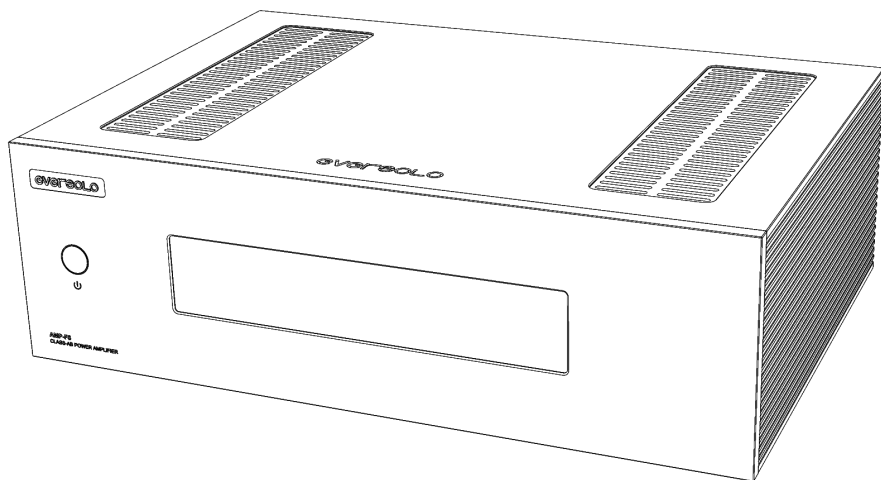


EVERSOLO

PRODUCT MANUAL

产品说明手册

AMP-F8 立体声功率放大器
CLASS-AB POWER AMPLIFIER



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深圳市艾索洛声学科技有限公司

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Introduction

Thank you for choosing the AMP-F8, EVERSOLLO's new-generation high-end power amplifier.

The AMP-F8 is a high-fidelity power amplifier featuring a Class AB architecture. Through its meticulously tuned amplification circuitry, high-performance output stage, and robust power supply design, it achieves exceptional dynamic response and precise sonic control. Its low distortion, high resolution, and formidable load-driving capability fully unlock your speakers' potential, delivering a wide soundstage, rich details, and a naturally fluid musical performance. Specifically crafted for high-end two-channel audio systems, the AMP-F8 provides stable and outstanding amplification performance for users who demand pure sound and the ultimate listening experience.

Product Highlights

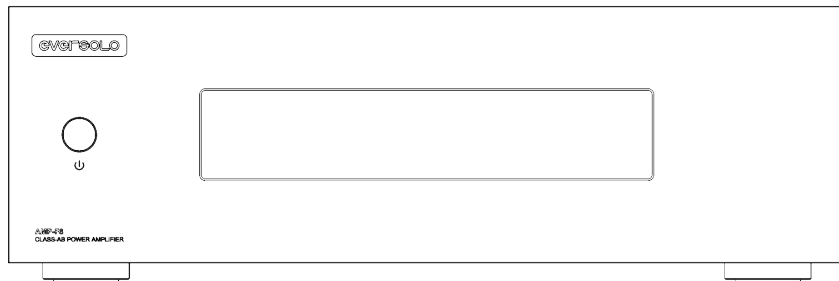
- **High-Performance Class AB Design:** A high-fidelity Class AB amplification architecture delivers powerful, stable output while maintaining low distortion and high resolution.
- **High-Fidelity Sound Quality:** Low distortion, high resolution, and excellent dynamic response help reproduce musical details with a natural, balanced presentation.
- **Protection Circuits:** Built-in over-current, over-temperature, and short-circuit protection help ensure stable and safe operation.
- **Efficient Thermal Management:** An efficient heat dissipation structure supports stable long-term operation and helps extend product lifespan.
- **Independent Left And Right Channels:** Independent amplification stages reduce inter-channel crosstalk and improve stereo separation, soundstage, localization, and layering.

Specifications

Continuous Output Power (120 V / 240 V AC)	180 W RMS per channel @ 8Ω 280 W RMS per channel @ 4Ω 500 W RMS @ 8Ω (Bridge Mode; 4Ω bridged not supported)
Amplifier Class	Class AB
THD+N (Total Harmonic Distortion + Noise)	0.003% @ 1 kHz
Signal-To-Noise Ratio (SNR)	≥115 dB (A-weighted)
Input Connectors	1 × XLR Balanced, 1 × RCA Unbalanced
Input Impedance	XLR Balanced: 10 kΩ RCA Unbalanced: 10 kΩ
Input Sensitivity (For 180 W @ 8Ω/1 kHz)	XLR Input, 23 dB Gain: 5.2 V XLR Input, 29 dB Gain: 2.6 V RCA Input, 23 dB Gain: 2.65 V RCA Input, 29 dB Gain: 1.3 V
Frequency Response (@1 W / 8Ω)	10 Hz – 30 kHz: ±0.5 dB
Crosstalk (@180 W / 8Ω / 1 kHz)	≤ -95 dB
Damping Factor (@8Ω / 1 kHz)	> 400
Power Requirements	100–120 V~ 60 Hz / 220–240 V~ 50 Hz, 1200 W max
Weight	Net: 15.9 kg Gross: 18.6 kg
Dimensions (W × D × H)	265× 388 × 119mm (W × D × H)
Accessories Included	Power Cord*1, Trigger Cable*1, User Manual*1

