

MIPRO®

User Guide

MTG-100

Digital Wireless Tour Guide System

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As110225

Design and specifications are subject to change without prior notice




MTG-100T



MTG-100R

100% Made In Taiwan

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use the apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding- type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid Injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. When the mains plug or appliance coupler used as the disconnect device, it shall remain readily operable.
16. Please keep the unit in a good ventilation environment.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



CAUTION: To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

CAUTION

To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

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Product Overview

MTG-100 is an innovative digital wireless tour guide system. It is ultra compact, lightweight and easy to use. Digital design provides crystal-clear audio quality, secured and reliable transmission and insensitive to interference attributes that are unmatched by the deficiency of simple analog design systems.

This system comprises of durable MTG-100R portable receiver, MTG-100T portable transmitter and MTG-100C-12 or MTG-100C-28 storage and charger carry case. It operates in the license-free 865 & 928 MHz ISM band. Each band is preset with 16 switchable frequencies and 4 compatible systems are available ensuring several different tours or groups can be operated at the same venue without interfering with each other.

ISM band requires no user licensing; thus, no worries about changing groups and channels when operating in multiple countries.

Built-in lithium polymer rechargeable battery is used instead of regular battery to resolve the troubles of changing battery and save you a significant amount of money years to come.

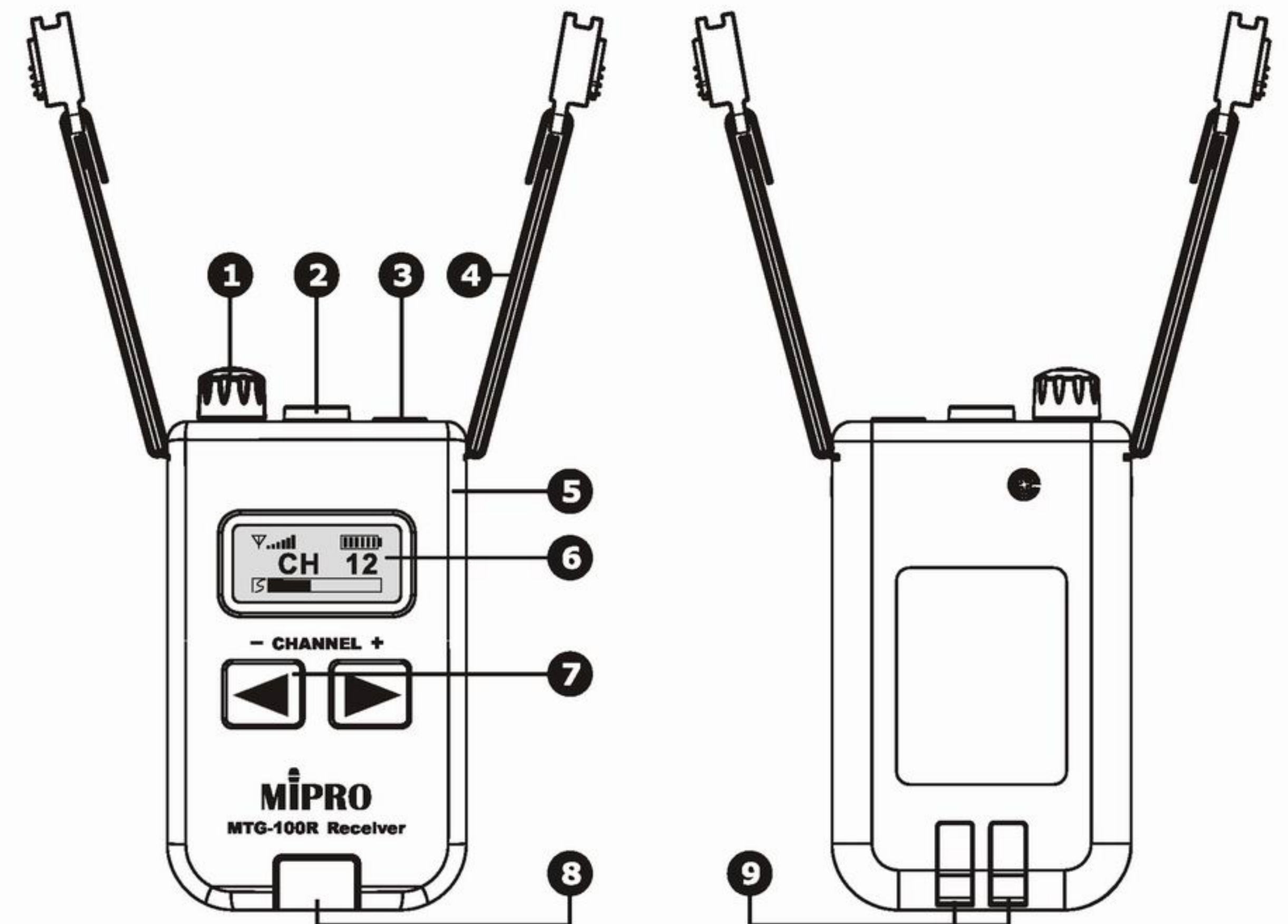
User-friendly 12 and 28 slots storage and charger carry cases are available for small to large, indoor or outdoor applications for guides, interpreters or presenters to communicate effectively to a group of people, rejecting irritating surrounding noise. MTG-100 is the best choice for functional features and high performance wireless tour guide system.

