



VENTOUR12

用户使用说明书

有源线阵列音柱扬声器系统

型号:AX4 / AX23 + SUB212



欢迎使用

Ventour 12 是一款由 2 个音柱扬声器模块 (AX4、AX23) 与 1 个低音炮音箱 (SUB212) 共 3 个部件组装而成的有源 (内置功放) 线阵列音柱扬声器系统。根据上部音柱模块的安装方向 (正向 / 上下翻转) 不同 , 高音 (HF) 阵列的位置也随之改变 , 从而形成两种覆盖设置 (远距离覆盖 / 中距离覆盖), 可根据安装环境及所需的音响覆盖特性进行选择。

内置功放可直接驱动各个单元 , 无需额外外接功放 , 只需连接音频信号 (XLR) 即可立即使用。

主要特点

- 由 2 个音柱扬声器模块 (AX4·AX23)+ 1 个低音炮音箱 (SUB212) 组成的组装式系统
- 高音 (HF)3 单元 + 中音 6 单元 + 低音 (低音炮)2 单元构成的全频系统
- 仅需将上部音柱模块上下翻转安装 , 即可切换两种覆盖设置 (远距离覆盖 / 中距离覆盖)
- 有源方式 — 内置功放及信号处理
- XLR 平衡线路输入

包装清单

打开产品包装后 , 请确认以下部件是否齐全。实际部件可能因销售包装及选配而有所不同。

音柱扬声器模块 (AX4、AX23)	2 个
低音炮音箱 (SUB212)	1 个
电源线	1 条
使用说明书	1 份
落地支架 / 支架转接件 (如适用)	不适用

部件数量请以实际产品包装标签为准重新确认。



DARCMATRIX
Future Industry

我们是工业制造商: 由暗阵未来工业智慧工厂制造
广东省佛山市南海区里水镇科冠路3号

确认我们对以下产品的责任:

设备类型: 有源线阵列音柱扬声器

型号指定: VENTOUR12

制造的产品为:

执行国标 GB 4943.1-2022, 同时遵循 T/GDSCEE 112—2025《数字音频处理器通用规范》行业标准;

指标校准 按照 T/GDSCEE 112—2025 要求, 调整产品技术参数表述, 明确基础型、专业 I 型、专业 II 型产品的指标差异 (如频率响应、信噪比、传输延时等), 确保符合国内标准要求。

重要安全说明



在等边三角形中设置的感叹号，旨在提醒用户注意在配套文档中关于操作与维护的重要说明。



三角形内嵌闪电箭头符号的用途是警示用户，表明设备内部存在“危险电压”，该电压未在机箱内形成隔离状态，其强度可能足以构成安全隐患。

警告：I类结构装置应连接至带有保护接地连接的电源插座。

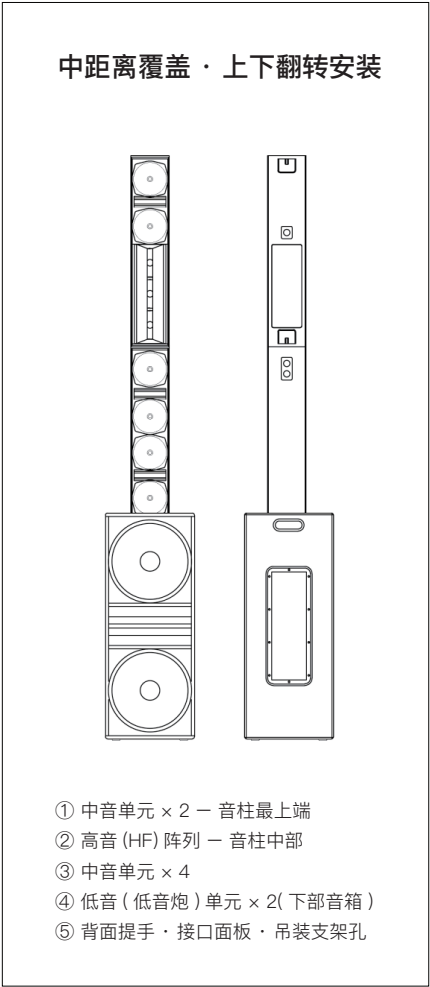
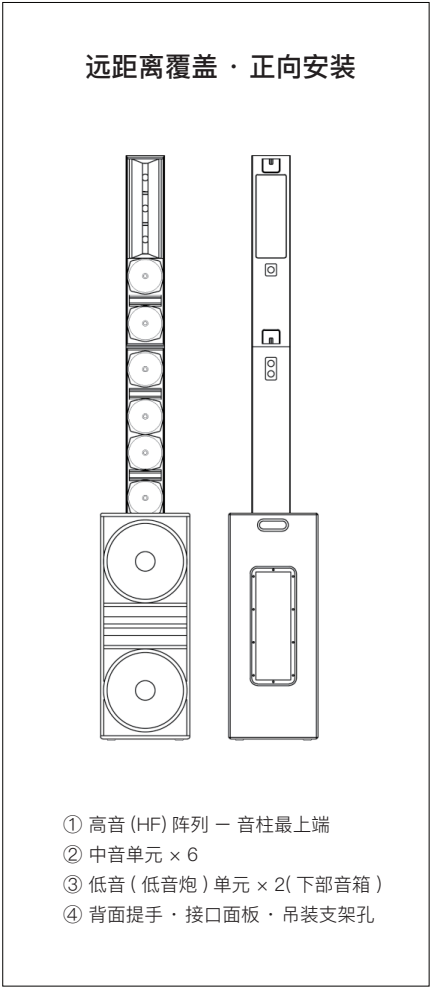
警告：为防止受伤，必须按照安装说明将该装置牢固固定于支架上。

