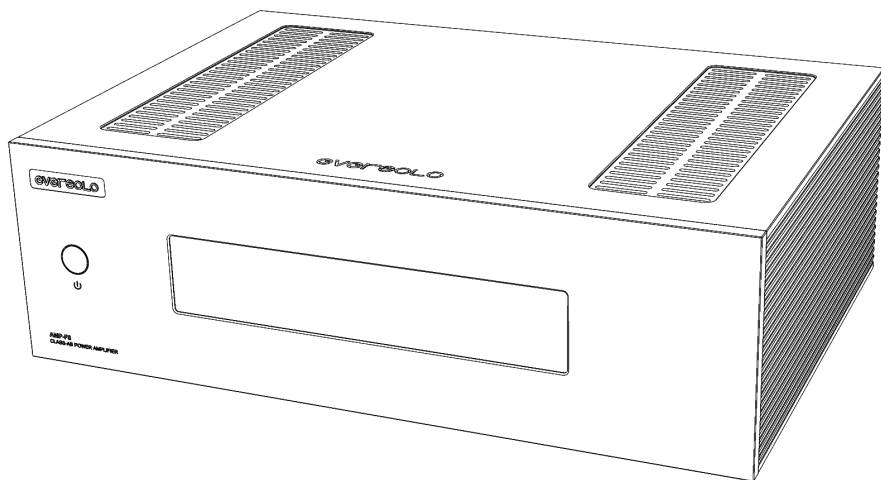


EVERSOLO

PRODUCT MANUAL

产品说明手册

AMP-F8 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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产品简介

感谢您选择艾索洛新一代高端功率放大器 AMP-F8。

AMP-F8 是一款采用 Class AB 架构的高保真后级功率放大器。通过优化的放大电路、高性能输出级和大功率电源设计,实现出色的动态响应与精准的声音控制。其低失真、高解析力以及强大的负载驱动能力,能够充分释放音箱潜能,呈现宽广声场、丰富细节和自然流畅的音乐表现。

AMP-F8 专为高端两声道音响系统打造,为追求纯净声音与稳定放大性能的用户而设计。

产品特性

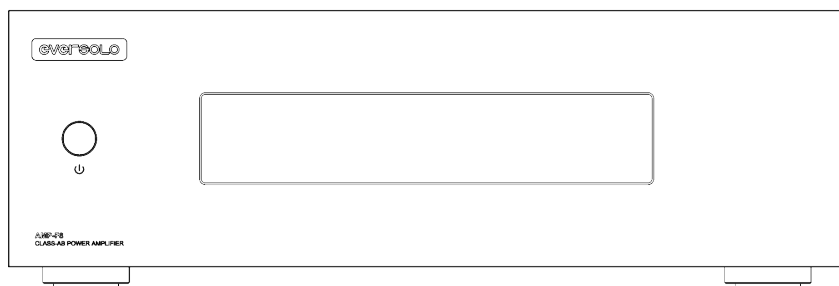
- **高性能Class AB设计:**采用高保真 Class AB 放大架构,在保持低失真、高解析力的同时,提供强劲稳定的输出能力,兼顾声音还原与系统驱动力。
- **高保真音质:**实现低失真、高解析力和优秀的动态响应,精准还原音乐细节,呈现自然、平衡的声音表现。
- **多重保护机制:**内置过流保护、过温保护和短路保护,确保放大器在不同工作条件下的稳定性和安全性。
- **高效散热:**配备高效散热结构,快速降低工作温度,确保长时间运行时的稳定性,并提升使用寿命。
- **独立左右声道:**左右声道采用独立放大设计,降低声道间干扰,提升立体声分离度与声场表现。

产品规格

连续输出功率 (120V/240V AC)	180W RMS@8Ω/每通道 280W RMS@4Ω/每通道 500W RMS@8Ω/桥接模式(暂不支持桥接4Ω)
工作模式	AB类
总谐波失真比+噪声 (THD+N)	0.003%@ 1 KHz
信噪比	≥115dB (A 计权)
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 (180W@8Ω/1KHz)	XLR 输入, 23 dB 增益:5.2 V XLR 输入, 29 dB 增益:2.6 V RCA 输入, 23 dB 增益:2.65 V RCA 输入, 29 dB 增益:1.3 V
频率响应 (@1W/8Ω)	10Hz-30KHz: ±0.5dB
串扰 (180W@8Ω/1KHz)	≤-95dB
阻尼系数 (@8Ω 1KHz)	>400
电源需求	100-120V 60Hz/220V-240V 50Hz, 1200W MAX
重量	净重:15.9KG 毛重:18.6KG
尺寸	宽 265 mm * 深 388 mm * 高 119 mm
配件	电源线*1, 触发线*1, 说明书*1

