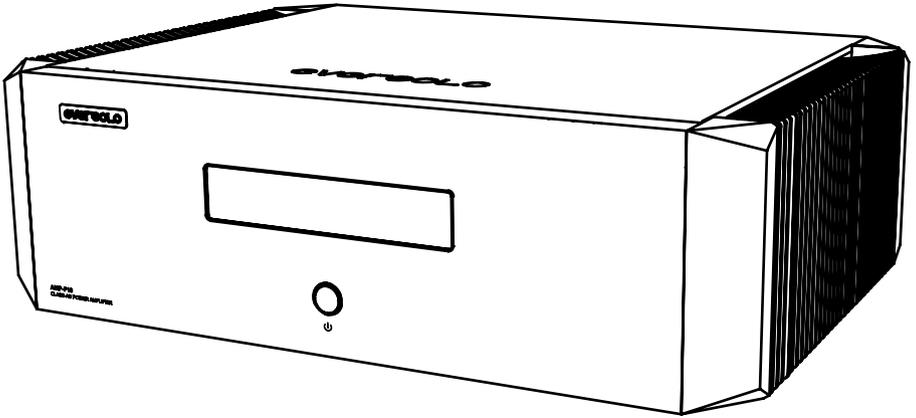


EVERSOLO

PRODUCT MANUAL

产品说明手册

AMP - F10 立体声功率放大器
CLASS-AB POWER AMPLIFIER



Eversolo Audio Technology Co.,Ltd
深圳市艾索洛声学科技有限公司

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Introduction

Thank you for choosing Eversolo AMP-F10 power amplifier!

The AMP-F10 is a Class AB power amplifier with Class A bias, striking the ideal balance between audio quality and energy efficiency. It delivers pure, dynamic sound while avoiding the high power consumption typical of traditional Class A amplifiers. It's well-suited for high-fidelity systems, home theaters and professional audio setups, providing rich detail and a warm listening experience.

Product Features

- **Class AB with Class A Bias:** Operates in Class A mode at low power to provide high-fidelity sound quality; switches to Class AB mode during high dynamic power demands to ensure energy efficiency and strong output.
- **High-Fidelity Sound:** Combines the warmth of Class A with the high dynamic range of Class AB for a refined, vibrant audio experience.
- **Overcurrent, Overheat, and Short-Circuit Protection:** Multiple protection designs ensure stability and safety under various operating conditions.
- **Efficient Cooling:** Large heat sink design ensures stability during extended use, enhancing the amplifier's durability.
- **Independent Left and Right Channels:** Ensures high stereo separation, delivering clear layering and precise sound positioning.

