AHUJA®

Professional Active Loudspeaker

OPERATION MANUAL



ALIVE 510

- Thank you for purchasing the AHUJA ALIVE 510 Active Loudspeaker.
- Please read this manual thoroughly before making connections and turning on the power. Following the instructions in this manual will enable you to obtain optimum performance from your new AHUJA Bi-Amplifier Active Loudspeaker.
- Please retain this manual for future reference.

• Safety Instructions

Read the Instructions: Please read all the instructions in this section carefully before installation or use of the product. All the safety instructions must be followed.

Retain the Instructions: Please retain this Instruction Manual for future reference.



This symbol, wherever it appears, alerts you to the presence of uninsulated hazardous voltage that may be sufficient to constitute a risk of electric shock. External wiring to any terminal marked with this symbol must be done by a trained and instructed person only.



This symbol, wherever it appears adjacent to a component, alerts you that the concerned component can only be replaced by another of the exact same specifications.

WARNING

- To reduce the risk of electric shock, do not remove the back cover. No user serviceable parts inside. Refer all servicing to qualified personnel only.
- Before replacing any fuse, make sure the set is switched off and disconnected from the AC mains or any other power source. Replace a fuse only with another of exactly same specification.

CAUTIONS

Water & Moisture: Do not insert or remove the AC mains plug with wet hands.

Power Source: The voltage & frequency of the AC mains supply to which this set can be connected, is marked on the rear panel of the set. Do not connect this set to any power source other than those specified on the rear panel.

Power Cord Protection: Do not cut, kink, damage or modify the AC power cord supplied with this set. Keep the AC power cord away from heaters and harmful chemicals. Do not keep any heavy object on the power cord.

Operation on Generator: When operating this set on a generator, make sure the set is switched off till the generator voltage has stabilized.

Stability: This set must be kept in a stable and flat position. This set can also be mounted on a stand. Before using any stand, check its strength and stability.

Cleaning: Disconnect this equipment from the AC mains before cleaning. Clean with a damp cloth, but do not allow any liquid to enter the set. Do not clean with liquids or aerosols.

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• Features/General Description of Product

- ALIVE 510 is an Active Loudspeaker powered by built-in Class D Bi-Amplifiers.
- Built-in DSP processor with presets; Music, DJ/Club, Live and Speech.
- Attractive Plastic moulded cabinet. Product designed for use in a wide variety of PA and Musical Instrument applications.
- ALIVE 510 active loudspeakers have three inputs
  Input-1 is a balanced XLR combo connector which accepts signal through balanced XLR, stereo TRS or a dual RCA socket.
  Input-2 is a balanced XLR combo connector which is switchable between MIC & LINE.
- Balanced Line Output through XLR connector.
- Active Bass/Mid/Treble controls for proper shaping of Low/Mid/High frequency levels.
- Built-in limiter which is tuned optimally for speaker protection.
- LIMIT indication in DSP for monitoring the output as well as caution against overdrive.
- Protection provided for output short and overdrive conditions.
- Built-in MP3 player with BT facility.
- Feature laden, power packed active loudspeaker system for professional and domestic use.

• Rear Panel Controls Description (ALIVE 515 and ALIVE 512)

1. **USB Port:** To insert USB drive for MP3 Files.
2. **MP3 Player:**

   MODE: Use the key to change between USB/BT modes

   ⏮ Short press, the key, to play last song

   Long press, rewinds the track being played.

