,000Hz	40-20,000Hz
LOW FREQUENCY SPEAKER	2 × 15" LF Speaker	2 × 15" LF Speaker
HIGH FREQUENCY UNIT	Dynamic Horn 7" × 16"	Dynamic Horn 7" × 16"
SPL at (1W/1m)	103dB	103dB
MAX. RATED SPL	133dB	131dB
NOMINAL IMPEDANCE	4Ω	4Ω
CROSSOVER FREQUENCY	2kHz	2kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	Speakon + Terminal Strip	2 Nos. of Speakon Sockets
DIMENSIONS	W542 × H1253 × D475 mm	W542 × H1190 × D517 mm
WEIGHT	69.80kg	64.00kg







4 × 12" 1 WAY

## SQX-850

800 WATTS

Sturdy & rugged carpet covered bass reflex cabinet built around 4 nos high quality 12" dual cone speakers. Features high efficiency, high sound pressure level, & unmatched bass. Tuned for optimum performance, and having a high power handling capacity of 800 watts RMS, this is an ideal cabinet speaker for large gatherings and for use with high power amplifiers.



2 × 15" 2 WAY

## SPX-1200

1000 WATTS

Outstanding professional 2-Way PA Speaker system with 1000 Watts continuous power handling capacity. Two high power 15" LF loudspeakers and a high frequency titanium compression horn driver give very well defined, prominent lows and brilliant highs. Acoustically treated bass reflex trapezoidal carpet covered cabinet with a strong steel grill ensures protection and durability. Heavy duty metal handles allow ease of mobility and transportation. Ideal for use with high powered amplifiers for large gatherings.

SPECIFICATIONS	SQX-850	SPX-1200
POWER RATING	800W RMS/1600W Programme	1000W RMS/2000W Programme
CONFIGURATION	One Way	Two Way
FREQUENCY RESPONSE	50-16,000Hz	35-20,000Hz
SPEAKER	4 × 12" Full Range Speaker	2 × 15" LF Speaker
HIGH FREQUENCY UNIT	—	Dynamic Horn 7" × 16"
SPL at (1W/1m)	103dB	103dB
MAX. RATED SPL	132dB	133dB
NOMINAL IMPEDANCE	4Ω	4Ω
CROSSOVER FREQUENCY	—	2kHz
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	Terminal Strip + Speakon	Speakon + Terminal Strip
DIMENSIONS	W755 × H810 × D525 mm	W550 × H1265 × D483 mm
WEIGHT	55.10kg	67.80kg



1x10" 2 WAY

## VX-200 200 WATTS

Compact & portable 200W, 2-Way PA speaker system comprises of a high performance 10" LF speaker and a reliable HF driver. Ideal for use in a wide variety of speech & music applications. Rugged & portable bass reflex cabinet moulded with a special polypropylene plastic material. Built with a 10" 200W reliable & efficient LF speaker. High performance HF driver made with a 1.0" voice coil & titanium diaphragm. Equipped with a professional passive crossover network using low resistance inductors & high quality metallised polyester capacitors. Special cabinet profile allows functional flexibility in various professional audio applications such as stage monitors, live sound reinforcement and installed sound systems. A pole socket is provided at the bottom for easy stand mounting as well as wall mounting. Three integrated M8 flying points on top side and right side of the cabinet enable vertical and horizontal suspension applications.



1x12" 2 WAY

## VX-300 300 WATTS

Compact & exquisite 300W, 2-Way PA speaker system comprises of a high performance 12" LF speaker and a reliable HF driver. Ideal for use in a wide variety of speech & music applications. Rugged & portable bass reflex cabinet moulded with a special polypropylene plastic material. Built with a 12" 300W reliable & efficient LF speaker. High performance HF driver made with a 1.75" voice coil & titanium diaphragm. Equipped with a professional passive crossover network using low resistance inductors & high quality metallised polyester capacitors. Special cabinet profile allows functional flexibility in various professional audio applications such as stage monitors, live sound reinforcement and installed sound systems. A pole socket is provided at the bottom for easy stand mounting as well as wall mounting. Three integrated M8 flying points on top side and right side of the cabinet enable vertical and horizontal suspension applications.

SPECIFICATIONS	VX-200	VX-300
POWER RATING	200W RMS/400W Programme	300W RMS/600W Programme
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	65-18,000Hz	60-18,000Hz
LOW FREQUENCY SPEAKER	1 x 10", Ø2.0" CCAW Voice Coil	1 x 12", Ø2.5" CCAW Voice Coil
HIGH FREQUENCY UNIT	Dynamic Horn, Ø1" Voice Coil	Dynamic Horn, Ø1.75" Voice Coil
SPL at (1W/1m)	94dB	97dB
MAX. RATED SPL	117dB	122dB
NOMINAL IMPEDANCE	8Ω	8Ω
PORT	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	1/4" Phone Jack + Push Terminals	Speakon + Push Terminals
DIMENSIONS	W325 × H485 × D255 mm	W385 × H585 × D305 mm
WEIGHT	9.70kg	16.00kg



# Moulded Cabinet PA Speaker Systems

## VX-400 400 WATTS



High quality 400W, 2-Way PA speaker system comprises of a high performance 15" LF speaker and a reliable HF driver. Ideal for use in a wide variety of speech & music applications.

- Rugged & portable bass reflex cabinet moulded with a special polypropylene plastic material.
- Built with a 15" 400W reliable & efficient LF speaker.
- High performance HF driver made with a 1.75" voice coil & titanium diaphragm.
- Equipped with a professional passive crossover network using low resistance inductors & high quality metallised polyester capacitors.
- Special cabinet profile allows functional flexibility in various professional audio applications such as stage monitors, live sound reinforcement and installed sound systems.
- A pole socket is provided at the bottom for easy stand mounting as well as wall mounting.
- Three integrated M8 flying points on top side and right side of the cabinet enable vertical and horizontal suspension applications.

**AWB-30**  
Wall Mount Bracket



### SPECIFICATIONS

POWER RATING	400W RMS/800W Programme
CONFIGURATION	Two Way
FREQUENCY RESPONSE	45-18,000Hz
LOW FREQUENCY SPEAKER	1 x 15", Ø3.0" Copper Voice Coil
HIGH FREQUENCY UNIT	Dynamic Horn, Ø1.75" Voice Coil
SPL at (1W/1m)	98dB
MAX. RATED SPL	124dB
NOMINAL IMPEDANCE	8Ω
PORT	Free Flow Flared
INPUT CONNECTORS	2 Nos. of Speakon Sockets
DIMENSIONS	W460 × H690 × D370 mm
WEIGHT	22.10kg

## SUB-300A

### 300 WATTS



Rear View



Compact and elegant 300W powered subwoofer speaker system for use in a variety of indoor and open air applications. It comprises of an efficient 12" subwoofer and a matching built-in amplifier for delivering powerful deeper bass response. The system is housed in a rugged bass reflex enclosure with excellent texture paint finish. The rear plate has various features like BYPASS switch for high pass filter, PHASE reversal switch and GROUND lift switch which are easily selectable through push switches. It also provides ease of interconnections through a variety of XLR and COMBO connectors. A stand adaptor has been provided at the top of the cabinet for pole mounting a full range speaker system. Strong grille is designed to provide necessary protection to the speaker as well as professional appearance to the product. Built-in handles for smooth handling and easy portability of the product.

#### SPECIFICATIONS

POWER OUTPUT	300W RMS
INPUT	1V / 0dBu
FREQUENCY RESPONSE (-6dB)	47-125 Hz
SPL at (1W/1m)	96dB
MAX. RATED SPL	121dB
LOW FREQUENCY SPEAKER	1 × 12" with Ø2.5" Voice Coil
INPUT CONNECTORS	LEFT/MONO: COMBO (XLR+ 1/4" Stereo Jack), RIGHT: F/XLR, LINK L&R: 2 × M/XLR
OUTPUT CONNECTORS	LEFT/MONO & RIGHT: 2 × M/XLR
PROTECTION	AC: Fuse 1 × 3A (T 3A L)
POWER SUPPLY	AC: 220-240V 50/60Hz
AC POWER CONSUMPTION	400 VA
DIMENSIONS	W530 × H370 × D480 mm
WEIGHT	18.60kg







## SWX-650 650 WATTS

The SWX-650 is a professional high power SUBWOOFER system employing an extremely efficient 18" LF driver with an extended low frequency response. It is the perfect solution to any need where significant extension of the low frequency output is required. The system is housed in a Rugged Bass Reflex Enclosure made of 18mm board. The cabinet has been reinforced with bracing and is Carpet covered which keeps the first day appearance longer. A stand adapter has been provided at the top of the cabinet for pole mounting a full range speaker system. The cabinet is fitted with heavy duty handles for ease of transportation. The strong metal grille protects the speaker from unavoidable strokes.



## SWX-810 800 WATTS

SWX-810 is a high power professional passive SUBWOOFER system driven by one efficient 18" LF driver. Housed in a specially designed bass reflex enclosure to provide superior bass response with higher power handling capacity. Strong and durable wooden enclosure is well braced internally and attractively paint finished externally. Protective grille has robust design to provide required protection to the speaker and professional appearance to the product. The enclosure is fitted with four heavy duty handles, a recessed terminal plate and four indexed feet for ease of stacking. Speakon connector and Terminal Strip are provided for quick and convenient connections.



## SWX-1000 1000 WATTS

The SWX-1000 is a high reliability super power SUBWOOFER system with exceptional distortion-free low frequency response. It is fitted with a 18" LF driver having 5" inside/outside voice coil wound on a polyimide fibre glass former. The speaker has an aluminium demodulating ring for better heat dissipation and a specially treated cone for water splash resistance. The cabinet is rugged and specially braced to withstand intense vibrations. Wide port design for increased efficiency. A stand adapter has been provided at the top of the cabinet for pole mounting a full range speaker system. The cabinet is fitted with heavy duty handles for ease of transportation. The strong metal grille protects the speaker from unavoidable strokes.

SPECIFICATIONS	SWX-650	SWX-810	SWX-1000
POWER RATING	650W RMS/1300W Programme	800W RMS/1600W Programme	1000W RMS/2000W Programme
CONFIGURATION	One Way	One Way	One Way
FREQUENCY RESPONSE	30-250Hz	38-200Hz	36-200Hz
LOW FREQUENCY SPEAKER	1 x 18" with Ø4" Edge Wound Voice Coil	1 x 18" with Ø4" Inside/Outside Copper Voice Coil	1 x 18" with Ø5" Inside/Outside Wound Voice Coil
SPL at (1W/1m)	99dB	98dB	99dB
MAX. RATED SPL	127dB	127dB	129dB
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω
PORT	Free Flow Flared	Free Flow Flared	Free Flow Flared
INPUT CONNECTORS	Terminal Strip + Speakon	Terminal Strip + Speakon	Terminal Strip + Speakon
DIMENSIONS	W575 × H780 × D500 mm	W538 × H710 × D700 mm	W610 × H845 × D540 mm
WEIGHT	47.20kg	55.00kg	53.00kg

## SWX-1300DX

### 1300 WATTS



Rugged cabinet speaker with two extremely efficient 18" LF drivers for higher power handling capacity, deeper bass, and smoother spatial distribution of the extended bass. Very strong carpet covered cabinet with 25mm thick wooden baffle and extensive internal bracing to prevent unwanted vibrations and rattling. Provided with an attractive & modern extra-thick grille, and four steel handles for easy handling. Bass reflex design tuned with a large, wide angle port. An ideal cabinet speaker for use with high power amplifiers for reinforcement of the extended low frequency spectrum.

