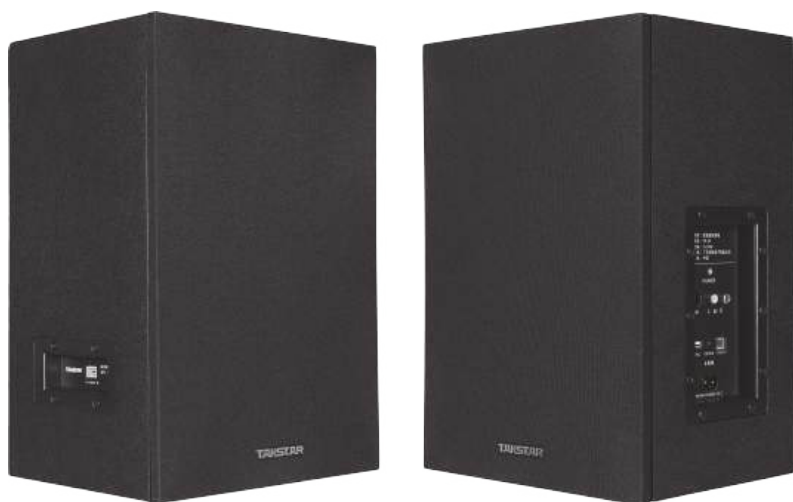


TAKSTAR® 得胜



SP-14

教室壁挂音箱

Classroom Wall Speaker

使用手册 | User Manual

SP-14 教室壁挂音箱

■ 前言

感谢您选购得胜电教系统SP-14教室壁挂音箱,为了您能够更好地了解使用本产品,建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议,可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



■ 产品特性

- 搭配红外人体感应对频连接的对频器主机,有效绑定音箱与麦克风,不串频、不干扰;
- 音箱单元由一只4寸纸盆低音和一只球顶高音组成,声音通透,穿透力强;
- 设有1组RCA立体声音频输入,方便播放教学音频以及背景音乐;
- 箱体采用9mm MDF木质结构,稳定而厚实,有效减少谐振,声音更干净;
- 前置导向设计,紧贴墙壁安装也不影响音箱声音的厚度;
- 侧控面板,提升使用便捷性,方便用户操作。

■ 适用范围

适用于教学、会议室等场合

■ 产品配置

音箱	1对
电源线.....	1条
音箱线.....	1条
壁挂安装螺丝.....	2颗
安装胶塞	2个
说明书.....	1份

SP-14 教室壁挂音箱

■ 技术参数

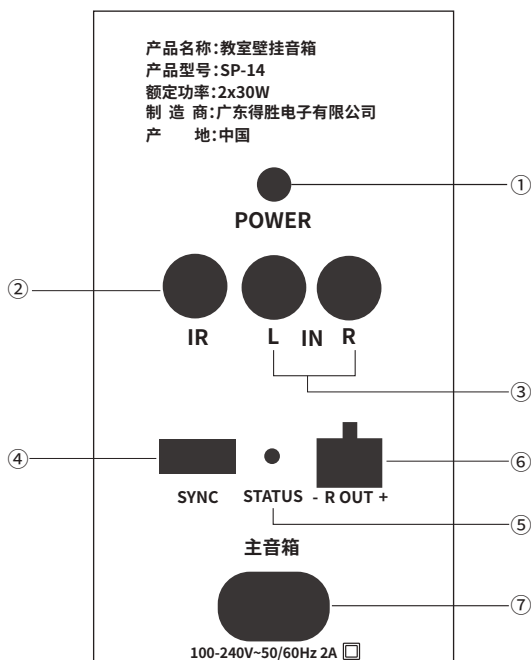
- 输出功率:2*30W
- 频率响应:112Hz-11kHz
- 灵敏度:90dB
- 额定阻抗:4Ω
- 低音喇叭:1*4寸 4Ω
- 高音喇叭:13芯PEI膜片球顶高音
- 箱体板材:9mm中纤板
- 安装方式:壁挂/吊挂
- 表面处理:聚氯乙烯 黑色/灰白色
- 最大声压级:105dB
- 主箱重量:约3.4Kg
- 副箱重量:约3.2Kg
- 箱体尺寸(W*D*H):230*183*340mm
- 电源:100-240V~50/60Hz 2A

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

SP-14 教室壁挂音箱

■ 功能示意

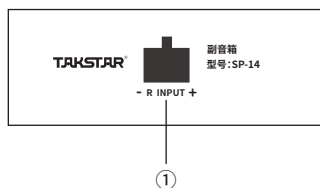
主音箱侧面板



- ① 电源开关:轻触开关,开启或关闭音箱电源。
- ② IR红外接收窗口:可通过此窗口与红外对频主机无线同步系统设置(同步频率和地址码,需正对,有效距离1.5米以内)。
- ③ L/R输入接口:RCA立体音频输入接口,用于输入连接教学音频以及背景音乐。
- ④ SYNC接口:通过USB转Type-C线与红外对频主机在线连接,连接后使红外对频主机的设置信息上传到音箱,同时可通过对频主机操作来调节音箱的输出音量。
- ⑤ 电源指示灯 (STATUS):开机时指示灯常亮红灯;关机指示灯熄灭;与对频主机通过红外方式同步系统信息成功时闪亮红灯。
- ⑥ R OUT输出接口:通过音箱线连接该接口输出信号到副箱。
- ⑦ 电源输入接口:220V电源输入接口,外接电源给音箱通电。

