

ZERFUN G8

Pro Wireless Microphone System

Please read all instructions before use for best performance of this product.
Save these instructions for future reference.



WELCOME

Dear ZERFUN G8 Customer,

Congratulations on your purchase of the ZERFUN G8 Wireless Microphone System. To ensure your safety and many years of trouble-free operation, please read this manual carefully before using this device and keep it in a safe place for future reference.

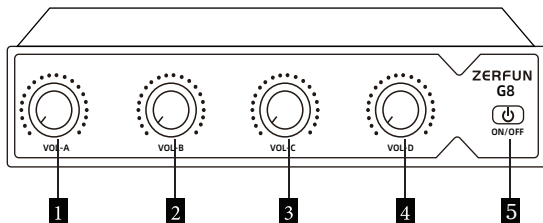
We hope you enjoy your new ZERFUN G8 Wireless Microphone System.

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RECEIVER PARTS & CONTROLS

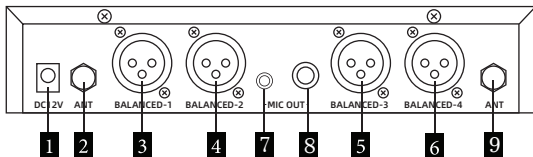
Front Panel



1. **Microphone A Volume Control:** Adjusts the out put volume of Microphone A, Turn the knob clockwise to increase the volume, and counterclockwise to decrease it.
2. **Microphone B Volume Control:** Adjusts the out put volume of Microphone A, Turn the knob clockwise to increase the volume, and counterclockwise to decrease it.
3. **Microphone C Volume Control:** Adjusts the out put volume of Microphone A, Turn the knob clockwise to increase the volume, and counterclockwise to decrease it.
4. **Microphone D Volume Control:** Adjusts the out put volume of Microphone A, Turn the knob clockwise to increase the volume, and counterclockwise to decrease it.
5. **Receiver Power Button:** Pressing this button will turn on the system, The LED display will light up, When the system is on, holding down the button for 2 to 3 seconds will shut the power off.

RECEIVER PARTS & CONTROLS

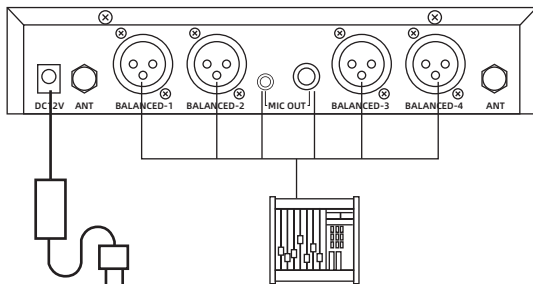
Back Panel



1. DC Power Input
2. Antenna Connector
3. Balanced Connector 1
4. Balanced Connector 2
5. Balanced Connector 3
6. Balanced Connector 4
7. 3.5 Mixed audio output socket
8. 6.3 Mixed audio output socket
9. Antenna Connector

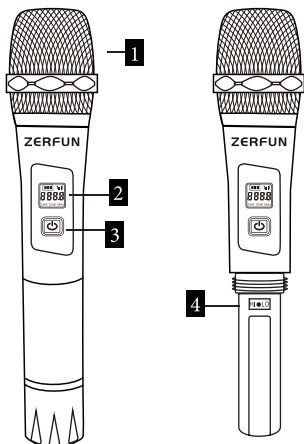
RECEIVER PARTS & CONTROLS

Connection Diagram



NOTE: Both antennas work in the Antenna 1 and Antenna 2 ports. There is no distinction between the ports, and both work together.

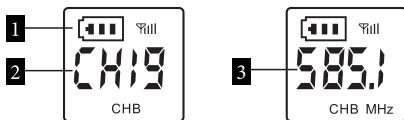
MICROPHONE PARTS & CONTROLS



- 1. Microphone Head:** Includes microphone cover and cartridge.
- 2. LED Display Screen:** Shows channel, battery level, connection range, and frequency.
- 3. Microphone Power Button:** Pressing this button will turn on the microphone. When the microphone is on, holding down the button for 2 to 3 seconds will shut the power off.
- 4. Frequency Adjustment Button:** This button, marked "HI LO", is accessible by unscrewing the microphone base/battery cover. Pressing the button changes the channel/frequency.

MICROPHONE PARTS & CONTROLS

Microphone Transmitter LED Display



- 1. Battery Level Display:** This icon displays the remaining battery power. When the battery level is low, the icon will flash, indicating that it needs replacing.
- 2. Channel Display:** This alphanumeric display shows the current channel.
- 3. Frequency Display in MHz:** This numeric display shows the current frequency.

OPERATING INSTRUCTIONS

1. Turn on the receiver using the Receiver Power Button. The LED display will show the channel and frequency of the receiver.
2. Turn the microphone volume knobs all the way down, and then press the Microphone Power Buttons to turn on each microphone. (2 x AA batteries each are required to turn on the microphones.) The LED displays will show the channel, RF and AF levels, battery status, and transmission range of each microphone.
3. To adjust the frequency, use the Frequency Adjustment Button. To access this button, unscrew the microphone base/battery cover by twisting the lower half of the handle counterclockwise until it is completely removed. Press the the button marked "HI LO" to change the channel/frequency. The receiver will automatically match the frequency of the transmitter*. Screw the piece back on after you have selected the channel. Channels are selectable between 1 and 50.
**Microphone A and Microphone B will not interfere with each other, but if you are using multiple sets of microphones simultaneously, you should set all the microphones to different frequencies.*
4. To turn off either the microphone or the receiver, press the corresponding Power Button for 2 to 3 seconds.

5. **Pairing Method**

Turn on the receiver and turn off mic first. Make sure both mic and receiver within 20" distance. Hold down the channel-adjust button of mic first, and then press power button of mic. When screen shows "-----", release both buttons and wait for seconds. If "-----" disappears, it means pairing is successful.

Note: When work with 2 sets or more simultaneously, please make sure mics are set with different channels.

TECHNICAL SPECIFICATIONS

General

- Carrier Frequency: 500 – 599 MHz
- Modulation Mode: FM
- Peak Deviation: ± 45 kHz
- Audio Response: 50 Hz – 15 kHz
- Comprehensive SNR: >105 dB(A)
- THD at 1 kHz: $<0.3\%$
- Operating Temperature: 14 – 131 °F
- Range of Operation: 164' – 262.5'

Receiver

- Oscillation Mode: PLL (Digital Frequency Synthesizer)
- Stray Reject: ≥ 80 dB
- Image Reject: ≥ 80 dB
- Sensitivity: 5 dBu
- Audio Output Level
 - XLR Output Jack: 800 mV
 - 1/4" Output Jack: 800 mV
- Operating Voltage: DC 12 V
- Operating Current: ≤ 300 mA

Handheld Transmitter

- RF Power Output: ≤ 10 mW
- Oscillation Mode: PLL (Digital Frequency Synthesizer)
- Frequency Stability: <30 ppm
- Dynamic Range: ≥ 100 dB(A)
- Frequency Response: 50 Hz – 15 kHz
- Maximum Input Pressure: 130 dB SPL
- Microphone Pickup: Moving Coil
- Power Supply: 2 x 1.5 V Batteries

TROUBLESHOOTING

PROBLEM	RECEIVER OR MICROPHONE TRANSMITTER STATUS	POSSIBLE SOLUTIONS
No sound or faint sound	Receiver LED screen is off	<ol style="list-style-type: none"> 1. Make sure that one end of the AC adapter is plugged into a power outlet and the other end is plugged into the DC input jack on the rear panel of the receiver. 2. Confirm that the AC power outlet works and is the correct voltage.
	Microphone power indicator is off	<ol style="list-style-type: none"> 1. Turn on the power. 2. Make sure that the batteries are facing the right direction (+/- marks should be lined up). 3. Try a different battery(s).
	Receiver RF level display is on	<ol style="list-style-type: none"> 1. Increase the receiver volume. 2. Check the cable connection between the receiver and the amplifier or mixer.
	Receiver RF level display is off; microphone power light is on	<ol style="list-style-type: none"> 1. Fully extend the antenna. 2. Make sure the receiver is away from metal objects. 3. Check for other obstacles between the transmitter and the receiver. 4. Check that the receiver and the transmitter are using the same frequency.
	Microphone power indicator flashes	Replace the batteries.

TROUBLESHOOTING

PROBLEM	RECEIVER OR MICROPHONE TRANSMITTER STATUS	POSSIBLE SOLUTIONS
Distortion or unwanted burst noise	Receiver RF level display is on	<ol style="list-style-type: none">1. Remove potential nearby sources of RF interference, such as CD players, computers, digital devices, earphone monitoring systems, etc.2. Set the receiver and transmitter to different frequencies.3. Replace the microphone batteries.4. If multiple systems are being used, increase the frequency separation between systems.
The distortion level gradually increases	Microphone power indicator flashes	Replace the batteries.