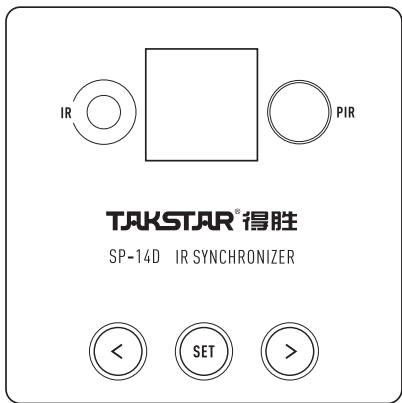


TAKSTAR® 得胜



SP-14D | 红外对频主机
IR Synchronizer

使用手册 | User Manual

SP-14D 红外对频主机

■ 前言

尊敬的用户：

感谢您选购得胜电教系统SP-14D红外对频主机，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

- 采用人体红外感应触发对频技术，当人体靠近时自动与麦克风完成无线对频，方便快捷；
- 系统对频率和地址码双重管控，不串频，不干扰；
- 可视化麦克风信号强度、音量动态显示，麦克风使用状态直观明了；
- 220V交流供电嵌入式安装，美观便捷。

■ 适用范围

适用于教学、会议室等场合

■ 产品配置

红外对频主机.....	1个
说明书.....	1份

SP-14D 红外对频主机

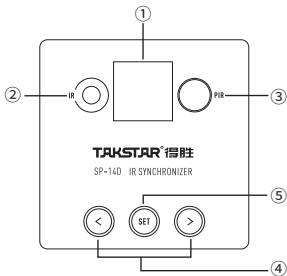
■ 技术参数

- 感应方式:红外
- 智能对频距离: ≤ 2 米
- 供电方式:直流/交流可选
- 直流供电接口:Type-C
- 交流供电接口:凤凰接口
- 电源:5V1A, 220V/50Hz
- 产品尺寸:86*86*30mm
- 产品重量:约93g

注:以上数据由得胜实验室测试得到,并拥有最终解释权!

■ 功能示意

前面板



- ① 显示屏:显示麦克风信号强度、麦克风音量、系统设置等信息。
- ② IR红外发射窗口:通过此窗口把系统频率、地址码信息同步到麦克风和音箱中。(需正对,有效距离为1.5米以内)
- ③ PIR红外人体感应窗口:可迅速侦测人体靠近,当人体进入感应范围,红外对频主机将自动启动对频功能。

SP-14D 红外对频主机

④ “<”“>”键:用于系统频率、地址码、音箱音量调节等操作。

● 频率及地址码调节

在设置界面时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”选项后按动“<”或“>”键确认当前设置并退出设置界面回到主界面。

● 音箱音量调节(在线状态时)

解锁状态下,先点按红外对频主机“<”键,进入音箱音量设置界面,再次按动“<”或“>”键,即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,共0-31级音量范围可调节;如果在没进入音量调节状态时,先点按“>”键则进入手动对频状态!

锁定状态下:点按右键进入手动对频状态,按动“<”键和点按“SET”按键将无作用。

● 当对频器和音箱断开连接后(离线状态下),按动“<”键,界面喇叭符号闪烁红灯,按动“SET”键,红色锁符号闪烁。

⑤ SET键:红外对频主机设置按键,点按进入设置界面,可对系统“频率”、“地址码”进行调节。长按该按键5秒可对主机进行锁定及解锁操作;锁定后主界面右上角显示红色锁符,解锁后锁符变为绿色。

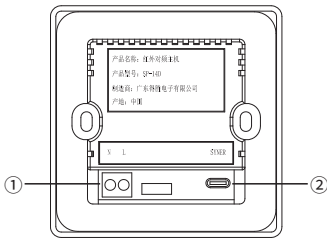
主界面显示屏



SP-14D 红外对频主机

- ① RF频率:表示当前系统所设置的频率信息。
- ② 麦克风信号强度标识符:麦克风与对频主机未连接时标识符显示灰色,对频成功时显示绿色,圆圈表示麦克风信号强度,话筒符号表示麦克风当前状态。
- ③ 麦克风音量标识符:圆圈动态显示当前麦克风的输出音量,内部“喇叭”标识符显示绿色表示音箱已进入正常工作状态,显示蓝色表示在线连接。

主界面显示屏



- ① 凤凰接口:220V电源输入接口为红外对频主机供电。
- ② Type-C接口:通过USB转Type-C连接线与音箱在线连接(此时面板显示屏喇叭标识符常亮蓝色,断开连接及离线状态变灰色),将上传红外对频主机的设置信息到音箱(频率,地址码)并绑定。

■ 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。

■ 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>

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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(不包含港澳台地区)。

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

◆广东得胜电子有限公司 ◆电话: 400-6828-333 ◆地址: 广东省惠州市博罗县龙溪街道富康一路2号

■ Preface

Dear Customer,

Thank you for purchasing Takstar SP-14D IR Synchronizer. To better understand and use the product, please read this manual thoroughly. If you have any questions or suggestions, please contact our local dealer.