#### SPECIFICATIONS

POWER RATING	1300W RMS/2600W Programme
CONFIGURATION	One Way
FREQUENCY RESPONSE	30-250Hz
LOW FREQUENCY SPEAKER	2 x 18" with Ø4" Edge Wound Voice Coil
SPL at (1W/1m)	102dB
MAX. RATED SPL	133dB
NOMINAL IMPEDANCE	4Ω
PORT	Free Flow Flared
INPUT CONNECTORS	2 Nos. of Speakon Sockets
DIMENSIONS	W1075 × H660 × D610 mm
WEIGHT	83.00kg



## SWX-2100 2000 WATTS



Compact and powerful 2000W professional subwoofer system driven by two efficient 18" LF driver to provide excellent bass and super power handling capacity. Built into a strong and durable thick wooden enclosure which is well braced internally and attractively paint finished externally. This bass reflex enclosure design, with minimum footprint, suits all types of installed and touring applications. Strong extra -thick grille is designed to give required protection to the speakers and professional appearance to the product. The enclosure is fitted with four heavy duty handles for easy handling. Six indexed feet on top surface provide easy and secure stacking of subwoofer cabinets. Two speakon connectors on the rear terminal plate are provided for quick & convenient connections.

### SPECIFICATIONS

POWER RATING	2000W RMS/4000W Programme
CONFIGURATION	One Way
FREQUENCY RESPONSE	36-200Hz
LOW FREQUENCY SPEAKER	2 x 18" with Ø5" Inside/Outside Wound Voice Coil
SPL at (1W/1m)	102dB
MAX. RATED SPL	135dB
NOMINAL IMPEDANCE	4Ω
PORT	Free Flow Flared
INPUT CONNECTORS	2 × Speakon
DIMENSIONS	W1000 × H675 × D706 mm
WEIGHT	99.00kg



## SWX-2600

### 2600 WATTS



Rugged and powerful 2600W professional subwoofer system driven by two efficient 18" LF drivers to generate superb bass response and provide super power handling capacity. Built into a strong and durable thick wooden enclosure which is well braced internally and attractively paint finished externally. This bass reflex enclosure design suits all types of installed and touring applications. Strong extra -thick grille is designed to give required protection to the speakers and professional appearance to the product. The enclosure is fitted with four heavy duty handles for easy handling. Six indexed feet on top surface provide easy and secure stacking of subwoofer cabinets. Two speakon connectors on the rear terminal plate are provided for quick & convenient connections.

#### SPECIFICATIONS

POWER RATING	2600W RMS/5200W Programme
CONFIGURATION	One Way
FREQUENCY RESPONSE	35-200Hz
LOW FREQUENCY SPEAKER	2 x 18" with Ø5" Inside/Outside Wound Voice Coil
SPL at (1W/1m)	102dB
MAX. RATED SPL	135dB
NOMINAL IMPEDANCE	4Ω
PORT	Free Flow Flared
INPUT CONNECTORS	2 × Speakon
DIMENSIONS	W1100 × H625 × D790 mm
WEIGHT	105.00kg





# PA Line Array Speaker System

ALX-11000 + ALF-11





ALX-6000 + ALF-06



# PA Line Array Speaker System

## ALX-11000 1000 WATTS



ALX-11000 is a high performance dual 12" line array speaker system. Each module of ALX-11000 comprises of two powerful LF drivers and a high quality HF driver to deliver natural, intelligible and clear sound in a variety of music & speech applications.

- Each line array cabinet is designed to provide controlled & coherent coverage pattern with excellent high frequency response.
- Comprises of a powerful HF driver with a waveguide horn for constant curvature line array system.
- Simple rigging arrangement for quick & secure installation.
- Professional 2-way passive crossover network with HF protection.
- Strong, well braced & resonance free speaker cabinet in durable paint finish.
- Heavy duty steel grille with acoustically transparent foam to protect speakers from various adverse working conditions.
- A sturdy and rugged flybar frame is available for rigging the line array cabinets.
- Suitable for a wide variety of applications in Fixed Installations, Rental, Djs and Live Sound Reinforcement.

## ALX-6000 500 WATTS



ALX-6000 is a compact single 12" line array speaker system. Each module of ALX-6000 comprises of a powerful LF driver and a high performance HF driver to deliver crisp, clear and clean sound in a variety of indoor and outdoor installations.



SPECIFICATIONS	ALX-11000	ALX-6000
POWER RATING	1000W RMS	500W RMS
CONFIGURATION	Two Way	Two Way
FREQUENCY RESPONSE	55-20,000Hz	55-20,000Hz
LOW FREQUENCY SPEAKER	2 × 12" Woofer	1 × 12" Woofer
HIGH FREQUENCY UNIT	1 x 1.5" Throat Compression Driver	1 x 1.5" Throat Compression Driver
SPL (1W/1m)	98dB	96dB
MAX RATED SPL	128dB	122dB
NOMINAL IMPEDANCE	8Ω	8Ω
HORIZONTAL COVERAGE ANGLE	120°	120°
VERTICAL COVERAGE ANGLE	10°	10°
VARIABLE SPLAY ANGLES	0°, 1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°	0°, 1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°
CONNECTORS	2 Nos. of Speakon Sockets	2 Nos. of Speakon Sockets
DIMENSIONS	W1030 x H355 x D530 mm	W675 x H355 x D530 mm
WEIGHT	74.00kg	48.50kg

## ALF-11 Flybar Frame

For ALX-11000



## ALF-06 Flybar Frame

For ALX-6000



### INSTALLATION CARE POINTS

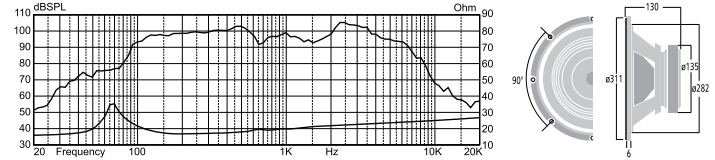
1. Installation should be done by an authorised professional only.
2. Inspect the flybar, locking pins, brackets and hardware for any damages prior to rigging & suspending the system.
3. Usage of brackets, locking pins, flybar and hardware, as supplied with the system, is highly recommended.
4. Only competent personnel should be engaged for installation of trusses and flying the line array system.
5. Additional safety items like belts, chains etc. should always be used.

## High quality 12" mid-bass speaker



### AS12-X100 100 WATTS

- Sturdy pressed metal frame in elegant brown colour.
- Kapton former voice coil for withstanding high temperature.
- Suitable for use in compact 2-way sealed as well as bass reflex enclosures.
- Excellent low frequency response makes it ideal for Dandiya-Ras, DJs & General PA applications.

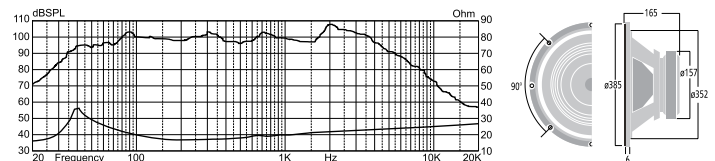


## High quality 15" mid-bass speaker



### AS15-X200 200 WATTS

- Sturdy pressed metal frame in elegant brown colour.
- Special high temperature voice coil for exceptional thermal capabilities.
- Suitable for use in compact 2-way sealed as well as bass reflex enclosures.
- Excellent low frequency response makes it ideal for Dandiya-Ras, DJs & General PA applications.



SPECIFICATIONS	AS12-X100	AS15-X200
POWER RATING	100W RMS/200W Programme	200W RMS/400W Programme
NOMINAL DIAMETER	305 mm (12")	380 mm (15")
NOMINAL IMPEDANCE	8Ω	8Ω
SENSITIVITY (1W/1m)	97dB	98dB
MAGNET WEIGHT	1.1kg	1.54kg
RESONANT FREQUENCY (Fs)	70Hz	45Hz
DC RESISTANCE (Re)	6.0Ω	6.0Ω
ELECTROMAGNETIC Q (Qes)	0.79	0.58
MECHANICAL Q (Qms)	5.5	9.6
TOTAL Q (Qts)	0.69	0.54
COMPLIANCE EQUIVALENT VOLUME (VAS)	74.23 Litr	115 Litr
SURFACE AREA OF CONE (Sd)	510cm <sup>2</sup>	830cm <sup>2</sup>
REFERENCE EFFICIENCY (ηo)	3.09%	2.1%
VOICE COIL	1.5"	2.0"
OVERHANG (Xmax)	2.0mm	3.5 mm
MOVING MASS (Mms)	25.5gm	73gm
BL PRODUCT (BL)	9.2TM	13.4TM
OVERALL DIAMETER	311 mm	385 mm
DEPTH	130 mm	165 mm
BAFFLE HOLE DIAMETER	285 mm	355 mm
BOLT MOUNT DIAMETER (PCD)	292 mm (8 Bolts)	373 mm (8 Bolts)
WEIGHT	3.20kg	4.90kg





# Professional PA Speakers

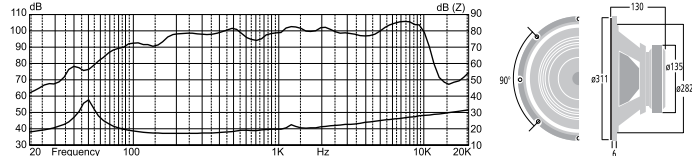
High efficiency 12" dual cone full range speaker



## SK-12FR®X/SK-12FR®Z

100 WATTS

- They are 12" dual cone full range PA speakers with a very wide frequency range 55-16,000Hz.
- Impedance of SK-12FRX is 8Ω and SK-12FRZ is 16Ω.
- High quality specially designed imported parts for low distortion and a clean transparent sound.



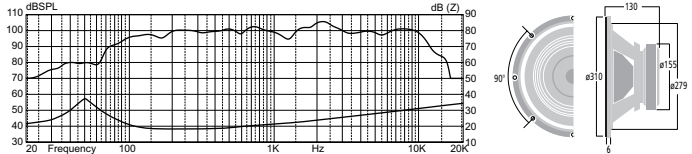
High efficiency 12" dual cone full range speaker



## DX12-F200/DZ12-F200

200 WATTS

- 12" dual cone speaker with wide spectrum frequency response.
- High quality specially designed imported cones and spider for extremely clear, low distortion sound reproduction.
- Impedance of DX12-F200 is 8Ω and DZ12-F200 is 16Ω.
- 2" CCAW voice coil with high temperature rating for safe, reliable operation.



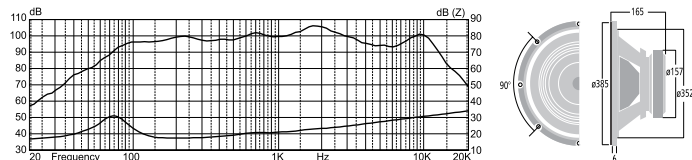
High efficiency 15" dual cone full range speaker



## SK-15FR®X/SK-15FR®Z

200 WATTS

- It is a 15" high quality dual cone full range PA speaker with a very wide frequency range 50-16,000Hz.
- Impedance of SK-15FRX is 8Ω and SK-15FRZ is 16Ω.
- High quality specially designed imported parts for low distortion and clean sound.