Key Features

- Operates on user license-free ISM bands: EU 863~865MHz and USA 926~928MHz.
- Industry's only true diversity design prevents signals dropouts and ensures maximum reception quality.
- Long distance and stable receiving range.
- Interference-free from Bluetooth, Wi-Fi and 2.4GHz wireless transmission.
- Encrypted digital technology enables secure audio transmission, preventing unauthorized listening.
- Proprietary 16-bit audio compression technology ensures crystal-clear sound quality.
- Miniaturized, lightweight receiver can be worn comfortably around the neck with a lanyard or fit inside any pocket.
- Easy to use, durable, reliable quality and affordable price.
- Both receiver and transmitter have built-in long-lasting and fast-charge lithium polymer rechargeable battery.
- Innovative automatic shut-off timer reduces battery consumption.
- LCD displays battery level and other parameters.
- Channel lock-to avoids accidental changes.(PC Control Interface)
- Convenient 12 or 28-slot storage and charger carry case for easy charging, storage and manage inventory.
- Ethernet interface (MTG-100C-28) allows system setting and management.
- Weight: MTG-100R: 65 g / 2.3 oz (battery included).
MTG-100T: 67 g / 2.4 oz (battery included).
- Dimensions(WxHxD): 45 x 84 x 21mm/1.8 x 3.3 x 0.8".