SP-14 教室壁挂音箱

副箱面板



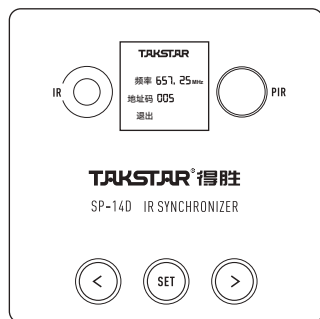
① R IN输入:副音箱音频信号输入口,用于接收来自外部音频设备的音频信号。

■ 使用说明

系统操作指引

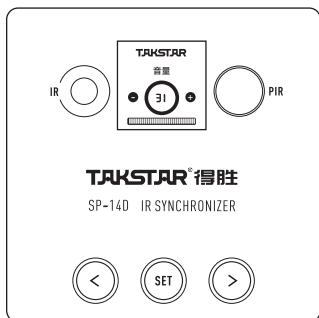
步骤一:系统设置

1. 通过连接电源线给音箱通电并开机。
2. 使用USB转Type-C连接线连接音箱与红外对频主机(此时红外对频主机自动开机)。
3. 点对频主机面板上的“SET”按键,进入系统设置界面,再次按动“SET”键可切换到下一项,选择“频率”或者“地址码”选项后,按动面板上的“<”或“>”按键可对系统频率以及地址码进行调节(可调频点数为99个,地址码范围为001-099),选择“退出”选项按动“<”或“>”按键确认当前设置并退出设置界面回到主界面,此时系统信息设置成功,音箱与对频主机信息绑定成功。



SP-14 教室壁挂音箱

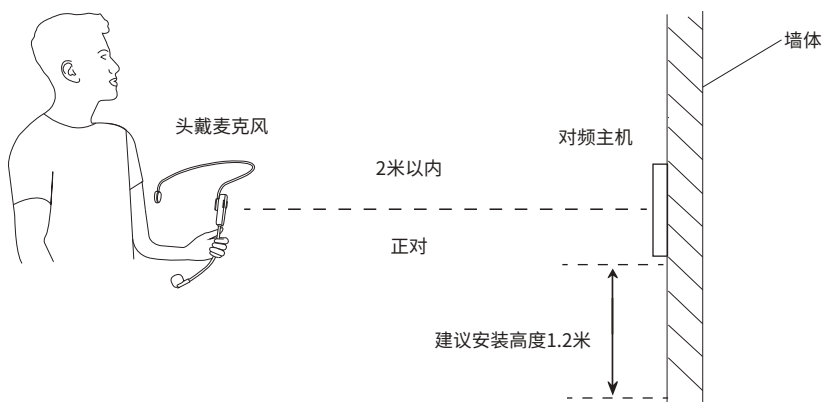
4. 音箱音量调节(出厂默认最大音量):用户可根据使用环境需求,对音箱输出音量进行设置,共31级音量大小可调节。先点按红外对频主机“<”按键,进入音箱音量设置界面,再次按动“<”或“>”按键,可对音箱音量进行调节,点按逐级加减1级,长按连续变化到最大或者最小值。



注:音箱输出音量只能在线连接红外对频主机时才能调节,所以需在红外对频主机安装施工前设置完成。

步骤二:麦克风对频连接

1. 红外对频主机对频方式有两种:一种是红外人体感应自动对频,另一种是手动对频操作。
2. 对频主机在通电开机状态下,无线头戴或手持麦克风开机,麦克风将自动进入对频状态,同时显示屏中绿灯闪烁。
3. 人体正对靠近红外对频器,距离需保持在2米范围以内,此时对频主机主界面左上角出现红色指示灯闪烁,将麦克风显示屏正对红外对频主机,即可自动完成对频。



SP-14 教室壁挂音箱

4. 对频完成后, 麦克风显示屏上指示灯由闪烁变为绿灯常亮; 对频主机显示屏中红灯熄灭, 话筒标识符号、话筒信号强度条、喇叭标识符号均绿色常亮, 其中话筒音量进度条呈绿色闪动(根据话筒音量动态闪动)。

