

TAKSTAR® 得胜



SF-M1

麦克风无线收发器

Wireless Microphone Transceiver

使用手册 | User Manual

SF-M1 麦克风无线收发器

■ 前言

尊敬的用户：

感谢您选购得胜SF-M1麦克风无线收发器，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

- SF-M1是一款话筒无线音频传输器，解决有线限制的烦恼；
- 采用UHF低功耗无线技术，不串频不干扰，还原度高。高功率使用距离可达25米；低功率使用距离15米；
- 出厂已配好频率，即开即用，操作简单无需复杂设置；
- 一键切换高低功率，三级音量调节，轻松应对多种场合；
- 支持手动切换0V、3V、48V电源，供动圈麦克风和电容麦克风使用；
- 内置可充电锂离子电池，高功率续航可达5小时，低功率续航可达6.5小时；
- 外形独特小巧，轻松适配各种有线麦克风，便于随身携带；
- 兼顾远距离收音需求与节能需求，适配不同空间规模；
- 支持-18°C~50°C环境温度，适用严寒酷暑等极端环境，保障设备稳定运行；
- 专业级音频性能动态范围>100dB，频率响应50Hz-18KHz，失真率<1.0%@1KHz；
- 人声清晰还原，高频细节饱满，低频扎实稳定。

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■ 适用范围

适用舞台演出、户外弹唱、室内录音、音频传输等场合

■ 标准配置

- 接收器 1个
- 发射器 1个
- 卡侬母转6.35插头1个
- 卡侬母转3.5插头1个
- 充电线 1条
- 说明书 1份
- 收纳包 1个

■ 技术参数

接收器参数

- 频率范围: 640-690MHz
- 消耗电流: 60mA
- 供电方式: 400mA锂电池
- 电源供应: 5V-1A
- 频率响应: 50Hz-18KHz
- 动态范围: 100dB
- 失真: <1.0%@1KHz
- 信噪比: >90dB
- 电池使用时间: ≤6.5 hours
- 充电时间: >2小时
- 工作温度: -18°C-50°C
- 高功率工作距离: 25m
- 低功率工作距离: 15m

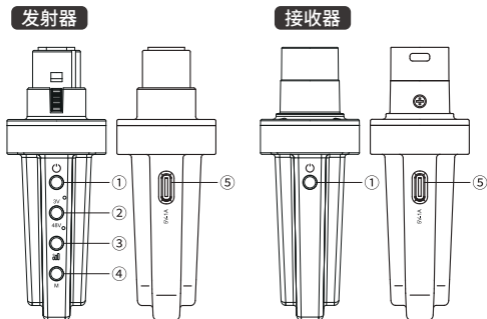
发射器参数

- 频率范围: 640-690MHz
- 调制方式: 固定频率
- 高功率消耗电流: 80mA
- 高功率电池使用时间: ≤5小时
- 输出功率: ≤10mW
- 低功率消耗电流: 60mA
- 低功率电池使用时间: ≤6.5小时
- 供电方式: 400mA锂电池
- 充电时间: 2小时
- 标称偏移频率: <10KHz
- 工作温度: -18°C~50°C

注: 以上数据由得胜实验室测试得到,并拥有最终解释权!

SF-M1 麦克风无线收发器

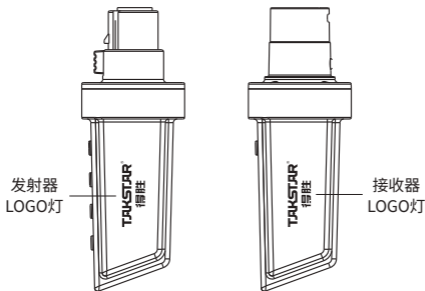
■ 功能示意



- ① 开关键：长按2秒开机或关机。
- ② 伏数切换键：开机默认0V，指示灯熄灭，适合动圈麦克风；长按1秒，切换3V或48V电容麦克风使用。
- ③ 音量调节键：短按调节音量大小，共3级音量（低，中，高）循环调节。
- ④ M模式切换键：短按切换模式，蓝灯亮为高功率模式，发射接收距离远；绿灯亮为低功率模式，省电耗能低。
- ⑤ Type-C充电口：通过Type-C转USB线连接5V通用充电器，为设备充电，充电时青色灯常亮，充满后灯灭。