■ Features

- Infrared human body sensing for hassle-free auto IR sync.
- Dual control of system frequency and address code, preventing interference and crosstalk.
- Clear visual indicators for mic signal strength and volume dynamics.
- Discreet, embedded installation with 220V AC power requirement.

■ Applications

For educational settings, conference rooms, etc.

■ Package Contents

1 × IR Synchronizer

1 × User Manual

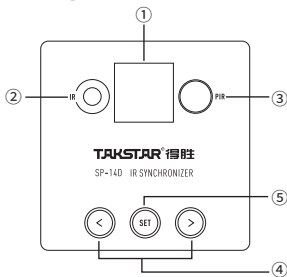
■ Specifications

- Sensing Method: Infrared
- Sync Distance: $\leq 2\text{m}$
- Power Supply: DC/AC optional
- DC Power Interface: USB-C
- AC Power Interface: Phoenix
- Power: 5V1A, 220V/50Hz
- Product Dimensions: 86*86*30mm
- Product Weight: Approx. 93g

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

■ Function Descriptions

Front Panel



- ① Display Screen: Shows mic signal strength, mic volume, system settings, and other info.
- ② IR Infrared Transmitting Window: Synchronizes system frequency and address code info to the mic and speakers. (Requires front alignment within an effective distance of 1.5 meters)

SP-14D IR Synchronizer

③ PIR Infrared Human Body Sensing Window: Quickly detects human proximity. When a person enters the sensing range, the IR synchronizer auto activates frequency sync.

④ < and > Keys: Used for system frequency, address code, and speaker volume adjustments.

● Frequency & Address Code Adjustment:

Inside Settings interface, you can adjust the system frequency and address code (with 99 adjustable frequency points and an address code range of 001-099). Then, select Exit option, press < or > key to confirm current settings and return to the main interface.

● Speaker Volume Adjustment (While line-connected/online):

In the unlocked state: Press < key on the IR synchronizer to enter the speaker volume settings. Press < or > key again to adjust the speaker volume. Each press adjusts the volume by one level, while a long press continuously increases or decreases the volume to the maximum or minimum value. The volume range is adjustable from 0-31 levels. If you are not in the volume settings interface, pressing > will start manual frequency sync.

In the locked state: Press the > key to start manual frequency sync. Pressing < key or SET button will have no effect.

● When the synchronizer and speakers are disconnected (in offline status), pressing < key will cause the speaker icon on the screen to flash red; and pressing SET key will cause the red lock icon to flash.

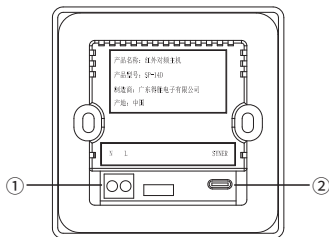
⑤ SET Key: IR synchronizer settings button. Press to enter the Settings interface, where you can adjust the system frequency and address code. Long-press for 5 seconds to lock or unlock the synchronizer. When locked, a red lock symbol is displayed in the top right corner of the main interface. When unlocked, the lock symbol changes to green.

Main Screen



- ① RF Frequency: Displays the currently set frequency info of the system.
- ② Mic Signal Strength Indicator: The indicator appears in gray when no mic is connected, and turns green when a mic is synced and connected. The dynamic circle meter represents the mic signal strength, while the mic icon indicates the current status of the mic.
- ③ Mic Volume Indicator: The circle meter displays the current output volume of the mic. The internal speaker icon turns green to indicate that the speaker is in normal working state and blue when it is line connected.

Back Panel



- ① Phoenix Interface: 220V power input interface that supplies power to the synchronizer.
- ② USB-C Interface: Connects to the speaker through a USB-A to USB-C cable for online connection (the speaker icon on the panel illuminates blue). When disconnected or in offline status, the indicator turns gray.

This interface uploads the settings info (frequency, address code) to the speaker and binds them with the IR synchronizer.

■ 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.

■ 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/>

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