- 1、请阅读本说明书。
- 2、请妥善保存本说明书。
- 3、注意所有警告。
- 4、遵循所有操作说明。
- 5、请勿在水附近使用本设备。
- 6、仅可用干燥布清洁。
- 7、请勿堵塞任何通风口，安装时请遵循制造商的说明。
- 8、不要在任何热源附近安装，例如暖气片、加热器、炉子或其他产生热量的装置(包括其他数字信号处理器)。
- 9、不要破坏极化或接地型插头的安全设计。极化插头有两个刀片，其中一个比另一个宽；接地型插头有两个刀片和第三个接地钉，这是为了保障你的安全。若插头与插座不匹配，请咨询电工更换为符合安全标准的插座或使用合格的转接装置。
- 10、保护电源线，避免踩踏或夹压，尤其注意插头、插座及电源线从插座引出的部位。

- 11、仅使用指定附件 / 配件。
- 12、仅与制造商指定或随设备销售的推车、三脚架、支架或工作台一起使用。使用推车时，请小心移动推车与设备的组合，避免因推车倾倒而受伤。
- 13、在雷暴期间或长时间不使用时，请拔掉该设备的电源插头。
- 14、所有维修工作必须交给有资质的维修人员。当设备出现任何损坏时，例如电源线或插头损坏、液体溢出或物体落入设备、设备暴露在雨或湿气中、设备无法正常运行或设备掉落时，必须立即停止使用并进行维修。
- 15、不要让该设备接触滴落或滴溅，并确保没有装满液体的物体（如花瓶）放在设备上。
- 16、当使用电源插头或电器连接器作为断开装置时，该装置应保持随时可操作的状态。
- 17、本单元配备三芯电源线。出于安全考虑，在任何情况下不得断开接地线。

部件名称

Ventour 12 由 2 个音柱扬声器模块 (AX4、AX23) 与低音炮音箱 (SUB212) 组装而成。将其中位于最上方的音柱模块 (由 HF 阵列 + 2 个中音单元组成) 的安装方向改为正向或上下翻转, 即可组装成两种形态 (远距离覆盖 / 中距离覆盖)。两种形态的单元构成 (高音 3·中音 6·低音 2) 相同, 仅排列顺序不同。



