Wireless Amplifier

Datasheet

Product Introduction

WiFi amplifier brings traditional speakers into the smart era. It seamlessly connects to various audio sources, including online music services, USB drives, and external devices, offering a premium music experience. Whether for home theater or standalone listening, it delivers pure, powerful sound, making every melody come to life.

Features

- **Support high-resolution audio formats and provide lossless sound quality**
- **Compatible with 4 ohm and 8 ohm speakers**
- **Multiple audio input options**
- **Control playback via the Belahome app or HyPanel devices**



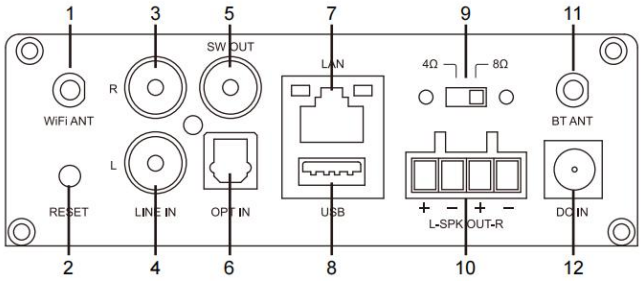
Specification

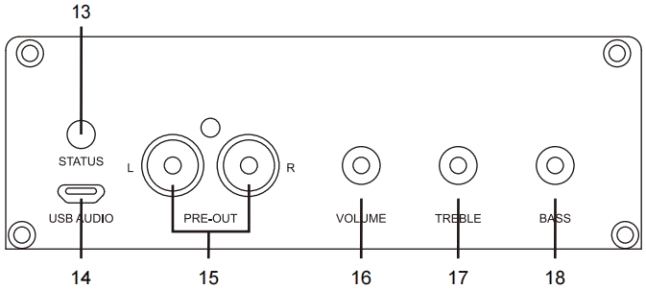
- Product Model: AMP-E1
- Power Input: 24V/4.16A
- Communication Method: WiFi (2.4GHz)/LAN (single 10/100M RJ45)/Bluetooth 5.0
- Output Power: 2x50W (4 Ω, 24V/bridge load) 2x50W (8 Ω, 24V/bridge load - enhanced mode)
- Frequency Response: 20Hz -20kHz
- THD+N: 0.03% @1kHz 1W
- Audio Decoding: up to 24bit/192kHz
- Audio Source Input: Micro USB, USB 2.0, Analog RCA, fiber optic digital audio input interface
- Audio Source Output: analog RCA, subwoofer
- Music Format: MP3/AAC/AAC+/ALAC/APE/WAV
- Product Size: 15.8x14.6x4CM
- Certification: FCC\CE\RoHS

akubela

10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China
Tel: +86-592-2133061 Ext: 7694 Fax: +86-592-2133061
Email: sales@akuvox.com Web: www.akubela.com

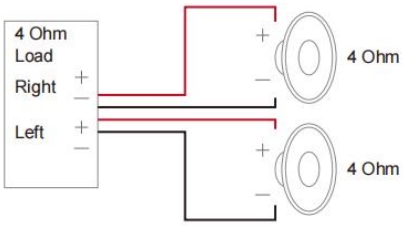
Interface

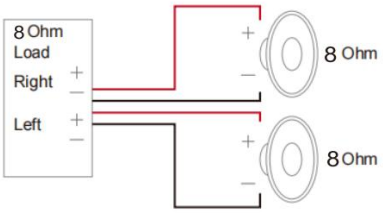


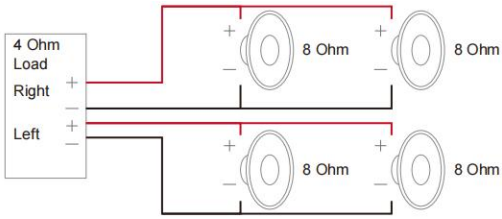


1. WiFi ANT: WiFi antenna
2. RESET: Reset button
3. Line in R: Right channel audio input
4. Line in L: Left channel audio input
5. SW Out: For subwoofer connection
6. OPT IN: Optical digital audio input
7. LAN: RJ45 wired connection to router
8. USB: For USB drive connection
9. Load Switch: To switch between 4/8Ω load
   (NOTE: Turn off the power before switching)
10. BT ANT: For Bluetooth connection
11. DC IN: Power supply input
12. LED: Status indicator for device operation
13. USB Audio: For personal computer connection
14. PRE Out: Audio output to provide analog signals to other devices
15. Volume: Turn to change volume / Press to change audio input mode
16. Treble: To adjust the higher frequency sounds
17. Bass: To adjust the lower frequency sounds

Wiring







1. Connect the male Phoenix connector on the amplifier, ensuring proper polarity alignment with the speaker terminals.
2. Verify that the speaker impedance is correct.
3. Turn off the power before switching the load switch to prevent damage to the device or speaker.

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10/F, No.56 Guanri Road, Software Park II , Xiamen 361009, China
Tel: +86-592-2133061 Ext: 7694 Fax: +86-592-2133061
Email: sales@akuvox.com Web: www.akubela.com