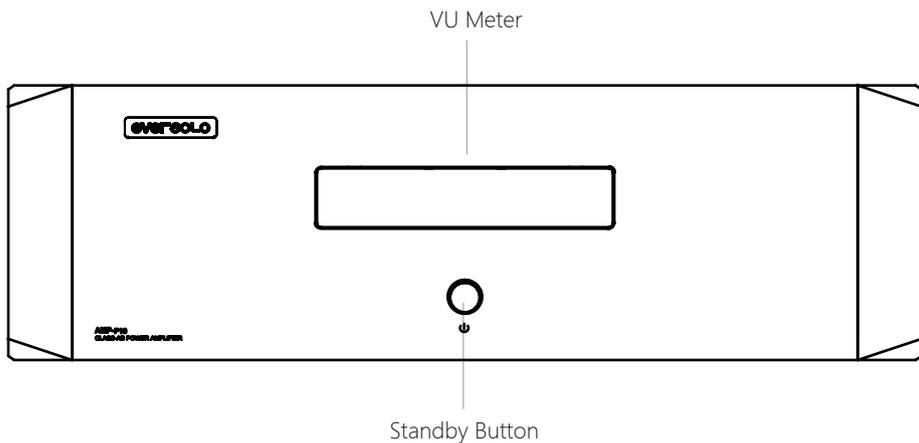
Specifications

Continuous Output Power 120V/240V AC	200W RMS@8Ω/per channel 320W RMS@4Ω/per channel 450W RMS@2Ω/per channel 650W RMS@8Ω/in bridge mode 950W RMS@4Ω/in bridge mode
Operating Mode	Class AB with Class A bias
THD+N	0.008%@1KHz
SNR	≥ 113dB @A-wt
Inputs	XLR Balanced *1, RCA Unbalanced *1
Input Impedance	XLR Balanced: 10KΩ RCA Unbalanced: 10KΩ
Input Sensitivity 200W@8Ω/1KHz	XLR Input GAIN:23dB: 5.2V XLR Input GAIN:29dB: 2.4V RCA Input GAIN:23dB: 2.65V RCA Input GAIN:29dB: 1.3V
Frequency Response@1W/8Ω	10Hz-30KHz: ±0.5dB
Crosstalk 200W@8Ω/1KHz	≤ -95dB
Damping Factor@8Ω 1KHz	>600
Power Requirement	110-120V 60Hz/220V-240V 50Hz, 1200W MAX
Weight	Net Weight: 18KG Gross Weight: 21.5KG
Dimensions	W 430mm*L 310mm*H 147mm(including feet)
Accessories	Power Cable *1, Trigger Cable *1, User Manual *1

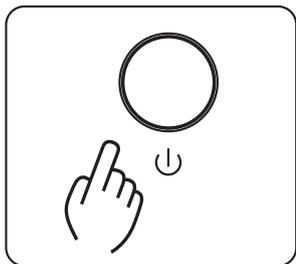
Note:

The AC voltage switch (115V/230V) is located on the bottom of the AMP-F10. Before powering on, please confirm the AC specification for your country and ensure the switch is set correctly.

Front Panel



Control



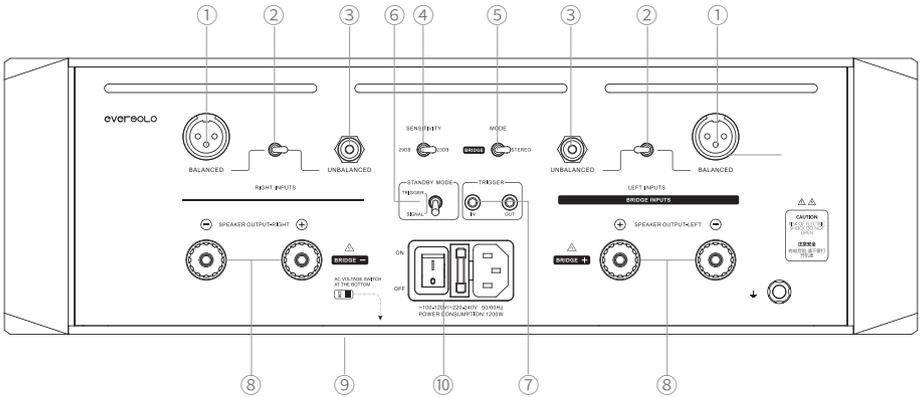
This button can turn the device's main power on or off. It functions as a standby button and can also be used with the trigger function. When the Trigger In port detects an inserted trigger cable, the standby button is disabled, and the device is powered on or off via the trigger function.

There is a bi-color LED ring that indicates the operating status of the AMP-F10 through changes in color.

White: The main power of the AMP-F10 is on, and the amplifier is in working mode.

Orange: The power of the AMP-F10 is in standby mode.

Rear Panel

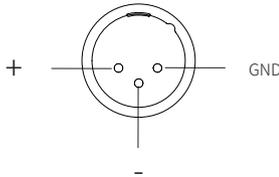


Interface Descriptions:

① Balanced XLR Input

Connect this balanced XLR port to your preamp or other audio source device to provide the signal to the amplifier module. We strongly recommend using the balanced XLR input to connect your signal source, because compared to the unbalanced RCA input, the balanced XLR input offers better noise resistance.

The wiring method for the balanced XLR signal port is as follows:



② Signal Input Mode Switch

Selects your signal input type(RCA or XLR) by this switch.

③ Unbalanced RCA Input

Connect this unbalanced RCA port to your preamp or other audio source device to provide the signal to the amplifier module.

④ Sensitivity Switch

The AMP-F10 offers two gain options: 23dB and 29dB, which can be selected based on your speaker sensitivity.