注意：收到产品请先充满电再使用

■ 使用说明



- 1、长按2秒打开接收器电源开关，将其插入音响、声卡或调音台通道，此时接收器呈LOGO蓝灯闪烁，表示未完成配对；
- 2、长按2秒打开发射器电源开关并接入麦克风，此时发射器LOGO显示蓝或绿灯常亮，且接收器由蓝灯闪烁变为常亮，代表配对成功。
- 3、开机默认0V适配动圈麦克风，若您使用的是驻极体电容麦克风，需长按发射器的伏数切换键，将电源切换至3V；若使用的是需幻象电源（48V）的电容麦克风，则需切换至48V电源模式。
- 4、短按音量调节键，可在低增益（3dB）、中增益（6dB）和高增益（9dB）之间切换，根据实际需求选择合适的增益匹配麦克风。
- 5、短按M键可切换发射功率模式，蓝灯为远距离功率模式，绿灯为近距离续航功率模式。
- 6、使用过程中，若LOGO显示为青色呼吸灯，表示电量不足，请及时充电。充电时为青色灯常亮，充满后自动熄灭。

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7、固定频点表：

频段	频率
CH1	640.100
CH2	645.300
CH3	650.500
CH4	655.700
CH5	660.900
CH6	642.100
CH7	647.300
CH8	652.500
CH9	657.700
CH10	662.900

■ 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. 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；
4. 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；
5. 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；
6. 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。

■ 环保说明

产品中有毒有害物质或元素的名称及含量标识表

部件名称	有毒有害物质或元素									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)	邻苯二甲酸 二正丁酯 (DBP)	邻苯二甲酸 二异丁酯 (DIBP)	邻苯二甲酸 丁基酯 (BBP)	邻苯二甲酸 二(2-乙基)己酯 (DEHP)
塑料部件	○	○	○	○	○	○	○	○	○	○
金属部件	×	○	○	○	○	○	○	○	○	○
电路板组件	×	○	○	○	○	○	○	○	○	○
线缆	×	○	○	○	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○ : 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

× : 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

此标志为产品的环保使用期限标志,
且此环保使用期限只适用于产品正常工作的温度和湿度等条件。



■ 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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SF-M1 Wireless Microphone Transceiver

■ Preface

Dear Customer,

Thanks for purchasing our product. Read this manual thoroughly for proper use.

If you have any questions or suggestions, please contact our local sales service.

■ Features

- Wireless plug-on XLR mic adapter system designed to eliminate wired hassles.
- UHF low-power tech, interference-resistant. Up to 25m or 15m range in high or low power mode.
- Pre-paired at factory, ready-to-use, and easy-to-operate.
- High/low power switching, 3-level volume control, adaptive to various occasions.
- Switchable power options at 0V/3V/48V, compatible with dynamic and condenser mics.
- Rechargeable li-ion battery inside, up to 5 hours runtime in high power mode, 6.5 hours in low power mode.
- Compact, portable design, suitable for different types of wired mic.
- Balance transmission range and energy efficiency based on venue sizes.
- Operational stably in extreme environments ranging from -18°C to 50°C.
- Pro audio performance, dynamic range >100dB, frequency response 50Hz-18KHz, THD <1.0%@1KHz.
- Clear vocal reproduction, with rich high-frequency details, and solid, stable low frequencies.

SF-M1 Wireless Microphone Transceiver

■ Applications

For stage performances, outdoor singing, indoor recording, and audio transmission.

■ Package Contents

- | | |
|---------------------------|--------------------|
| 1 × XLR Receiver | 1 × Charging Cable |
| 1 × XLR Transmitter | 1 × User Manual |
| 1 × XLR to 6.35mm Adapter | 1 × Storage Bag |
| 1 × XLR to 3.5mm Adapter | |

■ Specifications

Receiver

- Freq. Range: 640-690MHz
- Current Consumption: 60mA
- Power Supply: 400mA li-ion
- Power Input: 5V-1A
- Freq. Response: 50Hz-18KHz
- Dynamic Range: 100dB
- Distortion: <1.0% at 1KHz
- SNR: >90dB
- Battery Life: ≤6.5hrs
- Charging Time: >2hrs
- Operating Temp.: -18°C to 50°C
- Range (High Power): 25m
- Range (Low Power): 15m

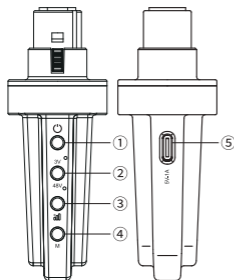
Transmitter

- Freq. Range: 640-690MHz
- Modulation: Fixed frequency
- Current (High Power): 80mA
- Battery Life (High Power): ≤5hrs
- Output Power: ≤10mW
- Current (Low Power): 60mA
- Battery Life (Low Power): ≤6.5hrs
- Power Supply: 400mA li-ion
- Charging Time: 2hrs
- Nominal Freq. Deviation: <10KHz
- Operating Temp.: -18°C to 50°C

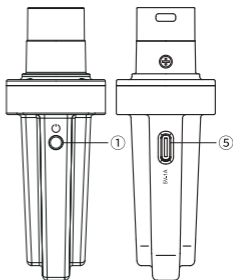
Note: The above data are measured by Takstar laboratory which has the final interpretation right!

■ Function Descriptions

Transmitter



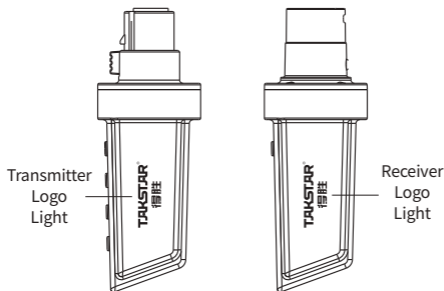
Receiver



- ① Power Button: Press and hold for 2 seconds to turn the device on or off.
- ② Voltage Switch Button: By default, the device starts at 0V (indicator light off), suitable for dynamic mics. Press and hold for 1 second to switch to 3V or 48V for condenser mics.
- ③ Volume Control Button: Press to adjust volume levels among three settings (low, medium, high).
- ④ Mode Switch Button: Press to toggle modes. A blue light indicates high power mode for extended transmission range; a green light indicates low power mode for energy savings.
- ⑤ USB-C Charging Port: Connect a USB-C to USB-A cable to a 5V universal charger to charge the device. Solid green light during charging and turns off when fully charged.

PS: Please fully charge the product first before using it.

■ Operating Instructions



1. Press and hold the power switch on the receiver for 2 seconds, then connect it to a speaker, audio interface, or mixing console. The receiver logo will flash blue, indicating that pairing is not yet complete.
2. Press and hold the power switch on the transmitter for 2 seconds and connect it to a mic. The transmitter logo will illuminate solid blue or green, and the receiver's blue light will turn solid, indicating successful pairing.
3. By default, the device starts at 0V for dynamic mics. If using an electret condenser mic, press and hold the voltage switch button on the transmitter to switch to 3V. For condenser mics that require phantom power (48V), switch to 48V mode.
4. Press the volume control button to toggle between low gain (3dB), medium gain (6dB), and high gain (9dB) as needed.

SF-M1 Wireless Microphone Transceiver

5. Press the M mode button to switch between transmission power modes; a blue light indicates long-distance high-power mode, while a green light indicates low-power mode for extended battery life.
6. If low battery, the logo light pulses cyan color. Please recharge promptly. Solid cyan light while charging, and turns off when fully charged.
7. Fixed Frequency Table

Channel	Frequency
CH1	640.100
CH2	645.300
CH3	650.500
CH4	655.700
CH5	660.900
CH6	642.100
CH7	647.300
CH8	652.500
CH9	657.700
CH10	662.900

■ 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. 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.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. 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.

■ 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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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

◆广东得胜电声有限公司 ◆电话：400-6828-333 ◆地址：中国广东省惠州市博罗县龙溪街道夏蓉村委会大门村夏燕(得胜创业园)

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）。



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