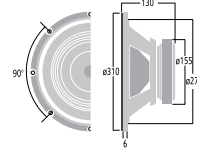
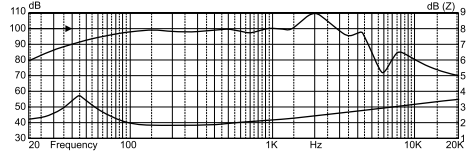
SPECIFICATIONS	SK-12FR®X/SK-12FR®Z	DX12-F200/DZ12-F200	SK-15FR®X/SK-15FR®Z
POWER RATING	100W RMS/200W Programme	200W RMS/400W Programme	200W RMS/400W Programme
NOMINAL DIAMETER	305mm (12")	305 mm (12")	380mm (15")
NOMINAL IMPEDANCE	8 Ω /16 Ω	8 Ω /16 Ω	8 Ω/16 Ω
SENSITIVITY (1W/1m )	97dB	97dB	98 dB
MAGNET WEIGHT	1.1kg	1.16kg	1.54kg
RESONANT FREQUENCY (Fs)	50Hz	50Hz	75Hz
DC RESISTANCE (Re)	6.4 Ω/13.0Ω	6.8Ω/13.0Ω	6.5 Ω/11.0Ω
ELECTROMAGNETIC Q (Qes)	0.758	0.92	0.91
MECHANICAL Q (Qms)	9.36	3.26	5.07
TOTAL Q (Qts)	0.7	0.72	0.77
COMPLIANCE EQUIVALENT VOLUME (VAS)	104 Litr	—	75.11Litr
SURFACE AREA OF CONE (Sd)	510cm <sup>2</sup>	510cm <sup>2</sup>	830cm <sup>2</sup>
REFERENCE EFFICIENCY (η <sub>0</sub> )	1.7%	3.6%	3.18%
VOICE COIL DIAMETER	1.5"	2.0"	2.0"
OVERHANG (X <sub>max</sub> )	1.5 mm	2.5 mm	4.0 mm
MOVING MASS (M <sub>ms</sub> )	35.23gm	36.7gm	60.62gm
BL PRODUCT (BL)	9.7TM	11.2TM	14.23TM
COIL INDUCTANCE (Le)	0.79mH	0.69mH	0.78mH
OVERALL DIAMETER	311 mm	313 mm	385 mm
DEPTH	130 mm	127 mm	165 mm
BAFFLE HOLE DIAMETER	285 mm	285 mm	355 mm
BOLT MOUNT DIAMETER (PCD)	292 mm (8 Bolts)	295 mm (8 Bolts)	373 mm (8 Bolts)
WEIGHT	3.20kg	4.16kg	4.90kg

Medium power 12" low frequency speaker



## L12-MB200 200 WATTS

- Specially designed for use in medium power compact 2-Way speaker systems. Suitable for bass-midrange and monitoring applications.
- Robust steel frame and plasticized cloth edge composite cone.
- KAPTON former 2.0" copper voice coil for withstanding high temperatures.



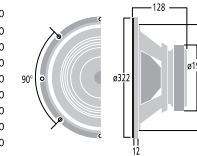
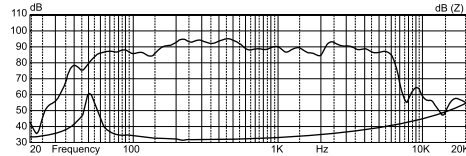
High power 12" low frequency speaker



## L12-MB300 300 WATTS



- Exclusively designed for use in high power compact 2-Way speaker systems. Ideal for bass & midrange application in bass reflex cabinets.
- Strong die-cast aluminium frame for reliable performance.
- 3" Copper Clad Aluminium Wire voice coil wound on GLASS FIBRE former.
- Gold plated push type heavy duty terminals for firm connection.

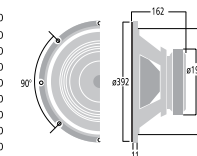
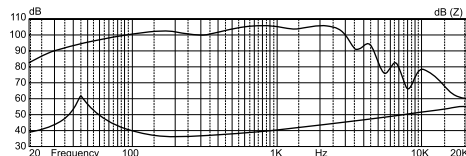


High power 15" low frequency speaker



## L15-MB300 300 WATTS

- Excellent low and mid frequency response, Ideal for bass and bass-midrange applications in bass reflex cabinets.
- Aluminium die-cast frame with vented-gap cooling technique.
- 3" Copper Clad Aluminium Wire voice coil withstands high temperature.
- Gold plated push type heavy duty terminals for firm connection.



SPECIFICATIONS	L12-MB200	L12-MB300	L15-MB300
POWER RATING	200W RMS/400W Programme	300W RMS/600W Programme	300W RMS/600W Programme
NOMINAL DIAMETER	305mm (12")	305mm (12")	380mm (15")
NOMINAL IMPEDANCE	8Ω	8Ω	8Ω
SENSITIVITY (1W/1m)	97dB	99dB	99dB
MAGNET WEIGHT	1.16 Kg	2.31kg	2.31kg
RESONANT FREQUENCY (Fs)	45Hz	48Hz	45Hz
DC RESISTANCE (Re)	7 Ω	5.4Ω	5.7 Ω
ELECTROMAGNETIC Q (Qes)	0.46	0.33	0.32
MECHANICAL Q (Qms)	4.67	4.94	5.82
TOTAL Q (Qts)	0.42	0.30	0.3
COMPLIANCE EQUIVALENT VOLUME (VAS)	135Litr	71Litr	139.65Litr
SURFACE AREA OF CONE (Sd)	510cm <sup>2</sup>	531cm <sup>2</sup>	830cm <sup>2</sup>
REFERENCE EFFICIENCY (ηo)	1.35%	2.83%	4.35%
VOICE COIL	2.0"	3.0"	3.0"
MOVING MASS (Mms)	51.9gm	54.55gm	80.31gm
BL PRODUCT (BL)	13.42TM	17.11TM	20.49TM
COIL INDUCTANCE (Le)	0.89mH	0.85mH	0.68mH
OVERALL DIAMETER	313 mm	322 mm	395 mm
DEPTH	127 mm	128 mm	160 mm
BAFFLE HOLE DIAMETER	285 mm	290 mm	358 mm
BOLT MOUNT DIAMETER (PCD)	295 mm (8 Bolts)	305 mm (8 Bolts)	373 mm (8 Bolts)
WEIGHT	4.16kg	7.30kg	8.15kg



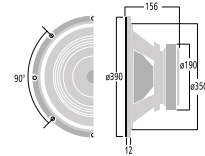
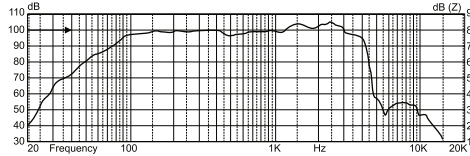
# Professional PA Speakers

High power 15" low frequency speaker



## L15-MB400 400 WATTS

- Excellent low and mid frequency response.
- Ideal for high power 2-Way Speaker Systems.
- Triple roll, exponential cone geometry.
- High temperature copper clad aluminium wire voice coil wound on polyamide former.

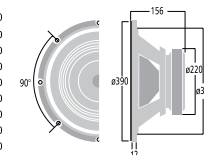
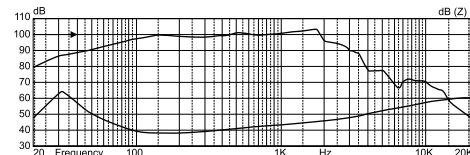


High power 15" low frequency speaker



## L15-MB500 500 WATTS

- Extended low frequency, ideal for Cinema Halls and for use in professional high power full range speaker systems.
- Aluminium die-cast frame with gold plated push type heavy duty terminals.
- GLASS FIBRE former for withstanding high temperature.
- 4" Edge-wound copper wire voice coil for higher SPL.



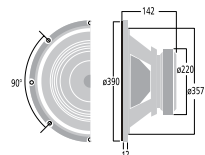
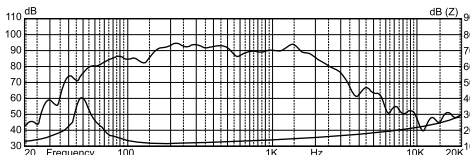
High power 15" low frequency speaker



## L15-MB650 650 WATTS



- Excellent bass and mid-bass response, high power handling capacity.
- Aluminium die-cast frame with gold plated push type heavy duty terminals.
- GLASS FIBRE former for withstanding high temperature.
- 4" Edge-wound aluminium wire voice coil for higher SPL.



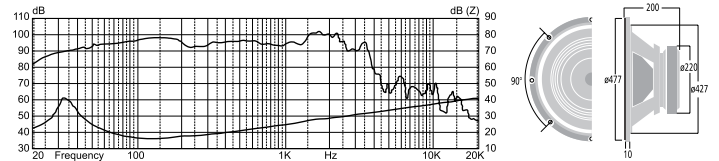
SPECIFICATIONS	L15-MB400	L15-MB500	L15-MB650
POWER RATING	400W RMS/800W Programme	500W RMS/1000W Programme	650W RMS/1300W Programme
NOMINAL DIAMETER	380mm (15")	380mm (15")	380mm (15")
NOMINAL IMPEDANCE	8Ω	8Ω	8Ω
SENSITIVITY (1W/1m)	99dB	97dB	97dB
MAGNET WEIGHT	2.31kg	2.85kg	2.85kg
RESONANT FREQUENCY (Fs)	40Hz	33Hz	50Hz
DC RESISTANCE (Re)	5.8Ω	5 Ω	5.1Ω
ELECTROMAGNETIC Q (Qes)	0.41	0.34	0.32
MECHANICAL Q (Qms)	8.0	4.32	5.91
TOTAL Q (Qts)	0.39	0.32	0.30
COMPLIANCE EQUIVALENT VOLUME (VAS)	168Litr	221Litr	109Litr
SURFACE AREA OF CONE (Sd)	855cm <sup>2</sup>	830cm <sup>2</sup>	830cm <sup>2</sup>
REFERENCE EFFICIENCY (ηo)	2.72%	2.28%	3.5%
VOICE COIL	3.0"	4.0"	4.0"
MOVING MASS (Mms)	91gm	107.17gm	97.60gm
BL PRODUCT (BL)	18TM	18TM	22.92TM
COIL INDUCTANCE (Le)	1.1mH	1.09mH	1.60mH
OVERALL DIAMETER	389.5 mm	387 mm	390 mm
DEPTH	157 mm	158 mm	142 mm
BAFFLE HOLE DIAMETER	350 mm	354 mm	357 mm
BOLT MOUNT DIAMETER (PCD)	369 mm (8 Bolts)	369 mm (8 Bolts)	372 mm (8 Bolts)
WEIGHT	7.80kg	9.00kg	11.00kg

High power 18" extended low frequency speaker



## L18-SW650 650 WATTS

- Extremely great linear excursion, ideal for powerful bass and subwoofer applications.
- Aluminium die-cast frame and robust construction.
- Tear resistant tetron-cotton blend rolled cloth edge.
- Cotton polyester blend spider.
- GLASS FIBRE former voice coil for withstanding high temperature.
- 4" Edge-wound aluminium wire voice coil for higher SPL.
- Ideal professional bass speaker for all PA, sound reinforcement and live music application.

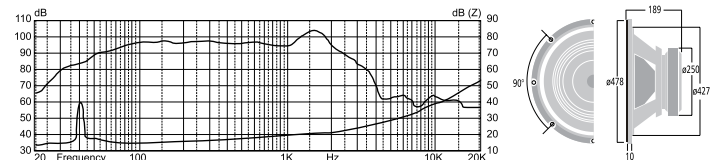


High power 18" extended low frequency speaker



## L18-SW800 800 WATTS

- Powerful and reliable speaker for various bass & subwoofer applications.
- Robust aluminium die-cast frame with dual forced air ventilation for efficient heat dissipation.
- GLASS FIBRE former voice coil for withstanding high temperatures.
- 4" INSIDE/OUTSIDE copper voice coil.
- Triple roll surround and re-inforced conex spider for improved linearity control.
- Ideal professional bass speaker for live music, sound reinforcement and all PA applications.