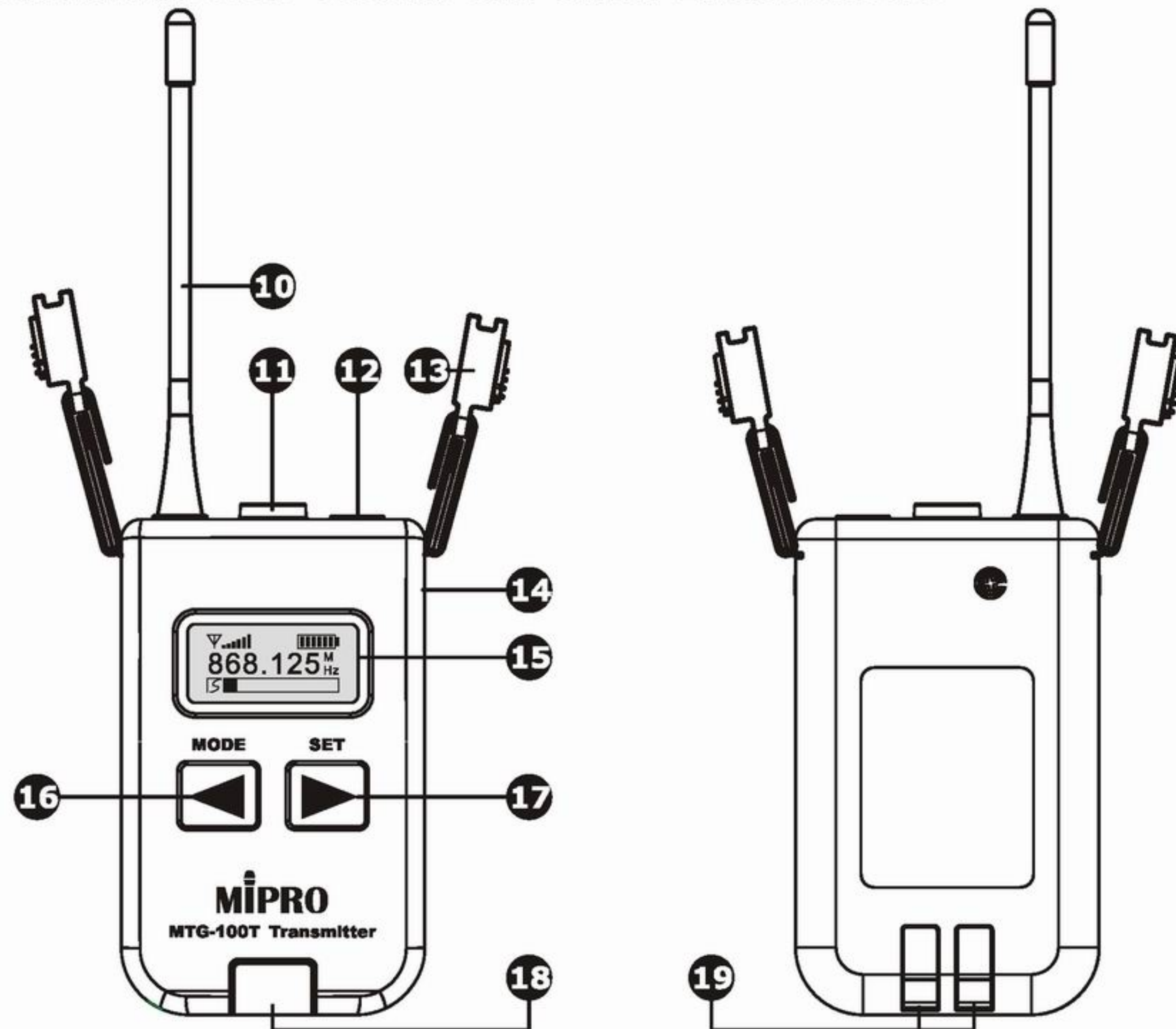
MTG-100R

Receiver Controls and Indicators



- ➊ **Volume Control:** 1-20 levels volume adjustment.
- ➋ **Power button:** Press and hold for 2 seconds to power on & off.
- ➌ **3.5mm Jack:** Insert earphones or headphones here.
- ➍ **Lanyards & Buckle:** Detachable neck lanyards.
- ➎ **Housing:** Holds internal circuitry and build-in rechargeable battery.
- ➏ **LCD Display:** Display channel, receiving signals and battery status.
- ➐ **Channel Buttons:** 16 factory preset channels. ◀ one channel down; ▶ one channel up.
- ➑ **ACT Sync (synchronization) Port:** Automatic channel synchronization. (to sync, insert into the charging cell and align charging contact points)
- ➒ **Charging Contacts:** Rechargeable battery contact points.

MTG-100T Transmitter Controls and Indicators



- ⑩ **Antenna:** Transmitting antenna.
- ⑪ **Power button:** Press and hold for 2 seconds to power on & off.
- ⑫ **3.5mm Audio Input:** Accepts Microphone-input or Line-input.
- ⑬ **Lanyards & Buckle:** Detachable neck lanyards.
- ⑭ **Housing:** Holds internal circuitry and build-in rechargeable battery.
- ⑮ **LCD Display:** Display channel, receiving signals and battery status.
- ⑯ **MODE button:** To select functions.
- ⑰ **SET button:** To set and change parameter values.
- ⑱ **ACT Sync (synchronization) Port:** Automatic channel synchronization. (to sync, insert into the charging cell and align charging contact points)
- ⑲ **Charging Contacts:** Rechargeable battery contact points.

LCD Screen

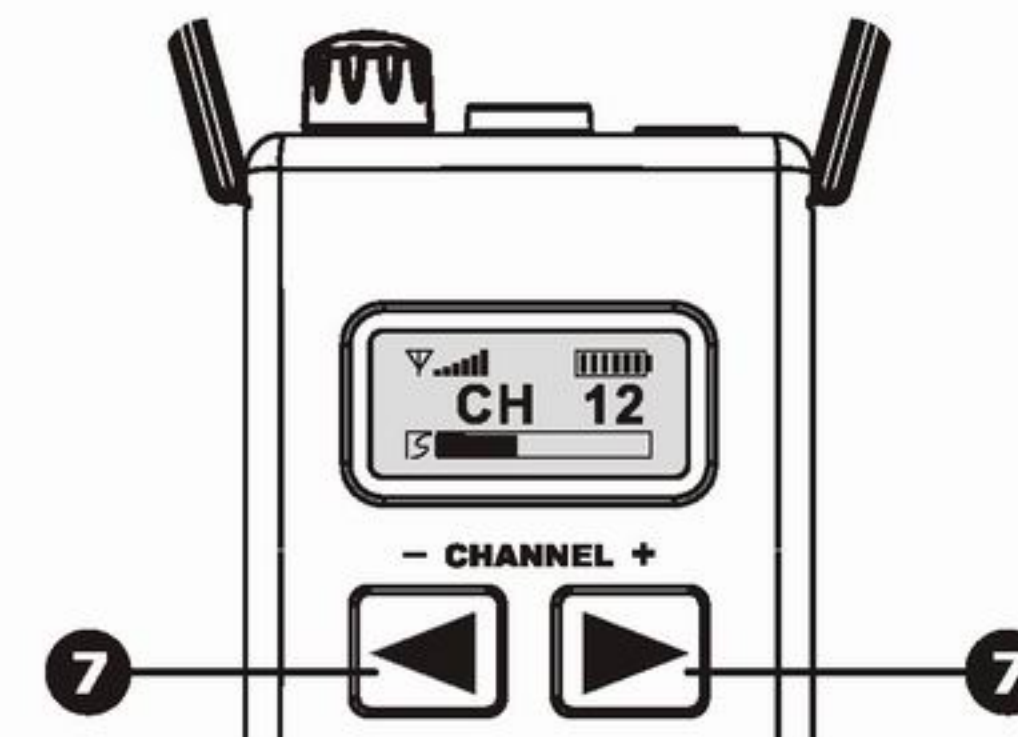
Displays current settings and indicators



- ⑳ **Received/Transmitted RF Signals**
- ㉑ **Current Function Display**
- ㉒ **Received/Transmitted Audio Signals**
- ㉓ **Battery Level Indicator** (battery icon will flash when battery level is low)

Setting Up Receiver

Press ◀ or ▶ channel button for a factory pre-set channel. Channels CH 01 ~ 16 will be displayed accordingly.



