

# MTG-100T Digital Portable Transmitter

## 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.

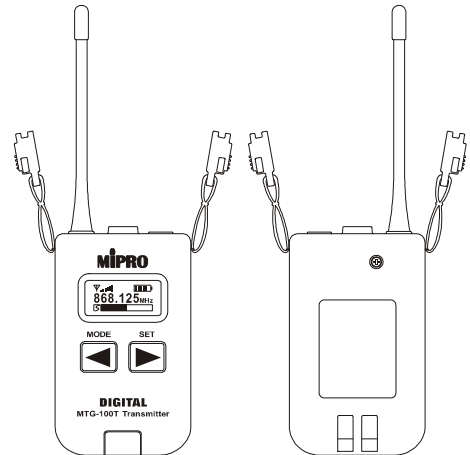
Lithium rechargeable battery system comprises MTG-100R receiver, MTG-100T transmitter and MTG-100C-12 or MTG-100C-28 storage and charger carry case. Built-in lithium polymer rechargeable battery is used to resolve the troubles of changing battery and save you a significant amount of money years to come.

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.



## Receivers

|          |                              |
|----------|------------------------------|
| MTG-100R | Digital Portable Transmitter |
|----------|------------------------------|

## Accessories

|          |                           |
|----------|---------------------------|
| MM-10    | Mini-gooseneck Microphone |
| MM-202P  | Mini-gooseneck Microphone |
| MU-101P  | Headworn Microphone       |
| MU-23P   | Headworn Microphone       |
| MU-53HNP | Headworn Microphone       |

## 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  |
| RF Output Power         | <10 mW (Low/Mid/High, switchable)                            |
| Sensitivity             | Approx. -90 dBm  |
| Operating Range         | Up to 100 meters   330 feet (line-of-sight)                  |
| Frequency Response      | 50 Hz – 10 kHz   |
| Power Supply            | Built-in high capacity lithium polymer rechargeable battery. |
| Operating Time          | >12 hours  |
| Automatic Shut-off Time | 10 minutes – 42 hours (programmable)                         |
| 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