⑤ Stereo and Bridge Mode Switch

Switching between stereo and bridge modes to accommodate different application needs.



Notes:

- Power Off: Before switching modes, ensure the amplifier is powered off and all connected speakers are disconnected for safe operation.
- Load Requirements in Bridge Mode: Ensure that the speaker impedance meets the power output requirements for bridge mode to avoid damage to the amplifier and speakers due to excessively low load.
- Speaker Power Matching: In bridge mode, confirm that the speaker's power handling is compatible with the bridge output to avoid damage from excessive power.

⑥ Standby Mode

Trigger Mode: If no trigger cable is connected to the Trigger In port, you can use the standby button to turn the main power on or off. When a trigger cable is detected in the Trigger In port, the standby button is disabled, and the main power is controlled by the trigger signal from the preamp or another signal source, with a trigger voltage of 5-12V.

Signal Mode: If no signal or only a very low signal is detected from the preamp or other signal source, the AMP-F10 will automatically enter standby mode after 20 minutes to conserve energy. The AMP-F10 will reactivate upon detecting an audio signal or an increase in volume.

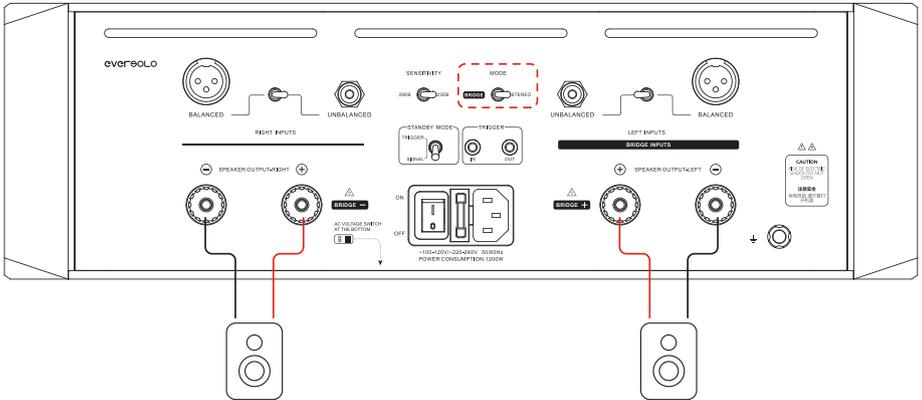
⑦ External Trigger Input and Output

Trigger In: Connect to the Trigger Out of a preamp or other signal source.

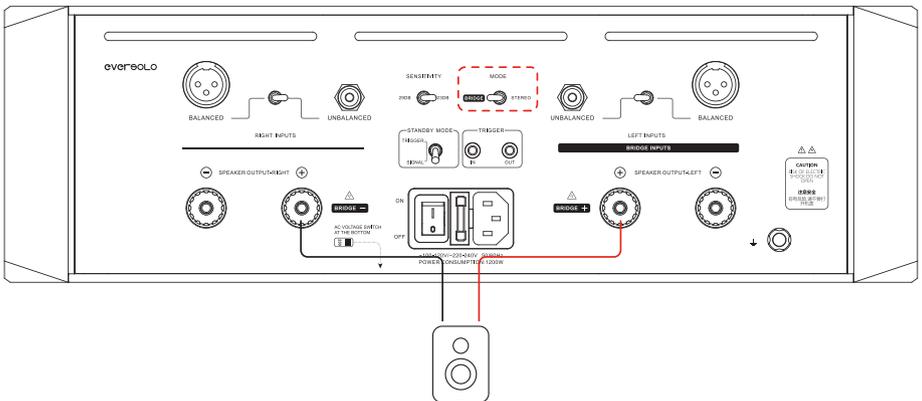
Trigger Out: When the AMP-F10 operates in bridge mode, connect Trigger Out to the Trigger In of another AMP-F10 using a trigger cable to synchronize multiple devices.

⑧ Speaker Output Terminals

In Stereo Mode: The red terminal is the positive output, connecting to the positive terminal of the speaker, while the black terminal is the negative output, connecting to the negative terminal of the speaker.