Volume Control

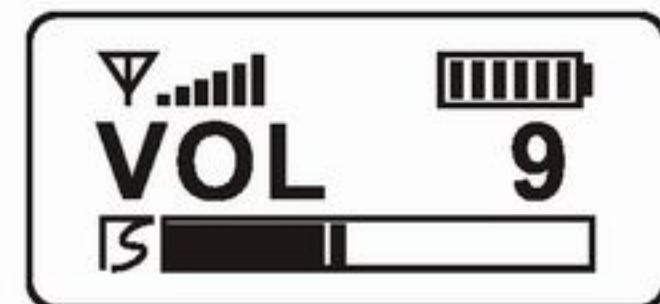
- Insert the earphones or headphones and slowly turn up the volume to a comfortable, safe sound level.
- "Mute" is lowest volume level. "VOL 20" is highest volume level.

Warning

- **Avoiding Hearing Damage** - Permanent hearing loss may occur if earphones or headphones are used at high volume. Set the volume to a safe level.



"No Sound"



"Lower Volume ↓"

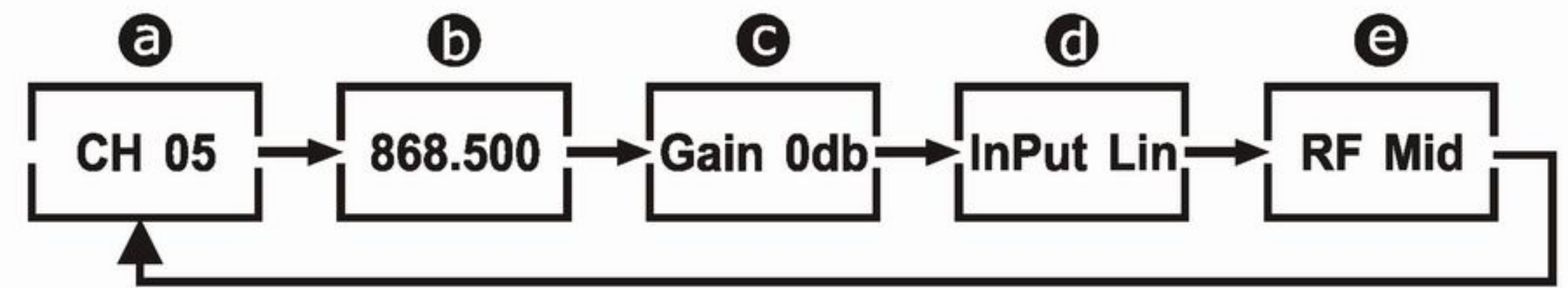


"Increase Volume ↑"