SPECIFICATIONS	L18-SW650	L18-SW800
POWER RATING	650W RMS/1300W Programme	800W RMS/1600W Programme
NOMINAL DIAMETER	457mm (18")	457mm (18")
NOMINAL IMPEDANCE	8Ω	8Ω
SENSITIVITY (1W/1m)	98dB	98dB
MAGNET WEIGHT	3.56kg	4.60kg
RESONANT FREQUENCY (Fs)	32Hz	41Hz
DC RESISTANCE (Re)	5.1Ω	5.4Ω
ELECTROMAGNETIC Q (Qes)	0.26	0.38
MECHANICAL Q (Qms)	5.29	11.10
TOTAL Q (Qts)	0.245	0.37
COMPLIANCE EQUIVALENT VOLUME (VAS)	246 Litr	176 Litr
SURFACE AREA OF CONE (Sd)	1225cm <sup>2</sup>	1225cm <sup>2</sup>
REFERENCE EFFICIENCY (η <sub>0</sub> )	3.12%	2.8%
VOICE COIL	4.0"	4.0"
OVERHANG (X <sub>max</sub> )	5.0 mm	8.0 mm
MOVING MASS (M <sub>ms</sub> )	218gm	185gm
BL PRODUCT (BL)	29.64TM	25.3TM
COIL INDUCTANCE (Le)	1.9mH	2.1mH
OVERALL DIAMETER	476 mm	478 mm
DEPTH	205 mm	189 mm
BAFFLE HOLE DIAMETER	424 mm	427 mm
BOLT MOUNT DIAMETER (PCD)	450 mm (8 Bolts)	451 mm (8 Bolts)
WEIGHT	12.00kg	12.80kg





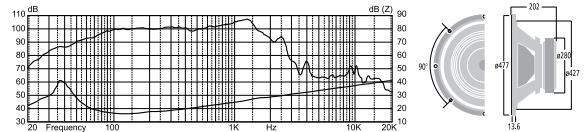
# Professional PA Speakers

Super power 18" extended low frequency speaker



## L18-SW1000 1000 WATTS

- Super power and reliable speaker for powerful bass & subwoofer applications.
- Robust aluminium die-cast frame with efficient heat dissipating vents. Aluminium demodulating ring for enhanced heat dissipation. 5" INSIDE/OUTSIDE CCAW voice coil for higher SPL.
- DOUBLE SPIDER design for better excursion control. GLASS FIBRE former voice coil for withstanding high temperatures.
- 5" INSIDE/OUTSIDE CCAW voice coil for higher SPL.
- Cone specially treated for water splash resistance.
- Ideal professional bass speaker for live music, sound reinforcement and all PA applications.



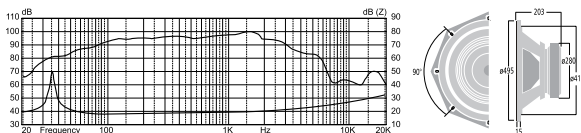
Super power 18" extended low frequency speaker



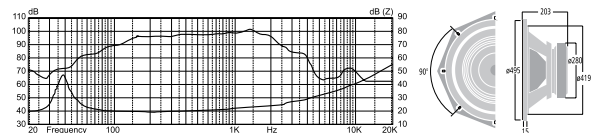
## L18-SW1300V/ L18-SW1300X 1300 WATTS

- Delivers deep, powerful bass in compact bass reflex as well as horn loaded sub-woofer design.
- L18-SW1300V has 4Ω and L18-SW1300X has 8Ω impedance.
- Assembled in a strong and well vented octagonal shaped aluminium die-cast frame.
- Aluminium demodulating ring for enhanced heat dissipation. Special double treated cone for water splash resistance
- Heavy duty 5" copper voice coil wound inside/outside on fibreglass former for withstanding high temperatures.
- Triple-rolled cloth surround with deep corrugations and double spider design to give better control of cone excursion.
- Ideal for usage in a wide variety of professional sub-woofer applications.

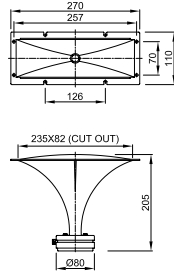
L18-SW1300X



L18-SW1300V

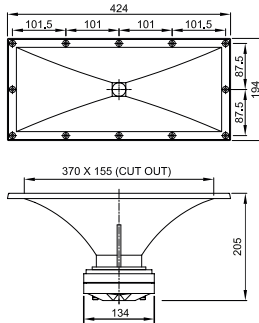


SPECIFICATIONS	L18-SW1000	L18-SW1300V/ L18-SW1300X
POWER RATING	1000W RMS/2000W Programme	1300W RMS/2600W Programme
NOMINAL DIAMETER	457mm (18")	457mm (18")
NOMINAL IMPEDANCE	8Ω	4Ω/8Ω
SENSITIVITY (1W/1m)	99dB	97dB
MAGNET WEIGHT	5.65kg	5.65kg
RESONANT FREQUENCY (Fs)	36Hz	37Hz/35Hz
DC RESISTANCE (Re)	5.6Ω	3.6Ω/5.6Ω
ELECTROMAGNETIC Q (Qes)	0.32	0.27
MECHANICAL Q (Qms)	14.70	4.33/12.9
TOTAL Q (Qts)	0.31	0.25/0.26
COMPLIANCE EQUIVALENT VOLUME (VAS)	249 Litr	186 Litr/209 Litr
SURFACE AREA OF CONE (Sd)	1257cm <sup>2</sup>	1257cm <sup>2</sup>
REFERENCE EFFICIENCY (η <sub>0</sub> )	3.6%	3.5%/2.95%
VOICE COIL	5.0"	5.0"
OVERHANG (X <sub>max</sub> )	8.0 mm	8.0mm/8.0mm
MOVING MASS (M <sub>ms</sub> )	169gm	212gm/229gm
BL PRODUCT (BL)	26.0TM	25.8TM/32.0TM
COIL INDUCTANCE (Le)	1.91mH	1.3mH/1.73mH
OVERALL DIAMETER	477 mm	475 × 455 mm
DEPTH	202 mm	202 mm
BAFFLE HOLE DIAMETER	427 mm	422 mm
BOLT MOUNT DIAMETER (PCD)	451.5 mm (8 Bolts)	443 mm (8 Bolts)
WEIGHT	19.60kg	18.80kg



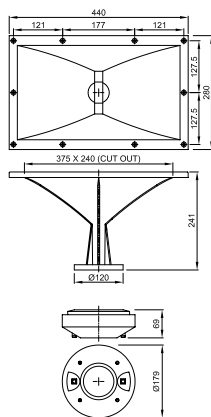
## CDH-200 20 WATTS

Professional compression driver-horn CDH-200 loudspeaker, is suitable for medium power speaker systems. It is ideal for use in a 200W to 300W system. Can be combined with a single Low Frequency speaker like AHUJA L12-MB200, L15-MB300, to make an excellent medium power full range speaker system.



## CDH-800 80 WATTS

Professional compression driver-horn CDH-800 loudspeaker, suitable for high power speaker systems. Owing to its titanium diaphragm the HF response is superb. Ideal for use with 2 nos. Low Frequency speakers AHUJA L15-MB300 to make a 600 watts speaker system. It can also be used with a single AHUJA L15-MB300 or L15-MB400 or L15-MB500. The solid glass filled ABS horn has a very even radiation and excellent sound. Thus it is ideal for all indoor as well as outdoor PA and professional DJ applications.



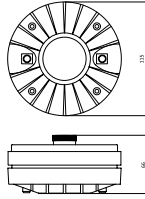
## CDH-1000 100 WATTS

Professional heavy duty 2" throat compression driver-horn loudspeaker CDH-1000 (Horn H-7380 + Driver CD-750) is suitable for very high power speaker systems. It reproduces Mid and High frequencies with superb accuracy. Ideal for use with 2 nos. Low Frequency speakers AHUJA L15-MB500 to make a 1000 watts speaker system. It can also be used with a single AHUJA L15-MB500. The horn is made of solid glass filled ABS. It has been designed specifically for all outdoor sound reinforcement applications.

SPECIFICATIONS	CDH-200	CDH-800	CDH-1000
POWER CAPACITY	20W RMS	80W RMS	100W RMS
THROAT DIAMETER	25.4 mm (1")	25.4 mm (1")	50 mm (2")
NOMINAL IMPEDANCE	8 Ω	8 Ω	8 Ω
SENSITIVITY (1W/1m)	105dB	108dB	108dB
USABLE FREQUENCY RANGE	3kHz-15kHz	1.5kHz-18kHz	500Hz-18kHz
RECOMMENDED CROSSOVER	4kHz 12dB/oct	2.5kHz 18dB/oct	1.2kHz 18dB/oct
VOICE COIL DIAMETER	25.4 mm	44.4 mm	72.2 mm
DIAPHRAGM MATERIAL	Phenolic Resin	Titanium	Titanium
VOICE COIL MATERIAL	Round Copper Wire	Edge Wound Copper	Edge Wound Copper
		Clad Aluminium Ribbon	Clad Aluminium Ribbon
VOICE COIL FORMER	Nomex	Resin Bonded Kapton	Resin Bonded Kapton
HORN MATERIAL	ABS with Glass Filled Black Polycarbonate	ABS with Glass Filled Black Polycarbonate	ABS with Glass Filled Black Polycarbonate
NOMINAL COVERAGE ANGLE	H100° x V80° (-5 dB)	H90° x V40° (-6dB)	H90° x V40° (-6dB)
HORN CUT OFF FREQUENCY	780Hz	600Hz	400Hz
MOUNTING CUTOUT	W235 × H82 mm	W370 × H155 mm	W375 × H240 mm
OVERALL DIMENSIONS	W270 × H110 × D205 mm	W424 × H194 × D205 mm	W440 × H280 × D241 mm (Horn only)
WEIGHT	1.36kg	3.45kg	6.20kg

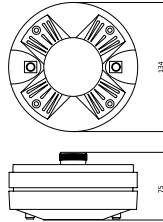


# PA Compression Drivers



## CD-50S 50 WATTS

Professional compression driver CD-50S, suitable for high power speaker systems. It features TITANIUM diaphragm EDGE WOUND copper clad aluminium ribbon wire voice coil and strontium ferrite magnet for high SPL & superb HF response. With a suitable horn it is ideal for use with low frequency speakers AHUJA L15-MB300, L15-MB400 and L15-MB500.



## CD-80S 80 WATTS

Professional compression driver CD-80S, suitable for high power speaker systems. It features TITANIUM diaphragm EDGE WOUND copper clad aluminium ribbon wire voice coil and strontium ferrite magnet for high SPL & superb HF response. With a suitable horn it is ideal for use with low frequency speakers AHUJA L15-MB300, L15-MB400 and L15-MB500.

SPECIFICATIONS	CD-50S	CD-80S
POWER CAPACITY	50W RMS	80W RMS
THROAT DIAMETER	25.4 mm (1")	25.4 mm (1")
NOMINAL IMPEDANCE	8Ω	8Ω
SENSITIVITY (1W/1m)	106dB (with Horn)	108dB (with Horn)
USABLE FREQUENCY RANGE	1,500-18,000Hz	1,500-18,000Hz
RECOMMENDED CROSSOVER	2.5kHz 18dB/oct	2.5kHz 18dB/oct
VOICE COIL DIAMETER	44.4 mm	44.4 mm
DIAPHRAGM MATERIAL	Titanium	Titanium
VOICE COIL MATERIAL	Edge Wound Copper Clad Aluminium Ribbon	Edge Wound Copper Clad Aluminium Ribbon
VOICE COIL FORMER	Resin Bonded Kapton	Resin Bonded Kapton
THROAT COUPLING	1-3/8" 18TPI, Throat Couple No.1	1-3/8" 18TPI, Throat Couple No.1
OVERALL DIMENSIONS	Ø115 × H66 mm	Ø134 × H75 mm
WEIGHT	1.57kg	2.67kg

## Piezo Tweeters

AHUJA introduces a variety of compact and powerful piezo tweeters, driver and horn with extended high frequency response, low distortion and excellent power handling capacity. These are ideal for use with existing AHUJA range of 12" and 15" professional PA speakers.

### APT-001

- Piezo tweeter.
- With horn front attachment for rear mounting.



### APT-016

- Piezo tweeter.
- Compact rectangular form.