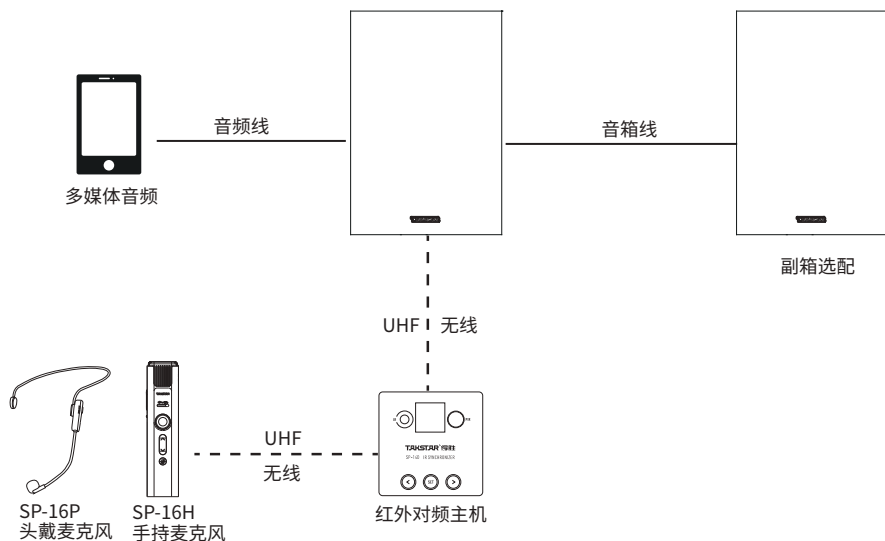
5. 如遇红外对频主机自动对频失败或特殊情况无法启动对频(主界面左上角无小红点指示灯闪烁), 可以尝试手动对频。在对频主机通电开机状态下, 直接点按面板上的“>”按键, 主界面左上角将出现红色指示灯闪烁, 将麦克风开机且显示屏正对红外对频主机完成对频。

6. 如需进行锁定/解锁操作, 长按红外对频主机面板上的“SET”按键5秒, 界面显示红色锁符, 表示已锁定成功。再次长按“SET”按键5秒可进行解锁, 界面锁符变为绿色。

注: 上述操作完成后, 若在使用中存在干扰现象, 可更换对频主机频率或者地址码并退出回到主界面, 然后将对频主机正面“IR”口对准音箱红外接收窗口(1.5米以内), 进行更换系统频率和地址码(无需有线连接), 当音箱红外接收“STATUS”指示灯闪烁红灯, 表示系统信息更换成功, 这样来系统避开干扰。

安装操作说明

一、平板音箱系统连接示意

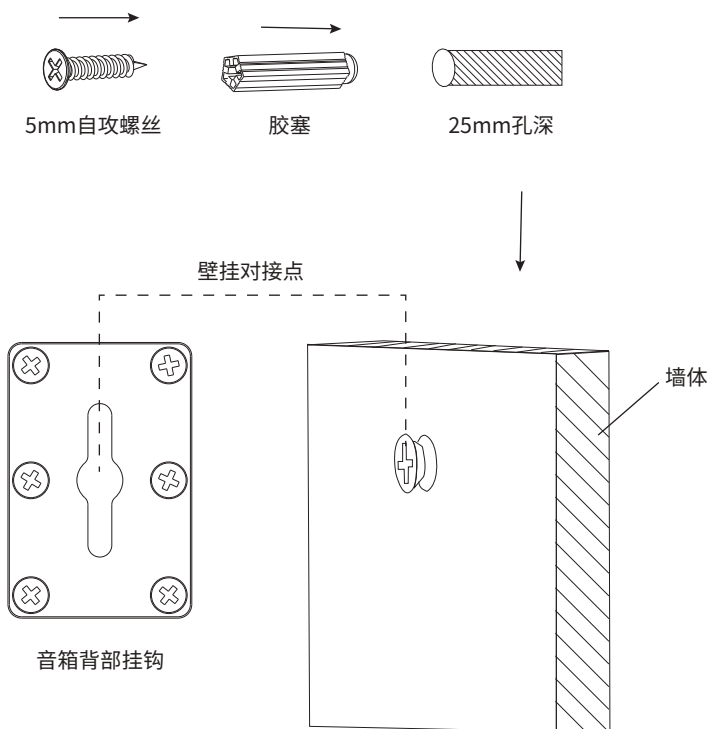


注: 系统搭配方式: SP-14D红外对频主机1只、SP-14壁挂音箱一套、无线麦克风若干(含SP-16P无线头戴麦克风/SP-16H无线手持麦克风两种选择)。

SP-14 教室壁挂音箱

二、壁挂音箱安装示意

1. 选择6mm的合金冲击钻头，将钻头安装在冲击电钻上对准音箱壁挂架安装点位进行钻孔，钻孔深度25mm(与壁挂胶塞长度一致)，用胶锤把咬合胶塞敲打进孔位里直至与墙平整，接着通过螺丝刀把5mm的平头自攻不锈钢螺丝装入胶塞里面，螺丝头平面离墙壁平面5mm左右，将音箱背部挂钩处对准壁挂螺丝露头处进行安装紧扣。手动检查音箱背部挂钩与螺丝之间的配合度是否坚固。请参考如下示意图：