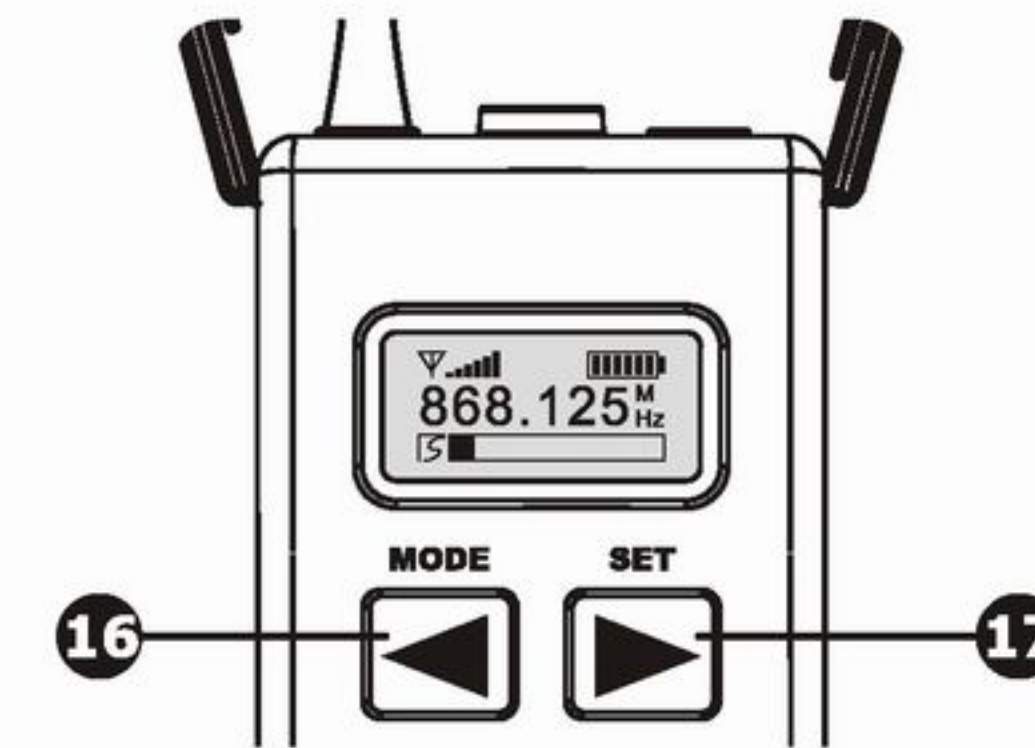


Setting Up Transmitter

Press "MODE" button for one of the five functions.



- a Channel
- b Frequency
- c Sensitivity Level
- d Audio Input Source
- e RF Output Power



Channel Set-Up

- Press **MODE** button until **CH** mode appears.
- Press **SET** button once to activate function. CH **00** blinks once when activated.
- Press **SET** button increases the channel number by one.
- Press **MODE** button to confirm and save the change.



Frequency

- The displayed frequency corresponds to the selected channel number. Frequency cannot be changed.



Sensitivity Level Set-Up

- Gain Levels: Microphone Input (-12db ~9db)
Line Input (-12db~3db).
- Press **MODE** button until **Gain** mode appears.
- Press **SET** button once to activate function. Gain **0** dB blinks once when activated.
- Press **SET** button for **-12, -9, -6, -3, 0, or 3** dB.
- Press **MODE** button to confirm and save the change.

Note:

- * Approximately 70% of the level indicator is optimal and recommended.



Audio Input Source Set-Up

- Press **MODE** button until **InPut** mode appears.
- Press **SET** button once to activate function. InPut **Mic** or **Lin** blinks once when activated.
- Press **SET** button for either **Mic** (Microphone) or **Lin** (Line).
- Press **MODE** button to confirm and save the change.

Note:

- * Mic-level provides biased power for electret condenser microphone.
- * Line-level provides audio transmission of MP3/CD/DVD player.

