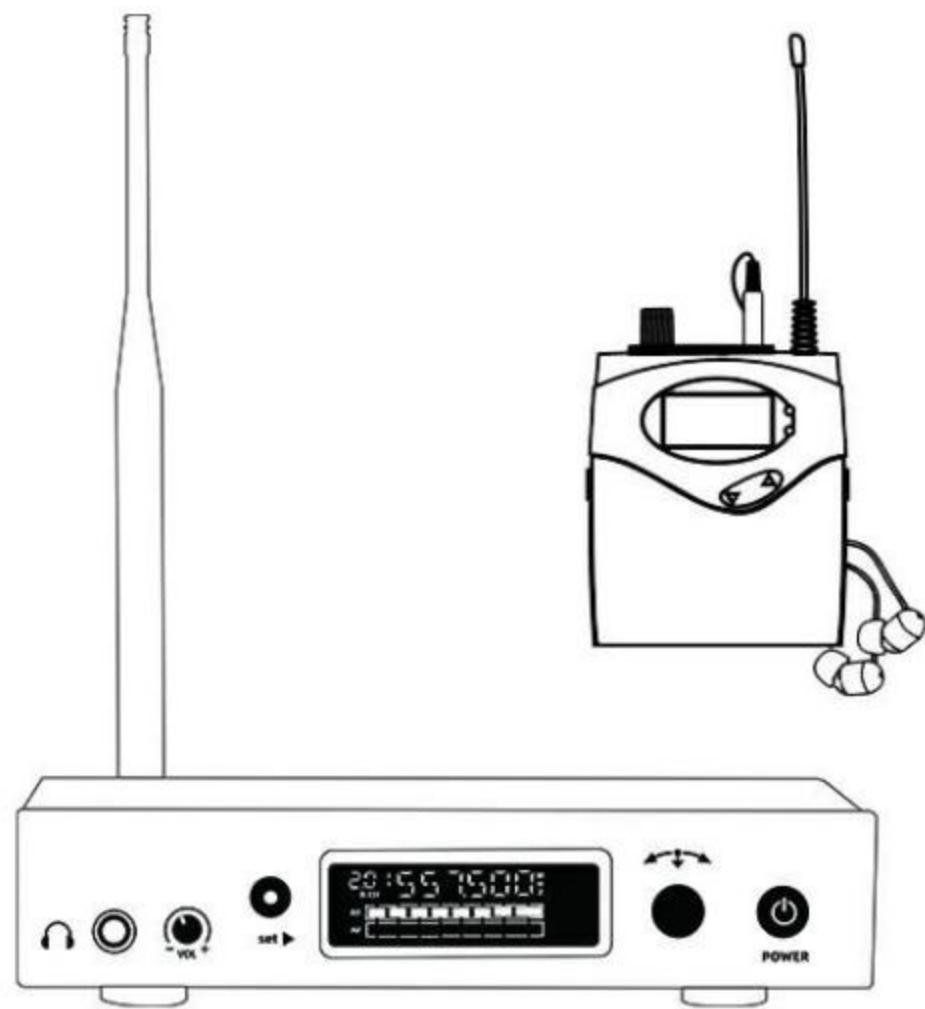


WIRELESS IN EAR MONITOR SYSTEM

USER INSTRUCTION



Ear-Monitor
Professional Ear-Monitor System

Wireless In Ear Monitor System User Manual

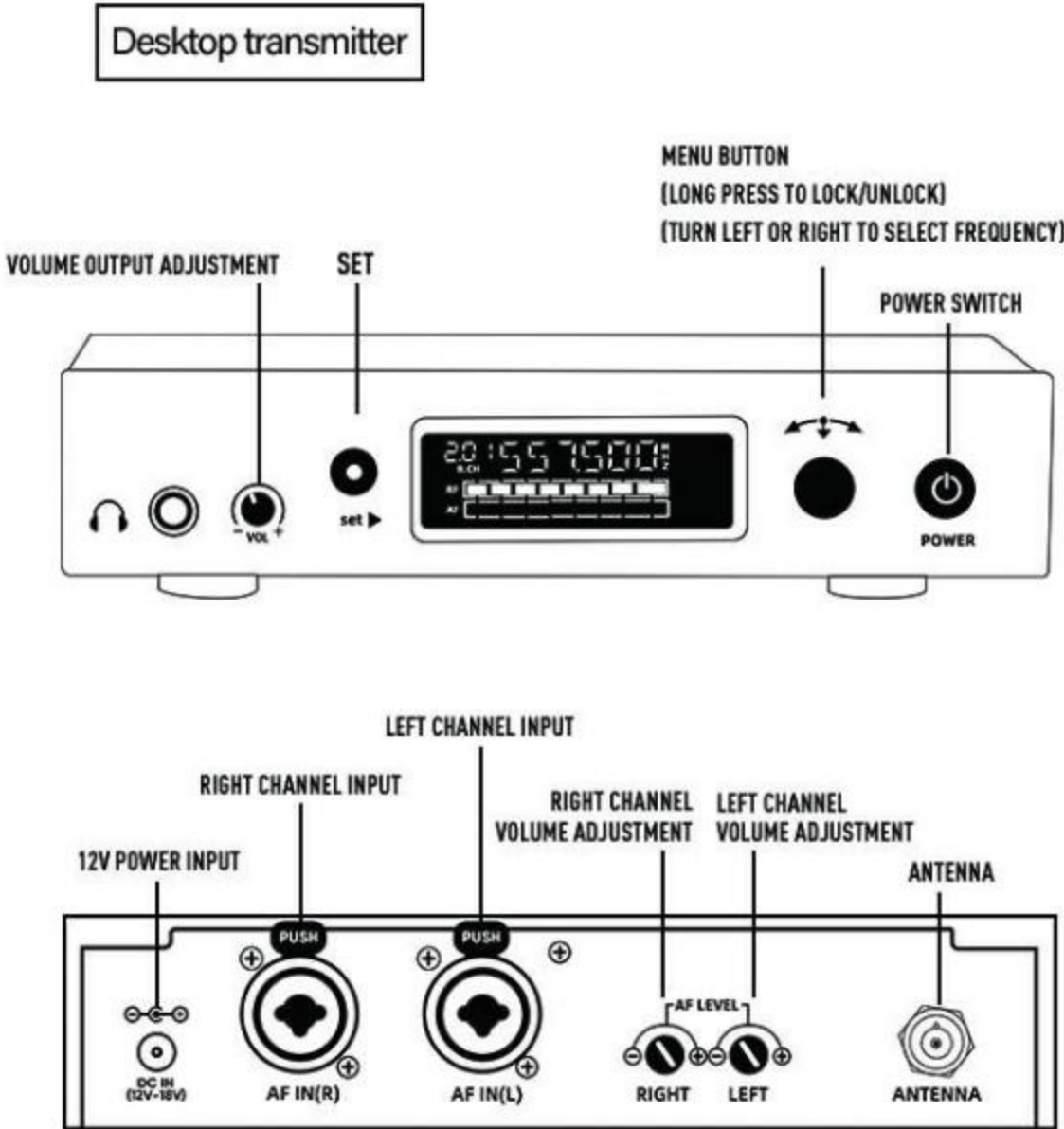
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Precautions

1. To avoid fire or electrical shock hazards, do not open the chassis as it contains high-power components. For adjustments or repairs, please contact the seller for a best solution.
2. Only use the power adapter provided with this device, and ensure the input voltage matches the adapter's requirements. Using a power adapter from another supplier may damage the device.
3. Do not place the device in high humidity, damp, or dusty areas, or allow it to come into contact with liquids to avoid malfunction.
4. Please use the dedicated alkaline batteries or rechargeable batteries that are compatible with this receiver. When inserting the batteries, make sure not to reverse the polarity. If the device is not going to be used for an extended period, please remove the batteries from the transmitter.
5. If you are leaving the device for more than a short period while it is in operation, please turn off the device and unplug the power adapter. Never leave the machine running unattended.

Wireless In Ear Monitor System User Manual



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Product Introduction

1. This product is a wireless monitoring headphone system used in stage performances and audio broadcasting, designed to replace traditional, complex audio monitoring equipment, achieving excellent monitoring results.
2. It uses the latest digital pilot encryption transmission and audio signal dynamic processing technology, offering optimal anti-interference and stability. It improves the signal-to-noise ratio and dynamic range, delivering the best sound quality with perfect reproduction of the original sound.
3. The receiver and transmitter both feature manual frequency tuning, allowing users to easily find the optimal channel for use.

Main Functions

- With advanced circuit design to eliminate reception dead zones, it ensures stable signal reception without interruptions. Featuring durable, drop-resistant professional quality, it is the best choice for stage monitoring products.

Key Features

- Uses UHF band PLL phase-locked technology.
- Uses a dynamic expansion circuit to significantly improve the signal-to-noise ratio.
- Features an elegant LCD display panel.
- The receiver uses two AA batteries (NOT INCLUDED) and a high-efficiency power circuit, providing long continuous usage time.
- The transmitter features a metal casing with durable, professional-grade quality.
- The transmitter uses a balanced shared input jack.
- The transmitter features an output monitoring headphone jack and volume adjustment.
- The receiver has a low battery indicator and can prompt when it's time to replace the battery.