### APT-025

- Rectangular high power piezo tweeter with deep low limit frequency



The piezo tweeters can be operated without a crossover network. However, it is recommended to connect a series resistor of about 20-50Ω (10-20W) or a metallised polyester capacitor of about 0.1-0.47mfd in order to avoid interfering effects and for proper matching of SPL levels with the woofer/full range speaker.

SPECIFICATIONS	APT-001	APT-016	APT-025
MAX. VOLTAGE	35V~	35V~	35V~
MUSIC POWER 4Ω/8Ω System	300W/ 150W	300W/ 150W	300W/ 150W
SPL (2.83V/1m)	94dB	91dB	92dB
FREQUENCY RESPONSE	4,000-20,000Hz	3,000-20,000Hz	1,800-20,000Hz
RADIATION ANGLE (V/H)	—	45° /90°	45° /90°
IMPEDANCE @ 1kHz	>1,000Ω	>1,000Ω	>1,000Ω
MOUNTING CUTOUT	73 mm	98 × 55 mm	155 × 58 mm
DIMENSIONS	85 × 85 mm	145 × 67 mm	187 × 80 mm
WEIGHT	65g	55g	100g

## ACX-202 Active Crossover



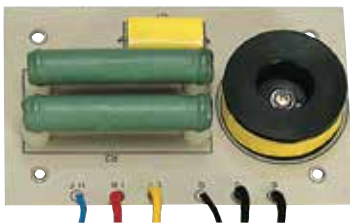
A highly reliable, high performance 2 channel active crossover for use with the best cabinet speakers and subwoofers. Apart from top speakers in stereo mode, ACX-202 allows subwoofers to be connected in either stereo or mono mode.

- Full Stereo mode with Dual High & Low frequency outputs. Six selectable crossover frequencies. Extra sharp 24db / octave filter for very clear separation of frequency bands.
- Separate output for connecting subwoofer in mono mode, with 2 selectable crossover frequencies & 24db / octave filter.
- Separate input level controls for each channel, with LED indicator for clipping level.
- Phase Reversal Facility for Lo Outputs.
- XLR as well as TRS connectors for balanced inputs & outputs.

### SPECIFICATIONS

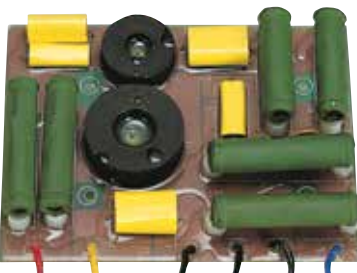
INPUT SENSITIVITY	1V/20k $\Omega$
LOW, HIGH OUT FILTER SLOPE	24dB/Oct
THD	<0.01%
CROSSOVER FREQUENCIES	For Stereo Mode: 60Hz, 80Hz, 100Hz, 120Hz, 180Hz, 250Hz / For Sub MONO Mode: 80Hz, 120Hz
FREQUENCY RANGE	20Hz to 20kHz
SIGNAL TO NOISE RATIO	85dB
INDICATIONS	Power ON LED, Clip LED
POWER SUPPLY	AC: 240V 50Hz
PROTECTION	AC: Fuse 1Amp. (T 1A L)
DIMENSIONS	W483 x H52 x D231 mm
WEIGHT	2.85kg

## Passive Crossovers



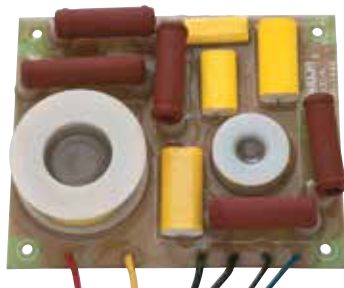
### C-300/200 300W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 1 no. LF woofer AHUJA model L15-MB300, L12-MB300 or L12-MB200.
- HF driver CDH-200.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.



### C-350/450 350W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 1 no. LF woofer AHUJA model L15-MB300 or L12-MB300.
- HF driver CDH-800.
- PTC for HF protection.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.



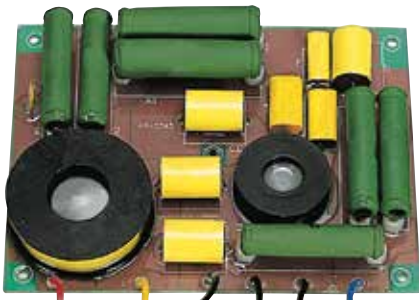
### C-500/450 500W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 1 no. LF woofer AHUJA model L15-MB400 or L15-MB500.
- HF driver CDH-800.
- PTC for HF protection.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.

SPECIFICATIONS	C-300/200	C-350/450	C-500/450
TYPE	Two-way crossover	Two-way crossover	Two-way crossover
POWER CAPACITY	300W	350W	500W
CROSSOVER FREQUENCY	4kHz	2kHz	2.5kHz
NOMINAL IMPEDANCE	8 $\Omega$	8 $\Omega$	8 $\Omega$
LOW PASS FILTER SLOPE	—	12dB/Octave	12dB/Octave
HIGH PASS FILTER SLOPE	12dB/Octave	18dB/Octave with protection	18dB/Octave with protection
DIMENSIONS	W146 x H32 x D95 mm	W187 x H32 x D141 mm	W170 x H32 x D140 mm
WEIGHT	335g	630g	625g

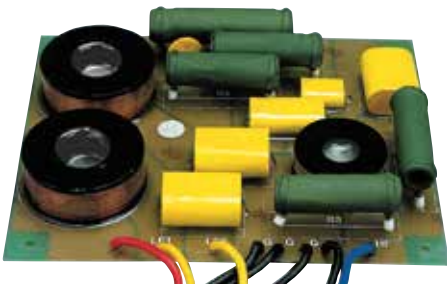






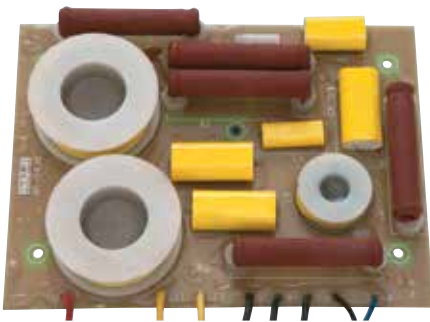
## C-500/750 500W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 1 no. LF woofer AHUJA Model L15-MB500.
- HF driver CDH-1000.
- PTC for HF protection.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.



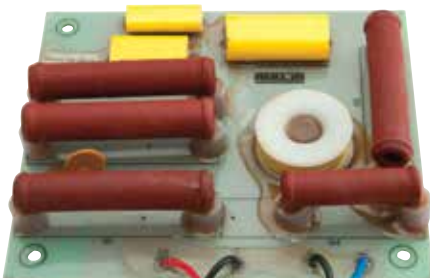
## C-600/450 600W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 2 nos. LF woofer AHUJA Model L15-MB300 or L12-MB300.
- HF driver CDH-800.
- PTC for HF protection.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.



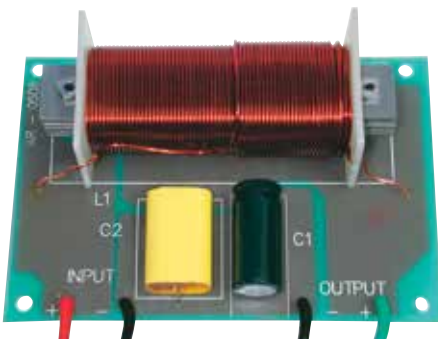
## C-1000/450 1000W RMS

- Professional 2-Way Passive Crossover Network.
- Designed for use with 2 nos. LF woofer AHUJA model L15-MB400 or L15-MB500.
- HF driver CDH-800.
- PTC for HF protection.
- High power and Low resistance Air core coils.
- High quality metallised polyester capacitors.



## C-80HF 500W RMS

- Professional 1-Way Passive HF Crossover Network for HF Driver.
- Designed for use with 2-Way Speaker System using 1 no. compression driver AHUJA model CDH-800 or CD-80S.
- High power and Low resistance coils.
- High quality metallised polyester capacitors.



## C-650SW 650W RMS

- Professional 1-Way Passive LF Crossover Network.
- Designed for use with 1 no. subwoofer AHUJA model L18-SW650.
- Also usable with 1 no. Subwoofer system AHUJA model SWX-650.
- High power and Low resistance coils.
- High quality metallised polyester capacitors.

SPECIFICATIONS	C-500/750	C-600/450	C-1000/450	C-80HF	C-650SW
TYPE	Two-way crossover	Two-way crossover	Two-way crossover	HF crossover	Subwoofer crossover
POWER CAPACITY	500W	600W	1000W	500W	650W
CROSSOVER FREQUENCY	1.2kHz	2.5kHz	2.5kHz	2.5kHz	250Hz
NOMINAL IMPEDANCE	8Ω	4Ω	4Ω	8Ω	8Ω
LOW PASS FILTER SLOPE	12dB/Octave	12dB/Octave	12dB/Octave	—	12dB/Octave
HIGH PASS FILTER SLOPE	18dB/Octave with protection	18dB/Octave with protection	18dB/Octave with protection	18dB/Octave with protection	—
DIMENSIONS	W225 x H35 x D169 mm	W180 x H32 x D150 mm	W220 x H35 x D166mm	W161 x H32 x D140mm	W140 x H32 x D95mm
WEIGHT	1.11kg	805g	1.01kg	355g	675g

# Portable PA Amplifier System

Convenient, Compatible & Complete:

AHUJA portable PA Systems are attractive, ready to use packaged systems with amplifier and speaker all supplied in one integrated package.



Tour Guides | Traffic Police

Class Rooms | Mobile Announcements

Religious Discourses | Private Parties

Clubs & Community Centers

## XPA-3010DP

250 WATTS



Rear Panel



XPA-3010DP has a built-in Power Amplifier with multiple inputs for use in a wide variety of PA and Musical Programmes. Feature packed XPA-3010DP is an ideal equipment for small as well as medium gatherings of around 200 people. Applications include Music and Vocal Performances, Conferences and Lectures, Presentations, Religious Discourses and Gatherings, Stage Monitors, Touring PA, Mini-Theatres, Pubs and Bars etc.

- 3 Microphone Inputs with MIC1 Priority.
- Inputs for CD & Aux sources, Line Input.
- Line out to link another XPA-3010DP, or for recording on a computer, record player.
- 2-Way Speaker System 12" LF Woofer (ø2.5" voice coil) + Dynamic Horn (ø1.75" voice coil).
- Built-in MP3 player with USB, SD/MMC card reader, bluetooth facility & remote control.
- For using wireless microphone systems, 12V DC output is available for connecting a wireless receiver.
- Moulded Cabinet PA Speaker System.

### SPECIFICATIONS

POWER OUTPUT	250W RMS at 1% THD 200W RMS at 0.5% THD
OUTPUT REGULATION	≤ 0.5dB, no load to full load at 1kHz
INPUT CHANNELS	3 × Mic 2.0mV/4.7kΩ, 1 × Aux 250mV/470kΩ, Line in: 1V/10kΩ
FREQUENCY RESPONSE	35-20,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass: ±5dB at 100Hz, Treble: ±5dB at 10kHz
LINE OUTPUT	1V/1kΩ
DIGITAL PLAYER	MP3 Player with USB, SD/MMC Card reader and Bluetooth
PROTECTIONS	AC: Fuse 1 × 4A (T 4A L) DC: 2 × 6A Fuse (T 6A L)
POWER SUPPLY	AC: 220-240V 50/60 Hz
DC OUTPUT	12V/500mA
AC POWER CONSUMPTION	300VA
DIMENSIONS	W385 × H585 × D305 mm
WEIGHT	21.00kg



## XPA-1510DP

125 WATTS



Rear Panel



XPA-1510DP has a built-in Power Amplifier with multiple inputs for use in a wide variety of PA and Musical Programmes. Feature packed XPA-1510DP is an ideal equipment for small as well as medium gatherings of around 100 people. Applications include Music and Vocal Performances, Conferences and Lectures, Presentations, Religious Discourses and Gatherings, Stage Monitors, Touring PA, Mini-Theatres, Pubs and Bars etc.

