



# **Wireless Omnidirectional Microphone User Manual**

**TV-S63WB**

**Please read this manual carefully before usage.**

## **Important Safety Precautions** (Instructions for Fire, Electric Shock or Human Injury)

When using this electrical product, take the following basic precautions:

1. Please read all safety precautions carefully before using this product;
  2. Please do not try to change the connection cable of the product without permission. If the length is not suitable, please consult our after-sales personnel;
  3. In order to reduce the risk of injury, when the product is used near children, it should be closely monitored;
  4. Do not use the machine in places with high humidity;
  5. The product should be installed in a well-ventilated place;
  6. The product must be kept away from heat sources;
  7. When the product is not in use for a long time, please pull out the cable from the socket. Do not pull the wire, but grab the plug and pull it out;
  8. Do not let sundries or liquids fall into the machine through gaps;
  9. In the following cases, you should entrust qualified maintenance personnel to repair:
    - A. The cable or the cable connection plug is damaged
    - B. Sundries or liquid has fallen into the machine
    - C. Product has been exposed to rain
    - D. The product does not operate normally or changes significantly during use
    - E. The product has been dropped and damaged
  10. When there is a situation that is not described in the user maintenance guide, please do not try to repair it without permission, and should entrust a qualified maintenance person to repair it;
  11. Warning - Do not allow heavy objects to accumulate, do not step on the cable connection, and do not pull or forcefully twist the cable connection. Do not abuse the cable connection, improper cable connections may result in fire or personal injury.
  12. Please operate and use the special wiring strictly in accordance with the user manual.
  13. Do not use the product in lightning weather.
  14. Due to the continuous upgrading of the product, please refer to the actual product for details.
- The final interpretation right of this product manual belongs to the manufacturer.

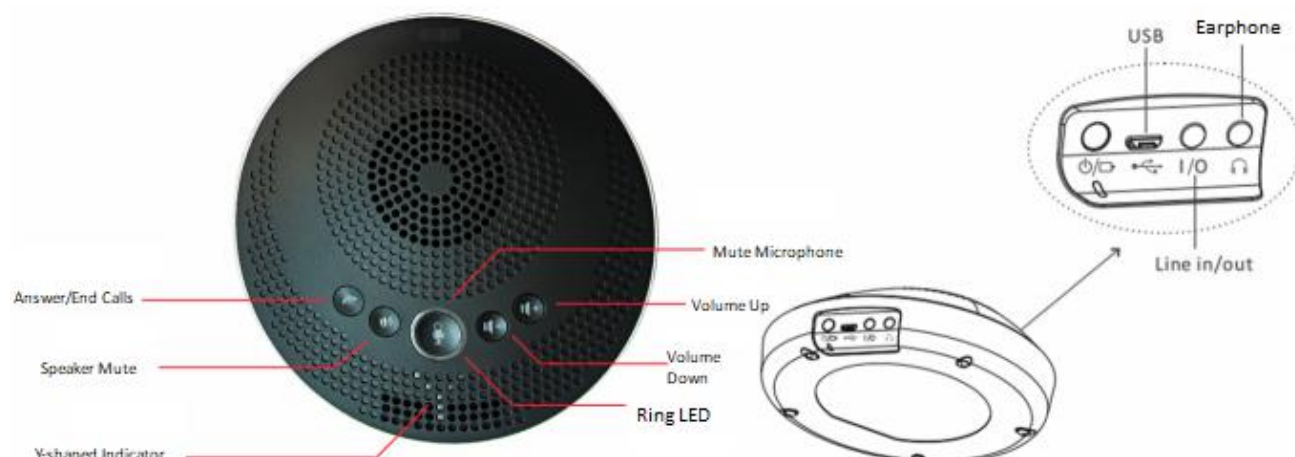
Thank you for purchasing our products.

To ensure optimum performance and safety, please read this manual carefully before using the product.

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## 1. Product description

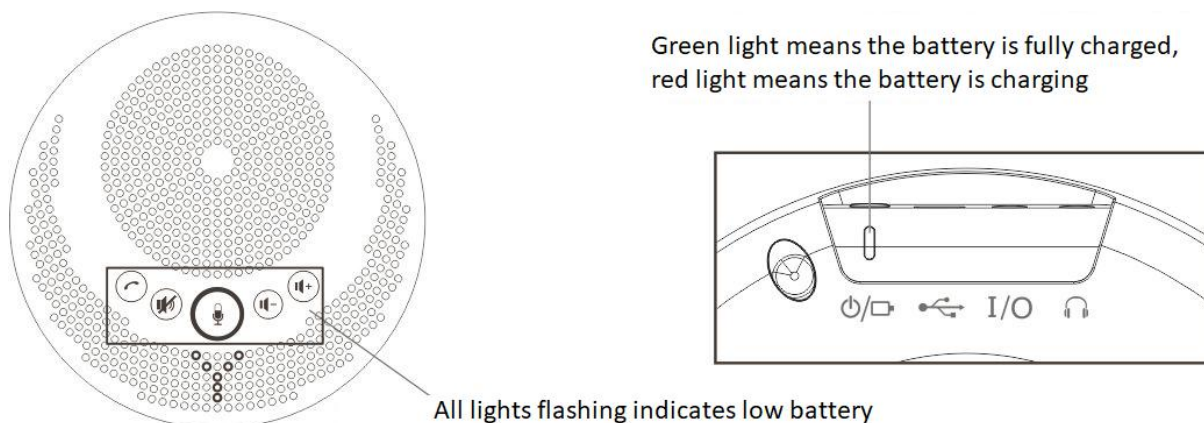


TV-S63WB is a professional USB HD omnidirectional microphone with 3 built-in microphones and supports wireless 2.4G, allowing for convenient and pleasant remote communication anytime and anywhere. Equipped with a new network conference system, it features powerful functions and simple operations. Applying the five advanced voice processing technologies, it achieves clear and bright sound quality, high fidelity voice restoration, and the intelligent noise reduction completely eliminates noise. Fashionable shell-shaped design, neat and portable, fully meets the communication needs of remote conferences in office, business trip and other occasions.

## 2. Button function and LED display

	Answer/End calls	Lync Answer/End calls
	Volume button	Increase/decrease the volume, the status indicator (ring LED light) in the middle shows the current volume status
	Mute Speaker	Mute the speaker/Cancel speaker mute, when muted, the status indicator (ring LED light) in the middle flashes green
	Mute Microphone	Microphone mute on/off, the status indicator (ring LED light) in the middle turns red when muted, and green when canceled mute
	Power button	Long press this button for 3 seconds to turn on/off the power, short press this button, and the status indicator (ring LED light) in the middle displays the current battery status
	External device interface	Can be connected to headphones and audio equipment. When there is no peripheral connection, it will automatically shut down after 3 minutes.

I/O	PC/Audio terminal connector	This interface can be connected to the 3.5mm port of the PC/audio and video terminal for communication
	USB port/charging port	The USB cable can be connected to this interface to communicate/charge the product; when charging, the power light will turn red, and turn green when fully charged

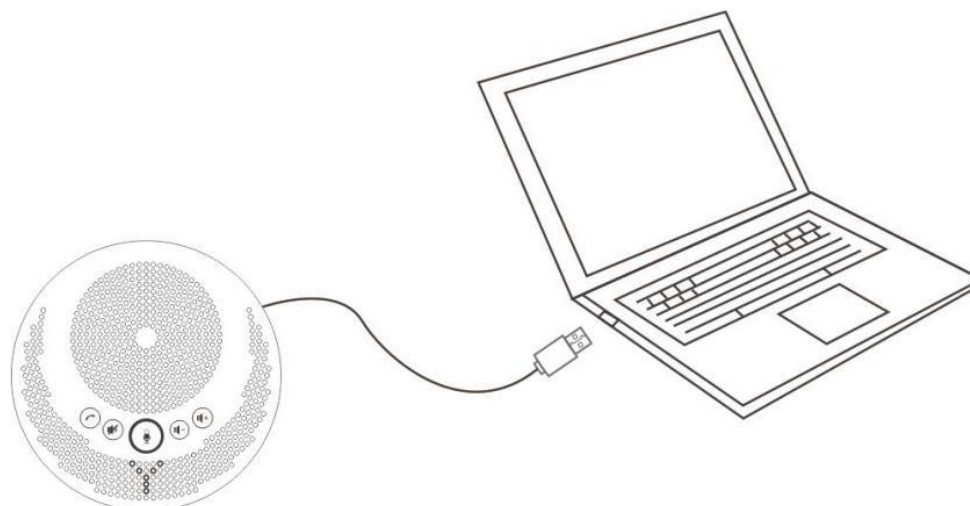


Note: When the battery is low, all LED lights flash green three times every 30 seconds. It is recommended to charge the product immediately, otherwise it will automatically shut down after 20 minutes. When there is no peripheral connection, the controller will automatically shut down after 3 minutes.