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Technical specifications

Receiver

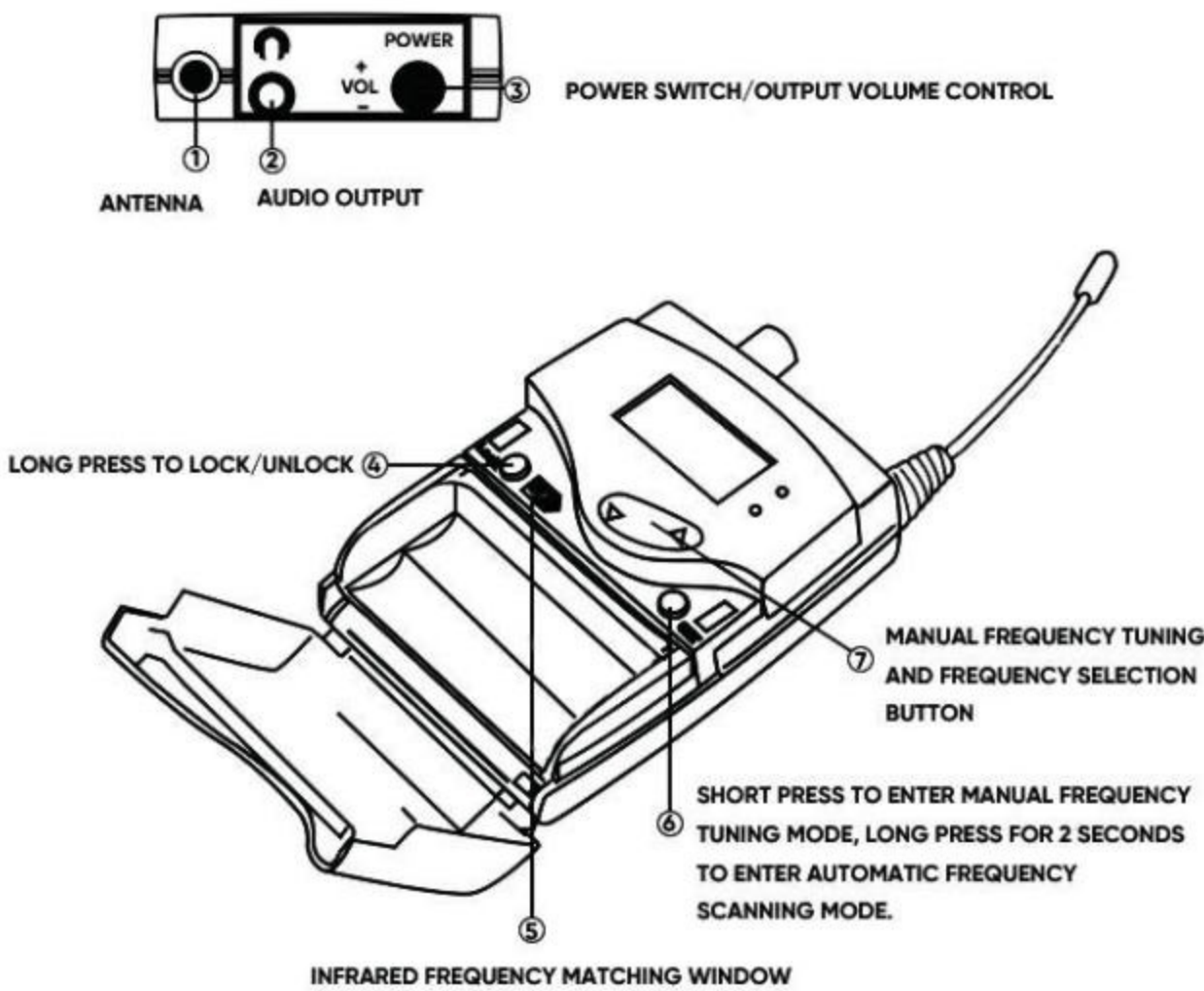
Oscillation mode: PLL phase-locked frequency synthesis
RF stability: $\pm 0.005\%$
Preset channels: 40 channels
Sensitivity: When the offset is 25kHz and the input is 7dBuV, S/N > 78dB
Frequency bandwidth: 550-579.25MHz (randomly included)
Operation mode: Manual frequency tuning/Infrared frequency matching
Reception mode: Single-tuned
Overall frequency response: 80Hz-15kHz $\pm 3\text{dB}$
Output power (32 Ω): 2X35mW @1kHz
Headphone impedance check: $\geq 16\Omega$
Output jack: 3.5mm (volume adjustable)
Battery: AA

Transmitter

Chassis specifications: Standard half-U
Chassis material: Metal
Oscillation mode: PLL phase-locked frequency synthesis
Preset channels: 40 channels
Frequency bandwidth: 550-579.25MHz (randomly included)
Audio output specifications: XLR and 6.3mm combined jack
Headphone output: 6.3mm jack with adjustable volume
Headphone impedance check: $\geq 16\Omega$
Current consumption: DC12V/250mA
Antenna output jack: TNC cartridge jack (50 Ω)

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Belt-mounted Receiver



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System settings

Desktop Transmitter Settings

1. Turn on/Turn off: long press POWER button
2. Group selection: ① SET or press ② Reverse to the left or right
3. Channel selection: ① 2xSET or press 2x ② Reverse to the left or right



Bodypack Receiver Settings

1. Turn on/Turn off: Rotate volume potentiometer ON/OFF
2. Group selection: ① SET ② ③/④ ③ ESC
3. Channel selection: ① 2XSET ② ③/④ ③ ESC



FCC Statement

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.

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.

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