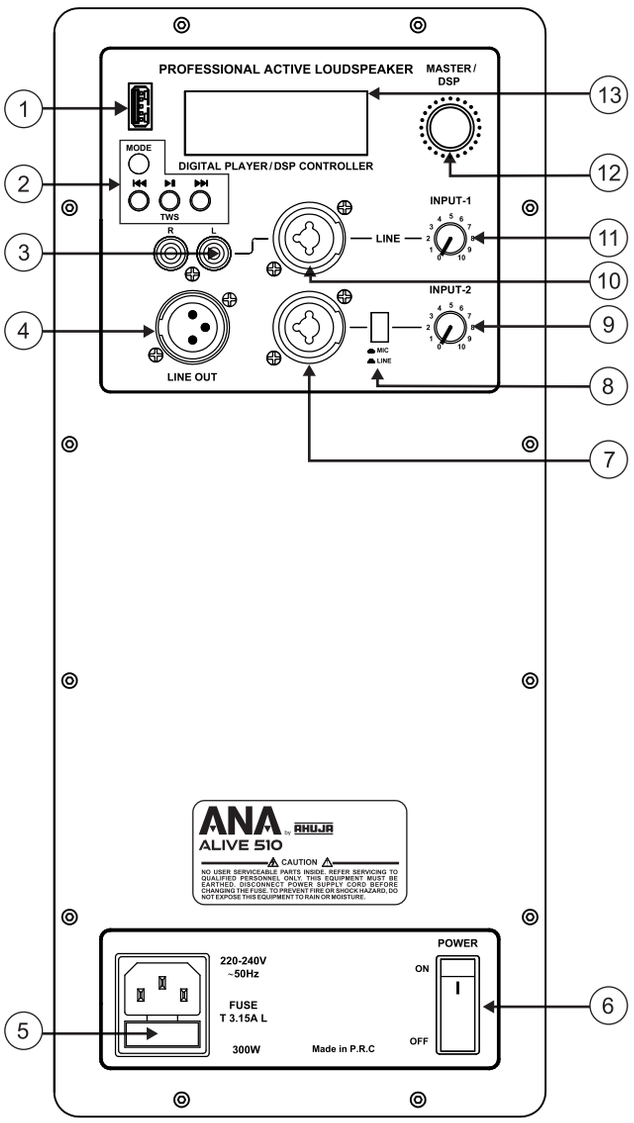
   ⏯ Short press to play/pause

   ⏭ Short press, the key, to play next song

   Long press, to forward track being played.
3. **LINE IN:** Accepts a line level signal using RCA input.
4. **LINE OUT:** Provides a line level output to connect another ALIVE speaker.
5. **Power Supply Input Connector:** Used for connecting the 3-pin detachable AC mains cord supplied with the unit. It has a built-in AC fuse of suitable rating.
6. **Power Supply Switch:** Press the switch towards ON position to power ON the set.
7. **Balanced XLR Combo Connector (Input-2):** Accepts input through a balanced XLR or 6.3mm TRS jack.
8. **MIC/LINE SELECTOR SWITCH:** Push this switch to select between mic or line input Applicable only for INPUT-2.
9. **INPUT 2:** Use this knob to set the INPUT-2 volume level.
10. **Balanced XLR Combo Connector (Input-1):** Accepts input through a balanced XLR or 6.3mm TRS Jack. This is parallel to the RCA input.
11. **INPUT 1:** Use this knob to set the INPUT-1 volume level.
12. **MASTER:** Use it to set the volume level for the unit.

***NOTE:** The level when set to 00dB is not the maximum master level. For maximum output the master must be kept at + 10dB.

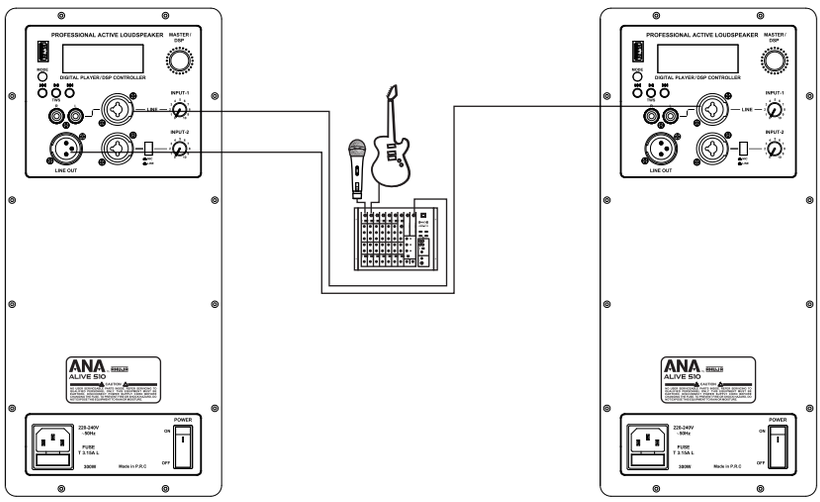
13. **LCD Display:** The screen displays the level and DSP settings, menu etc.



• Interconnection of Multiple ALIVE Speakers

1. Connect a microphone or a mixer signal to the desired input of the first ALIVE speaker.
2. Connect the line out of the first ALIVE speaker to the line input of the second ALIVE speaker.
3. The output of the speakers can be controlled from their individual master control.
4. The music content played in first speaker (Master) will be also be played in second speaker (Slave).
5. The DSP setting can be done individually for both MASTER and SLAVE ALIVE speakers.