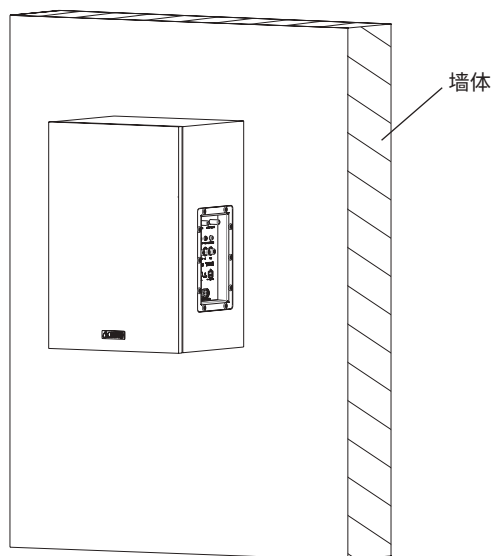


注：主音箱与副音箱的安装方式相同，此处不再赘述。

2. 连接主音箱和副音箱的线缆长度为5米，主音箱电源线长度为1.5米。安装时，建议将主音箱和副音箱的间距宽度定位在4.8米，以达到合适空间布局。

SP-14 教室壁挂音箱

三、壁挂音箱安装完成检查



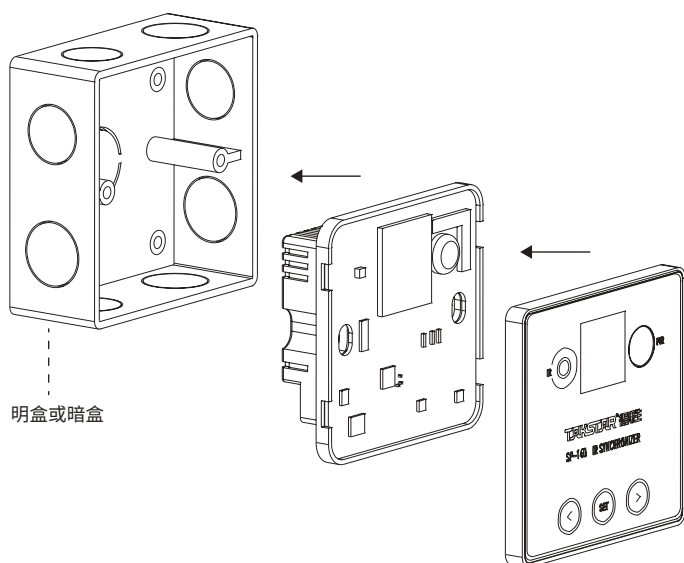
注：音箱安装紧固后在重力作用下检查音箱是否挂牢固，确保壁挂螺丝头卡入音箱背部的挂钩槽内，再整理连接线、电源线、音频输入线（音频线需客户根据实际需求另行购买）至合理位置。

四、安装注意事项

1. 主音箱和副音箱在面板上有贴纸标注“主音箱”或“副音箱”字样，方便用户识别。
2. 主音箱安装方位建议在左边，副音箱安装方位在右边，安装时请注意面板贴纸上的标注，主副音箱的连接线和音频输入线，电源线要注意合理走线，避免外露。

SP-14 教室壁挂音箱

五、对频主机安装示意



1. 红外对频主机为标准86*86mm隐藏式插座尺寸。
2. 选定好需要安装的位置(建议安装高度在1.2米左右),如需明装,需先固定好明盒(需自行购买)。
3. 安装方式与墙面隐藏式电源插座安装方式相同,安装时先取下对频主机面板,将220V交流电接入凤凰接口(注意L/N不要接反),安装板通过附带螺丝锁到暗盒或者明盒对应的螺丝柱,最后扣上面板完成安装。

注:对频主机供电方式分为220V交流供电(凤凰接口)和5V直流(Type-C)两种供电方式。Type-C接口主要用于与音箱连接设置系统参数以及音箱的输出音量;凤凰接口用于墙面安装接220V交流电源供电时使用。

SP-14 教室壁挂音箱

■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请确认所连设备与本产品是否匹配以及合理调整音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送售后服务网点检修；
3. 消费者若使用电源适配器供电，则应购买配套使用获得CCC认证并满足标准要求的电源适配器；
4. 本产品及配件都应放置在室内干燥通风处，请勿长期存放在潮湿、灰尘多的环境，使用中避免靠近火源、雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
5. 若产品需要固定于墙壁或天花板时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
6. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用本产品，以免导致意外事故；
7. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地售后服务网点跟进处理。

SP-14 教室壁挂音箱

■ 关于图标含义解释



此符号表示, 根据WEEE指令(2012/19/EU)和国家法律, 由于这种类型的废弃物会有潜在的有害物质, 可能对环境 and 人类健康产生负面影响, 所以本产品不应与您的家庭垃圾一起处置,