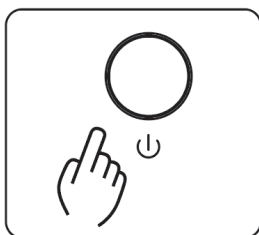
Hardware Port Overview

Front Panel



Standby Button

Turns the main power on or off. It functions as a standby control and can be used with the trigger feature.



Operating Status Indicator

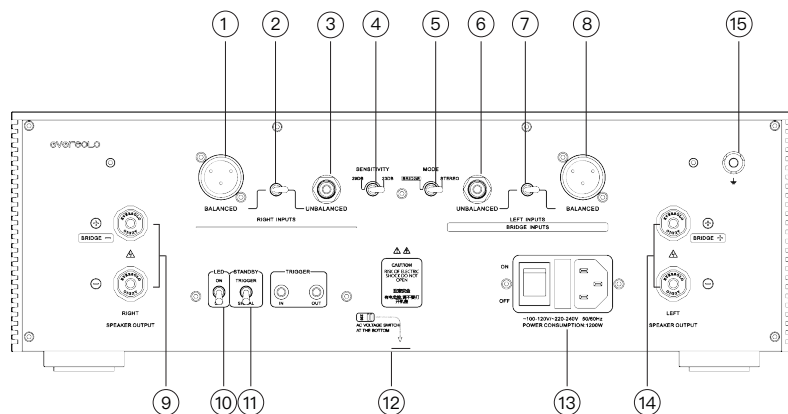
A dual-color LED ring indicates the AMP-F8's operating status through color changes.

White : Main power is on; the amplifier is active and ready.

Orange : The amplifier is in standby mode.

Alternating Orange And White : The AMP-F8 is in protection mode. Stop using the unit immediately, power it off, and check for faults.

Rear Panel

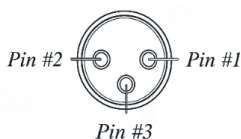


Balanced XLR Pin Assignment

Pin #1 = Ground

Pin #2 = Signal +

Pin #3 = Signal -



Interface Description:

1. Right Channel Balanced XLR Input

Connect to a preamplifier or other source device using a suitable signal cable. If available, the balanced XLR input is recommended for its superior noise rejection compared with unbalanced RCA input.

2. Right Channel Input Mode Selector Switch

Selects the input signal type for the right channel: RCA or XLR.

3. Right Channel Unbalanced RCA Input

Connect to a preamplifier or other source device to feed the signal to the amplifier module.

4. Sensitivity / Gain Switch

Provides two gain settings, 29 dB and 23 dB. Select the appropriate gain based on speaker sensitivity.

5. Stereo / Bridge Mode Switch

Switches between Stereo and Bridge modes for different application requirements.



Important Notes:

- **Power Off** : Power off the amplifier and disconnect all connected speakers before changing the mode switch.
- **Load Requirements in Bridge Mode** : Make sure speaker impedance meets bridge mode output requirements to avoid damage caused by excessively low impedance.
- **Speaker Power Matching** : When using Bridge mode, verify that speaker power handling matches the increased bridge-mode output.

6. Left Channel Unbalanced RCA Input

Connect to a preamplifier or other source device to feed the signal to the amplifier module.

7. Left Channel Input Mode Selector Switch

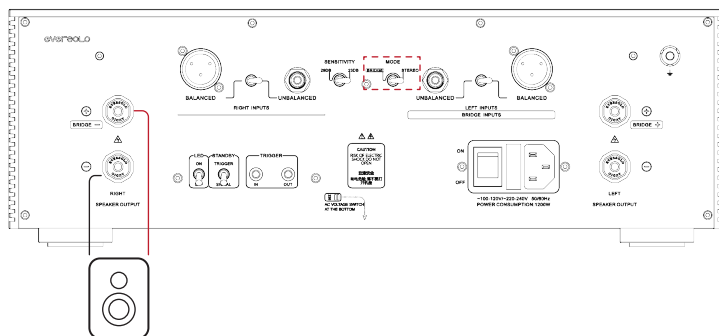
Selects the input signal type for the left channel: RCA or XLR.

8. Left Channel Balanced XLR Input

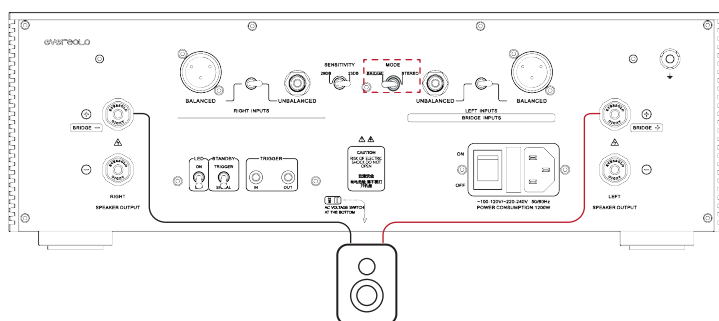
Connect to a preamplifier or other source device using a suitable signal cable. If available, the balanced XLR input is recommended for its superior noise rejection compared with unbalanced RCA input.

9. Right Speaker Output Terminals

Stereo Mode: connect the red terminal to the speaker's positive terminal and the black terminal to the negative terminal.



Bridge Mode : connect the red terminal of the Left channel to the speaker's positive terminal, and the red terminal of the Right channel to the negative terminal.



10. VU Meter Backlight Switch

Turns the VU meter backlight on or off. ON enables the light; OFF disables it.

11. Standby Mode Selector Switch

Trigger Mode : with a Trigger In cable connected, main power is controlled by a 5–12 V trigger signal from a preamplifier or other source.

Signal Mode : when no audio signal is present or signal level is too low, AMP-F8 enters standby after 20 minutes and powers back on when signal is detected or volume is increased.

12. AC Power Selector Switch

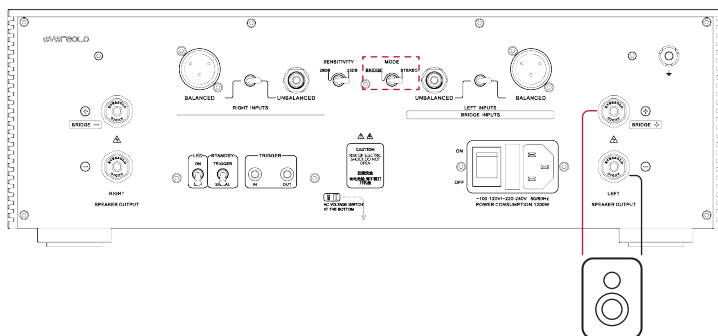
The 115 V / 230 V selector is located on the bottom of the AMP-F8. Before connecting power, confirm the AC mains voltage standard for your country or region and verify that the selector is set correctly.

13. AC Inlet Socket, Power Switch, And Fuse

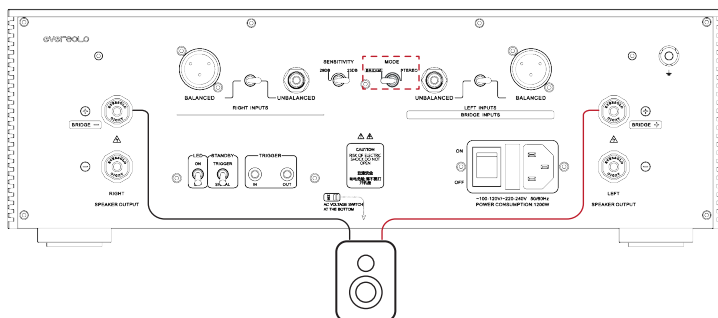
Connects the AC power cord, turns device power on or off, and provides fuse protection.

14. Left Speaker Output Terminals

Stereo Mode : connect the red terminal to the speaker's positive terminal and the black terminal to the negative terminal.



Bridge Mode : connect the red terminal of the Left channel to the speaker's positive terminal, and the red terminal of the Right channel to the negative terminal.



15. Grounding Terminal

Used for ground connection.

Downloads

For more tutorials, please visit www.eversolo.com, please visit the Downloads page on official website and scan QR code.



Wechat Subscription

Special Note :

To enhance the user experience, the content of this manual may differ from the actual product usage. Any adjustments to the device's functions or parameters will be made without prior notice.

For more information, please visit the official website : www.eversolo.com.

Safety Warning :

1. No water splashing or dripping, do not put objects with liquid like vase on the device.
2. The power plug and the power switch are used to disconnect power supply, which cannot be blocked by other objects.
3. It is Class I device, there must be grounding measures inside the box when using.