• Interconnection of Multiple ALIVE Speakers

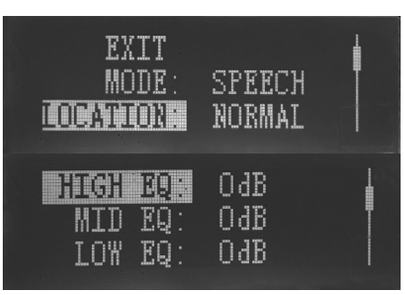


• DSP Settings and Features

To access the DSP setting follow the instructions as described below:

1) Push the MASTER/DSP to enter the menu, this will enter the selection menu for various DSP settings as discussed below:

   a) MODE: Press the DSP knob to enter MODE setting. The cursor will now highlight the preset of option. Rotate the DSP knob in clockwise or counter clockwise to select MUSIC, DJ/Club, Live, speech preset. Push the knob again to save the desired preset.



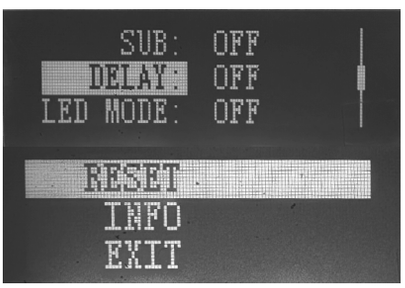
   b) LOCATION: The speaker may be used as a normal active speaker or a monitor. Depending on the use, the location can be set to normal or monitor using the DSP knob. For best results keep in 'Normal' mode.

   c) HIGH EQ.: This setting allows the user to adjust the treble content of music/speech, press the DSP to enter the setting. Rotate clockwise to increase the treble or counter clockwise to decrease the treble. The maximum setting possible is ±12dB.

   d) MID EQ.: This setting allows the user to adjust the mid content of music/speech, press the DSP to enter the setting. Rotate clockwise to increase mids or counter clockwise to decrease mids. The maximum setting possible is ±12dB.

   e) LOW EQ.: This setting allows the user to adjust the low content of music/speech press the DSP to enter the setting. Rotate clockwise to increase lows or counter clockwise to decrease lows. The maximum setting possible is ±12dB.

   f) SUB.: This mode allows the user to select sub woofer frequencies as 80Hz, 100Hz, 120Hz, 150Hz. When the desired frequency is selected then the particular frequency content in music will be boosted to a higher level for better bass effect.



   g) DELAY.: When more than one ALIVE speaker is being used in a large hall, the user may desire to add delay to the sound output. This setting allows the user to select delay from 0mS to 16mS.

   h) DISPLAY SETTINGS: The next options allow the user to select the option for LCD such as brightness adjustment and contrast adjustment.

   I) RESET: Selecting this options will reset the DSP setting to default factory settings.

   j) INFO: Displays the software version details of the DSP.

   k) EXIT: Selecting this option will save the DSP settings, exit the menu and return to default home screen. Using this option will also save the master level settings.

• Bluetooth and TWS Connections

BLUETOOTH

1) Press the mode key to select the Bluetooth option.
2) The BT symbol will flash at the Top left corner of the screen indicating that the unit is ready for pairing.
3) Search the name ‘ALIVE’ in the smart phone/tablet bluetooth menu. Select the name ‘ALIVE’.
4) Once pairing is completed, the BT symbol will stop flashing followed by an audible chime.
5) The set is now ready to play music content vice paired bluetooth device.

TWS

1) The ALIVE speakers can be paired in TWS configuration by making one speaker as master and other as slave.
2) Keep both ALIVE speakers in BT pairing mode such that the BT symbol is flashing on top left of the screen.
3) Long press the play/pause key of the speaker which the user desires to be master. The display of master will now show ‘TWS-A’ and slave will show ‘TWS-B’.
4) The speakers are now ready to be played in TWS configuration

TWS Compatibility

CONFIGURATION (L&R)	COMPATIBILITY
ALIVE 512 + ALIVE 512	✓ Compatible
ALIVE 512 + ALIVE 515	✓ Compatible
ALIVE 515 + ALIVE 515	✓ Compatible
ALIVE 515 + ALIVE 512	✓ Compatible
ALIVE 510 + ALIVE 510	✓ Compatible

TWS Connection:

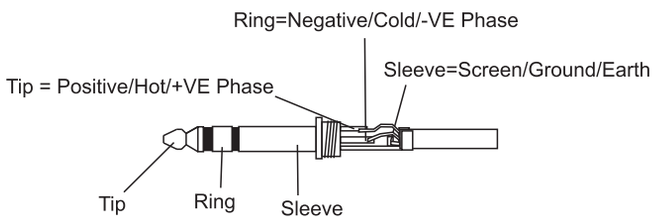


Left Channel **Right Channel**

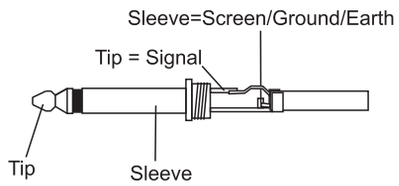
• Connection

Connections

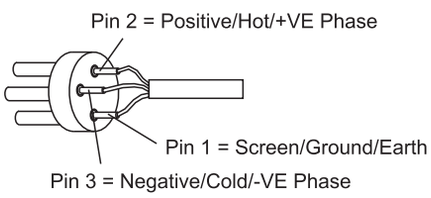
BALANCED USE OF STEREO ¼" JACK PLUG



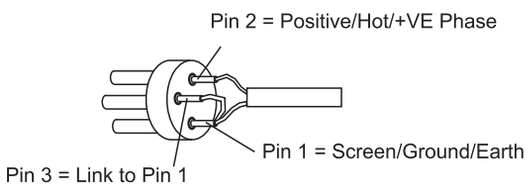
UNBALANCED USE OF STEREO ¼" JACK PLUG



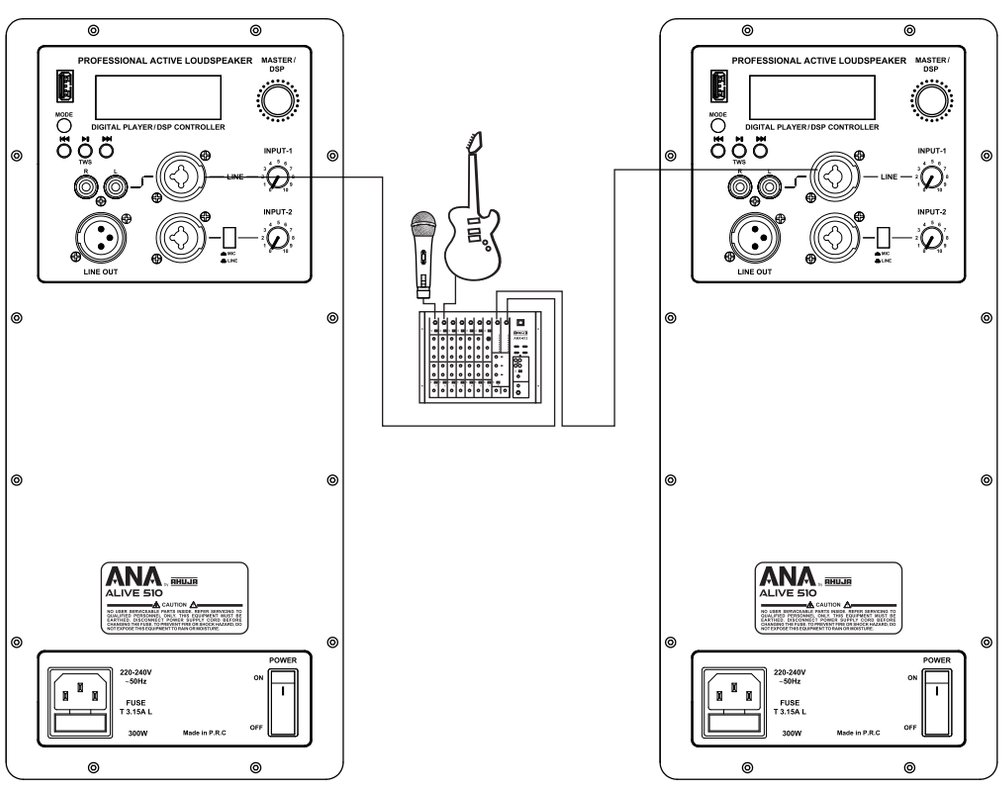
BALANCED USE WITH XLR CONNECTORS



UNBALANCED USE WITH XLR CONNECTORS



• Suggested Application



Left **ALIVE 510** Right **ALIVE 510**

• Active Loudspeaker

Specifications	
Model	**ALIVE 510**
Speaker	1 x 10" LF Speaker, Ø2" Voice Coil 1 x HF Compression Driver, Ø1.35" Voice Coil
Power Output (Bi-amp Class-D)	LF: 325W; HF: 25W
Output Regulation	Better than 0.5dB
Input Channels	INPUT-1: LINE Input 775mV through XLR combo or RCA INPUT-2: MIC/LINE switchable, MIC-15mV, LINE775mV MP3 player with built-in BT facility
Frequency Response	50-20,000Hz ±3dB
DSP Processor	Built-in Preset Options: Speech, Music, Club/DJ, Live
S/N Ratio	≥60dB
Tone Controls	Bass: ±12dB, Mid ±12dB, Treble ±12dB
Output	Line Output - 775mV (through M/XLR)
Protections	AC: Fuse 1 x 3.15A (T 3.15AL)
Power Supply	AC: 220-240V 50/60Hz
Dimensions	W330 x H575 x D310 mm
Weight	13.45 kg Approx.

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