In Bridge Mode: Connect the red terminal of the left channel to the positive terminal of the speaker and the red terminal of the right channel to the negative terminal of the speaker.



⑨ AC Voltage Switch

⑩ AC Outlet, Power Switch, and Fuse

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.

产品简介

感谢您选择 EVERSOLO 功率放大器产品：AMP-F10。

AMP-F10 是一款偏 A 类的 AB 类功率放大器，它在音质和能效之间有更好的平衡性，在提供纯净、动态的声音表现的同时，避免传统 A 类放大器的高功耗问题。它非常适合用于高保真音响系统、家庭影院、专业音频系统，为您带来丰富的细节和温暖的声音体验。

产品特性

偏 A 类的 AB 类设计：在低功率下以 A 类模式工作，提供高保真音质；在大动态功率需求时切换至 AB 类，以保证能效和输出。

高保真音质：甲类的温暖音色与 AB 类的高动态相结合，实现细腻而充满活力的声音。

过流保护、过温保护和短路保护：多重保护设计，确保放大器在各种工作条件下的稳定性和安全性。

高效散热：大面积散热器设计，确保长时间运行时的稳定，提升使用寿命。

独立左右声道：确保高立体声分离度，使声音表现层次分明、定位准确。

使用本机器之前建议您先阅读本说明，以便您正确使用产品的所有功能。

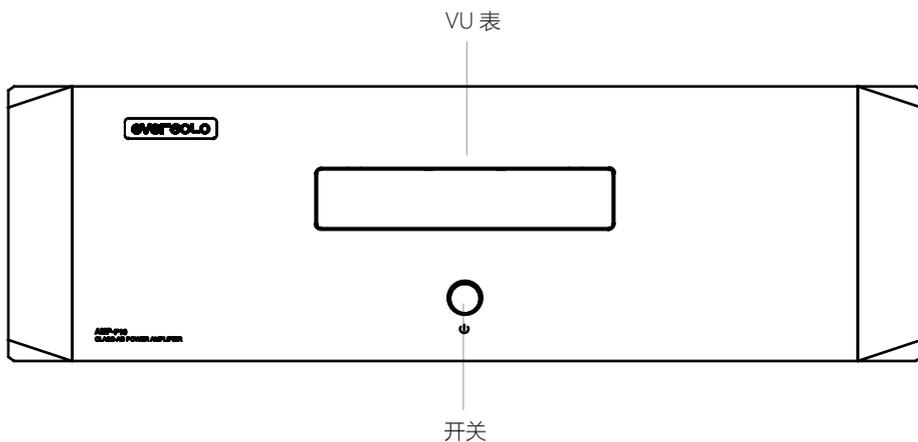
性能参数

连续输出功率 120V/240V AC	200W RMS@8Ω/ 每通道 320W RMS@4Ω/ 每通道 450W RMS@2Ω/ 每通道 650W RMS@8Ω/ 桥接模式 950W RMS@4Ω/ 桥接模式
工作模式	偏甲类 AB 类
总谐波失真比 + 噪声	0.008%@1KHz
信噪比	≥ 113dB @A-wt
输入接口	XLR 平衡 *1 RCA 非平衡 *1
输入阻抗	XLR 平衡: 10KΩ RCA 非平衡: 10KΩ
输入灵敏度 200W@8Ω/1KHz	XLR Input GAIN:23dB: 5.2V XLR Input GAIN:29dB: 2.4V RCA Input GAIN:23dB: 2.65V RCA Input GAIN:29dB: 1.3V
频率响应 @1W/8Ω	10Hz-30KHz: ±0.5dB
串扰 200W@8Ω/1KHz	≤ -95dB
阻尼系数 @8Ω 1KHz	>600
电源需求	110-120V 60Hz/220V-240V 50Hz, 1200W MAX
重量	净重: 18KG 毛重: 21.5KG
尺寸	宽 430mm* 长 310mm* 高 147mm(包括脚垫)
配件	电源线 *1, 触发线 *1, 说明书 *1