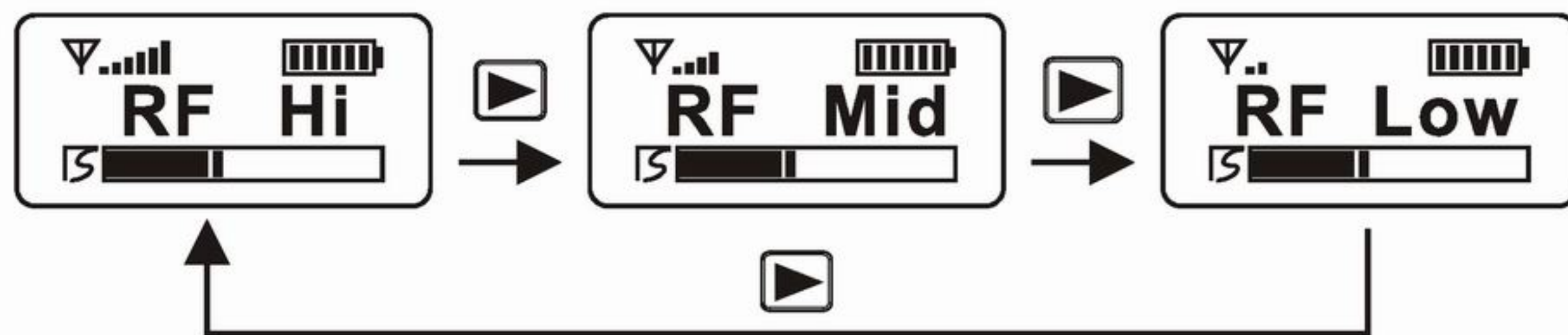


RF Output Power Set-Up

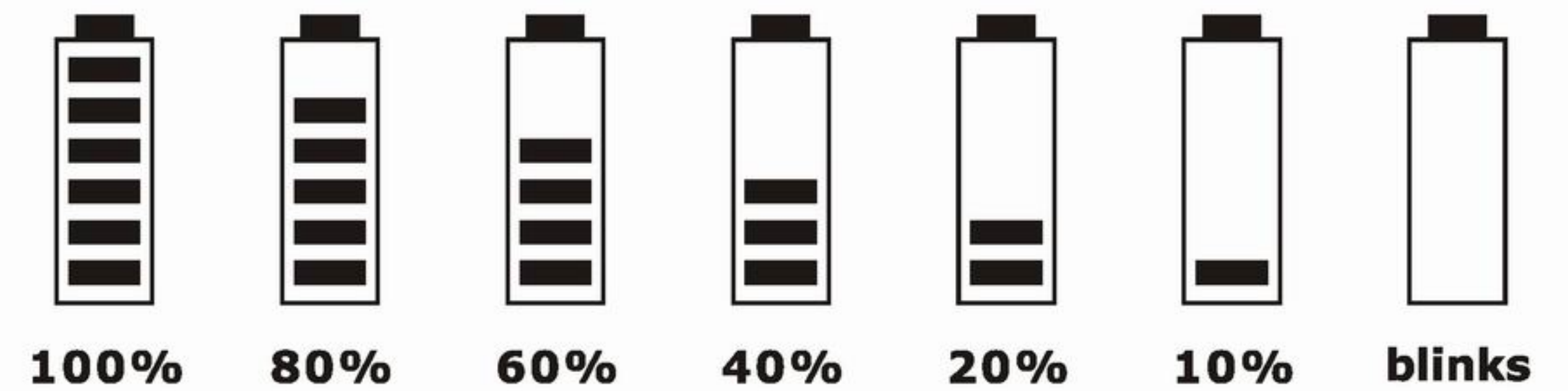
- Press **MODE** button until **RF** mode appears.
- Press **SET** button once to activate function. RF **Hi**, **Low** or **Mid** blinks once when activated.
- Press **SET** button for **Hi**, **Low** or **Mid** power.
- Press **MODE** button to confirm and save the change.

Notes:

- * Low or Mid setting is recommended for indoor, smaller environment.
- * Hi setting has 10mW RF power output.



Battery Level Status



Charge the battery when zero or one level indicator (10%) remains or when the battery icon is flashing indicating a lower battery level. Power will shut-off automatically if continuous use without charging to protect battery from being overly discharged.

Note:

- * MTG-100R/T has a built-in, non-user-replaceable rechargeable battery. Please contact local authorized MIPRO distributor or dealer service provider for servicing.