应将本产品应交由授权的电气和电子设备 (WEEE) 回收站回收。同时, 您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息, 请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。

■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品, 本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书, 请访问得胜官网, 然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同, 如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息, 请浏览得胜官方网站:<https://www.takstar.com>

版权所有 ©2024 得胜。得胜、TAKSTAR及其各自标志是广东得胜电子有限公司在中国和/或其他国家/地区的注册商标或商标。所有其它商标均是各自所有者的财产。

SP-14 Classroom Wall Speaker

■ Preface

Dear Customer,

Thank you for purchasing Takstar SP-14 Classroom Wall Speaker. To better understand and use the product, please read this manual thoroughly. If you have any questions or suggestions, please contact our local sales outlet.

■ Features

- Pairs with infrared human body sensing synchronizer for hassle-free auto sync.
- One 4-inch paper cone woofer and one dome tweeter for clear and powerful sound.
- Convenient RCA stereo audio inputs for teaching audio and background music playback.
- 9mm MDF wood enclosure for stability and reduced resonance.
- Front-facing reflex port design for close-to-wall installation without compromising sound quality.
- User-friendly side control panel for easy operation.

■ Applications

For educational settings, conference rooms, etc.

■ Package Contents

1 × Speaker Pair	1 × Power Cord	1 × Speaker Cable
2 × Wall Screw	2 × Wall Anchor	1 × User Manual

SP-14 Classroom Wall Speaker

■ Specifications

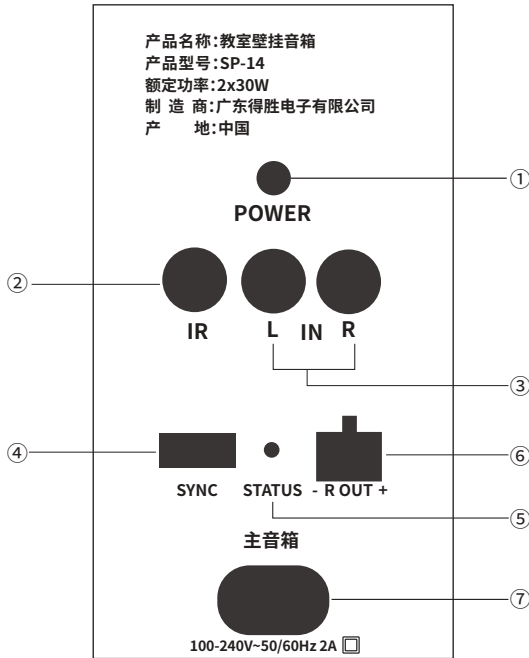
- Output Power: 2*30W
- Frequency Response: 112Hz-11kHz
- Sensitivity: 90dB
- Rated Impedance: 4Ω
- Woofer: 1*4-inch 4Ω paper cone
- Tweeter: 13mm-core PEI film dome
- Cabinet Material: 9mm MDF board
- Mounting Options: Wall-mount/Hanging
- Surface Finish: PVC Black/Grey-White
- Maximum Sound Pressure Level: 105dB
- Main Speaker Weight: Approx. 3.4Kg
- Secondary Speaker Weight: Approx. 3.2Kg
- Cabinet Dimensions (W*D*H): 230*183*340mm
- Power Supply: 100-240V~50/60Hz 2A

Note: The above data are measured by Takstar laboratory which has the final interpretation right!

SP-14 Classroom Wall Speaker

■ Function Descriptions

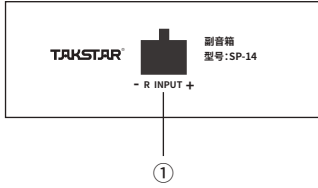
Main Speaker Side Panel



- ① Power Switch: A push-button switch used to turn the speaker on or off.
- ② IR Infrared Receiver Window: Synchronizes system settings (frequency and address code) wirelessly with the IR synchronizer (directly facing within an effective range of 1.5 meters).
- ③ L/R Input Interfaces: RCA stereo audio input ports for connecting teaching audio and background music sources.
- ④ SYNC Interface: Connects to the synchronizer, via a USB-C cable, to set system parameters and adjust speaker output volume.
- ⑤ STATUS Power Indicator: The indicator light is off when powered off, illuminates red when powered on, and flashes red when synchronizing parameters with the synchronizer over IR.
- ⑥ R OUT Output Interface: Connects to the secondary speaker using a speaker wire to transmit the audio signal.
- ⑦ Power Input Port: Connects to a 220V power source to supply power to the speaker.

SP-14 Classroom Wall Speaker

Secondary Speaker Panel



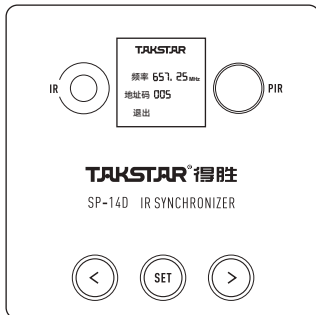
① R IN Input: Audio signal input port for receiving audio from external audio devices.