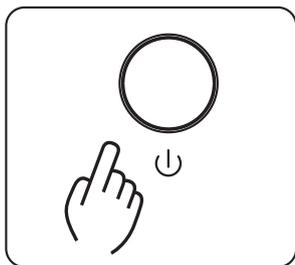
注意:

AC 电源 115V/230V 切换的开关位于 AMP-F10 的底部, 使用前请确认所在国家 AC 电源的规格, 并检查底部的切换开关是否正确。

前面板



控制



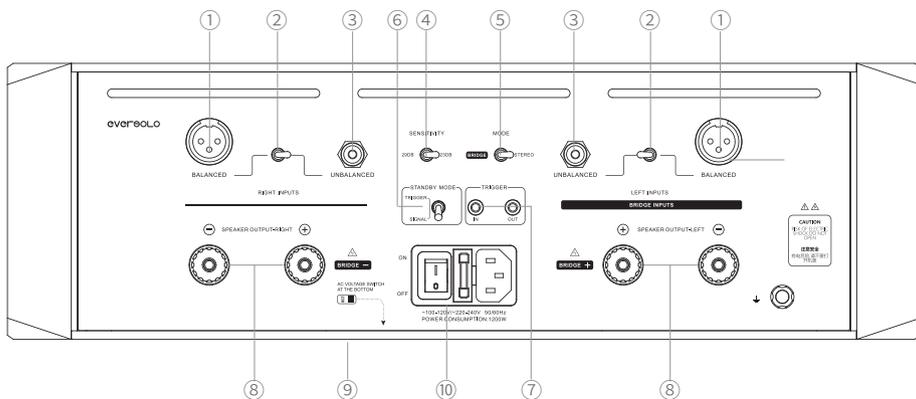
按键控制设备的主电源启动或者是关闭，它是一个待机功能按键，可搭配触发功能一起使用，当 Trigger In 口检测到有触发线插入时，待机按键无效，通过 Trigger 来开关机。

按键周边是双色的 LED 灯圈，它通过颜色的变化来指示 AMP-F10 功放的工作状态。

白色：AMP-F10 的主电源已经启动，功放已经打开并进入工作状态

橙色：AMP-F10 的电源已经进入了待机状态

后面板

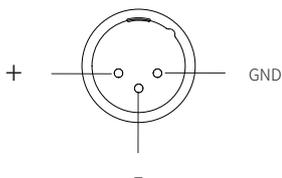


接口说明:

① 平衡 XLR 输入

将此平衡 XLR 插座通过信号线连接到您的前级放大器或者其它的音源播放器以向功放模块提供信号。如果您的选择，强烈建议您选择平衡 XLR 插座作为您的信号输入选择，因为平衡 XLR 接口与非平衡 RCA 输入来对比，平衡 XLR 接口能提供卓越的抗噪声能力。

平衡 XLR 信号插座的接线方式如下：



② 信号输入模式选择开关

通过此开关来选择您的信号输入形式是 RCA 或者是 XLR。

③ 非平衡 RCA 输入

将此非平衡 RCA 插座通过信号线连接到您的前级放大器或者其它的音源播放器，以向功放模块提供信号。

④ 灵敏度切换

AMP-F10 提供 2 档增益开关 23dB 和 29dB，可根据扬声器的灵敏度来选择增益。

⑤ 立体声和桥接模式切换

通过立体声和桥接模式间切换，您的功率放大器能够适应多种应用需求。



注意事项

关闭电源: 在切换模式前，确保放大器电源已关闭，且所有连接的扬声器已断开，以确保操作安全。

桥接模式下的负载要求: 确保扬声器阻抗符合桥接模式的功率输出要求，避免负载过低造成功放和扬声器损坏。

扬声器功率匹配: 使用桥接模式时，请确保扬声器的功率承受范围与桥接输出相匹配，避免因功率过大损坏扬声器。

⑥ 待机模式

触发模式: 当系统没有检测到 Trigger In 端口有触发线插入，可以通过待机按键启动或关闭主电源；当系统检测到 Trigger In 端口有触发线插入，则待机按键失效，通过前级功放或者其它的信号源输出的 Trigger 信号来启动或关闭主电源，触发信号触发电压 5-12V。