Battery and Power

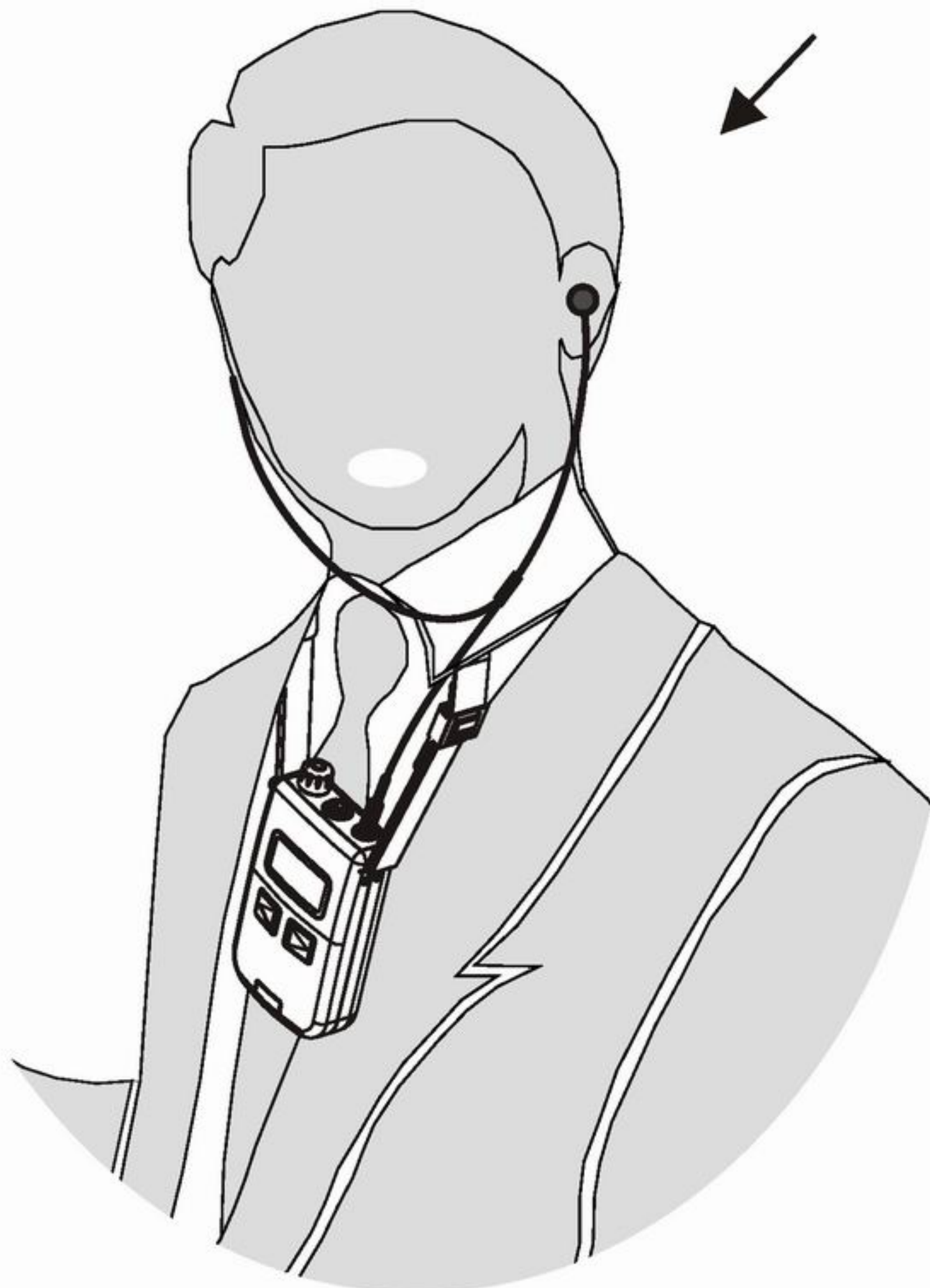
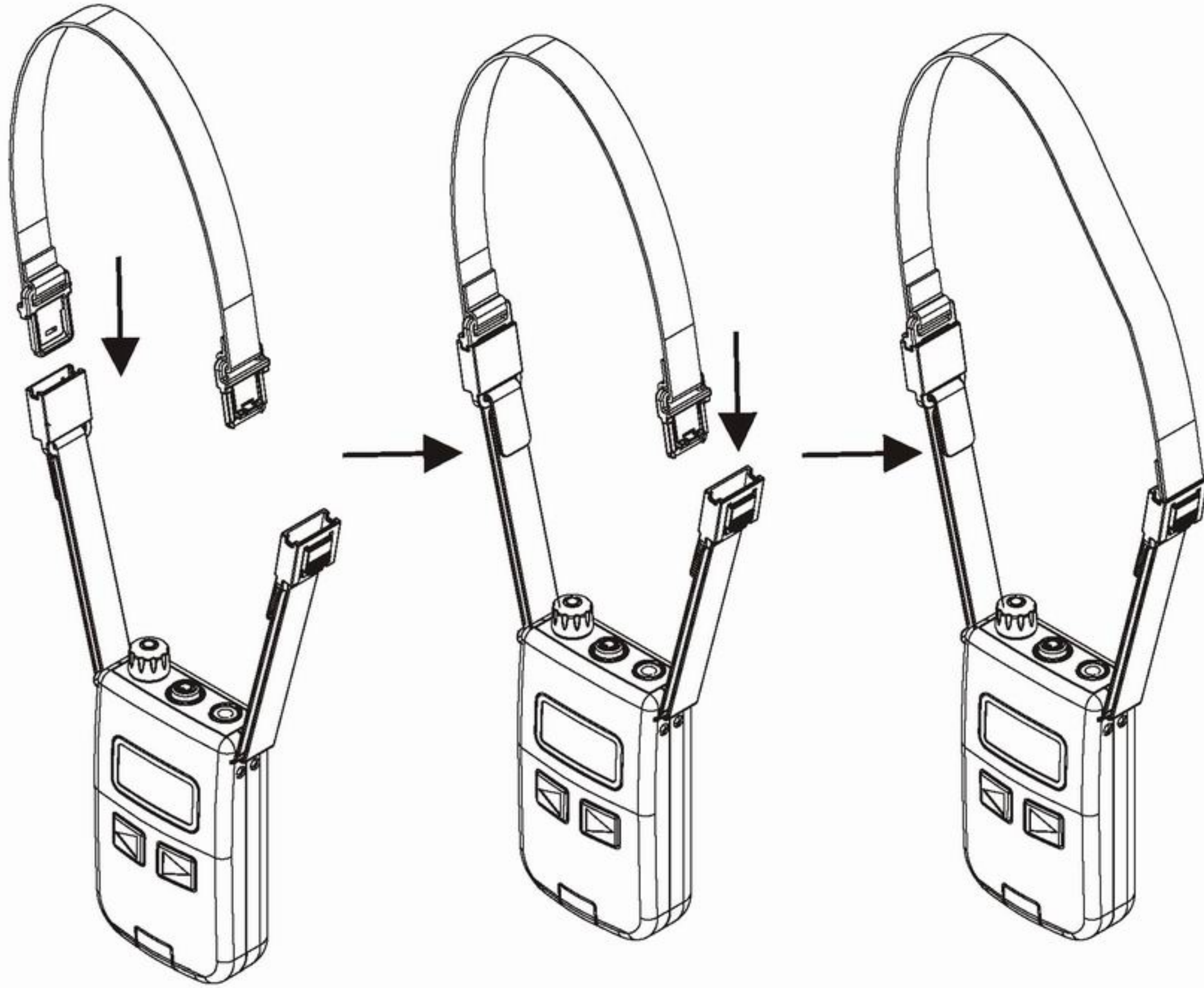
- Built-in rechargeable lithium-polymer battery.
- Up to 14 hours of operation when fully charged.
- **Fast-charge time:** about 2.5 hours. (charges up to 80% of battery capacity)
- **Full-charge time:** about 4.5 hours.