■ Operating Instructions

System Operation Guide

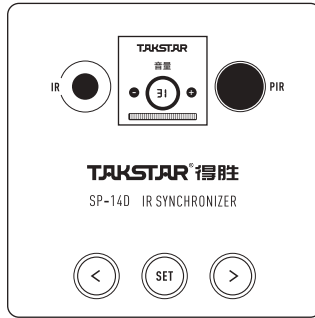
I. System Setup

1. Connect the speaker to power using the provided power cord and turn it on.
2. Connect the speaker to the IR synchronizer using the USB -C cable (the IR Synchronizer will automatically turn on).
3. Press the SET button on the synchronizer panel to enter the system setup interface. Press the SET button again to switch to the next option. Use the < or > buttons on the panel to adjust the system frequency and address code (frequency can be adjusted in 99 steps, address code ranges from 001-099). Choose the Exit option and press the < or > buttons to confirm the current settings and exit the setup interface. At this point, the system parameters are successfully configured, and the speaker is successfully linked to the synchronizer.



SP-14 Classroom Wall Speaker

4. Speaker Volume Adjustment (factory default maximum volume): Users can adjust the output volume of the speaker according to their use cases. There are 31 levels of volume adjustable. Press the < button on the IR synchronizer to enter the speaker volume setting interface. Press the < or > buttons again to adjust the speaker volume. Press once for incremental adjustment by 1 level, or press and hold for continuous adjustment to the maximum or minimum value.

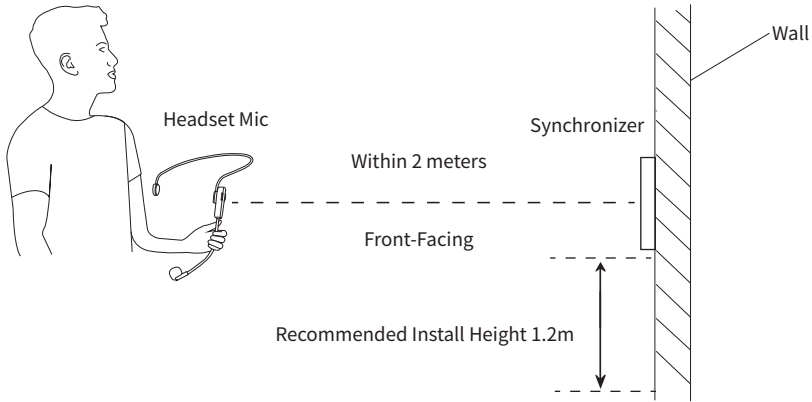


Note: Speaker output volume can only be adjusted when connected to the IR synchronizer via USB-C cable, and therefore should be set up before installing the IR synchronizer.

II. Mic Synchronization

1. There are two ways to synchronize with the IR synchronizer: automatic sync using infrared body sensing or manual sync.
2. With the synchronizer powered on, turn on the wireless headset or handheld mic. The mic will enter sync mode automatically, indicated by a flashing green light on its display screen.
3. Stand within 2 meters in front of the IR synchronizer. A flashing red light will appear on the synchronizer's main interface. Align the mic display screen with the IR synchronizer to complete automatic sync.

SP-14 Classroom Wall Speaker



4. Once sync is complete, the green light on the mic display screen will turn steady. The red light on the synchronizer's display screen will go off, and the mic symbol, signal strength indicator, and speaker symbol will all be displayed in steady green. The mic volume meter will fluctuate in green (in sync with the mic volume level).

5. If automatic sync fails or in special circumstances where automatic sync is not possible (no flashing red light indicator in the top left corner of the main interface), manual sync can be attempted. With the synchronizer powered on, press the > button on the panel. A flashing red light will appear in the top left corner of the main interface. Turn on the mic and align its display screen with the IR synchronizer for manual sync.

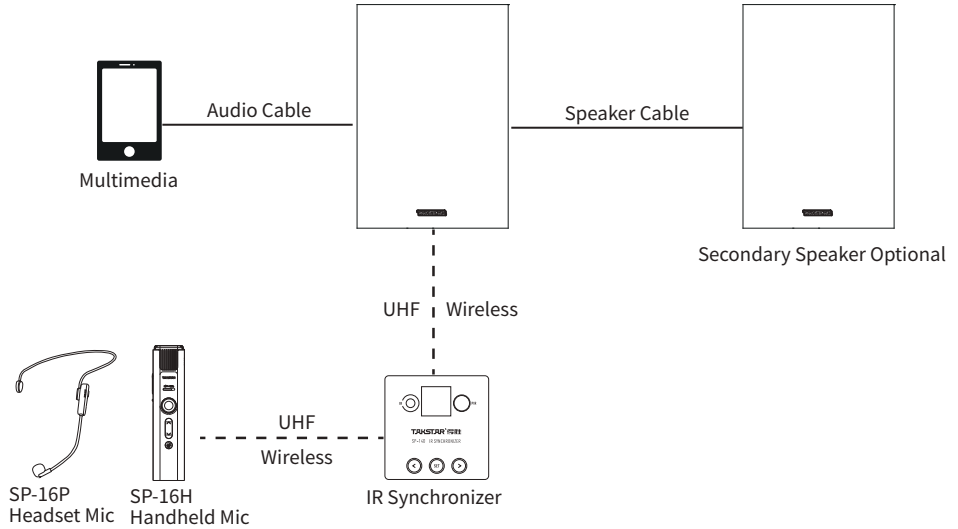
6. To lock/unlock operation, press and hold the SET button on the IR synchronizer panel for 5 seconds. The interface will display a red lock symbol when locked and a green symbol when unlocked.