背面 (侧视图) 上部的支架孔用于吊装 / 落地支架固定, 下部音箱背面的面板为电源 · 信号接口及功放模块检修口。详细接口名称及指示灯功能请参考实际产品标签。

技术指标

型号	Ventour 12(音柱模块 AX4 + AX23,低音炮 SUB212)
产品构成	2 个音柱扬声器模块(AX4、AX23)+ 1 个低音炮音箱(SUB212) — 共 3 件组装式
产品类型	有源线阵列音柱扬声器系统
单元构成	高音(HF)× 3 · 中音 × 6 · 低音(低音炮)× 2(共 11 单元)
额定功率	2,500W(系统总输出,以内置功放为准)
驱动方式	有源(内置功放)
输入接口	XLR(平衡线路输入)
安装设置	2 种 — 上部音柱模块正向(远距离覆盖)/ 上下翻转(中距离覆盖),详见第 4 页
外形尺寸(高×宽×深)	SUB:(W) 335mm x (H) 855mm x (D) 375mm,
	MID BOX:(W) 145mm x (H) 685mm x (D) 170mm,
	HI-MID BOX:(W) 145mm x (H) 735mm x (D) 170mm
重量	57kg
阻抗	8Ω
频率响应	39Hz–15KHz/±3dB,35Hz–18KHz/–10dB
电源规格	AC100–230V,50/60HZ

保养与清洁

- 清洁前请务必关闭电源并拔下电源线。
 - 请使用干布或微湿的软布擦拭表面。
 - 请勿使用稀释剂、酒精等化学溶剂，以免损坏产品表面。
- 请定期检查扬声器格栅及通风口是否积尘。
 - 长期不使用时，请存放在湿度较低的场所。

安装方式

Ventour 12 的声学中心距离会因高音 (HF) 阵列的位置不同而变化, 这将直接影响扬声器的覆盖距离 (声音传达的范围)。请根据安装环境选择合适的设置。

远距离覆盖 — 正向安装

将上部音柱模块正向安装, 使高音 (HF) 阵列位于音柱最上端的配置。单元间声学中心距离增大, 覆盖距离随之变宽, 适用于空间较大或观众距离较远的环境 (大型场馆、户外活动、需要远距离覆盖的演出场地等)。

中距离覆盖 — 上下翻转安装

将上部音柱模块上下翻转安装, 使高音 (HF) 阵列位于音柱中部的配置。声学中心距离缩短, 针对近距离使用进行了优化, 适用于观众与扬声器距离较近的小型空间或近距离布置环境。

切换方法 — 上部音柱模块上下翻转

远距离覆盖与中距离覆盖并非两个独立部件, 而是通过将安装在音柱最上端的上部音柱模块 (由高音 HF 阵列 + 2 个中音单元组成的组件) 上下翻转安装来实现切换的。

- 将上部音柱模块正向安装 → 高音 (HF) 阵列位于最顶端 → 远距离覆盖
- 将上部音柱模块上下翻转安装 → 高音 (HF) 阵列位于 2 个中音单元下方 (音柱中部) → 中距离覆盖

下部音柱模块 (4 个中音单元) 与 SUB212 低音炮音箱不受设置影响, 始终保持不变。翻转重新安装上部模块时, 请务必在关闭电源并断开线缆的状态下进行操作。