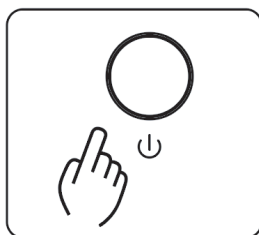
硬件端口介绍

前面板



待机按键

用于开启或关闭设备主电源，并可与触发功能配合使用。



工作状态指示

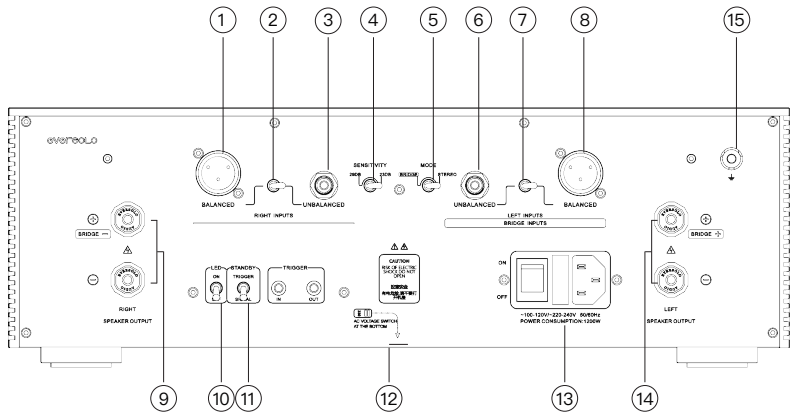
双色 LED 灯圈通过颜色变化指示 AMP-F8 的工作状态。

白色:AMP-F8的主电源已经启动,功放已经打开并进入工作状态

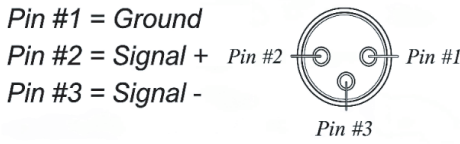
橙色:AMP-F8的电源已经进入了待机状态

橙白交替闪烁:AMP-F8进入保护状态,请先暂停使用并关机检测是否有故障。

后面板



平衡 XLR 引脚定义



接口说明:

1、右声道平衡 XLR 输入

请使用信号线连接至前级放大器或其他音源设备,为功放模块提供信号。如条件允许,建议优先选择平衡 XLR 输入。相比非平衡 RCA 输入,平衡 XLR 接口具备更好的抗噪声能力。

2、右声道输入模式选择开关

选择右声道信号输入形式:RCA 或 XLR。

3、右声道非平衡 RCA 输入

请使用信号线连接至前级放大器或其他音源设备，为功放模块提供信号。

4、灵敏度 / 增益切换

提供 29 dB 和 23 dB 两档增益，可根据扬声器灵敏度选择合适的增益。

5、立体声 / 桥接模式切换

在立体声与桥接模式之间切换，使功率放大器适应多种应用需求。



桥接模式注意事项:

- 切换模式前，请确保放大器电源已关闭，且所有连接的扬声器已断开。
- 请确保扬声器阻抗符合桥接模式的功率输出要求，避免因负载过低造成功放或扬声器损坏。
- 使用桥接模式时，请确认扬声器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、左声道非平衡 RCA 输入

请使用信号线连接至前级放大器或其他音源设备，为功放模块提供信号。

7、左声道输入模式选择开关

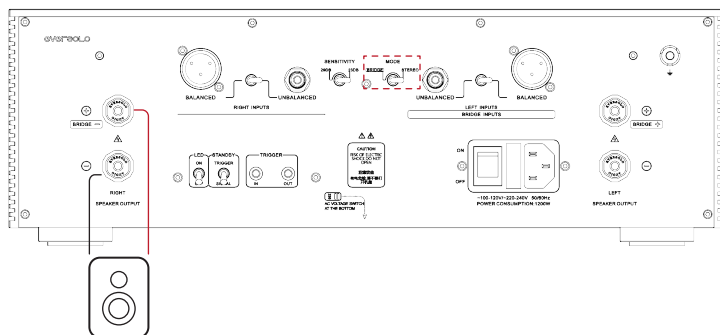
选择左声道信号输入形式：RCA 或 XLR。

8、左声道平衡 XLR 输入

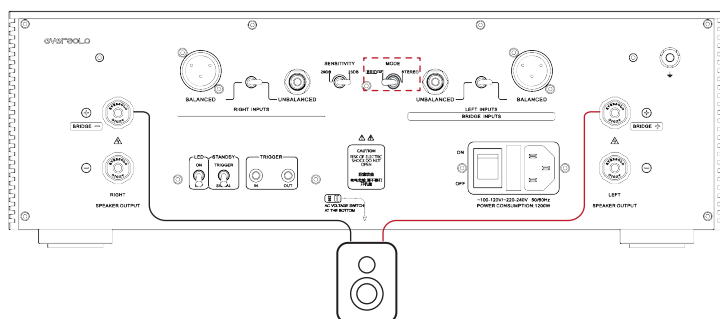
请使用信号线连接至前级放大器或其他音源设备，为功放模块提供信号。如条件允许，建议优先选择平衡 XLR 输入。相比非平衡 RCA 输入，平衡 XLR 接口具备更好的抗噪声能力。

