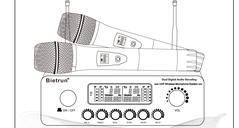
名称	**Bietrun-WXM15 混音话筒说明书**
尺寸	**A4对折中线装订　宽29.7x高21cm**
材质	**A4纸**

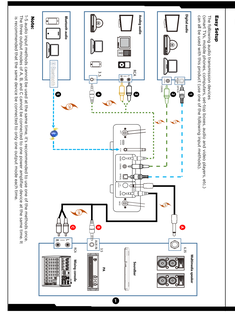
Bietrun®
WXM15

Dual Digital Audio Decoding
UHF Wireless Microphone User Manual



If you have any questions, please feel free to contact us.
E-mail: amazon@bietrun.com

封面

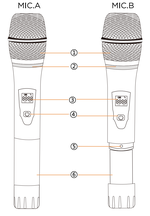


Notes:
1. The above audio input methods cannot input signals at the same time, only one of them is recommended, otherwise it will affect the sound quality or the product will not work properly.
2. The above two output interfaces cannot be connected to the same post-amplification equipment at the same time, otherwise the sound quality will be affected. It is recommended to connect the same equipment to only one output method.

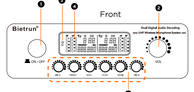
Easy Setup
Step 1: Turn off the power, connect the antenna, connect the speaker, and connect the power supply.
Step 2: Turn on the power, pair the microphone and receiver (pairing is completed when the indicator light is steady on).
Step 3: Adjust the volume of the microphone and receiver and test the sound effect.

Function and Operation

1. Microphone

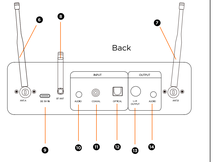


2. Receiver



Serial NO.	Part Name	Function description	Notes
1	MIC	Receive sound waves into an electrical signal	
2	Indicator light	1. Green: microphone is on 2. Red flash: low power 3. Red light is off: when the mic is off.	
3	LCD Display Screen	The working status of the microphone: power, signal, frequency,	When changes to and flashes, it indicates that the power is insufficient and the battery needs to be replaced; and a new battery needs to be replaced
4	Power button	1. Power on/off: Press and hold to turn on. Long press to turn off. 2. Volume: Short press to adjust the volume (the volume of the earbuds). level 1 is the largest	
5	Frequency switch	For one-key frequency interference, quickly press this button to change the frequency. There are up to 15 frequencies available.	After switching the channel on the microphone, the frequency of the host will change synchronously.
6	Battery compartment	Put two AA 1.5V alkaline batteries of the same brand into the battery compartment of the microphone.please make sure to observe proper polarity	1. The old and new batteries cannot be mixed. 2. It is recommended to use AA alkaline batteries. 3. It is not recommended to use rechargeable batteries (the low voltage of 1.2V affects the working time of the product).

Serial NO.	Part Name	Function description	Notes
1	Power and Bluetooth button	1. Press and hold to turn on, long press to turn off. 2. After power on, short press to turn off the Bluetooth reception, the BT indicator will flash two times, again to turn on the Bluetooth reception, and the BT indicator will light up.	Bluetooth reception is turned on by default every time you turn it on
2	Total volume control	Control the volume of all audio output, including microphone, Bluetooth, wired output and digital decoding output, with a total of 30 levels.	1. Restore the last volume setting after booting. 2. Due to the difference in signal amplitude between upper and lower limits, the adjustable range of some sound effects can be achieved by cooperating with the microphone volume. MUSIC volume and sound effect control of the receiving host.
3	Bluetooth indicator	flashing means Bluetooth is not connected, steady on means connected, and off means Bluetooth reception is off.	Bluetooth is turned on by default every time you turn it on. Short press the power button to turn off or turn on Bluetooth reception.
4	Display	the connection status and signal strength of the two microphones with the host, AF1 indicates the sound strength of the two microphones, FREQUNCY represents the working frequency of the two microphones and the receiving host.	After switching the channel on the microphone, the frequency of the host will change synchronously.
5	Sound effect control area	MIC A、MIC B	Microphone volume adjustment
		TREBLE	Microphone treble adjustment
		BASS	Microphone bass adjustment
		ECHO	Microphone reverb adjustment
		MUSIC	Bluetooth, digital audio source, wired input volume adjustment
			8. is recommended to use this function during karaoke, and turn it off in other states.
			According to different audio sources and different music styles, the better sound effects can be achieved.



Note:

1. The above three audio input methods cannot input signals at the same time, only one of them is recommended, otherwise it will affect the sound quality or the product will not work properly.

2. The above two output interfaces cannot be connected to the same post-amplification equipment at the same time, otherwise the sound quality will be affected. It is recommended to connect the same equipment to only one output method.

Serial NO.	Part Name	Function description	Notes
1 2	5. 8 microphone receiving antenna	The receiving antenna of the microphone, the antenna needs to be assembled for the first use.	1.If the antenna is not installed or the antenna is not vertical upwards, it will affect the distance of the microphone. 2. Do not place large metal objects around the antenna to avoid blocking the reception of the microphone. 3. The antenna angle can be adjusted when the signal is poor.
3	Bluetooth receiving antenna	The Bluetooth receiving antenna needs to be equipped with the antenna for the first use.	1.If the antenna is not installed or is not specially equipped, it will affect the Bluetooth signal reception. 2. Do not place large metal objects around the antenna to avoid blocking the reception of the microphone.
4	Power supply interface	DC 5V 1000mA Receive the host power supply port, DC 5V 500mA	It is recommended to use the standard adapter. The third-party power supply may affect the normal function and sound quality.
5	3.5 signal input port	wired analog audio signal input	can be used to superior equipment with analog signal output (with standard signal cable)
6	Coaxial digital audio input port	Digital audio signal input	AB superior equipment with coaxial digital audio output can be used (with standard coaxial signal cable)
7	Optical digital audio input port	Optical digital audio input	AB superior equipment with coaxial digital audio output can be used (with standard coaxial signal cable)
8	6.35 signal output	6.35mm audio output hole, this hole is L+R channel mixed output.	**If connected to the MIC port of the downstream device, the main volume of the host should be turned down, otherwise it will affect the sound phenomenon. The MIC volume of high-level equipment controls the sound level.**
9	3.5 signal output	3.5mm stereo audio signal output hole.	

Troubleshooting

Serial NO.	Breakdown	Elimination
1	NO sound	1.Check whether the volume control of the upper device, lower device and receiver is too low or muted. 2. Check whether the signal input and output wiring method is correct according to the above input and output. 3. Check whether the power switch of the upper device at the previous level of the receiver is in the open state, and whether the power of the upper device setting method needs to refer to the operating instructions of these devices. 4. Some amplifiers or the next level of the host may need to set the signal input channel, please refer to the instructions of the amplifier or host. 5. When the Bluetooth is silent, check whether the Bluetooth device is connected to the Bluetooth receiver, and whether the Bluetooth receiving device is turned on.
2	Receiver can not turn on	Check whether the power adapter, wire and host are connected correctly, and firmly, and whether the plug is inserted in place.
3	The music sound cannot be adjusted	1. Adjust the MUSIC button to the middle or right position, and adjust the total volume. 2. Check whether the input and output interface of 3.5 and 6.35 are inserted in place.
4	The sound of microphones is low	1. Adjust the volume control of MIC A or MIC B to a moderate position.
5	The sound of the microphone is intermittent	1. Shorten the distance between the microphone and the receiving host, and there should be no obstacles between the microphone and the host. 2. Do not place the receiving antenna in a place where there are too large metal close to the antenna, so as not to affect the antenna receiving effect. 3. There may be wireless interference in the use environment. Disassemble the battery of the microphone, and manually adjust the frequency switch to find the frequency point with the frequency without interference.
6	The distance of the microphone is too close.	1. Check whether the receiving antenna is in place. 2. Adjust the direction of the receiving antenna, and there should be no large metal close to the antenna, so as not to affect the antenna receiving effect.
7	The Bluetooth sound cannot be heard or is short in the Bluetooth signal is intermittent	1. Check whether the Bluetooth antenna is properly assembled. 2. Do not place the receiving host in the wireless mode, otherwise it will affect the Bluetooth receiving effect. 3. Adjust the direction of the Bluetooth receiving antenna. There should be no large metal close to the antenna, so as not to affect the Bluetooth receiving effect.
8	Howling and screaming from the horn	Reduce the volume of the loudspeaker equipment or microphone.Do not place the microphone too close to the speaker
9	The microphone cannot be turned on	1. Check whether the polarity of the battery is installed correctly, or replace with a new battery. 2. Long press the power switch for 1 second to turn on, and short press can not turn on.
10	Crash and Inoperability	In extreme cases, the system may crash and cannot be operated. You can remove the power plug and restart it or remove the battery to reinstall, and then restart.

Technical parameters

（Receiver）

Receiving frequency: U Band
Interference frequency ratio > 95dB
Audio output: 800mV （Max）
Receive channel: 2
Power consumption: 3W

Frequency stability: <0.002%
Signal to noise ratio: >95dB
Working range: Standard conditions 30 to 50m
Supply Voltage: 5V
Antenna: universal antenna

（Handheld Transmitter）

Carrier frequency: U Band
Transmit power: 11.319 dB
Harmonic: ≤Main wave 40dB
Pickup: 600Dsingle directivity
Antenna: built-in

Frequency stability: <0.002%
Current consumption: <125mA
Standard: FM
Battery: 2*AA (not included)

（Complex Index）

Dynamic Range: >95dB
Frequency response: 50Hz-18KHz

System distortion(<1%，1K Hertz modulation)

Packing list

2* Microphone (A, B)
1* Receiver
1* Bluetooth antenna
2* Microphone antenna
1* 6.35mm to 6.35mm cable
1* 3.5mm to 3.5mm cable
2* 3.5mm to RCA cable
1* Optical cable
1* Coaxial cable
1* Microphone cable
1* Power adapter
2* Anti-skid ring
1* User manual

Manufacturer:
SHENZHEN LONGXIANG INTELLIGENT TECHNOLOGY CO.,LTD.
Address: FLOOR 4, BUILDING D, FUYINLIN INDUSTRIAL AREA, HANGCHENG INDUSTRIAL ZONE FUHUA COMMUNITY XIXIANG STREET, BAOAN DISTRICT SHENZHEN GUANGDONG CHINA

FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.
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.

RF Exposure Information
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specific Absorption Rate (SAR) information:
This SHENZHEN JINGDU TECHNOLOGY CO.,LTD meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.
The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement
the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: SHENZHEN JINGDU TECHNOLOGY CO.,LTD has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the Wireless Microphone kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use
accessories that maintain an 0mm separation distance between the user's body and the back of the Wireless Microphone. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.