



TAKSTAR V2 Wireless Lavalier Microphone User Manual

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TAKSTAR®
V2 Wireless Lavalier Microphone



User Manual

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Preface

Dear Customer,

Thank you for purchasing our product. Read this manual thoroughly to use the product properly. If you have any questions or suggestions, please contact our local sales service.

Features

- Compact 7.5g magnetic design for unobtrusive wear.
- 2.4GHz wireless up to 100m, stable transmission.
- One-key noise cancellation preserves natural voice.
- Lossless 48kHz/16bit audio, distortion-free, high-fidelity.
- 7hr single-use runtime, 21hr total with charging case.
- Playback without unplugging, charge phone while using.
- Versatile wearing including magnetic/clip/lanyard options.

Applications

For vlog, interview, and online streaming applications.

Package Contents

Dual-Channel:

- 2 × TX Transmitter
- 1 × RX Receiver
- 1 × Charging Case
- 2 × Magnetic Plate
- 2 × Magnetic Clip
- 2 × Magnetic Necklace Lanyard
- 2 × TX Wind Muff
- 2 × TX Sticker
- 1 × Type-C Charging Cable
- 1 × User Manual

Single-Channel:

- 1 × TX Transmitter

- 1 × RX Receiver
- 1 × Magnetic Plate
- 1 × Magnetic Clip
- 1 × Magnetic Necklace Lanyard
- 1 × TX Wind Muff
- 2 × TX Sticker
- 1 × TX Magnetic Charger
- 1 × User Manual

Specifications

TX Transmitter

- Frequency Response: 50Hz-18kHz
- Modulation Mode: GFSK
- Bit Depth: 16bit
- Mic Polar Pattern: Omnidirectional
- Signal-to-Noise Ratio: >65dB
- Operating Range: Approx. 100m
- Usage Time: Approx. 7 hours
- Frequency Range: 2.4GHz AFH
- Sampling Rate: 48kHz
- Sensitivity: -39 ±2dB
- Maximum SPL: 114dB SPL
- Battery Capacity: 70mAh
- Charging Time: Approx. 2 hours
- Weight: Approx. 7.5g

RX Receiver

- Frequency Response: 50Hz-18kHz
- Modulation Mode: GFSK
- Bit Depth: 16bit
- Weight: Approx. 6g
- Frequency Range: 2.4GHz AFH
- Sampling Rate: 48kHz
- Operating Current: 24mA

Charging Case

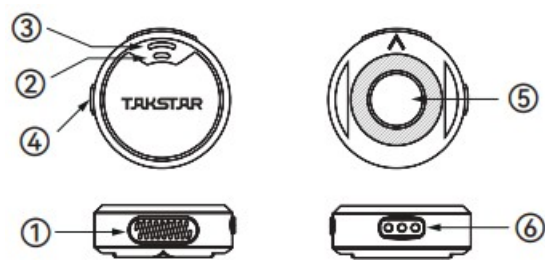
- Charging Input: 5V / 0.5A
- Battery Capacity: 500mAh
- Charging Time: Approx. 2 hours
- Supported Charges for TX: 3 full charges
- Weight: Approx. 120g

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

Function Descriptions

TX Transmitter

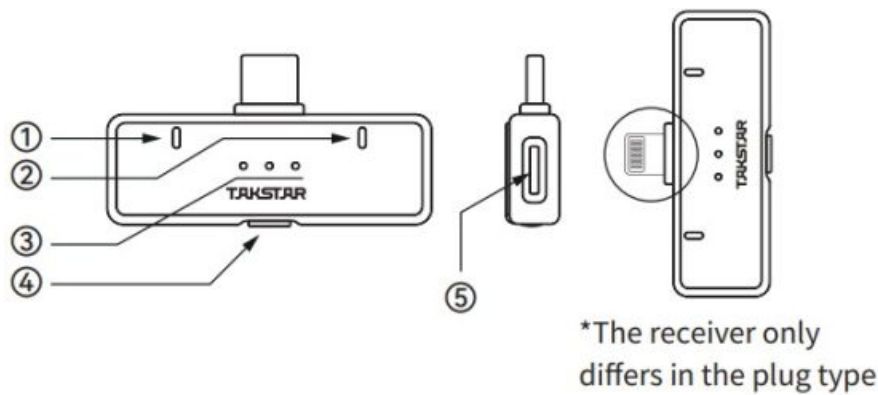
- 1. Built-in Mic
- 2. Noise Reduction Indicator
- 3. Power/Connection Indicator
- 4. Power/Noise-Reduction Button
- 5. Magnetic Plate
- 6. Charging Contacts