9、右喇叭输出端口

立体声输出时：红色端子连接扬声器正极，黑色端子连接扬声器负极。



桥接输出时:左通道红色端子连接扬声器正极,右通道红色端子连接扬声器负极。



10、VU 表背光开关

控制 VU 表背光的开启或关闭。ON 为开启, OFF 为关闭。

11、待机模式选择开关

触发模式:接入 Trigger In 后,由前级功放或其他信号源输出的 Trigger 信号控制主电源,触发电压为 5-12 V。

信号模式:无信号或信号过低 20 分钟后自动进入待机;检测到音频信号输入或音量调大时自动重新启动。

12、AC电源切换

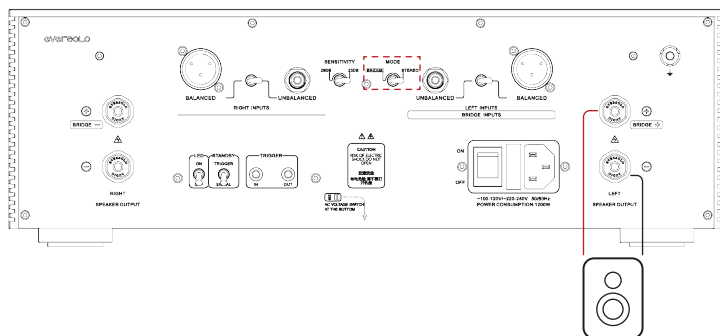
115 V / 230 V 切换开关位于 AMP-F8 底部。上电前,请确认所在国家或地区的 AC 电源规格,并检查底部切换开关是否设置正确。

13、AC 电源插座、电源开关及保险丝

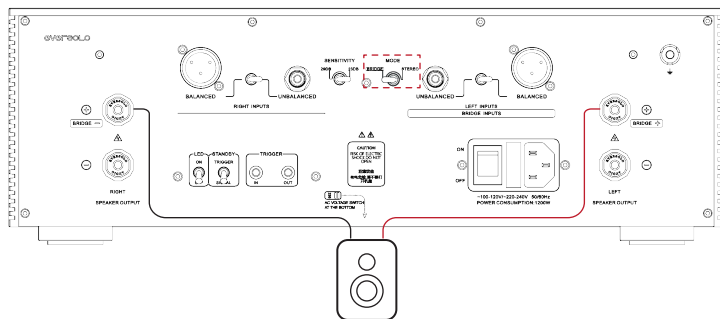
用于连接 AC 电源线、开启或关闭设备电源,并提供保险丝保护。

14、左喇叭输出端口

立体声输出时:红色端子连接扬声器正极,黑色端子连接扬声器负极。



桥接输出时:左通道红色端子连接扬声器正极,右通道红色端子连接扬声器负极。



15、接地端子

用于接地连接。

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。

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

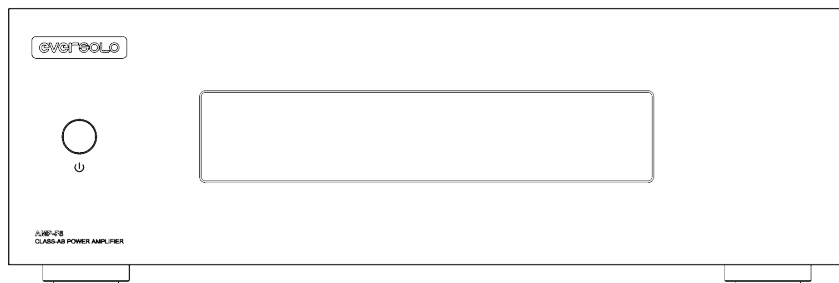
- **High-Performance Class AB Design:** A high-fidelity Class AB amplification architecture delivers powerful, stable output while maintaining low distortion and high resolution.
- **High-Fidelity Sound Quality:** Low distortion, high resolution, and excellent dynamic response help reproduce musical 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