信号模式: 当前级功放或其它信号源没有信号输入或信号幅度过低，20 分钟后，AMP-F10 自动进入待机模式，为您节省电能；当有音频信号输入或调大音量可重新启动 AMP-F10。

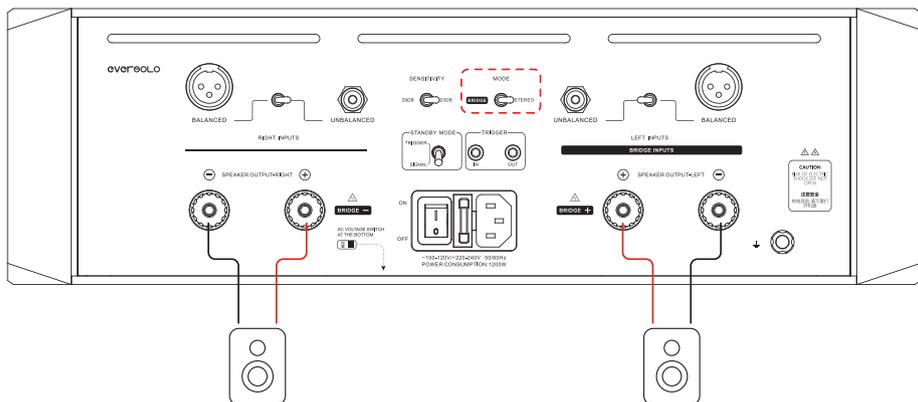
⑦ 外部触发输入及输出

Trigger In: 连接前级功放或其它信号源的 Trigger Out

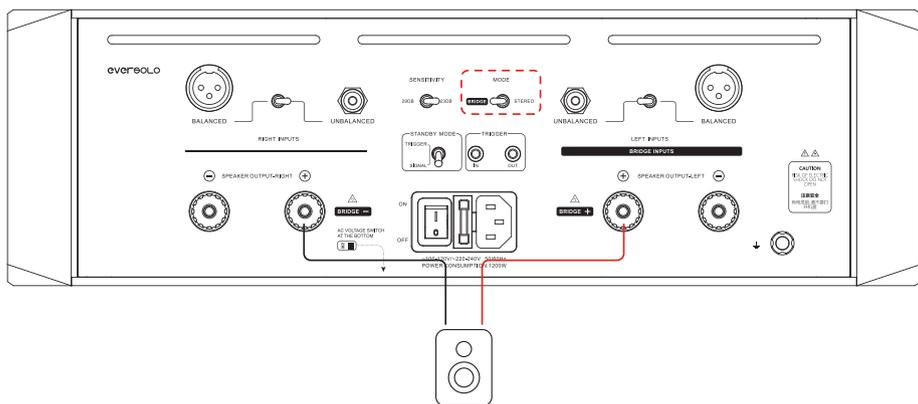
Trigger Out: 当 AMP-F10 工作在桥接模式，可使用触发线连接另一台 AMP-F10 的 Trigger In, 实现多台设备的联动。

⑧ 喇叭输出端口

立体声输出时：喇叭端子红色为正极输出，连接扬声器的正极接线柱；喇叭端子黑色为负极输出，连接扬声器的负极连接柱；



桥接输出时：左通道喇叭端子红色连接扬声器的正极接线柱，右通道喇叭端子红色连接扬声器的负极接线柱。



⑨ AC 电源切换开关

⑩ AC 插座、保险丝、电源开关

资源下载

更多教程，请访问官网：www.eversolo.com，点击下载页面或扫描二维码。



微信公众号

特别说明：

为了提升用户体验，本说明内容可能与产品实际使用存在差异，本机功能或者参数如有调整，恕不另行通知。

更多使用方法，请访问官方网站：www.eversolo.com进行查阅。

安全警示：

- 1、本设备不得遭受水溅或水滴，不得在设备上放置类似花瓶一类装满液体的物品。
- 2、本设备断开电源装置为电源输入插头或背面电源开关，为了便于操作，电源插头或电源开关附近不能被其他物体阻挡。
- 3、本设备为I类产品，使用此产品须确保要有良好的接地措施。