Function	Operation/Indication	Represented Status
Power/Noise-Reduction Button	Long press power button for 3 seconds	Turn on or off the TX transmitter
	Short press power button	Turn on or off noise reduction
Noise Reduction Indicator	Solid blue light	Noise reduction is on
	Blue light off	Noise reduction is off
Power/Connection Indicator	Blinking blue light	Not connected to RX, battery normal
	Solid blue light	Connected to RX, battery normal
	Blinking red light	Not connected to RX, low battery
	Solid red light	Connected to RX, low battery
	Solid red light while charging	Charging in progress
	Red light off while charging	Battery fully charged
Magnetic Plate	Used to attach the TX transmitter to clothing, back clip, or magnetic necklace	
Charging Contacts	Charges the TX transmitter by contacting the charging case's contacts	

RX Receiver (Lightning Version / Type-C Version)

- 1. TX1 Connection Indicator
- 2. TX2 Connection Indicator
- 3. Level Indicator
- 4. Volume Adjustment Button
- 5. Type-C Port

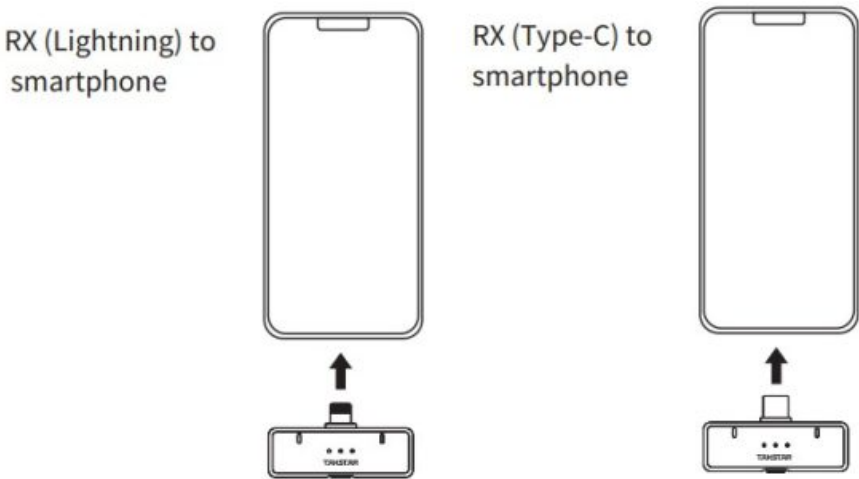


Function	Operation/Indication	Represented Status
TX1/2 Connection Indicator	Solid blue light	RX is connected to TX
	Blinking blue light	RRX is not connected to TX (indicator turns off after 1 minute)
Level Indicator	Solid blue light or off	Displays current audio level
Volume Adjustment Button	Press to cycle	3 volume levels, default is level-3
Type-C Port	Connect Type-C cable to charge phone	

Operating Instructions

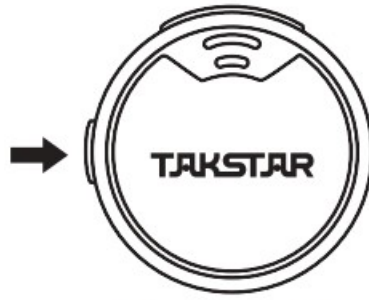
A. Usage Instructions

- 1. For first-time use, open the charging case and remove the insulation film from the TX transmitters.
- 2. Connect the RX receiver to your mobile device.



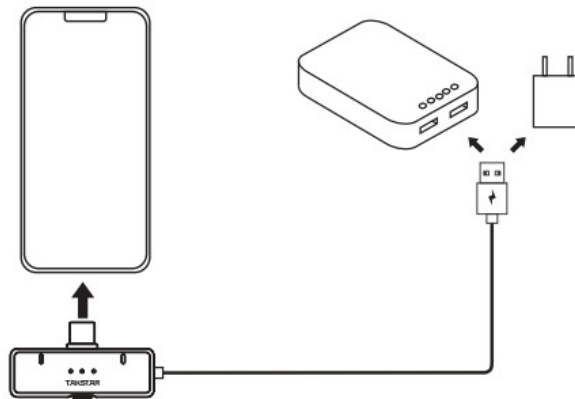
- 3. Long press the power button on the TX transmitter for 3 seconds to turn it on or off. The mic will automatically

pair, indicated by a solid blue light, and then can be used.



TX transmitter

4. Through the charging port on the RX receiver, you can connect a power bank to charge your mobile device while using the system.



Note: To ensure a good user experience, please confirm if your smartphone supports OTG functionality before use. Some models from brands like OPPO and VIVO may require enabling OTG to work properly.

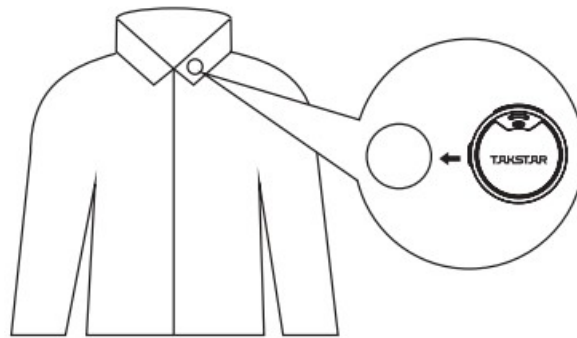
B. Installation and Wearing

The preferred placement for the TX transmitter is on the collar area. If the speaking volume is relatively high, it can be adjusted to the upper chest area.