Note: If there is interference during use, change the frequency or address code of the synchronizer to avoid interference. Align the front IR window of the synchronizer with the infrared receiver window of the speaker (within 1.5 meters). Change the system frequency and address code directly (wired connection not required). When the STATUS indicator on the speaker flashes red, it indicates successful system parameter update.

SP-14 Classroom Wall Speaker

Installation Instructions

I. Planar Speaker System Connection Overview

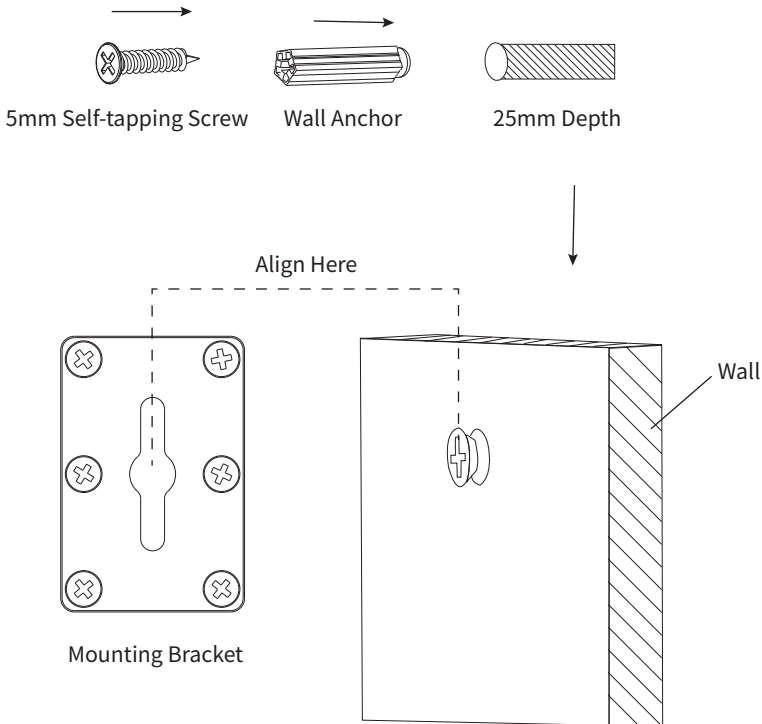


Note: The typical configuration includes one SP-14D infrared synchronizer, one set of SP-14 wall speakers, and several wireless mics (choose between SP-16P wireless headset mic or SP-16H wireless handheld mic).

SP-14 Classroom Wall Speaker

II. Wall Mount Speaker Installation Guide

1. Select a 6mm alloy impact drill bit and install it onto the impact drill. Align the drill bit with the mounting points on the speaker bracket and drill holes to a depth of 25mm (matching the length of the wall anchor). Use a mallet to tap the wall anchor into the holes until it is flush with the wall. Then, use a screwdriver to insert a 5mm flat-head self-tapping stainless steel screw into the wall anchor. The screw head should be approximately 5mm away from the wall surface. Align the hooks on the back of the speaker with the exposed ends of the wall screws and securely fasten the speaker. Check to ensure a secure fit between the speaker hooks and the screws. Please refer to the diagram below:

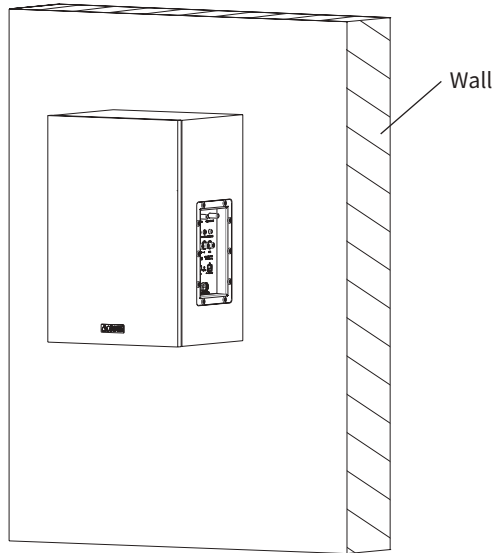


Note: The installation method for the main speaker and secondary speaker is the same, and will not be repeated here.