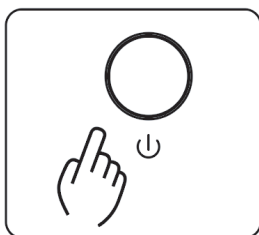
Hardware Port Overview

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

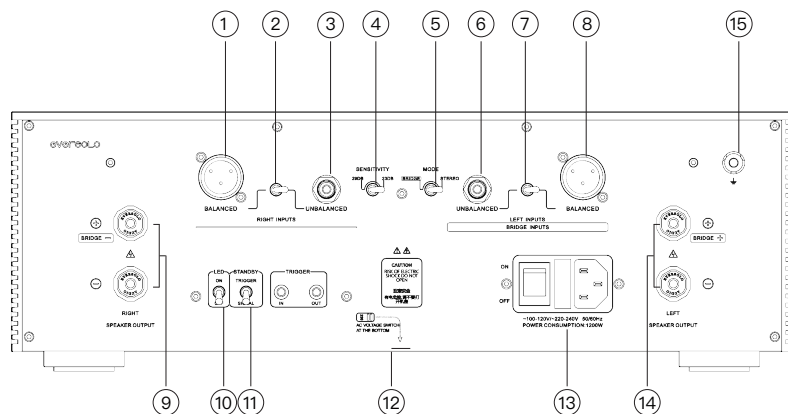
A dual-color LED ring indicates the AMP-F8's operating status through color changes.

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

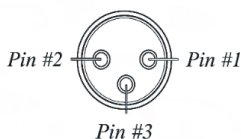


Balanced XLR Pin Assignment

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

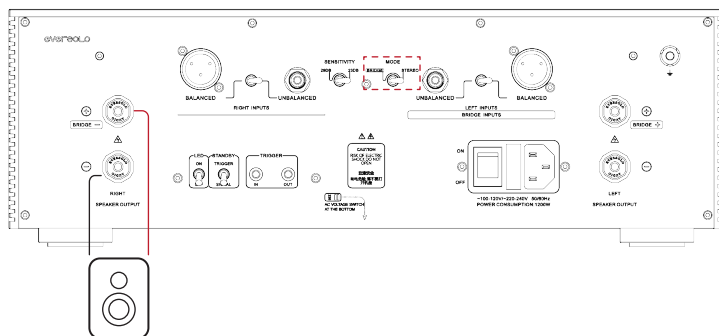
Selects the input signal type for the left channel: RCA or XLR.

8. Left Channel Balanced XLR Input

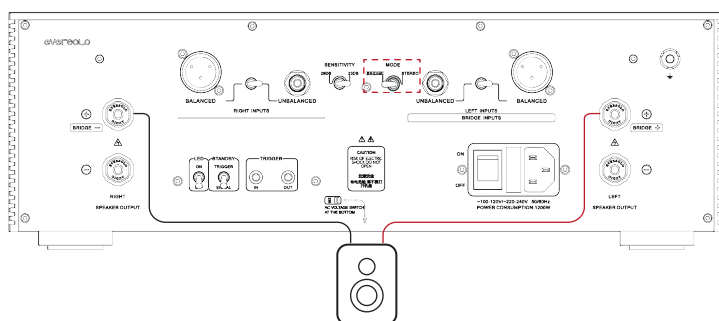
Connect to a preamplifier or other source device using a suitable signal cable. If available, the balanced XLR input is recommended for its superior noise rejection compared with unbalanced RCA input.

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

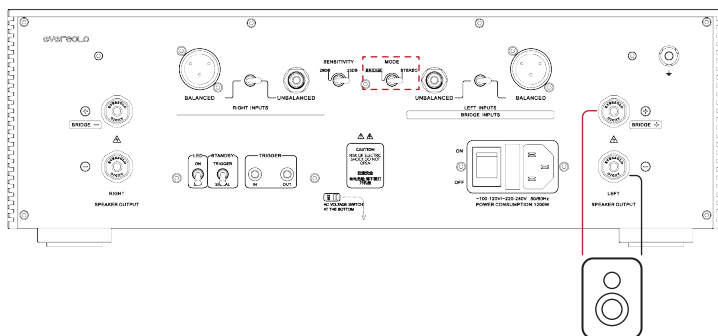
The 115 V / 230 V selector is located on the bottom of the AMP-F8. Before connecting power, confirm the AC mains voltage standard for your country or region and verify that the selector is set correctly.

13. AC Inlet Socket, Power Switch, And Fuse

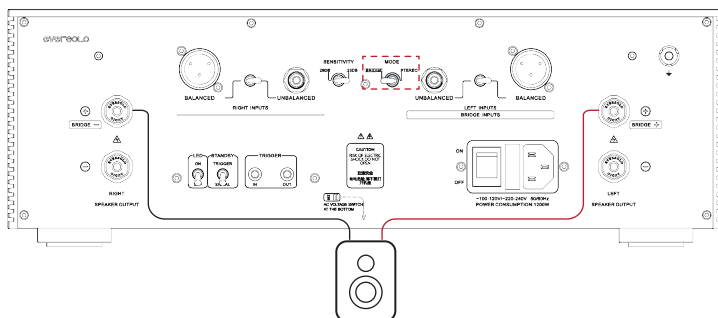
Connects the AC power cord, turns device power on or off, and provides fuse protection.

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.