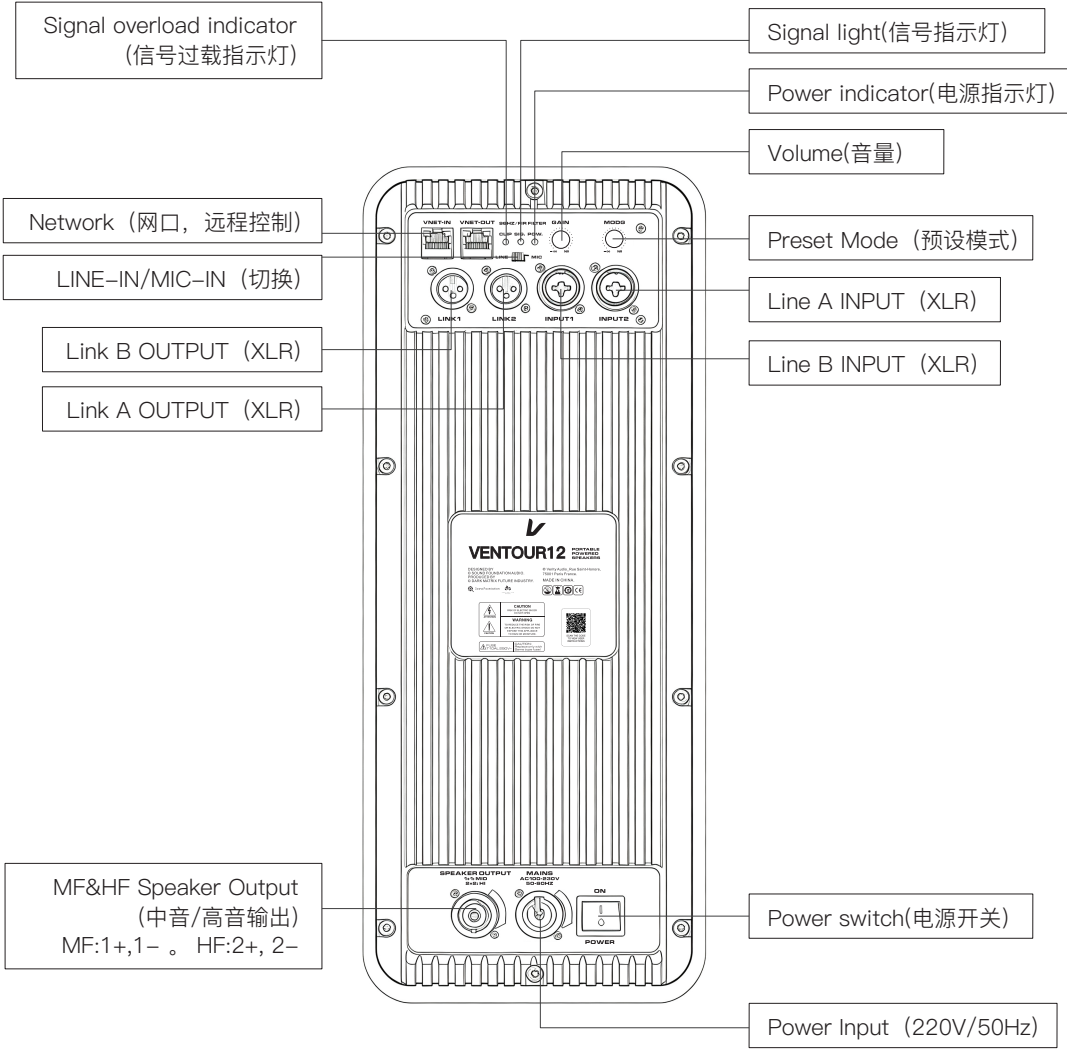
安装与连接方法

1. 确定安装位置, 并根据使用环境选择设置 (远距离覆盖或中距离覆盖)。空间较大或需要远距离覆盖时选择远距离覆盖, 近距离使用时选择中距离覆盖。
2. 根据所选设置, 将上部音柱模块 (高音阵列 + 2 个中音单元) 以正向或上下翻转方向进行安装。
3. 使用落地支架、支架或吊装支架将产品牢固固定。由于音柱型产品重心较高, 请务必采取防倾倒措施。
4. 连接电源之前, 请先将调音台、音源等信号输入设备的音量调至最低。
5. 将音频线缆连接至后面板的 XLR 输入接口。
6. 连接电源线并开启产品电源。
7. 缓慢提高信号源音量, 调整至所需音量。



开启电源前请务必将音量设为最低。若突然输入较大信号, 可能损坏扬声器单元或影响听力。

后面板功能介绍



保修说明

一、免责条款

佛山盛放音响有限公司不对因用户违规使用、错误安装、人为疏忽、意外事故造成的本机、配套扬声器及周边设备损坏承担任何赔偿责任；非产品本身原材料、生产工艺缺陷引发的故障，不在质保赔付范围内。

二、质保说明

本产品享受自购机之日起 1 年有限质保服务，质保期内，在规范安装、合规使用前提下，产品出现原材料或生产工艺缺陷，我司将依据质保约定免费维修故障整机、更换故障零配件。

申请质保售后时，需将产品送至我司授权维修点或指定合作经销商处，由用户先行承担往返运费，并同步提供购机凭证（购机发票复印件）。

退回质保产品须经我司检测核验，确认故障源于原厂工艺 / 物料缺陷方可享受免费维保。

三、质保除外范围

- 1、人为误用、磕碰意外、安装接线错误、私自改造成损坏；
- 2、机身序列号、出厂编码被涂改、损毁、剔除无法核验溯源；
- 3、外力、环境等间接因素带来的次生损毁，我司不承担相关损失赔付。

