



Shenzhen WM500X1 Wireless microphone User Manual

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SHENZHEN

WM500X1 Wireless microphone
User Manual

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Foreword:

Thank you for using our wireless microphone products.

This product is specially designed for the needs of mobile recording. Intelligent working mode.

The transmitter and receiver automatically connect wirelessly without complicated settings, The appearance is simple and light, easy to carry and install, and can be widely used in short video shooting, live video, Teaching training, and other wireless sound transmission fields.

The product adopts UHF wireless digital encrypted communication technology, and its excellent design ensures safe and reliable operation during use.

This series includes the following models:

YC-WM500X1:3.5MM interface with a wireless microphone and one transmitter.

YC-WM500X2:3.5MM interface: one drag and two wireless microphones, equipped with two emitters.

YC-WM500C1: type-c interface with a wireless meter wind, equipped with one transmitter.

YC-WM500C2: type-c interface one drag two wireless microphones, equipped with two emitters.

YC-WM500A2: two wireless microphones are equipped with one lighting interface and two

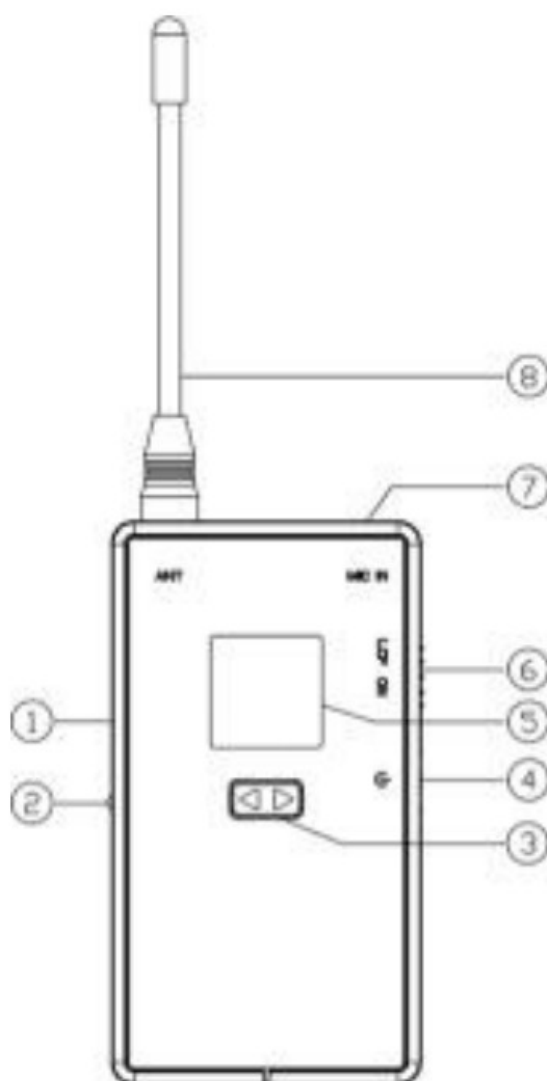
YC-WM500A2: two wireless microphones are equipped with one lighting interface and two transmitters.

YC- WM500XCA: Configure a transmitter with 3.5MM, TYPE-C, and LIGHTING interfaces, one microphone, and three microphones.

Product function description:

WM500TX Universal Transmitter

Description of each function of the transmitter:

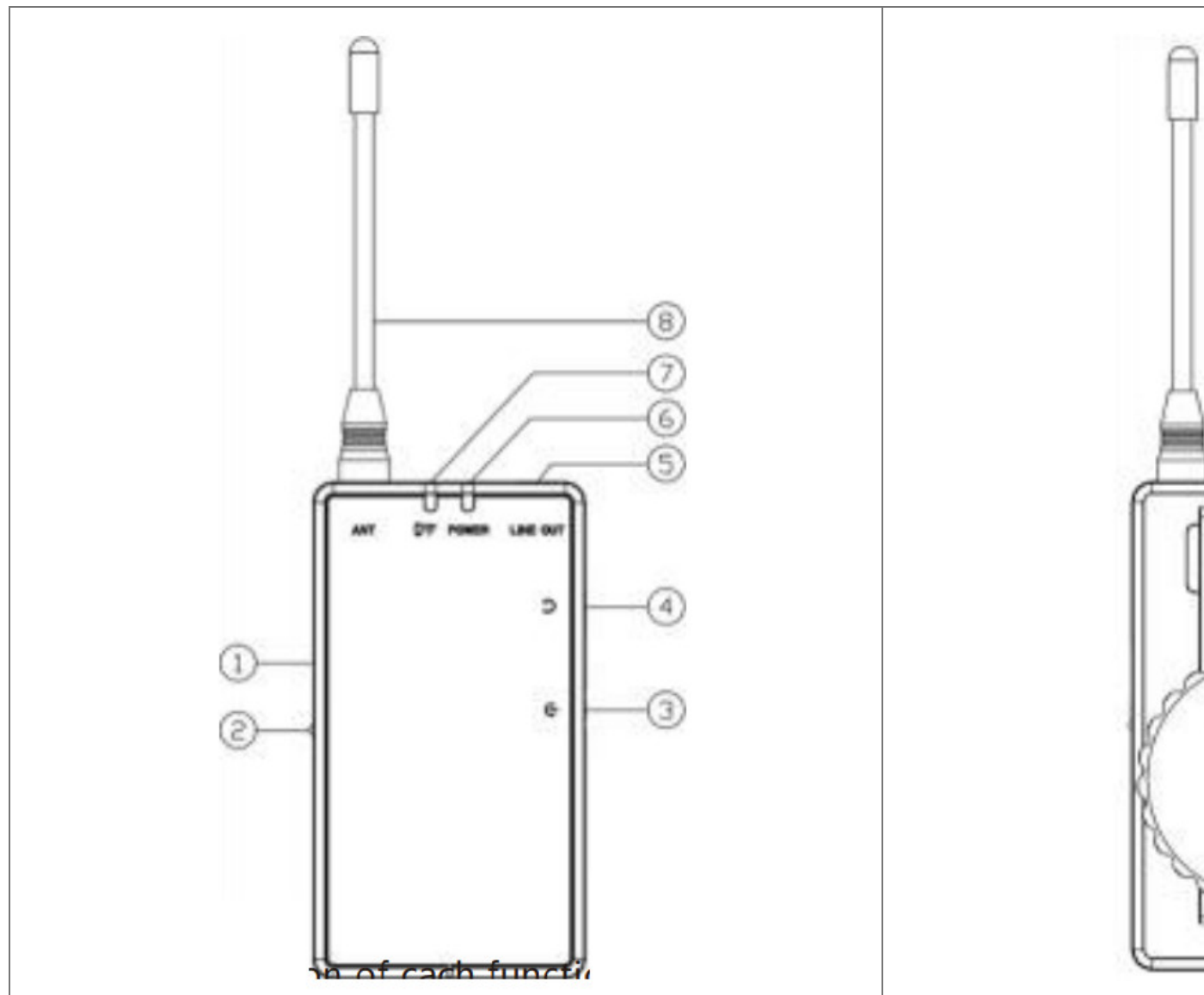


1. Charging indicator, bright red when charging, bright blue when fully charged
2. Charging indicator, bright red when charging, bright blue when fully charged
3. Power switch, press and hold for 1 second to turn on or off: short press the display to enter the volume interface, and the channel button, adjustable volume level
4. Power switch, press and hold for 1 second to turn on or off: short press the display to enter the volume interface, and the channel button, adjustable volume level
5. Information display
6. Environment Noise Reduction Switch, press ON to turn on noise reduction

7. Microphone plug into socket
8. Transmitting antenna

YC.WM5QQRX receiver. (3.5MM interface).

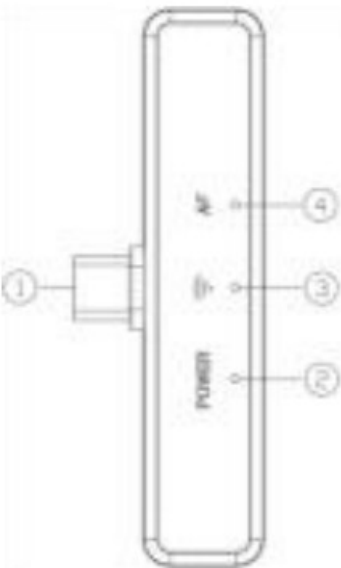
Description of each function of the transmitter



①DC- 5V charging. input socket, the input specifications are: DC5V / 0.5-2A	⑥Power- on the indicator
②Charging. indicator, bright red when charging... bright blue when fully charged	⑦Information indicator: Blinks when the battery is low: Lights up blue when A channel transmitter is connected and lights red when B channel transmitter is connected
③Power switch	⑧Receive antenna
④Headphone output socket	⑨Cold shoe connector for mounting on the shoe mount of a camera or mount
⑤LINE OUT audio output socket	

YC-WM500C receiver (TYPE-C interface)

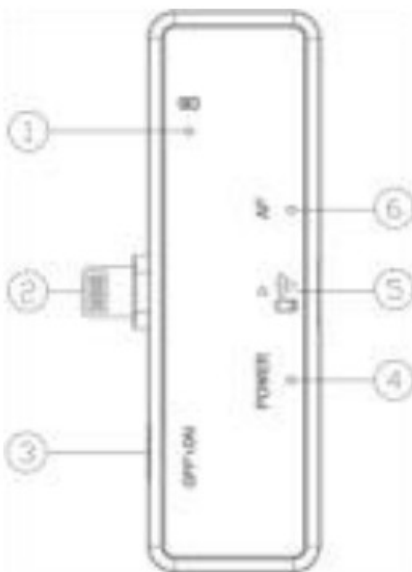
Description of each function of the transmitter:



①TYPE-C connector	③Connection indicator: light blue when A channel transmitter is connected, red when the B channel transmitter is connected; purple when the AB transmitter is connected at the same time
②Work indicator: This indicator is on when the smart device is connected	④Microphone Radio Indicator: Dynamically indicates the radio status of the microphone

C-WM500X1. receiver. (LIGHTING interface).

Description of each function of the transmitter:



②LIGHTING connector.	⑤Information indicator: flashes when the battery is low; light blue when A channel transmitter is connected, red when the B channel transmitter is connected; purple when the AB transmitter is connected at the same time
③Power switch, set to "ON". to turn on.	⑥Microphone radio indicator: dynamically indicate the radio status of the Microphone

Main features:

1. UHF band digital wireless communication technology, stable and reliable work.
2. Preset 20 channels for selection.
3. The transmitter; can adjust the microphone volume for a wider range of applications.
4. The transmitter has a WNCR acoustic noise reduction switch, which can significantly... reduce ambient low-frequency noise and wind noise.
5. Excellent ADC /DAC digital signal processor, providing high-quality audio effects.

Technical Parameters:

Wireless frequency range: 499- 510MHz

Modulation: DQPSK

Audio frequency response: 30 Hz- 18kHz

Microphone Specifications: Capacitive Omni

Number of channels: 11 (a total of 11 channels in 5 groups, 4 channels in each group, and the replaceable channel group is configured by the ID code)

Wireless transmitting power: ≤10mW

Signal to noise ratio: ≥90dB

Receiver plug type: 3.5MM socket (YC- WM500RX); USB -C data plug (YC-WM500C); LIGHTING data plug (YC-WM500A)

Transmitter power: DC3.7V (built-in polymer lithium battery), or DC-5V / 0.5-2A external power Input

Transmitter charging input specification: DC-5V / 0.5-2A

Transmitter battery charging time: 2-4 hours

Transmitter battery life: 6-8 hours

Receiver power: DC3.7V, built-in lithium polymer battery (YC -WM500RX);

Receiver power: powered by USB- C socket device (YC-WM500C);

Receiver power: DC3.7V, built-in lithium polymer battery (YC -WM500A);

Receiver battery life: about 6 hours (YC-WM500RX);

Receiver battery life: about 4 hours (YC- WM500A1);

Receiver battery life: about 2 hours (YC-WM500A2);

Transmitter and receiver power consumption: <1W (micropower)kHz

Reference use distance: 30- 50 meters (there may be differences according to the environmental electromagnetic wave conditions)

Operating temperature: 0 °C to 55 °C

Storage temperature: -20 °C to +55 °C

Product specifications : YC-WM500TX universal transmitter: 73 (length) * 40 (width) * 14 (thickness) mm;

YCWM500RX receiver: 73 (length) * 40 (width) * 14 (thickness) mm;

YC-WM500C receiver: 72 (length)★15 (width) * 10 (thickness) mm; YCWM500A receiver: 75 (length)★24 (width) * 12 (thickness) mm;

Unit weight: YC-WM500TX universal transmitter: 40 grams; YC-WM500RX receiver: 40 grams; YCWM500C receiver: 8 grams; YC – WM500A receiver: 15 grams;

Packaging configuration:

VLOG GO 3U (TYPE-C interface one for one):

VLOG GO VT transmitter x1, VLOG GO 3UR receiver X1, lavalier microphone X1, charging cable instruction manual X1.

VLOG GO 3US (TYPE-C interface one for two):

VLOG GO VT. transmitter x2. VLOG GO 3UR receiver X1. lavalier microphone X2, charging .cable X2. instruction manual X1.

VLOG GO 3L (one for one. lighting. interface):

VLOG GO VT transmitter x1. VLOG GO 3LR receiver. X1. lavalier. microphone X1, charging cable X2, instruction manual X1.

VLOG GO 3LS (one for two lighting interface):

VLOG GO VI transmitter.x2. VLOG GO.3LR receiver. X1. lavalier microphone X2. charging. cable X3.. instruction manual X1.

YC-WM500X1 (3 .5MM interface one for one):

YC-WM500TX universal transmitter x1. YC _W lier microphone X1, charging cable X2, camera audio cable X1, Mobile phone extension cable X1, instruction manual X1.

YC-WM500X2 (3.5MM interface one for two):

YC-WM500TX universal transmitter x2, YC-WM500RX receiver X1. lavalier microphone X2, charging cable X3, camera audio cable X1, Mobile phone extension cable X1, instruction manual X1.

Using YC-WM500X1 / YC- WM500X2:

1. Insert the microphone into the 4MICV socket of the transmitter, pay attention to the position and lock it firmly.
2. Plug. the audio cable into the receiver's "LINE OUT" jack. Use the other end of the audio cable to connect to a recording device.
3. Turn. on .the. power. .of. the. .transmitter. and. .receiver. through. the side. power. .button, and the receive.. can connect to the transmitter to work.If it cannot be connected, press and hold the transmitter's power button and the setting button at the same time for 3 seconds while the transmitter is off, the transmitter display will start Blink (enter ID pairing mode), then power on the receiver, wait 3 seconds, then power off and restart the transmitter and receiver.
4. If you encounter interference with other wireless signals during use and the use distance is significantly shorter, you only need to operate the transmitter's setting key to change the channel, and the receiver automatically tracks the connection.
5. If multiple sets are used at the same time, please configure the transmitter and receiver as follows:
Step 1: Turn off.the first transmitter and receiver. Do not turn on the power. (The first set does not need to be set)
Step 2: Press and hold the power button and the setting button of the second set of transmitters simultaneously for 3 seconds while the transmitter is off. The display of the transmitter will start to flash (enter into the ID pairing mode). Automatically connect the second set of transmitters and reconfigure the ID code within 3 seconds after booting, and then turn off the second set of transmitters and receivers.
Step 3: Press and hold the power button and the setting button of the third set of transmitters simultaneously for 3 seconds while the transmitter is off. The display of the transmitter will start: blinking (enter the ID pairing mode). Automatically connect the third set of transmitters and reconfigure the ID code within 3 seconds after powering on, and then turn off the third set of transmitters and receivers.

If you need to continue to increase the number of users, repeat the above operation. After configuration, you can start using it normally. Be careful not to have the same frequency. If there is the same frequency,you can adjust it by the transmitter setting button.

Using YC-WM500C1 / YC-WM500C2:

1. Insert the microphone plug into the "MIC" socket of the transmitter, pay attention to its place, and lock it firmly.
2. Install the receiver on a smart device (smartphone, tablet, laptop, etc.). After the receiver and the smart device are successfully connected, the receiver's work indicator turns on; if the receiver's work indicator does not turn on, it indicates that the connection to the smart device was unsuccessful. Please check the settings of the smart device. Some models of mobile phones need to turn on the OTG function by setting — more settings — OTG switch; some models of mobile phones need to upgrade the system to the latest version.
Computer equipment may need to be connected through a TYPE-C to USB-A conversion plug.
3. Press the power button to turn on the power of the transmitter, and the receiver can connect to the transmitter to work. If it cannot be connected, press and hold the transmitter 'S power button and the setting button for 3 seconds at the same time when the transmitter is off, the transmitter display will start to flash (enter ID Pairing mode), then plug the receiver into the smart device, wait 3 seconds, then turn the transmitter off and then on again.
4. The transmitter can adjust the volume of the microphone. When the transmitter is on, press the power button once, and the display will enter the volume interface, so you can adjust the volume through the channel buttons. The volume can be adjusted from U00 ... U10 in 11 levels. U10 is the maximum volume.
5. If the use distance is significantly shorter, it may be interfered by other wireless signals, please change the channel by the transmitter's setting key and try to solve it.
6. If multiple sets are used at the same time, please configure the transmitter and receiver as follows:
Step 1: Turn off the first transmitter and receiver.
Step 2: Press and hold the power button and the setting button of the second set of transmitters simultaneously for 3 seconds while the transmitter is off. The display of the transmitter will start to flash (enter the ID pairing mode). Automatically connect the second transmitter and reconfigure the ID code within 3 seconds, and then turn off the second transmitter and receiver.
Step 3: Press and hold the power button and the set button of the third transmitter simultaneously for 3 seconds while the transmitter is off. The transmitter display will start to flash (enter the ID pairing mode). Automatically connect the third transmitter and reconfigure the ID code within seconds, and then turn off the third transmitter and receiver.

If you need to continue to increase the number of users, repeat the above operation. After configuration, you can use it normally after you turn it on again. Be careful not to have the same frequency. If there is the same frequency, you can adjust it with the transmitter setting key.

Using YC-WM500A1 / YC- WM500A2:

1. Insert the microphone into the 4MICV socket of the transmitter, pay attention to the position and lock it firmly.
2. Turn on the receiver power switch, the receiver power indicator is on, and then install the receiver on a smart device (smartphone, tablet).
3. Turn on the power of the transmitter through the power button, and the receiver can connect to the transmitter to work. If it cannot be connected, press and hold the power button and the setting button of the transmitter for 3 seconds at the same time when the transmitter is off. (Enter ID pairing mode), then turn on the power of the receiver, wait 3 seconds, then turn off the transmitter 3 and then turn it on again.
4. The transmitter can adjust the volume of the microphone. When the transmitter is on, press the power button

once, and the display will enter the volume interface, SO you can adjust the volume through the channel buttons. The volume can be adjusted from U00–U10 in 11 levels. U10 is the maximum volume.

5. If the use distance is significantly shorter, it may be interfered with by other wireless signals, please change the channel by the transmitter's setting key and try to solve it.
6. If multiple sets are used at the same time, please configure the transmitter and receiver as follows:

Step 1: Turn off the first transmitter and receiver.

Step 2: Press and hold the power button and the setting button of the second set of transmitters simultaneously for 3 seconds while the transmitter is off. The display of the transmitter will start to flash (enter the ID pairing mode). Automatically connect the second transmitter and reconfigure the ID code within 3 seconds, and then turn off the second transmitter and receiver.

Step 3: Press and hold the power button and the set button of the third transmitter simultaneously for__ 3 seconds while the transmitter is off. The transmitter display will start to flash (enter the ID pairing mode). Automatically connect the third transmitter and reconfigure the ID code within seconds, and then turn off the third transmitter and receiver.

If you need to continue to increase the number of users, repeat the above operation. After configuration, you can use it normally after you turn it on again. Be careful not to have the same frequency. If there is the same frequency, you can adjust it with the transmitter setting key.

Troubleshooting

The receiver is disconnected and the transmitter cannot be connected	If the distance is beyond the range of use, please shorten the range of use; if the shielding distance is reduced accordingly
	Maybe interfered, please adjust the transmitter setting key to change the working channel
	Reconfigure the transmitter and receiver connections: With the transmitter off, press and hold After 3 seconds of the source button and the setting button, the transmitter display flashes, then turn the receiver on and insert the smart device standby, wait 3 seconds, then turn off and restart the transmitter Lavalier microphone is a high-sensitivity pickup,
Sound is distorted when speaking loudly	please adjust the distance between the microphone and the sound source. Adjust the volume of the transmitter. Lowering the volume will reduce the distortion.
	Check that the microphone plug of the transmitter is fully inserted into the socket
Silent/Very Low	Check the microphone volume and permission settings of the smart device
	Check whether the volume of the transmitter is at the minimum, and increase the volume of the transmitter.
	The transmitter and receiver are blocked by the building, which will affect the use distance
Short wireless range Short battery life	Transmitter and receiver antennas should not be covered by objects as much as possible to facilitate signal transmission
	In a crowded environment, the human body attenuates radio waves, so that the transmission and reception are not blocked by the crowd as much as possible It may interfere, please change the channel of the transmitter
	When two transmitters are close together, the use distance will be reduced; please keep a distance of at least 0.5 meters
	Use outside the temperature range in the technical parameters will affect the performance of the lithium battery:
Wind noise	Whether the windproof cotton cover of the microphone is installed Do not use the microphone in a windward location or in front of a fan
Cell phone interference noise	Turn on the transmitter's noise reduction switch to reduce wind and environmental noise. When recording with your phone, set your phone to Airplane mode and try to fix
	When charging, it may be affected by the grid signal and generate noise Noise caused by interference from other radio equipment, please change the transmitter channel and try to solve it
Other interference noise	Interference from high-power electrical equipment, such as electromagnetic stoves, microwave ovens, power distribution boxes, etc., please stay away from this equipment
	When using it close to the computer or 220V wire, it may be intruded into the grid and interfere with noise.

Matters needing attention

1. This product is a precision electronic device. It should be protected from rain or heavy drops. If the product

- enters the water by accident, please dry it immediately and have it handled by a professional technician.
2. The transmitter has a built-in rechargeable lithium battery. When not in use for a long time, the battery should be fully charged every three months to maintain battery performance.
 3. When installing and removing the receiver, point it straight at the socket of the smart device and do not bend the receiver excessively in a non-straight line to avoid damage to the plug.
 4. The receiver has a built-in data chip, and it is normal to have a certain temperature rise during operation.
- The pictures used in this manual are only used to describe the operation and use of the product.
Please refer to the actual product for the actual appearance.
- The company reserves the right to improve products and product program software, product works, and materials without prior notice.

FCC Statement

1. 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.
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Shenzhen Quandao Technology Co., Ltd.

Office: Room 701, Mingjun business center, Dalang street, Longhua Town,
Shenzhen, Guangdong, P.R.China
Email: 1660176606@qq.com

Documents / Resources

	Shenzhen WM500X1 Wireless microphone [pdf] User Manual WM500X1 Wireless microphone, Wireless microphone
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