Three wearing methods are available: magnetic attachment, clip-on, and necklace lanyard.

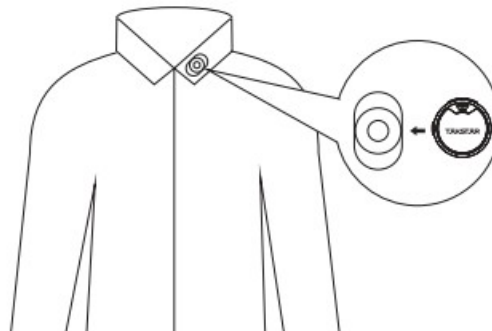
Magnetic Attachment:

- a. Place the magnetic plate on the inside of the collar, then attach the TX transmitter to the magnetic plate on the front of the collar, with the mic facing the sound source.



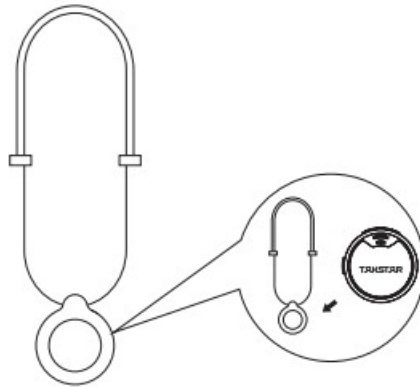
Clip-on:

- b. Clip the attachment onto the collar in an appropriate position, then attach the TX transmitter to the clip, with the mic facing the sound source.



Necklace Lanyard:

c. Wear the necklace lanyard around your neck, then attach the TX transmitter to the magnetic plate, hanging it from the neck, with the mic facing the sound source.

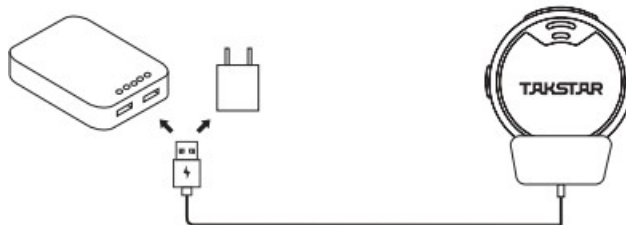


Note: Fluctuations in recorded speech volume are often caused by the mic placement. Ensure the mic is unobstructed to maintain consistent audio quality.

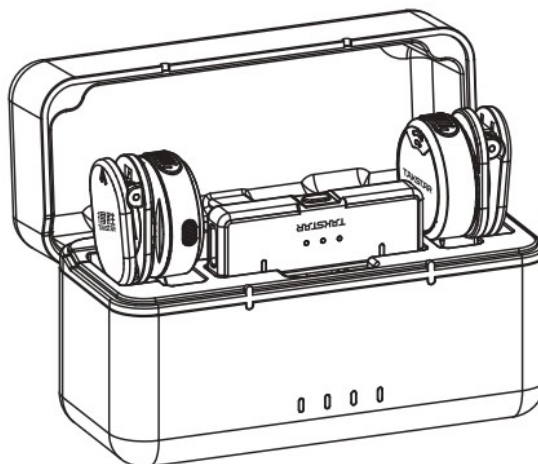
When using outdoors or in windy environments, it is recommended to install the wind muff to reduce wind noise or plosive sounds.

C. Manual TX Transmitter Charging

When the TX status indicator light turns solid red or flashes red, use the magnetic charger to charge the TX transmitter. The red light will remain on during charging, and turn off when the charging is complete. (Note: The magnetic charger is only provided with the single-channel version.)

**D. Charging Case Charging**

1. After the TX transmitter has been used, or the indicator light turns solid/flashing red, place it in the charging case for automatic charging.



2. For charging the charging case, it is recommended to use the original charging cable and a 5V/1A power adapter or power bank. During the charging process, the charging case indicator lights will flash progressively, and remain solid when fully charged. Do not use a fast charger, as it may affect the battery life or damage the device.

Charging Case Battery Level Indicator:

Indicator Light Status	Corresponding Charging Case Battery Level
1st indicator light solid	25% battery level
2nd indicator light solid	50% battery level
3rd indicator light solid	75% battery level
4th indicator light solid	100% battery level
Indicator lights flashing progressively	Charging case is charging
All indicator lights solid blue	Charging case is fully charged

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 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.



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the complying party may cause the user to lose permission to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



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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Documents / Resources

	TAKSTAR V2 Wireless Lavalier Microphone [pdf] User Manual V2 Wireless Lavalier Microphone, V2, Wireless Lavalier Microphone, Lavalier Microphone, Microphone
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References

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