### 3. Charging overview

The wireless version has built-in rechargeable battery, which requires dedicated USB data cable and power adapter for charging, or can be charged by connecting to computer.

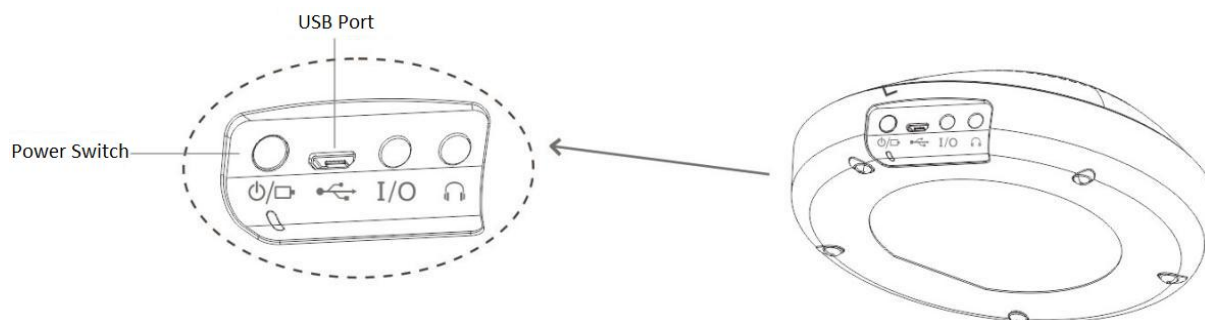
Note: This product needs to be charged when it is used for the first time, and it takes 2 to 3 hours to fully charge with the provided power adapter.



## 4. Switch description

Long press the power button of the controller "⏻" for 3 seconds to turn on or off the power; in addition, when the USB port of the controller is connected to a computer or an external audiovisual terminal, the controller will automatically turn on.

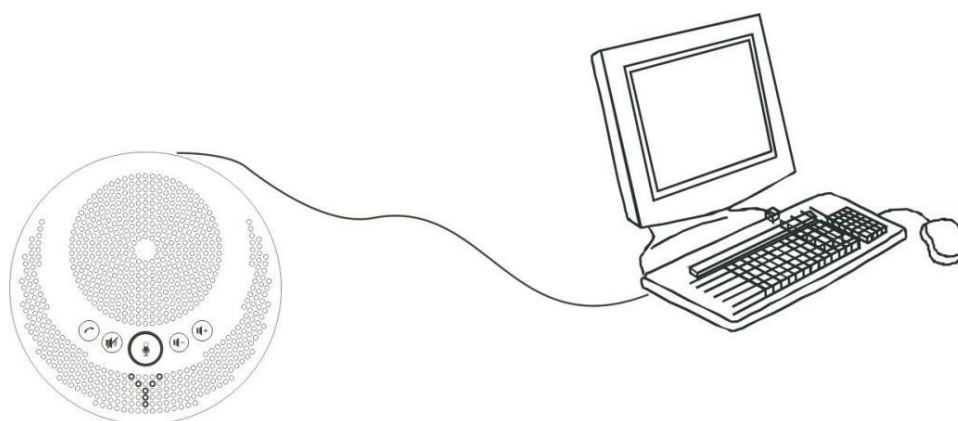
Note: When the controller has no peripheral connection, it will automatically shut down after 3 minutes.



