

# TAKSTAR® 得胜



## SF-M1 麦克风无线收发器

Wireless Audio System

使用手册 | User Manual

# SF-M1 Wireless Audio System

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## ■ 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.

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## ■ 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

## ■ 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

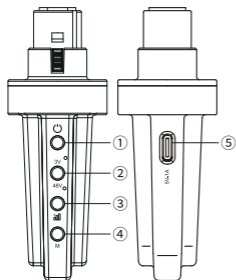
### Transmitter

- 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

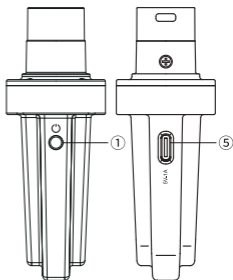
Note: The above data are measured by Takstar laboratory which has the final interpretation right!

## ■ Function Descriptions

### Transmitter



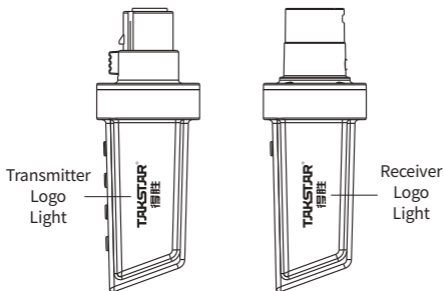
### Receiver



- 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.

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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. If there is no audio signal for 1 hour, the device will shut down automatically.
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 device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.



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

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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。
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