

# MTG-100R 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.

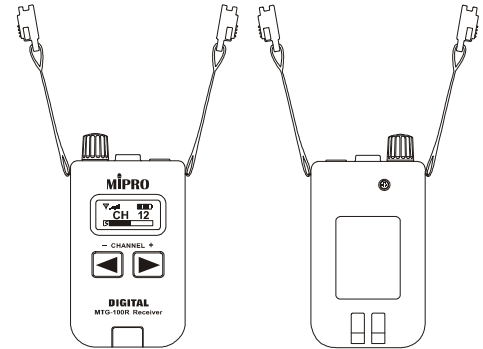
It operates in the license-free 865 & 928 MHz ISM band. ISM band requires no user licensing; thus, no worries about changing groups and channels when operating in multiple countries. Each band is preset with 16 switchable frequencies and ensures several different tours or groups can be operated at the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

Lithium rechargeable battery system comprises MTG-100R receiver, MTG-100T transmitter and MTG-100C-4, MTG-100C-12 or MTG-100C-28 storage and charger carry case. Built-in lithium polymer rechargeable battery is used to resolve the troubles of changing battery and save you a significant amount of money years to come.

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

- Built-in rechargeable lithium battery for long time continuous use.
- PC controllable Channel-Lock to prevent accidental change.
- Convenient 4, 12 or 28-slot storage and charger carry case for easy charging, storage and manage inventory.
- 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

MTG-100T	Digital Portable Transmitter
----------	------------------------------

## Accessories

MTG-100C-4	4-Slot Charger
MTG-100C-12	12-Slot Storage and Charger Carry Case
MTG-100C-28	28-Slot Storage and Charger Carry Case
E-5S	Single-sided Earphone
E-10S	Stereo Earphones
E-20S	Stereo Earphones

## Technical Specifications

Frequency Range	CEPT/EU: 863 – 865 MHz   USA: 926 – 928 MHz
Oscillation Mode	PLL Synthesized
Preset Channels	16
Switching Bandwidth	2 MHz
Channel Grid	125 kHz
Sensitivity	Approx. -90 dBm
Operating Range	Approx. 100 meters   330 feet (line-of-sight)
Frequency Response	50 Hz – 10 kHz
Power Supply	Built-in high capacity lithium polymer rechargeable battery. Replaceable.
Operating Time	> 12 hours
Automatic Shut-off Time	10 minutes – 42 hours (programmable with software)
Dimensions (W × H × D)	45 × 84 × 21 mm / 1.8 × 3.3 × 0.8 "
Weight	Approx. 65 g / 2.3 oz (Li-poly battery included)



### MIPRO Electronics Co., Ltd

Headquarters: 814 Pei-kang Road, Chiayi, 60096, Taiwan  
Tel: +886.5.238.0809 | Fax: +886.5.238.0803  
www.mipro.com.tw | mipro@mipro.com.tw