- 3 Microphone Inputs with MIC1 Priority.
- Inputs for CD & Aux sources, Line Input.
- Line out to link another XPA-1510DP, or for recording on a computer.
- 2-Way Speaker System 10" LF Woofer ( $\varnothing 2''$  voice coil) + Dynamic Horn ( $\varnothing 1.0''$  voice coil).
- Built-in MP3 player with USB, SD/MMC card reader, bluetooth facility & remote control.
- For using wireless microphone systems, 12V DC output is available for connecting a wireless receiver.
- Moulded Cabinet PA Speaker System.

### SPECIFICATIONS

POWER OUTPUT	125W RMS at 1% THD 100W RMS at 0.5% THD
OUTPUT REGULATION	$\leq 0.5\text{dB}$ , no load to full load at 1kHz
INPUT CHANNELS	3 $\times$ Mic 2.0mV/4.7k $\Omega$ , 1 $\times$ Aux 250mV/470k $\Omega$ Line in: 1V/10k $\Omega$
FREQUENCY RESPONSE	40-20,000Hz $\pm 3\text{dB}$
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass: $\pm 5\text{dB}$ at 100Hz, Treble: $\pm 5\text{dB}$ at 10kHz
LINE OUTPUT	1V/1k $\Omega$
DIGITAL PLAYER	MP3 Player with USB, SD/MMC Card reader and Bluetooth
PROTECTIONS	AC: Fuse 1 $\times$ 3A (T 3A L) DC: 2 $\times$ 5A Fuse (T 5A L)
POWER SUPPLY	AC: 220-240V 50/60 Hz
DC OUTPUT	12V/500mA
AC POWER CONSUMPTION	250VA
DIMENSIONS	W325 $\times$ H485 $\times$ D255 mm
WEIGHT	13.50kg





# Portable PA Amplifier Systems

## PSX-600DP 50 WATTS



PSX-600DP has a built-in power amplifier with multiple inputs for use in a wide variety of PA and musical instrument applications. Built-in MP3 player is useful for music applications for small gathering. It operate on both AC mains as well as 12V car battery making it ideal for use both indoors and outdoors. Ideal for Musical and Vocal Performances, Small Outdoor Gatherings, Religious Discourses, Lectures, Presentations.

- 50W Portable Public Address System with a top handle.
- Mic and Aux inputs. Active Tone Controls and Master Control.
- Preamp output for recording and connecting to an additional PSX-600DP.
- 2nos. 8" dual cone full range speakers. Stand mountable.
- Instant transfer to DC power (12V car battery) if AC power fails.
- Built-in MP3 player with USB, SD/MMC card reader, bluetooth facility & remote control.

## BSX-602DP 50 WATTS



Rear Panel



BSX-602DP features a built-in rechargeable 7.2Ah battery and a suitable, well designed circuit for charging the battery from AC mains. Low Battery LED indication is provided, along with a circuit to prevent deep discharge of the battery. The built-in battery makes the BSX-602DP Portable PA System truly versatile, allowing it to be carried and operated anywhere. It is ideal for outdoor meetings, coaching classes, lecture halls, presentations, exhibitions, field publicity etc.

- 50W Portable Public Address System.
- Uses Class D technology.
- Lower current consumption in Class D ensures longer battery backup.
- For using wireless microphone systems, 12V DC output is available for connecting a wireless receiver.
- 203mm (8"/8Ω) dual core full range speaker.
- Elegant and stylish looking moulded cabinet.
- Built-in MP3 player with USB, SD/MMC card reader, bluetooth facility & remote control.

SPECIFICATIONS	PSX-600DP	BSX-602DP
POWER OUTPUT	50W RMS at 5% THD 40W RMS at 1% THD	50W RMS at 5% THD 40W RMS at 1% THD
OUTPUT REGULATION	≤ 2dB, no load to full load at 1kHz	≤ 2dB, no load to full load at 1kHz
INPUT CHANNELS	2 × Mic 0.65mV/4.7kΩ, 1 x Aux 200mV/330kΩ	2 × Mic 1.5mV/4.7kΩ, 1 x Aux 100mV/330kΩ
FREQUENCY RESPONSE	50-18,000Hz ±3dB	50-18,000Hz ±3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	Bass: ±5dB at 100Hz, Treble: ±5dB at 10kHz	Bass: ±5dB at 100Hz, Treble: ±5dB at 10kHz
PREAMP OUTPUT	200mV/600Ω	200mV/600Ω
PROTECTIONS	Fuse AC 2A, DC 8A	Fuse AC 1A, DC 6A
DIGITAL PLAYER	MP3 Player with USB, SD, MMC Card Reader and Bluetooth	MP3 Player with USB, SD, MMC Card Reader and Bluetooth
POWER SUPPLY	AC: 220V-240V 50/60Hz DC: 12V (12V Car Battery)	AC: 220V-240V 50/60Hz DC: 12V (12V Car Battery) and 12V Built-in 7Ah Rechargeable Battery
DC OUTPUT	—	12V/250mA
AC POWER CONSUMPTION	100VA	50VA
DIMENSIONS	W530 x H430 x D235 mm	W270 x H410 x D280 mm
WEIGHT	15.60kg	8.60kg

## PSX-300DP 15 WATTS



PSX-300DP is a compact PA Systems housed in rugged carpet covered wooden cabinets. Built-in power amplifier with multiple inputs for use in a wide variety of mobile PA applications. Operates on AC mains, 12V car battery or 8× 1.5V UM-1 cells, making ideal for both indoor and outdoor applications such as Musical and Vocal Performances, Small Gatherings, Religious Discourses, Lectures, Presentations etc.,

- 15W Portable Public Address System.
- Mic and Aux inputs with Tone Control.
- 165mm (6.5"/6Ω) dual cone full range speaker.
- Fitted with a handle for easy transportation.
- Instant transfer to DC power (12V car battery) if AC power fails & battery is connected.
- Built-in MP3 digital player with remote control.



PSX-300DP Top View

## PSX-302DP 15 WATTS



PSX-302DP features a built-in rechargeable 7.27.2Ah battery and a suitable, well designed circuit for charging the battery from AC mains. Low Battery LED indication is provided, along with a circuit to prevent deep discharge of the battery. The built-in battery makes the PSX-302DP Portable PA System truly versatile, allowing it to be carried and operated anywhere. It is ideal for outdoor meetings, coaching classes, lecture halls, presentations, exhibitions, field publicity etc.

- 15W Portable Public Address System.
- Mic & Aux inputs with Tone control.
- 165mm (6.5" / 6 ohm) dual cone full range speaker.
- Fitted with a handle for easy transportation.
- Three power source operation: AC Mains, 12V external battery, or built-in 12V rechargeable battery.
- Built-in MP3 player with remote control.



PSX-302DP Top View

SPECIFICATIONS	PSX-300DP	PSX-302DP
POWER OUTPUT	15W RMS at 10% THD 10W RMS at 1% THD	15W RMS at 10% THD 10W RMS at 1% THD
OUTPUT REGULATION	≤ 2dB	≤ 2dB
INPUT CHANNELS	2 × Mic 1.5mV/4.7kΩ 1 x Aux 100 mV/330kΩ	2 × Mic 1.5mV/4.7kΩ 1 x Aux 100 mV/330kΩ
FREQUENCY RESPONSE	120-15,000Hz ± 3dB	120-15,000Hz ± 3dB
SIGNAL TO NOISE RATIO	60dB	60dB
TONE CONTROLS	-10dB at 10kHz	-10dB at 10kHz
PROTECTIONS	Fuse AC 1A, DC 4A	Fuse AC 1A, DC 4A
DIGITAL PLAYER	MP3 Player with USB	MP3 Player with USB
POWER SUPPLY	AC : 220V-240V 50/60Hz DC: 12V (12V Car Battery) and 8× 1.5V UM-1 Cells	AC : 220V-240V 50/60Hz DC: 12V (12V Car Battery) and 12V Built-in rechargeable battery
AC POWER CONSUMPTION	50VA	50VA
DIMENSIONS	W245 x H295 x D175 mm	W245 x H345 x D175 mm
WEIGHT	5.70kg	8.20kg



# Portable PA Amplifier Systems

## WP-220 20 WATTS



Ahuja introduces a truly portable, highly versatile and attractive 20 Watts Max. PA Wireless Amplifier WP-220. Ideal for various Indoor and Outdoor applications such as Small Gatherings, Presentations, Performances, Bus Tours, Classrooms etc.,

- Supplied with Handheld wireless microphone model WM-22, and is available in different frequencies.
- Built-in digital MP3 player and recorder.
- Digital echo effects provided.
- Provision for connecting one wired microphone & an AUX source like a CD player or Mixer using 3.5mm phone jack.
- Tone control provided for adjusting the tone settings.
- Operates on AC mains, 12V external car battery & 12V 1.2Ah internal rechargeable lead acid battery.
- Facility for recharging a 12V 1.2Ah internal battery and 8.4V rechargeable battery for handheld transmitter.
- 8 Ohm speaker output for connecting an external speaker.

SPECIFICATIONS	AMPLIFIER
AUDIO OUTPUT	20W Max.
INPUT CHANNELS SENSITIVITY	Mic 6mV, Aux 200mV
AUX OUTPUT	400mV
TONE CONTROLS	Bass: $\pm 6$ dB at 80Hz Treble: $\pm 6$ dB at 8kHz
USB/SD PLAYER	MP3 and WMA format
POWER REQUIREMENTS	AC 220-240V, 50/60Hz DC 12-15V Car Battery, 12V 1.2Ah Rechargeable Battery
POWER CONSUMPTION	AC: 35W, DC: 2A
PROTECTION	DC Fuse T 3A/250V
WIRELESS RECEIVING MODE	Quartz Controlled Fixed Frequency
WIRELESS RANGE	Over 20m in Free Space (Line of Sight)
DIMENSION	W200 $\times$ H295 $\times$ D122 mm
WEIGHT	2.60kg

SPECIFICATIONS	TRANSMITTER
RF OUTPUT POWER	10mW (Max.)
MAX. MODULATION	45dB
FREQUENCY RESPONSE	50-15,000Hz
BATTERY	1 $\times$ 9V Battery
DIMENSION	$\varnothing 52 \times L242$ mm
WEIGHT	150g (without battery)

## ABA-4000

325 WATTS



Rear Panel



ABA-4000 has a built-in Bi-Amplifier for woofer and HF driver separately, for use in a wide variety of Professional and PA Programmes. Feature packed ABA-4000 is an ideal equipment for applications such as in Professional Music and Vocal Performances, Touring PA, Mini-Theatres, Pubs and Bars, Religious Gatherings, Stage Monitors etc.

- 1 × Balanced Mic/Line Input selectable through a push switch.
- 1 × Line Input can be used for connecting balanced MONO signal through jack or unbalanced STEREO signal source through dual RCA.
- Switchable balanced output either as a Loop through output of Input-1 or a mix output of Input-1 and 2.
- Balanced output to link another ABA-4000 or for recording on a computer, record player.
- 2-Way Speaker System: 12" LF Woofer (ø2.5" voice coil) + Dynamic Horn (ø1.75" voice coil).
- Moulded Cabinet Bi-Amp Speaker System.