Note:

- * Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. Battery life and number of charge cycles vary by use and settings.

Wearing Neck Lanyards

Insert into both side-release buckles and adjust the straps for ideal length.



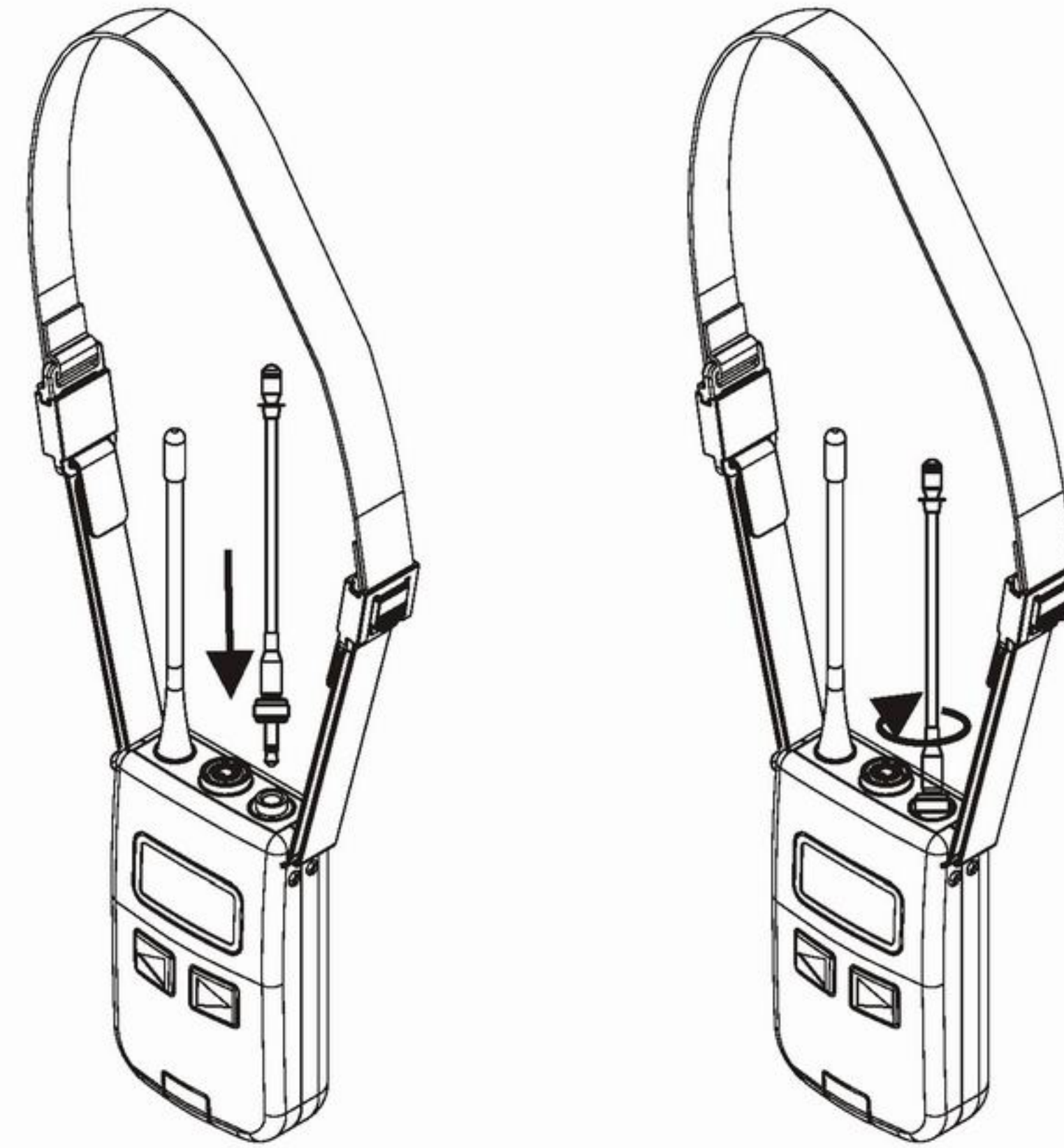
Transmitter Audio Input

MU-101: Headworn Microphone.

MM-10: Mini-Gooseneck Microphone (once plugged, it can be used as a handheld)

Insert & fasten the optional MU-101 or MM-10 microphone.

Select **MODE** and Input **Mic**.



Receiver Earphones Storage

Each set of earphones can be stored orderly in the provided convenience storage case.

