

# MTG-100Ra Digital Portable Receiver

## Introduction

MTG-100 is an innovative digital wireless tour guide & language interpretation systems.

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.

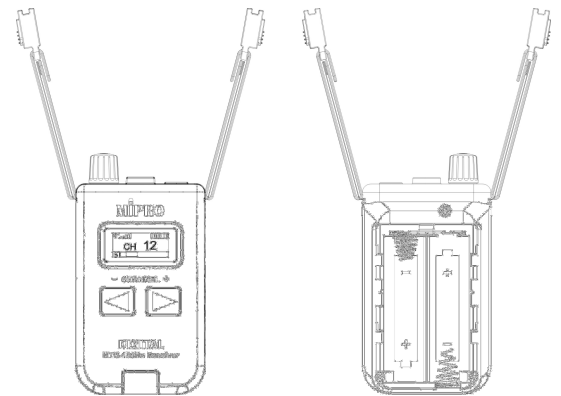
It operates in the license-free 865 & 928 MHz ISM band. ISM band requires no user licensing; thus, no worries about changing groups and channels when operating in multiple countries. Each band is preset with 16 switchable frequencies and ensures several different tours or groups can be operated at the same venue without interfering with each other.

Disposable battery system comprises of MTG-100Ra receiver and MTG-100Ta transmitter. 2 AA batteries are used for convenient personal usage.

This system is ideal 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.

## Key Features

- AA batteries for personal convenient use. Easy to carry and replace.
- PC controllable Channel-Lock to prevent accidental change.
- Ethernet interface allows system setting and management.
- Operates on user license-free ISM bands: EU 863~865 MHz and USA 926~928 MHz.
- Up to 100 m (330 ft) line-of-sight reception range.
- Interference-free from Bluetooth, Wi-Fi and 2.4 GHz wireless transmission.
- Digitally encrypted technology enables secure audio transmission, preventing unauthorized listening.
- Digital technology ensures crystal-clear audio quality and listeners have the best tour experience.
- Industry's only true diversity technology for exceptional reception quality.
- Durable, ultra-lightweight and pocket-sized portable receiver and transmitter. Incredibly easy to set-up and use.
- Industry's only auto shut-off timer for saving power consumption to extend the operation time.
- Backlit LCD screen displays all relevant parameters.



## Transmitters

<b>MTG-100Ta</b>	Digital Portable Transmitter
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## Accessories

<b>E-5S</b>	Single-sided Earphone
<b>E-10S</b>	Stereo Earphones
<b>E-20S</b>	Stereo Earphones

## Technical Specifications

Frequency Range	CEPT/EU: 863~865 MHz / USA: 926~928 MHz
Oscillation Mode	PLL Synthesized
Preset Channels	16
Switching Bandwidth	2MHz
Channel Grid	125 kHz
Sensitivity	Approx. -90dBm
Operating Range	Up to 100 meters / 330 feet (line-of-sight)
Frequency Response	50Hz~10kHz
Power Supply	2xAA batteries
Operating Time	>12 hours
Automatic Shut-off Time	6 hours
Dimensions	45(W)x84(H)x28(D)mm / 1.8(W)x3.3(H)x1.1(D)"
Weight	Approx. 72g / 2.5oz (excluding batteries)



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