## 5. USB Connection

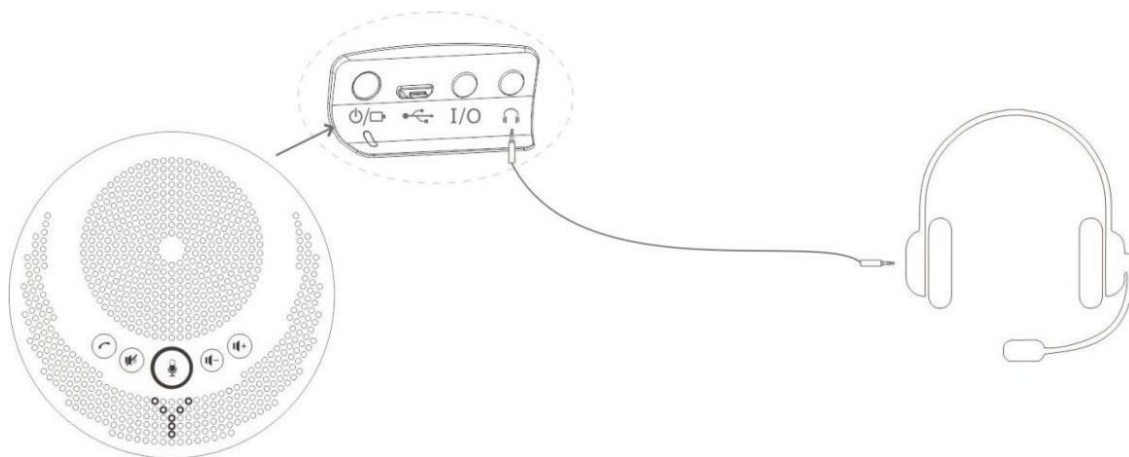
Connect the PC/video system to the USB port of this product with a USB cable. It takes a few seconds to set up and install the driver for the first time.

Note: Right-click the microphone icon in the lower right corner of the PC screen and click "Sound" to display the "Sound" interface. Click the "Play" and "Record" options and check that this device is set as the default device. If it is not set as the default device, click on the device name and click the option "Set Default".



## 6. External device interface description

A 3.5mm audio cable can be used to connect the controller with external devices such as headphones/audio equipment through the "🎧" port of the controller.



## 7. IN/OUT connection

1. When the terminal device connection port is a four-core audio interface, the "I/O" port of this product can be connected to the terminal device through a 3.5mm four-core audio cable;
2. When the terminal device connection port is 2 three-core audio interfaces (microphone and speaker interface respectively), an audio converter needs to be used, use two 3.5mm 3-pin audio cables to connect the interface of the terminal device to the audio converter, and then connect the four-pin terminal of the audio converter to the "I/O" port of the unit.

Note: When the terminal device is PC terminal, please set the machine as "PC mode" device. When the terminal device is a mobile phone, please set the machine to "mobile phone mode". The machine defaults to "PC" mode.

## 8. Multi-party teleconference and line mode selection

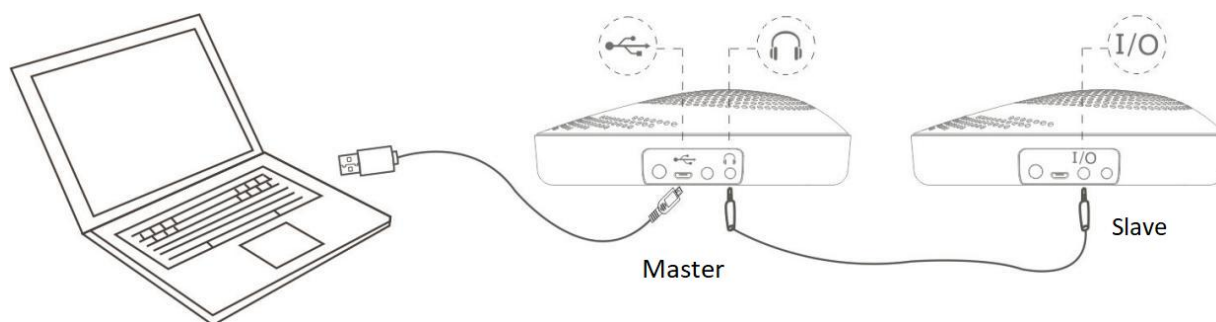
This product supports simultaneous teleconferencing over USB VOIP and Bluetooth via analog phone line (or cell phone). After the line is connected, the network will be automatically connected and you can add another line or switch between the connected lines during the call.

This product can easily support the plug-and-play of the above-mentioned various lines, and does not need any setting at any time.

## 9. Cascading operations

The master works normally, and the slave starts normally.

Use a dedicated 3.5mm audio cable to insert into the "🎧" port of the controller, and the other end into the "I/O" port of the slave, that is, the connection is successful.



## 10. Wireless version instructions

The wireless adapter plugs into the USB port of the PC/AV terminal.

Turn on the controller, after 5 seconds, the blue light of the Y-shaped indicator is always on, and a "dong" prompt sound is issued, that is, the wireless connection is successful.

Wireless voice calls are now available.



## 11. Other functions

Check the speaker volume status indication

The volume level of the controller is divided into 16 levels in total. The first level of volume is the speaker mute, and the 16th level of volume is the maximum volume of the speaker. The brightness of the status indicator (ring LED light) in the middle of the controller will change with the volume of the speaker. When the volume of the speaker is larger, the status indicator (ring LED light) will be brighter; When the volume of the speaker is lower, the status indicator (ring LED light) is darker.



Note: When the status indicator (ring LED light) in the middle of the controller is off, it means the speaker is muted.

Check the battery level (for wireless version)

When the controller is working, short press the power button, the brightness of the status indicator (ring LED light) in the middle of the controller will change with the battery power. When the battery power is higher, the status indicator (ring LED light) is brighter; when the battery power is lower, the status indicator (ring LED light) is darker.

Note: When the LED lights of all buttons on the controller are flashing, it means that the battery of the controller is very low and must be charged immediately.

## **12.Features**

- 1) 48K ultra-wideband voice call HD technology, full-duplex deep echo cancellation, microphone intelligent mixing, dynamic noise suppression, automatic gain control.
- 2) With the video conference hardware terminal and software terminal, various cloud video/network conferences and UC unified communications can be realized.
- 3) Multiple built-in high-sensitivity microphones form a 360-degree omnidirectional pickup with a pickup radius of 3 meters.
- 4) Support USB and analog audio (LINE IN/OUT) communication.
- 5) Support wireless 5.8G wireless audio transmission, no need for any cable to connect video terminals, conference tablets and other communication equipment.
- 6) Collaborative office function: support video conferences and conference calls at the same time to achieve multi-party calls.
- 7) The speaker volume reaches 86dB, and supports 16-level digital adjustment.
- 8) Off-hook, on-hook, microphone mute, volume up/down, speaker mute and other button functions.
- 9) Support headset function, convenient for private calls.
- 10) Designed with 5 function button indicators, circular working status indicator, volume status indicator, wireless reception status indicator, power switch/charging status indicator.

### 13.Specification

Model	TV-S63WB
Bidirectional Noise Compression (NC)	18dB
Microphone Automatic Direction Searching (EMI)	Support
Automatic Gain Control (AGC)	Support
Echo cancellation length	≥500ms
Mic frequency response	100Hz-22KHz
Mic pickup radius	3 meters, 360° full range
Operating system	Windows 10, Windows Vista, Windows 7, Windows 8, Mac OS X, Android
Port type	USB data and charging; USB input and output; analog audio jack: 3.5mm x1; headphone jack: 3.5mm x1
Pickup distance	3 meters effective pickup
Pickup angle	360° pickup, no obvious difference in all directions, and the level difference does not exceed 3dB
Wireless transmission distance	10 meters
AEC	Built-in echo cancellation
SPEAKER	Built-in speaker, volume >85dB, adjustable; frequency response 100~22K
Sampling rate	Maximum 48KHZ sampling frequency, frequency response 100~22KHz
Auto gain	Support
Noise suppression	Support
DSP	Frequency 600MHz; RAM 10M; ROM 4M; FLASH 8M
Button	5 laser with LED function buttons, 1 power switch
Power consumption	Less than 1.5W
Heat dissipation	The shell-shaped structure meets the requirements of heat dissipation performance
Working temperature	0°C ~ 40°C
Working humidity	20% ~ 80%, no condensation
Dimension (L×W×H)	150×150×50mm
Net weight	0.33Kg

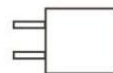
## 14. Product packaging



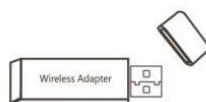
Omnidirectional Microphone



USB cable



5V adapter (for wireless type)



Wireless adapter (for wireless type)

(This product is under continuous improvement. Specifications and details are adjusted without prior notice, please refer to the actual product.)

## 15. Warranty

1. When purchasing this product, please fill in this card and read the following warranty terms carefully to ensure that the product is effectively guaranteed:

- 1) User carefully keeps the card when purchasing the product;
- 2) This warranty card is required for warranty;
- 3) The information filled in this warranty card is true, otherwise it will be invalid;
- 4) The product warranty period is one year. If the product fails during the warranty period, you can ask for warranty with the card, and the accessories are not covered by the warranty.

2. The following situations are not covered by the warranty:

- 1) The validity period of the three guarantees and the free maintenance period have been exceeded;
- 2) All product damage caused by man-made and natural loss or accident;
- 3) Damage caused by unapproved maintenance, modification or self-disassembly;
- 4) Aging, bumps and scratches on the surface of the product.

3. After the warranty period expires, users can still get maintenance services, but you have to pay the corresponding fees.