### SPECIFICATIONS

POWER OUTPUT (Bi-AMP)	LF: 275W RMS at 1% THD Class H, HF: 50W RMS at 1% THD Class AB
OUTPUT REGULATION	≤ 0.5dB, no load to full load at 1kHz
INPUT CHANNELS	INPUT-1: MIC 20mV/3kΩ balanced, LINE: 775mV/10kΩ balanced, INPUT-2: LINE (Jack) 250mV/20kΩ balanced, RCA: 250mV (L&R)/10kΩ
FREQUENCY RESPONSE	50-20,000Hz ± 3dB
CROSSOVER FREQUENCY	2kHz, Filter Slope 24dB per octave
SIGNAL TO NOISE RATIO	60dB
TONE CONTROLS	Bass: ±5dB at 100Hz, Treble: ±5dB at 10kHz
OUTPUT	a) Loop through (INPUT-1): 20mV or 775mV b) Mixed Output (1+2): 775mV/1kΩ
PROTECTIONS	AC: Fuse 1 × 4A (T 4A L) DC: Fuse 2 × 6A (T 6A L)
POWER SUPPLY	AC: 220-240V 50/60 Hz
AC POWER CONSUMPTION	375VA
DIMENSIONS	W385 × H585 × D305 mm
WEIGHT	20.80kg





# PA Lectern System

## WSL-2500R

40 WATTS

- Compact, versatile and easy-to-assemble wireless Lectern Amplifier with built in 40W amplifier.
- Contains a built-in speaker system consisting of 3nos. 6.5" (165mm) coated dual cone speakers. Provision given for connecting external speaker, if required.
- Supplied with a detachable gooseneck condenser microphone and a reading light for the podium top.
- Contains a built-in VHF wireless diversity receiver. High quality VHF handheld wireless transmitter supplied. (Available in different frequencies).
- Provision for connecting a wired microphone through a 6.3mm phone jack or a line source through an XLR connector.
- Handheld wireless transmitter & gooseneck podium microphone have voice priority over all other inputs. This feature can be switched ON or OFF through a slide switch.
- Built in digital recorder cum MP3 player, which can record on USB pen drives or SD cards.
- Facility for connecting a stereo auxiliary source through L&R RCA plug. It accepts four different sensitivities of auxiliary signal which are selectable through a slide switch.
- Separate output connectors for LINE OUT & REC OUT through mini male XLR & 6.3mm phone socket respectively, allowing the lectern system to be connected to external amplifiers for further amplification, if required.
- Tonal adjustment can be done through cut-boost type Bass & Treble controls.
- Rugged & stable floor standing base. Can be fixed to the floor with brackets (provided), if required.
- Operates on 240V 50Hz mains supply.
- Some assembly by the customer required.



RECEIVER AMPLIFIER	
POWER OUTPUT	40 Watts Max.
SPEAKER IMPEDANCE (External)	4Ω
INPUT CHANNELS SENSITIVITY	Mic-1: 3.0mV Mic-2: 1.8mV, Line: 100mV, Aux Position-1: 100mV, Aux Position-2: 180mV, Aux Position-3: 300mV, Aux Position-4: 700mV
FREQUENCY RESPONSE	100-16,000Hz
TONE CONTROL	Bass: ±6dB at 80Hz, Treble: ±6dB at 8kHz
REC. OUTPUT	1V (nominal)
POWER SUPPLY	AC 220-240V, 50/60Hz
POWER CONSUMPTION	AC 100W
DIMENSIONS	W420 × H1135 × D580 mm
WEIGHT	18.30kg

HANDHELD WIRELESS TRANSMITTER	
MICROPHONE	Dynamic Unidirectional
FREQUENCY STABILITY	±0.005%
SPURIOUS EMISSIONS	45dB (max.)
RF OUTPUT POWER	15mW (max.)
FREQUENCY RESPONSE	50 - 15,000Hz
DYNAMIC RANGE	100dB
BATTERY	9V
DIMENSIONS	∅55 × L244 mm
WEIGHT	200g (without battery)

USB pen drive not supplied. Picture is not to scale



## PM-99®R

25 WATTS ■ Message Record/Playback Facility

- 20 seconds Voice Recording & Playback.
- Works on UM-1 (large) Dry Cells & 12V Car Battery.
- Longer Battery Life due to special design for low current consumption.
- Loud & Clear Sound even at long distance.
- Additional Speaker can be externally connected for louder, distributed sound.



## PM-99®

25 WATTS ■ Super Power Megaphone

- Works on UM-1 (large) Dry Cells & 12V Car Battery.
- Longer Battery Life due to special design for low current consumption.
- Loud & Clear Sound even at long distance.
- Additional Speaker can be externally connected for louder, distributed sound.
- Supplied with Microphone.



## AM-21SD

20 WATTS ■ Shoulder Sling Type

- Dry Cell & 12V Car Battery operation.
- Class-D Amplifier provides extremely high efficiency of power consumption that extends the battery life to around 15 hours.
- All ABS body, sturdy yet lightweight.
- Built-in Siren.
- Clear sound, long range & efficient design.
- Microphone with Volume Control & Press-to-Talk Switch.

SPECIFICATIONS	PM-99®R	PM-99®	AM-21SD
POWER OUTPUT	16W Rated/25W Max.	16W Rated/25W Max.	16W Rated/20W Max.
VOICE RANGE	Approx. 500m	Approx. 500m	Approx. 400m (Siren 500m)
POWER SOURCE	12-14V DC, 8 × UM-1 Cells / Car Battery	12-14V DC, 8 × UM-1 Cells / Car Battery	12V DC, 8 × UM-2 Cells / Car Battery
MICROPHONE	Unidirectional, 600 ohms	Unidirectional, 600 ohms	Unidirectional
INPUTS	2 × Mic 4.5mV, 1 × Aux 60mV	2 × Mic 4.5mV, 1 × Aux 60mV	Dedicated Microphone
DIMENSIONS	W230 × H320 × D220 mm	W230 × H320 × D220 mm	Horn Ø220mm, L370 mm
WEIGHT	4.00kg	4.00kg	2.20kg (without cells)





## AM-20HD

20 WATTS ■ Hand Grip Type

- Dry Cell & 12V Car Battery operation.
- Class-D Amplifier provides extremely high efficiency of power consumption that extends the battery life to around 15 hours.
- All ABS body, sturdy yet lightweight.
- Built-in Siren & Microphone.
- Clear sound, long range & efficient design.
- Conveniently located Volume Control & Switch.

## CLH-33

10 WATTS ■ Compact Loud Hailer

- Compact and Lightweight Megaphone. Ergonomic Design - Easy to Hold & Carry. Transparent Horn.
- All ABS Body – Sturdy but Light Weight. High Efficiency & Clear sound.
- Pencil cells AA type (6 × UM-3) used.
- Microphone with volume control and Push type ON/OFF Switch.
- Power ON LED indication provided.

SPECIFICATIONS	AM-20HD	CLH-33
POWER OUTPUT	16W Rated/20W Max.	5W Rated/10W max.
VOICE RANGE	Approx. 400m (Siren 500m)	—
POWER SOURCE	12V DC, 8 × UM-2 Cells / Car Battery	9V DC (6 x UM-3 Cells)
MICROPHONE	Unidirectional	Unidirectional
INPUTS	Built-in Microphone	Built-in Microphone
DIMENSIONS	Horn Ø220mm, L370 mm	Horn Ø185mm, L300 mm
WEIGHT	2.20kg (without cells)	1.00kg (with cells)

# Headphones



## AHP-600

Multipurpose Stereo Headphones

AHP-600, a high quality, reliable stereo headphone designed for a variety of monitoring and PA applications. The headphones are comfortable to use, and feature excellent performance and sound quality. They are ideally suited for DJs as well as for Hi-Fi music enjoyment.

- Lightweight neodymium magnet stereo headphones.
- Dynamic 40mm dia speakers.
- Ultra wide frequency response.
- Compact, oval shaped ear cups.
- Adjustable headband.
- 3m cable with 6.3mm phone plug.

### SPECIFICATIONS

DRIVER	Neodymium Dynamic Element 40mm Dia
FREQUENCY RANGE	20-20,000Hz
IMPEDANCE	32Ω
MAX. POWER	100mW
CABLE LENGTH	3m approx.

## NBA-20DP

12 WATTS ■ Neckband PA System

- Elegant and compact ultra portable PA amplifier with max. output power of 12W.
- Built-in MP3 digital player for playback of music through a USB drive or a TF card.
- Special circuitry provides low distortion even at high output power. Built-in high capacity rechargeable lithium-ion battery. Low battery LED indicator.
- Ø 3.5mm Mic input socket for connecting the headband microphone and 3.5mm Line input socket for connecting a DVD, CD or an MP3 player.
- Apart from the headband mic provided, the mic input socket can also accept input from Ahuja Condenser Microphones CTP-10DX, UTP-30 (used without their cell compartment).
- Convenience of use. The unit can be used while hanging on the shoulder or by putting around the neck.
- Ideal for: Teaching, Tour Guides, Yoga Classes, Play Schools etc. ...

## NBA-15

12 WATTS ■ Neckband PA System

- Elegant and compact ultra portable PA amplifier with max. output power of 12W.
- Special circuitry provides low distortion even at high output power. Built-in high capacity rechargeable lithium-ion battery. Low battery LED indicator.
- Ø 3.5mm Mic input socket for connecting the headband microphone and 3.5mm Line input socket for connecting a DVD, CD or an MP3 player.
- Convenience of use. The unit can be used while hanging on the shoulder or by putting around the waist.
- Ideal for: Teaching, Tour Guides, Yoga Classes, Play Schools etc. ...



SPECIFICATIONS	NBA-20DP	NBA-15
POWER OUTPUT	12W Max.	12W Max.
SPEAKER IMPEDANCE	4Ω	4Ω
INPUT CHANNEL	Mic-1: 1.0mV, Line: 250mV	Mic-1: 1.0mV, Line: 250mV
DIGITAL PLAYER	USB & TF Card (16GB max.)	—
FREQUENCY RESPONSE	80-12,000Hz	80-12,000Hz
AC ADAPTER	AC: 100-240V, 50/60HZ; DC: 5V, 750mA	AC: 100-240V, 50/60HZ; DC: 5V, 750mA
RECHARGEABLE LITHIUM-ION BATTERY	3.7V, 2000mAh	3.7V, 2000mAh
HEADBAND MICROPHONE ELEMENT	Condenser, Cardioid	Condenser, Cardioid
DIMENSIONS	W86 × H98 × D44 mm (amplifier only)	W86 × H98 × D44 mm (amplifier only)
WEIGHT (with rechargeable battery)	340g (amplifier only)	340g (amplifier only)





# Counter Communication System

## CCS-2300

### AC Operation



CCS-2300, a two-way counter communication system, exclusively designed for easy and effective conversation across counters with transparent security barriers. It consists of an attendant unit, a customer unit and a power supply unit, which are easy to install and simple to connect through dedicated cables as supplied with the system.

- Unique design, pleasing aesthetics & rugged construction.
- Two-way, hands-free communication.
- Easy, hassle-free installation.
- Compact & elegant table top attendant unit with 500mm (20") long gooseneck microphone for strain-free usage.
- A 3.5mm jack socket is provided for connecting a headband microphone like Ahuja HBM-50. This is useable by the attendant as an alternate to the fixed gooseneck microphone.
- Separate controls for adjusting the speech levels during Talk & Listen modes of operation.
- Special Auto-Mute ON/OFF option provided through a toggle switch. In Auto-Mute ON condition, the customer's microphone is partially muted if it is not used for 30 sec. approx. This facility prevents the attendant from being disturbed by unwanted outside noise.
- The customer's unit has an efficient speaker and a sensitive condenser cartridge, mounted in a beautifully designed housing.
- Attendant's microphone has voice priority over the customer's microphone.



#### SPECIFICATIONS

Output	2W (Max.) in each amplifier
Microphone Element	Electret Condenser in both the units.
Auto Mute 'ON'	Enables after 30 seconds (approx.)
Power Requirement	AC: 220-240V, 50/60Hz
Protections	AC Fuse 1 × 0.5A
Dimensions	
Attendant Unit	W116 x H65 x D170 mm (w/o gooseneck)
Customer Unit	Ø98 x D52mm
Power Supply Unit	W85 × H58 × D150 mm
Weight	
Attendant Unit	1.30kg
Customer Unit	480g
Power Supply Unit	930g
Accessories	1 No. of fuse 0.5A, 2 Nos. of M4 moulded screws, 2 Nos. of self adhesive DUAL LOCK tape, 4.5mtrs. of interconnecting cable for Customer unit

## PA MICROPHONE STANDS

AHUJA Microphone stands employ sturdy mechanism ensuring trouble free movement and positioning of microphones. These stands are functional and resistant to corrosion, due to superior quality of chrome plating/powder coating. These stands are with 5/8" 27 TPI to match all AHUJA MICROPHONES.



SPECIFICATIONS	ATS-5	DGT	ATS-200	DGN	AFS-201	BMS-101
TYPE	Table Stand	Table/Floor Stand	Table/Floor Stand	Floor Stand	Floor Stand	Boom Stand
HEIGHT	130 mm	350-530 mm	350-530 mm	920-1500 mm	920-1500 mm	1000-1700 mm
BASE DIA	120 mm	150 mm	150 mm	230 mm	230 mm	650 mm
WEIGHT	760g	2.20kg	2.22kg	4.60kg	4.41kg	2.16kg

## PA SPEAKER STANDS

Aluminium speaker stands designed for quick and easy installation. Equipped with rigid clamping system. A steel locking pin has been provided for extra safety, which gives secure positioning of elevated equipment. Coated with black powder paint for long life.



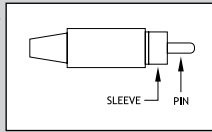
SPECIFICATIONS	STA-100	STA-150
HEIGHT ADJUSTMENT	2½' -3½'	3½' -6½'
LOAD CAPACITY	25.0kg	40.0kg
WEIGHT	3.00kg	4.70kg

## CONNECTORS

There are various connectors used with the Ahuja range of PA Products.

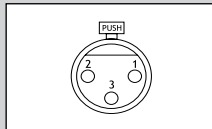
### 1. RCA Phono Plug

A popular audio connector used on auxiliary inputs & booster in/out connections; also commonly used on mixers, CD & tape players. They are wired using single core screened cable.



### 2. XLR Plug

This is the industry standard microphone connector; robust and relatively simple to install. There are a number of ways in which they can be wired.



#### Balanced Operation

Pin 1 connects to screen (Signal earth)  
Pin 2 connects to signal + (Live)  
Pin 3 connects to signal - (Return)

#### Quasi Balanced Operation

Pins 1 & 3 connects to the screen of the cable  
Pin 2 connects to signal conductor.

The Pin numbers are identified on the XLR plug and an easy way to remember how they should be wired is:

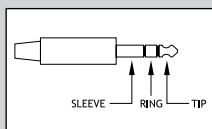
- X = Earth (Pin 1)
- L = Live (Pin 2)
- R = Return (Pin 3)

### 3. 6.3mm (1/4") Phone Plug

There are two versions of this connector in common use, MONO & STEREO.

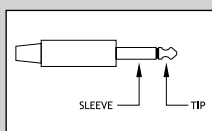
The STEREO plug is used for BALANCED operation and wired as follows:

- TIP - Signal +
- RING - Signal -
- SLEEVE - Screen



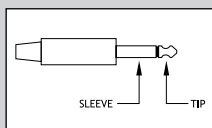
The MONO plug is used for UNBALANCED operation and wired as follows:

- TIP - Signal +
- SLEEVE - Screen



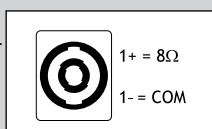
The MONO plug is also used for QUASI-BALANCED operation and is wired as follows:

- TIP - Signal +
- SLEEVE - Signal -, Screen



### 4. SPEAKON Plug

This is used in some models of Ahuja speaker systems for connecting to an amplifier. The pin configurations are as shown in the diagram:



## LOUDSPEAKER CABLE SIZE & CONNECTIONS

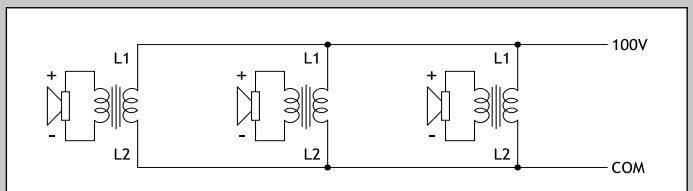
### 100V LINE

When installing a 100V line system, it is important that the correct size of cable is used to connect the speakers to the amplifier. The following chart gives an indication of the maximum cable length which can be used for each type of cable (cables specified by number & diameter of wire in mm).

100V Amp	24/0.2	32/0.2	48/0.2	80/0.2	128/0.2	122/0.25
30W	800m	1066m	1600m	2666m	4266m	6400m
60W	400m	533m	800m	1333m	2133m	3200m
120W	200m	266m	400m	666m	1066m	1600m
240W	100m	133m	200m	333m	533m	800m

As the voltage on the line can approach 100 volts, installation must follow best practice with double insulated cable being used. Cable runs should be kept away from any potential source of interference such as 3 phase mains, data, telecom cables etc.

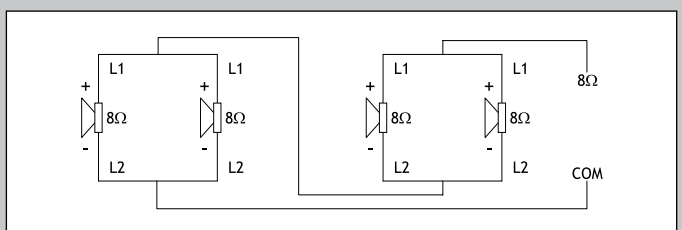
100V Line System must always be wired in PARALLEL:



NOTE: The total load presented to the amplifier must not exceed the rated output of the amplifier or damage can result.

### LOW IMPEDANCE

All the amplifiers in the Ahuja range have the facility for connection of low impedance loudspeakers. On low impedance, to minimize power losses, short cable runs are recommended. Where it is intended to use multiple low impedance speakers to cover an area, the speakers must be wired in a series/parallel arrangement in such a way to present the correct load to the amplifier.



NOTE: The total load impedance presented to the amplifier must never be below the rated amplifier impedance, otherwise damage can result. To avoid damage to the speakers the total wattage of the driver units should be at least 30% higher than the rated power output of the amplifier.

You must NEVER mix 100V line and low impedance speakers on the same system.

## IP DEGREES OF PROTECTION

IP protection is given as two figures.

For example: IP66

The 1st numeral (6) - Dust tight. No ingress of dust.

The 2nd numeral (6) - Protected against heavy seas, or water projected in powerful jets shall not enter the enclosure.

1st Numeral: Protection of persons and from solid objects

1		Protected against solid objects greater than 50 mm Ø Can not touch the live part in the enclosure with hand.
2		Protected against solid objects greater than 12 mm Ø Can not touch the live part in the enclosure with finger tip.
3		Protected against solid objects greater than 2.5 mm Ø Can not touch the live part in the enclosure with tools,wires.
4		Protected against solid objects greater than 1.0 mm Ø Can not touch the live part in the enclosure with tools, wire.
5		Dust protected. Ingress of dust is not totally prevented but satisfactory operation of the equipment is available.
6		Dust tight. No ingress of dust.

2nd Numeral: Protection from ingress of water

1		Protected against dripping water.
2		Protected against dripping water when tilted upto 15°.
3		Protected against spraying water at angle up to 60° from the vertical.
4		Protected against splashing water from any direction.
5		Protected against water jets by a nozzle against the enclosure from any direction.
6		Protected against heavy seas or water projected in powerful jets shall not enter the enclosure.
7		Protected against the effects on immersion.
8		Protected against submersion.

## KEY TO SYMBOLS USED

2-Zone Operation	Supercardioid	Two Speakers 12"
19" Rack Mounting	Omnidirectional	One Speaker 12"
Telephone Input	IP Rating	Two Way Speaker System
Headphone Output	100V Line	Subwoofer
Stereo Headphone	Double Insulated	Compliance to EU Standards
Unidirectional Cardioid	Weatherproof	New Product

## GENERAL INSTALLATION PRECAUTIONS

DO NOT run microphone cables near mains, data, telephone or 100V line cables.

DO NOT run 100V line cables near data, telephone or other low voltage cables.

DO NOT exceed 90% of the amplifier's output power when using 100V line (speech only).

DO NOT exceed 70% of the amplifier's output power when using 100V line (high level music or voice).

DO NOT over-drive the mic inputs. (In certain PA applications an extremely high speech signal is fed to the microphone. This results in a highly distorted output, thereby damaging driver unit/speaker voice coil). For such applications connect the microphone through an attenuator to the amplifier.

ALWAYS keep 'Microphone' Volume Control and 'Master' Volume Control of the Amplifier at position '6' or below.

DO NOT use 100V line and low impedance speaker connections to the same amplifier.

AVOID jointing the microphone cable; when this is unavoidable make sure a good screened connector is used, e.g. XLR.

ENSURE that all loudspeakers are in-phase.

ENSURE that there are no short circuits on the loudspeaker line before connection to the amplifier.

## RELATIVE NOISE LEVELS IN Decibels

dB	Comment
120	Threshold of pain. Jet taking off at 60m
115	Pneumatic drill, express train passing through station
110	Impossible to converse. Disco (on dance floor)
105	Live orchestra
100	Inside underground railway station
95	Machine shop, print shop
90	Difficult to converse. Ventilation equipment room, club
85	Busy supermarket
80	Loud voice needed to talk, Traffic noise, church choir
75	Noisy office
70	Speech at 30cm, typing pool, theatre, department store
65	Typical office, normal talking, near motorway
55	Background noise, hotel lobby, restaurant
50	Light traffic at 30m, quiet office
45	Tearing paper at 1m
40	Average residential area, quiet house
35	Soft music
30	Countryside
25	Library
20	Leaves rustling
15	Broadcasting studio
10	Quiet whisper at 1m
0	Threshold of hearing. Minimum audible sound

## WARNING

In the market **SPURIOUS/DUPLICATE** sub-standard Amplifiers, Microphones, Driver Units, Horns, Diaphragms are being passed off as genuine AHUJA Products.

## BE VERY CAREFUL

- Obtain your requirements from **AUTHORISED AHUJA DEALERS** only.  
Insist on seeing the 'AUTHORISED DEALER CERTIFICATE' and **AHUJA** / **ANA** 'TRADE MARK'
- Manufacture & Sale of Spurious/Duplicate Products is Illegal and Punishable Under Law.





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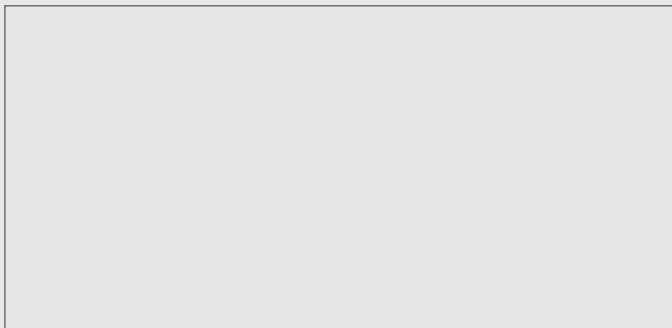


For Religious Places Outdoor Gatherings Announcements DJs Railway Stations  
Airports Food Courts Stadiums Auditoriums Hospitals Conferences Offices  
Shopping Malls Hotels Channel Music High Rise Buildings Parking Lots  
Restaurants Pubs Schools Gymnasiums Petrol Pumps Stage Shows Coaching  
Institutes Crowd Control Discourses Paging Sound Professionals and many more



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For further details, please contact:



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