四、售后地址

广东省佛山市南海区里水镇科冠路 3 号

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VENTOUR12 USER MANUAL

Active Column Array Speaker System

Model: AX4 / AX23 + SUB212



WELCOME TO USE

Ventour 12 is an active (built-in power amplifier) column array speaker system consisting of three parts assembled together: two column speaker modules (AX4, AX23) and one subwoofer cabinet (SUB212). Depending on the mounting orientation of the upper column module (normal / inverted), the position of the high-frequency (HF) array changes, producing two setups (Long Coverage / Mid Coverage) that can be selected according to the installation environment and desired coverage characteristics. Because the built-in power amplifier drives each unit directly, no external amplifier is required — simply connect an audio signal (XLR) and the system is ready to use.

Key Features

- Assembled system consisting of 2 column speaker modules (AX4, AX23) + 1 subwoofer cabinet (SUB212)
- Full-range system with 3 HF units + 6 midrange units + 2 low-frequency (subwoofer) units
- Switch between two coverage setups (Long Coverage / Mid Coverage) simply by inverting the upper column module
- Active design — built-in power amplifier and signal processing
- XLR balanced line input

Package Contents

After unpacking, please check that all of the following items are included. Actual contents may vary depending on the sales package and options.

Column speaker modules (AX4, AX23)	2
Subwoofer cabinet (SUB212)	1
Power cable	1
User manual	1
Pole-mount bracket / stand adapter (if applicable)	N/A

Please verify the exact quantities against the actual product package label.

Product conformity statement



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No. 3, keguan road, lishui town, nanhai district, foshan city, guangdong province, China

Confirm our responsibility for the following products:

Equipment type: Active Column Array Speaker System

Model specification: VENTOUR12

The manufactured products are:

Comply with the national standard GB 4943.1–2022, while also following the industry standard T/GDSCEE 112—2025 "General Specifications for Digital Audio Processors";

Indicator calibration: According to the requirements of T/GDSCEE 112—2025, adjust the description of product technical parameters, clearly define the differences in indicators among basic type, professional type I, and professional type II products (such as frequency response, signal-to-noise ratio, transmission delay, etc.), to ensure compliance with domestic standards.

Important safety instructions



The exclamation mark placed in the equilateral triangle is intended to remind users to pay attention to the important instructions on operation and maintenance in the accompanying documents.



The purpose of the lightning bolt arrow symbol embedded within the triangle is to alert users, indicating the presence of "hazardous voltage" inside the equipment. This voltage is not isolated within the chassis and may be strong enough to pose a safety hazard.

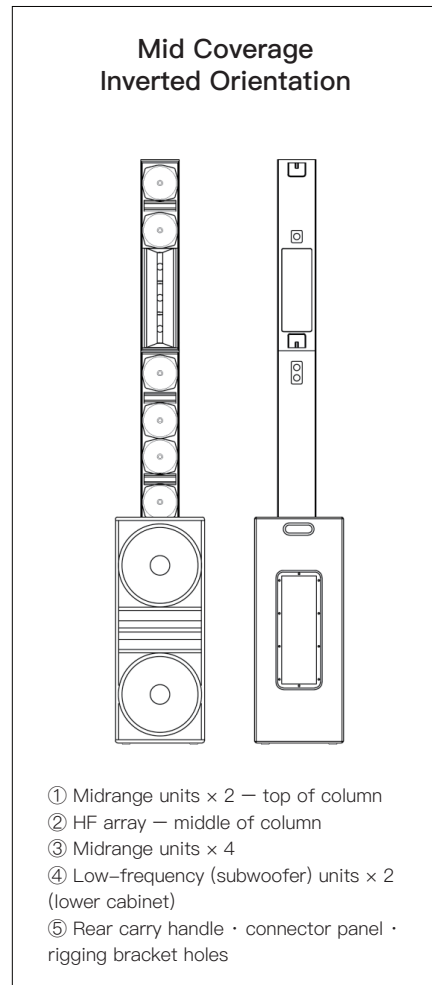
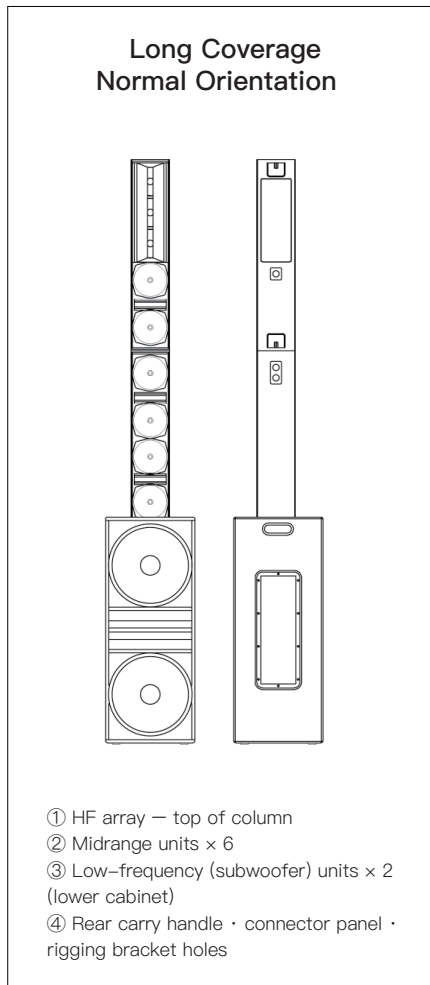
Warning: Class I electrical equipment should be connected to a power socket with a protective grounding connection.

Warning: To avoid injury, this device must be securely fixed to the bracket according to the installation instructions.

1. Please read this manual.
2. Please keep this manual properly.
3. Pay attention to all warnings.
4. Follow all operation instructions.
5. Do not use this equipment near water.
6. Only use a dry cloth for cleaning.
7. Do not block any ventilation openings. Follow the manufacturer's instructions when installing.
8. Do not install near any heat source, such as radiators, heaters, stoves or other heat-generating devices (including other digital signal processors).
9. Do not damage the safety design of polarized or grounded plugs. Polarized plugs have two prongs, one of which is wider than the other; grounded plugs have two prongs and a third grounding pin, which is to ensure your safety. If the plug does not match the socket, consult an electrician to replace it with a socket that meets safety standards or use a qualified adapter.
10. Protect the power cord. Avoid stepping on or pressing it. Pay special attention to the parts where the plug, socket and power cord are connected from the socket.
11. Use only the specified attachments / accessories.
12. Use only with the carts, tripods, stands or work-benches specified by the manufacturer or sold with the equipment. When using the cart, be careful to move the combination of the cart and the equipment gently to avoid injury due to the cart tipping over.
13. Unplug the power plug of this device during thunderstorms or when it is not in use for a long time.
14. All maintenance work must be handed over to qualified maintenance personnel. When the equipment suffers any damage, such as damaged power cords or plugs, liquid spillage, objects falling into the equipment, the equipment being exposed to rain or moisture, the equipment not functioning properly, or the equipment falling, it must be immediately stopped from use and repaired.
15. Do not allow the device to come into contact with dripping or splashing, and ensure that no objects filled with liquids (such as vases) are placed on the equipment.
16. When using the power plug or electrical connector as a disconnect device, the device should remain in an operable state at all times.
17. This unit is equipped with a three-core power cord. For safety reasons, the grounding wire must not be disconnected under any circumstances.

Parts Identification

The Ventour 12 is assembled from two column speaker modules (AX4, AX23) and a subwoofer cabinet (SUB212). Changing the mounting orientation of the topmost column module (HF array + 2 midrange units) — normal or inverted — produces two configurations (Long Coverage / Mid Coverage). Both configurations share the same unit count (3 HF · 6 mid · 2 low); only the arrangement order differs.



The bracket hole at the top of the rear/side view is for rigging/pole-mount fixing; the panel on the rear of the lower cabinet provides access to the power/signal connectors and amplifier module. Refer to the actual product label for detailed connector names and indicator functions.

Specifications

Model	Ventour 12 (Column modules AX4 + AX23, Subwoofer SUB212)
Product Configuration	2 column speaker modules (AX4, AX23) + 1 subwoofer cabinet (SUB212) — 3-piece assembly
Product Type	Active column array speaker system
Driver Configuration	HF × 3 · Midrange × 6 · Low (subwoofer) × 2 (11 units total)
Rated Power	2,500 W (total system output, based on built-in power amplifier)
Drive Type	Active (built-in power amplifier)
Input Connector	XLR (balanced line input)
Installation Setup	2 types — upper column module normal (Long Coverage) / inverted (Mid Coverage), see page 4
Dimensions (H×W×D)	SUB:(W) 335mm x (H) 855mm x (D) 375mm
	MID BOX:(W) 145mm x (H) 685mm x (D) 170mm
	HI-MID BOX:(W) 145mm x (H) 735mm x (D) 170mm
Weight	57 kg
Impedance	8Ω
Frequency Response	39Hz–15KHz/±3dB,35Hz–18KHz/–10dB
Power Supply	AC100–230V,50/60HZ

Maintenance & Cleaning

- Always power off and disconnect the power cable before cleaning.
- Wipe the surface with a dry cloth or a soft cloth lightly dampened with water.
- Do not use thinner, alcohol, or other chemical solvents, as they may damage the product's surface.
- Periodically check the speaker grille and ventilation openings for dust buildup.
- Store the product in a location with low humidity when not in use for extended periods.

Installation Type — Long Coverage / Mid Coverage

06 Installation Type — Long Coverage / Mid Coverage

The Ventour 12's acoustic center distance changes depending on the position of the HF array, which in turn affects the speaker's coverage distance (the range the sound reaches). Please select the setup that matches your installation environment.

Long Coverage — Normal Orientation

This configuration mounts the upper column module in its normal orientation, placing the HF array at the very top of the column. The longer acoustic center distance between units widens the coverage distance, making it suitable for large spaces or environments where the audience is far away (large halls, outdoor events, venues requiring long-range coverage, etc.).

Mid Coverage — Inverted Orientation

This configuration mounts the upper column module upside down, placing the HF array in the middle of the column. The shorter acoustic center distance is optimized for near-field use, making it suitable for small spaces or environments where the audience is close to the speaker.

How to Switch — Inverting the Upper Column Module

Long Coverage and Mid Coverage are not separate parts — they are achieved by flipping the mounting orientation of the upper column module (the assembly consisting of the HF array + 2 midrange units) mounted at the top of the column.

- Mount the upper column module in its normal orientation → HF array positioned at the very top → Long Coverage
- Mount the upper column module inverted → HF array positioned below the 2 midrange units (middle of the column) → Mid Coverage

The lower column module (4 midrange units) and the SUB212 subwoofer cabinet remain the same regardless of setup. Always power off and disconnect all cables before flipping and remounting the upper module.

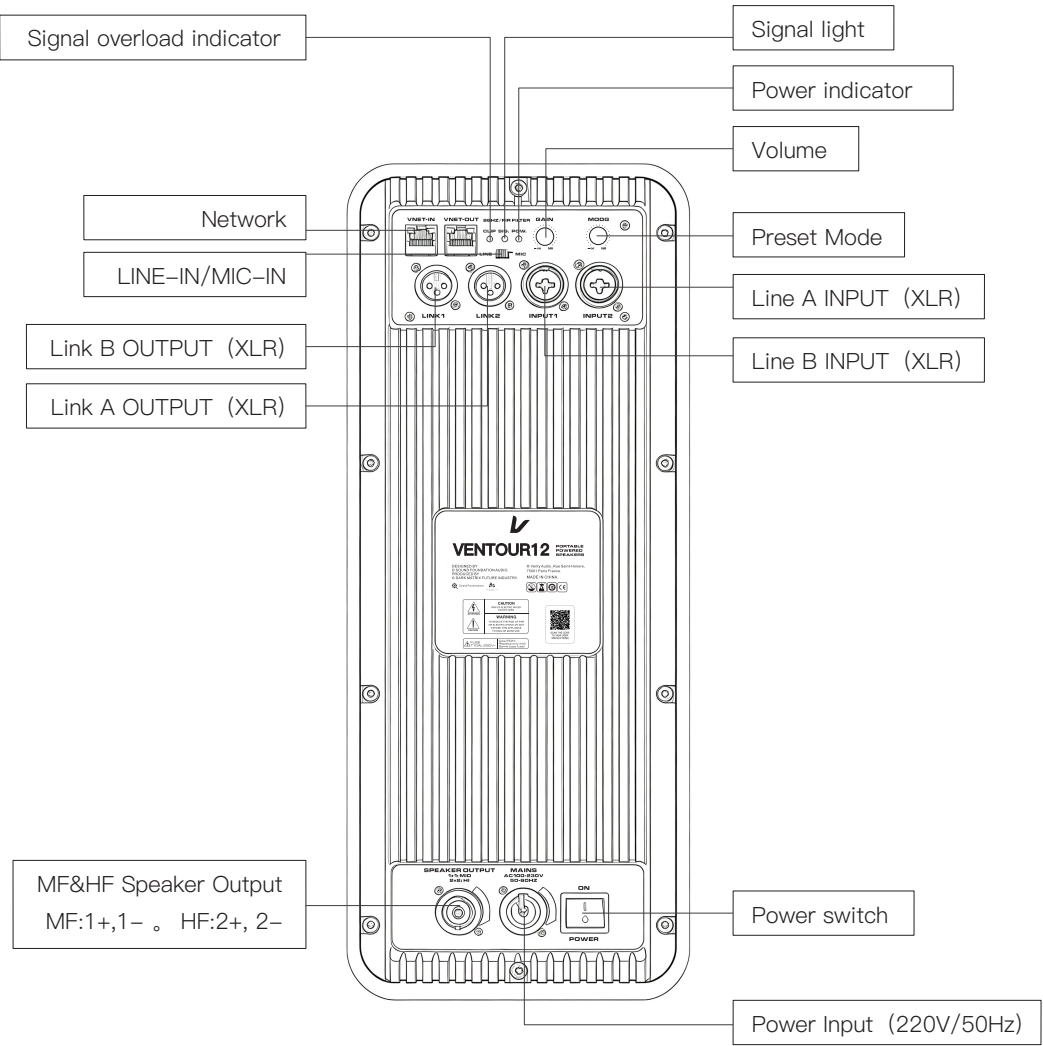
Installation & Connection

1. Decide on the installation location and choose the setup (Long Coverage or Mid Coverage) that matches your environment. Choose Long Coverage for large spaces or long-range coverage, or Mid Coverage for near-field use.
2. Mount the upper column module (HF array + 2 midrange units) in the normal or inverted orientation to match the selected setup.
3. Use a pole mount, stand, or rigging bracket to secure the product safely. Because the column-type product has a high center of gravity, be sure to take measures to prevent tipping.
4. Before connecting power, lower the volume of the mixer, audio source, or other signal input device to the minimum.
5. Connect the audio cable to the XLR input connector on the rear panel.
6. Connect the power cable and turn on the product.
7. Gradually raise the volume of the signal source to the desired listening level.



Always set the volume to minimum before powering on. A sudden high-level signal can damage the speaker drivers or affect your hearing.

Interface Introduction



Warranty information

1、Disclaimer Clause

Sound foundation audio Co.,Ltd. shall not be held responsible for any damage to this product, its accompanying speakers and surrounding equipment caused by users' improper use, incorrect installation, human negligence or accidental incidents. Faults not caused by the inherent raw materials or production processes of the product are not covered by the warranty and compensation.

2、Warranty Information

This product enjoys a 1-year limited warranty starting from the date of purchase. During the warranty period, if the product has defects in raw materials or production processes under the premise of proper installation and compliant usage, our company will repair the faulty complete machine or replace the faulty parts free of charge in accordance with the warranty terms.

When applying for warranty services, the product must be sent to our authorized repair point or designated cooperative dealer. The user is required to bear the round-trip transportation cost first, and simultaneously provide the purchase invoice (copy of the purchase invoice).

Returned warranty products must be inspected and verified by our company. Only if the fault is confirmed to be caused by the original factory's process/material defects can the free maintenance be enjoyed.

3、Exclusions from Warranty Coverage

1. Damage caused by human error, accidental collision, incorrect installation and wiring, or unauthorized modification;
2. The serial number of the body and the factory code have been altered, damaged, or removed, making it impossible to verify and trace the origin;
3. Secondary damage caused by external forces, environmental factors, etc., is not covered by our company for compensation of related losses.

4、After-sales Address

No. 3, ke guan road, lishui town, nanhai district, foshan city, guangdong province, China

DESIGNED BY
© SOUND FOUNDATION AUDIO.
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PRODUCED BY
© DARK MATRIX FUTURE INDUSTRY.



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