Fos Technologies G5 Stereo Wireless In Ear Monitoring System User Guide

STEREO WIRELESS IN-EAR MONITORING SYSTEM
USER GUIDE

Wireless In-Ear Monitoring System

Contents

Feature

Function Illustration

The stereo wireless monitoring system has a built-in audio DSP processing chip that provides high-fidelity sound, allowing you to experience the same feeling as live music.

- UHF 600-937MHz (according to local regulations)
- Stereo audio transmission
- The receiver adopts diversity reception to reduce blind spots and ensure stable reception.
- The volume of the left and right channels of the receiver can be adjusted independently, and there is a stereo mode and a MixMode selection function.
- The transmitter has two levels of adjustable power.
- Bandwidth 30MHz, preset 100 frequencies (varying according to different frequency ranges).
- Manual frequency adjustment and infrared automatic frequency sync.
- Operating range up to 100 m in an open area.
- Suitable for professional stage performance applications.

Components

Included Components

Transmitter *1

Antenna for transmitter *1

6.5mm audio cable *2

Recevier *1

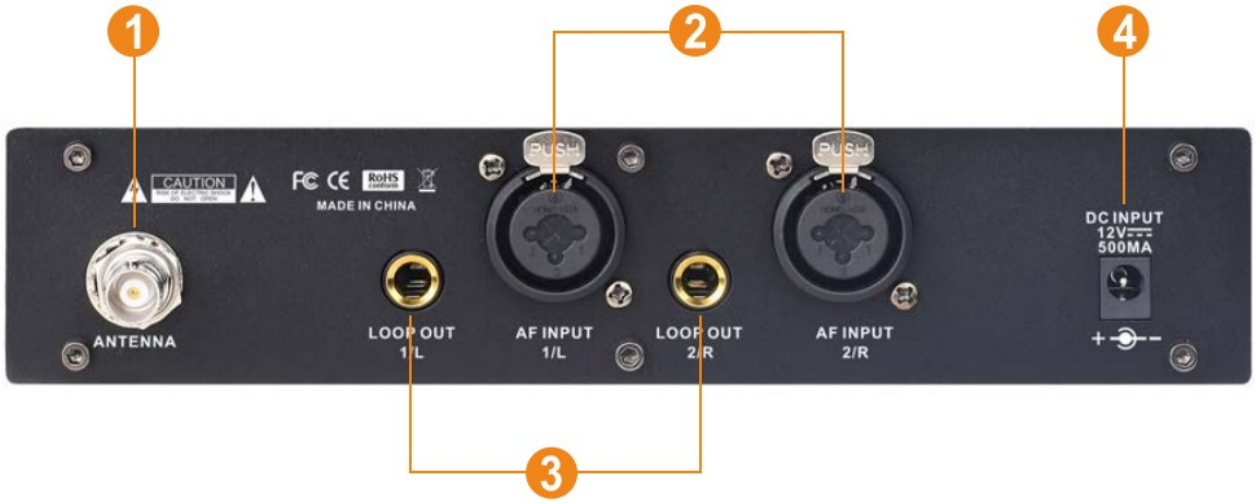
Antenna for receiver *2

Adapter *1

Charging cable *1

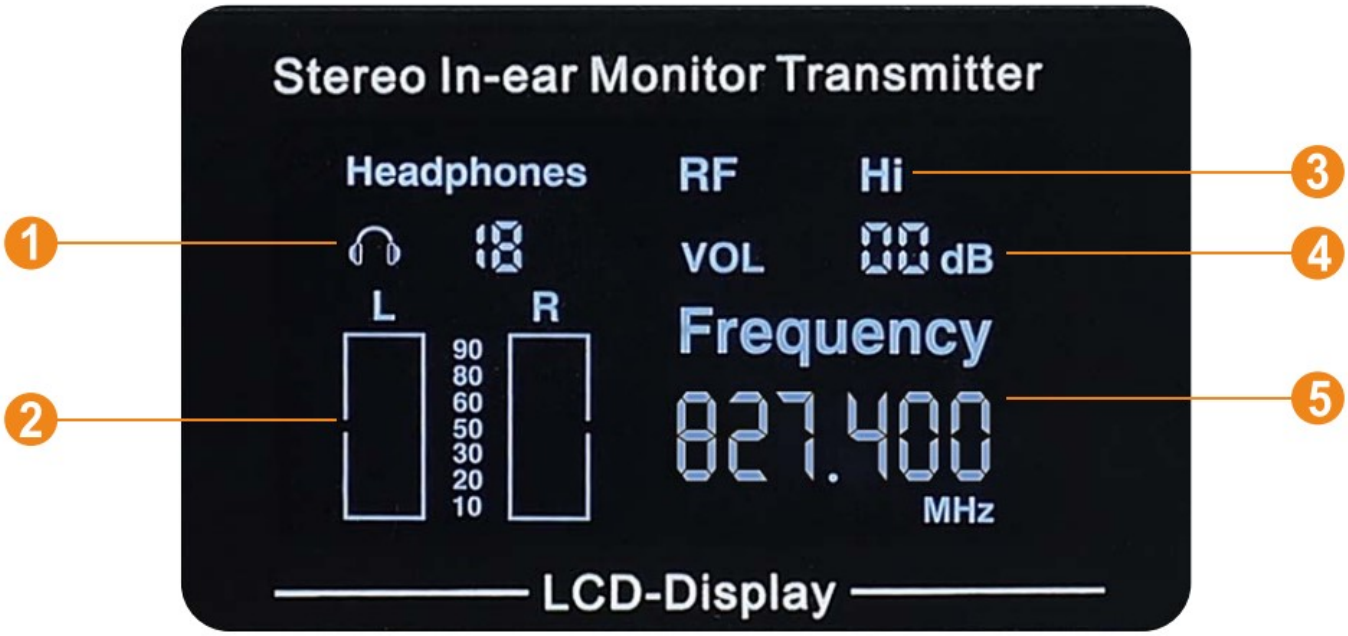
Transmitter Front and Rear Panels

1. IR sync window
2. 35mm jack for headphone monitoring
3. Sync button
4. Exit/cancel button
5. Menu knob: press to enter main menu, rotate to adjust datas like frequency, volume, etc.
6. Power



1. BNC antenna connector: connect the included antenna.
2. XLR-3/6.35MM combination jack: The sound source of the mixer or other audio source device is connected to the balanced input or unbalanced input jack. Can be inserted into XLR jack or 6.35MM jack.
3. 35MM unbalanced output jack: audio output to other audio devices.
4. Power input.

Transmitter Display



1. Front panel 6.35MM monitoring headphone output volume setting
2. Left channel and right channel audio signal indication
3. Transmit power setting (high power: Hi; low power: Lo)
4. Rear panel (XLR-3/6.35mm combined balanced input jack) audio volume adjustment
5. Working frequency for transmitter

Wireless Receiver

1. Antenna for receiver
2. Jack for headphone
3. IR sync window
4. Volume knob
5. RF signal indicator
6. Down
7. Menu button (press 2 seconds to unlock / lock if no action for 8 seconds)
8. Up
9. Charging indicator: red while charging, off when fully charged
10. TYPE-C charging port

Receiver Display

(Stereo Display)

(Mono Display)

Receiver Display

After unlocking, short press the middle menu button until the volume level corresponding to L/R flashes. Press the up/down buttons to adjust the volume

Mono Mode and Stereo Operation for Receiver

Stereo and Its Standard Display

Mono Mode and Its Standard Display

After unlocking, press the middle menu button until it switches to the Mode menu. When the ST or MO characters flash, press the up/down button to select ST (stereo) mode or MO (mono) mode.

As shown in the two pictures above.

Note: After adjusting the parameters, wait 8 seconds for the system to automatically return to lock mode. No other operations are required.

Sync Operation Between Transmitters and Receivers

Press the **SYNC** button, the transmitter's IR light will flash red Align the IR windows to sync the receiver and transmitter.

Troubleshooting

Transmitter

Problem	Reason	Solution
Can’t power o n, power light fail ed	Not connected power supply yet	Make sure power supply is connected to transmitter properly
Range is short	Antenna is not connected or not connected properly	Connect antenna properly
	There are obstacles in the transmission space	Remove the obstacles or go away from them
No stereo audi o modulation	Receiver is in mono mode	Change it to stereo mode
	No stereo from the sound source output	Input audio signal with stereo output

Receiver

Problem	Reason	Solution
Can’t Turn On	Battery is Dead	Charge the built-in Battery
No audio from Headphone	Beyond operating range	Get it work within operation range
	The Volume potentiometer is not tur n on	Turn it on
	Does not correspond to transmitter frequency	Change its frequency to the transmi tter has
	No Stereo audio modulation for tran smitter	Inspect the Transmitter

Specifications

Transmitter

Carrier frequency range: 600-937MHz (according to local regulations)
Oscillation mode: PLL phase-locked frequency synthesis
Modulation method: FM, MPX stereo integrated mode
T.H.D: <0.9% @1KHz
Frequency response: 50Hz-15KHz (±3dB)
Audio output: 6.35mmy balanced socket x2 (LOOP OUT)
Audio input: XLR and 6.35mm composite socket
Audio input level: +16dBV(max)
Front panel headphone output power: 70mW@320 THD+N = 1%
Power supply: DC 12V/500mA
Display panel: LCD
Dimensions (mm): 210 (L) x 45 (H) x 180 (W)

Receiver

Carrier frequency range: 600-937MHz (according to local regulations) Oscillation mode: PLL phase-locked frequency synthesis
Demodulation method: FM, MPX stereo integrated mode
T.H.D: <0.9% @1KHz
Frequency response: 50Hz-15KHz (±3dB)
Stereo separation: ≥60dB @1KHz
Output socket: 3.5mm stereo headphone socket Headphone output power: 125mW@320 THD+N = 1%
Power supply: built-in rechargeable 3.7V lithium battery Battery life: ≥5.5 hours
Operating range: ≥100 meters in an open area Display: OLED
Dimensions (mm): 64(W) x 102(L) x 24(H)

Documents / Resources

	Fos Technologies G5 Stereo Wireless In Ear Monitoring System [pdf] User Guide G5 Stereo Wireless In Ear Monitoring System, G5, Stereo Wireless In Ear Monitoring System, In Ear Monitoring System, Ear Monitoring System, Monitoring System, System

References

- User Manual