SP-14 Classroom Wall Speaker

2. The cable length for connecting the main speaker and secondary speaker is 5 meters, while the power cord for the main speaker is 1.5 meters in length. During installation, it is recommended to position the main speaker and secondary speaker with a distance of 4.8 meters between them, to achieve an optimal spatial layout.

III. Post-Installation Inspection for Wall Mount Speakers



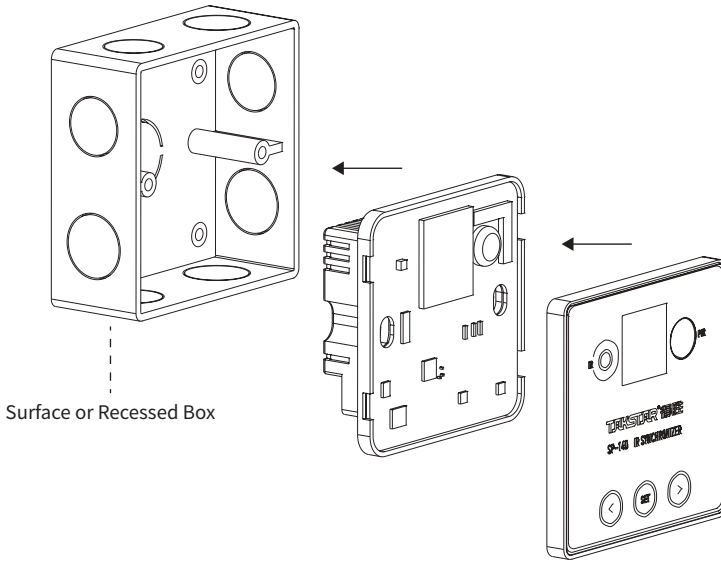
Note: After securely fastening the speakers, check if they are firmly attached under the force of gravity. Ensure that the wall screws are securely inserted into the hooks on the back of the speakers. Then, tidy up the connection cables, power cord, and audio input cables (audio cables need to be purchased separately by the customer) to their appropriate positions.

IV. Installation Precautions

1. The main speaker and secondary speaker have labels on the panel indicating Main Speaker or Secondary Speaker for easy identification by users.
2. It is recommended to install the main speaker on the left and the secondary speaker on the right, following the labels on the panel labels. Pay attention to the proper routing of the connection cables, audio input cables, and power cord to avoid exposure.

SP-14 Classroom Wall Speaker

V. IR Synchronizer Installation Overview



1. The infrared frequency synchronizer is designed to fit a standard 86*86mm recessed socket.
2. Choose an appropriate installation location (recommended height around 1.2 meters). If surface-mounted, install a suitable surface-mount electrical box (to be purchased separately) first.
3. The installation method is the same as that of a recessed power outlet on the wall. Remove the panel of the IR synchronizer, connect the 220V AC power to the phoenix connector (ensure correct L/N polarity), secure the plate using the provided screws onto the corresponding screw column of the mounting box (recessed or surface-mounted), and finally, attach the panel to complete the installation.

Note: The power supply for the IR synchronizer can be either 220V AC power (Phoenix interface) or 5V DC power (USB-C). The USB-C interface is mainly used for connecting and setting system parameters as well as adjusting the output volume of the speaker. The Phoenix interface is used when wall-mounted and powered by a 220V AC power source.

SP-14 Classroom Wall Speaker

■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service for repair.
3. Power adapter used, if any, should be approved by CCC certification or similar standards and comply with the power supply requirements.
4. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
5. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
6. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
7. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service.

SP-14 Classroom Wall Speaker

■ Label Meanings



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

Copyright ©2024 TAKSTAR. TAKSTAR, 得胜 and their respective logos are registered trademarks or trademarks of Guangdong Takstar Electronic Co., Ltd. in the PRC, and/or other countries. All other trademarks are the property of their respective owners.

注意事项：

1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
2. 保修期限制：购买之日起十二个月内。
3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
5. 擅自拆卸维修者，不予保修。
6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

产品服务保证书

姓名：_____ 电话：_____ 地址：_____

商品：_____ 型号：_____ 购买日期：_____ 年 ___ 月 ___ 日

维修记录栏 (由维修员填写)	维修员签名	日期



扫一扫，了解更多产品
Scan for more
product information

广东省电声工程技术研究中心 广东得胜电子有限公司制造

地址：广东省惠州市博罗县龙溪街道富康一路2号

服务热线：400 6828 333 传真：0752 6383950

邮箱：xs@takstar.com

网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.

Address: No. 2 Fu Kang Yi Rd., Longxi Boluo

Huizhou, Guangdong 516121 China

Tel: 86 752 6383644 Fax: 86 752 6383952

Email: sales@takstar.com

Website: www.takstar.com