

Wireless Microphone



—— Model: VC545 ——

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Specification

Comprehensive features

Carrier frequency range: 530.1MHz-579.85MHz (Depend on the country standard)
Modulation mode: FM adjustable frequency
Max frequency offset: ± 25 KHz
Frequency response: 50Hz-15KHz
S/N Ratio: 72dB
Distortion(1KHz): $< 0.3\%$
Working temperature: $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$
Working range: 165FT (Open Area)

Microphone

Capsule: Dynamic
Polar pattern: Cardioid
Radio frequency bandwidth: 50 MHz
Frequency points: A channel:50; B channel:50
RF power output: ≤ 10 mW (Depend on the country standard)
Frequency response: 50 Hz - 15 KHz
Dynamic range: 96dB(A)
Harmonic radiation: < -50 dBc
Degree of distortion: $< 0.1\%$
Power supply mode: 1.5V Battery x 2
Antenna: PCB antenna, 1dBi, Max.

Receiver

RF bandwidth: 50MHz
Frequency points: 2*50
Signal-to-noise ratio: 72dB
Receiving sensitivity: -95dBm
Frequency response: 50Hz - 15KHz
Distortion: 0.05%
Dynamic range: 96dB
Receiving delay: 2.5ms
Working Current: < 150 mA
Battery: 18650 lithium battery (3.7V)
Battery Capacity: 1200mAH
Charging Time: 1~3 Hours
Working Time: 4~6 Hours

Note

1. The AA batteries in the package are just for testing the mics, it can only last for 1 to 2 hours, so after testing, please replace new batteries for better using experience.
2. This receiver has a 6.5mm plug and a 3.5mm converter plug, which is suitable for various devices.
◇Note: It needs to be a device with a MIC interface, if the interface is not suitable, please configure your own adapter, such as TYPE-C/Lightning.
3. If there are any problems during using this mics set, please contact us via our customer service email, we will try our best to provide you the best service.

Warranty

Thanks for using Prozor product, all Prozor product comes with warranty of 18 months from the day of purchase, if you need any support, please feel free to contact us.

Contact

Email: Prozorservice@outlook.com

Welcome to Prozor

Thank you for showing your confidence in us by purchasing the Prozor VC545, UHF Wireless microphone with Volume Treble Bass Echo Control, Rechargeable Receiver, Simple and portable, plug and play, microphone with LED display, and can be one-key frequency modulation, ideal for karaoke machines, DJ, singing, Church, weddings, Speaker, amplifiers, PA systems.

Setup Example

The following figure is an example of how to set up the VC544:

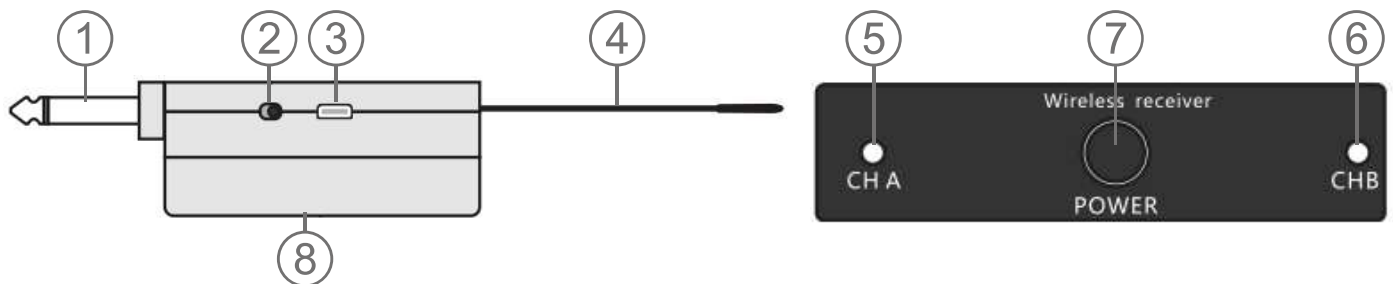


Handheld Microphone



- ① Microphone head: including net head and audio head module
- ② Display screen: show working channel, frequency and battery status
- ③ Echo Up / Down Button: Press the button to increase/ decrease microphone echo effect gradually
- ④ Treble Up / Down Button: Press the button to increase/ decrease microphone treble effect gradually
- ⑤ Bass Up / Down Button: Press the button to increase/ decrease microphone bass effect gradually
- ⑥ Volume adjustment and frequency hopping: short-press to adjust the volume from 1~8, long-press to adjust the frequency
- ⑦ Power switch: Short press to turn on the power, long press in the on state to turn off the power, long press in the off state to switch CHA/CHB (A channel 0~49 frequency; B channel 50~99 frequency)
- ⑧ Battery box: unscrew bottom tube and put in AA battery
- ⑨ Wireless transmitter: do not hold this place for long-distance use, so as not to affect its working distance

Receiver



- ① Audio output: 6.35mm
- ② Power switch: push ON to open, push OFF to close
- ③ Charging port: connected with charging cable (DC5V), please turn the power off when charging
- ④ Antenna: receiving the signal from the transmitter
- ⑤ A channel indicator: light up means it got the signal
- ⑥ B channel indicator: light up means it got the signal
- ⑦ Power indicator: the light shows blue when turn on, it shows red when charging. The light would turn down when the charging is full.
- ⑧ Battery cover: built in 18650 replaceable lithium battery, open the battery cover and replace it directly

Operation method

1. Load the receiver into the 18650 battery, insert it into the microphone input end of the speaker or amplifier, turn the power switch to the ON state, and the power lamp will be ON.
 2. Load the handheld microphone into two AA batteries, pull up the power switch to the state of ON, and the display screen will light up and display the frequency and state while the receiver signal lamp A and B will light up respectively.
 3. Adjust the volume and reverb of power amplifier until appropriate position.
- Note: loud noise will be generated when the volume is too high. Reduce the volume appropriately to make normal use.

Common troubleshooting

The microphone cannot be turned on	Please replace two new AA batteries and check the positive and negative directions of the batteries to make sure they are in the correct direction.
The microphone is automatically turned off	Please replace two new AA batteries.
The receiver cannot be turned on	Please charge the receiver and check the positive and negative direction of the battery. If the problem cannot be resolved, please replace a new 18650 (3.7V) lithium battery.
The receiver cannot be charged	<ol style="list-style-type: none"> 1. Check the positive and negative direction of the battery to ensure that the direction is correct. 2. Replace a charging cable with the same interface for charging. 3. Replace with a new 18650 (3.7V) lithium battery.
The receiver and microphone have sufficient power, but the microphone has no sound, or only one microphone has sound	<ol style="list-style-type: none"> 1. Please check the channels of the two microphones from the microphone display, make sure that the two microphones are on the CHA and CHB channels respectively, the two microphones cannot be set on the same channel. If you need to adjust the channel, press and hold the microphone power button when the mic in turn off state until the channel have been changed. 2. Please check the frequency points of the two microphones from the microphone display to ensure that the two microphones are at different frequency points. If you need to adjust the frequency points, please open the battery compartment cover and press the frequency-adjust button to adjust the frequency. For details, please refer to the schematic diagram of the basic operation instructions. 3. Please pay attention to whether the receiver is plugged into the correct port, Receiver can only plug in mic jack, No Plug in Aux jack.
Microphone whistling or excess noise	<ol style="list-style-type: none"> 1. The microphone is too close to the speaker or the volume is adjusted too high, please turn down the volume of speaker or keep away from speaker. 2. Please check if there is any interference device nearby, such as CD player, computer, digital device, earplug monitoring system, etc. Try to remove the device first. If multiple systems are used, frequency intervals between systems can be increased.

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

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 into 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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment