

## MTG-100 Digital Wireless Tour Guide System

### Profile

MTG-100 is an innovative pocket-sized digital wireless tour guide / interpretation system. Featuring industry's smallest and lightest system and the only true diversity design. Crystal-clear and secured communication in different environments thanks to its proprietary digital technology. This feature-packed system is user-friendly and easy to use.



### Ultra Compact, Ultra Lightweight

Smaller and lighter than any industry's wireless tour guide or mobile phones as it weights only 65g (rechargeable battery included), it can easily be held with one hand, fit in a pocket or worn by a neck lanyard.

### Secured Digital Transmission, Crystal Clear Audio

Digitally encrypted technology enables secure audio transmission, preventing unauthorized listening. Digital design provides crystal-clear audio quality, interference-free from Bluetooth, Wi-Fi and 2.4GHz wireless transmission and unmatched by the deficiency of simple analog design systems. Digital technology ensures every word can be heard clearly especially at places with noisy environments.

### Optimum Reception

Industry's only true diversity technology for up to 100m/330ft (line-of-sight) of reliable reception range.

### Rechargeable & AA Battery Models

Built-in rechargeable lithium battery or 2 AA batteries.

### 16 User Selectable Channels

Maximum flexibility and ensures several different tours or groups can be operated at the same venue without interfering with each other.

### License-free Frequency Ranges

ISM bands in EU 863~865 & USA 926~928 MHz require no user licensing; thus, no worries about charging groups and channels when operating in multiple countries.

### Ideal Applications

#### Guided Tours:

Factories, Museums, Tourist Attractions, Zoos, Cruise Ships, Buses/Vans, School field, Gardens, Employee & Dealers Training, Hotels and Resorts, Special Events.

#### Assistive Listening:

Educational Institutions, Corporate Meetings, Training and Seminars, Theaters, Governmental Agencies, Houses of Worship, Conventions and Auditoriums.

#### Language Interpretation:

Courtrooms, Educational Institutions, Conferences or Conventions, Houses of Worship, Medical Facilities, Employee & Dealers Training, Hotels & Resorts.

### Key Features

- Durable, ultra-lightweight and pocket-sized portable receiver and transmitter.
- Incredibly easy to set-up and use.
- Industry's only true diversity technology for up to 100m exceptional reception range.
- Digital technology ensures crystal-clear audio quality and listeners have the best tour experience.
- Reliable, uninterrupted communications and excellent sound ensure listeners hear important instructions and stay with the group.
- Digitally encrypted technology enables secure audio transmission, preventing unauthorized listening.
- Interference-free from Bluetooth, Wi-Fi and 2.4GHz wireless transmission.
- Can be worn comfortably with an adjustable neck lanyard or fit inside any pocket.
- Backlit LCD screen displays all relevant parameters.
- Operates on user license-free ISM bands: EU 863~865MHz and USA 926~928MHz.
- Available in built-in rechargeable lithium or 2 AA batteries models.
- Convenient 12 or 28-slot storage and charger carry case for easy charging, storage and manage inventory.

### 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
RF Output Power	<10mW (Low/Mid/High, switchable)
Sensitivity	Approx. -90dBm
Operating Range	Up to 100 meters
Frequency Response	50Hz~10KHz
LCD Display	Backlit LCD display
Automatic Shut-off Time	MTG-100R & MTG-100T: 10 minutes~42 hours (programmable)
Power Supply	MTG-100R & MTG-100T: Built-in rechargeable lithium battery
Operating Time	MTG-100R: Up to 14 hours
Dimensions	MTG-100R & MTG-100T: 45(W)x84(H)x21(D)mm
Weight	MTG-100R: 65g (rechargeable battery included) MTG-100T: 65g (rechargeable battery included)
PC Interface	Ethernet network interface & ACT-BUS static IP set up interface. (MTG-100R/T only)





**MTG-100R Digital Portable Receiver**

**Key Features**

- Durable, ultra-lightweight and pocket-sized housing.
- Extremely easy to use.
- 16 user selectable channels in the license-free ISM bands: EU 863~865MHz and USA 926~928MHz.
- Channel can be locked manually or via PC software to prevent accidental changes.
- Industry's only true diversity technology for best reception quality.
- Loud, crystal-clear audio & encrypted transmission, thanks to digital technology.
- Worn comfortably with an adjustable neck lanyards or fit inside any pocket.
- Accepts comfortable, E-10S stereo earphones or E-20S stereo headphones.
- Backlit LCD screen displays channel, battery & charging status, audio & RF signals.
- Programmable automatic shut-off timer conserves battery hours.
- Built-in high performance lithium polymer rechargeable battery.
- Up to 14-hour battery life per charge.



**MTG-100T Digital Portable Transmitter**

**Key Features**

- Durable, ultra-lightweight and pocket-sized housing.
- Extremely easy to use.
- 16 user selectable channels in the license-free ISM bands: EU 863~865MHz and USA 926~928MHz.
- Loud, crystal-clear audio & encrypted transmission, thanks to digital technology.
- Worn comfortably with an adjustable neck lanyards or fit inside any pocket.
- Backlit LCD screen display channel, battery status, RF & audio signals, gains level & RF power.
- Accepts MU-101P headworn microphone or MM-10 subminiature-mini gooseneck microphone (used as a handheld microphone).
- Accepts other audio sources, iPod/CD player for playback of pre-recorded material.
- Programmable automatic shut-off timer conserves battery hours.
- Built-in high performance lithium polymer rechargeable battery.
- Up to 12-hour battery life per charge

**Earphones**



**E-10S  
Stereo Earphones**



**E-20S  
Stereo Headphones**

**Microphones**



**MM-10  
Mini-gooseneck Microphone**



**MU-101P  
Headworn Microphone**

### MTG-100C-12 12-Slot Storage and Charger Carry Case

#### Key Features

- The protective case provides a convenient way to charge, carry and store your entire system.
- 12 slots for transmitter / receiver storage and charging.
- Quick-charge in < 4 hours.
- Each charging slot has separate "red" charging and "green" ready indicator.
- Innovative "Sync" button for automatic frequency synchronization from master to all MTG-100R receivers.
- Organize 10 earphones and 2 headset microphone neatly in one case.
- Built-in certified 100~250V AC switching power supply with well-vented design.
- 26-watt maximum power consumption.
- Net Weight: < 6kg Excluding systems and accessories.
- Dimensions: 403(W)×133(H)×306(D)mm



### MTG-100C-28 28-Slot Storage and Charger Carry Case

#### Key Features

- The protective case provides a convenient way to charge, carry and store your entire system.
- 28 slots for transmitter / receiver storage and charging.
- Quick-charge in < 4 hours.
- Each charging slot has separate "red" charging and "green" ready indicator.
- Innovative "Sync" button for automatic frequency synchronization from master to all MTG-100R receivers.
- Organize 24 earphones and 2 headset microphone neatly in one case.
- Built-in certified 100~250V AC switching power supply with well-vented design.
- 80-watt maximum power consumption.
- Net Weight: < 9kg Excluding systems and accessories.
- Dimensions: 530(W)×190(H)×330(D)mm



#### Price List

Part #	Description	Price Inc GST
MTG-100T	Tourguide Beltpack Transmitter, 16 selectable channels (4 can be used simultaneously), LCD Screen, integrated lithium-polymer battery for 13 hours of use, digital technology for crystal clear audio, encrypted. Use with MM10 mini-gooseneck mic or MU-101 headworn mic. Supplied with neckloop.	380.00
MTG-100R	Tourguide Beltpack Receiver 16 selectable channels (4 channels can be used simultaneously), LCD Screen, integrated lithium-polymer battery for 14 hours of use, digital technology for crystal clear audio, encrypted. Use with E-10S earphone or E-20S headphones. Supplied with neckloop.	297.00
MTG-100-C12	12 Slot Charger and Storage Case. Stores up to 12 beltpacks with room for accessories. Feature "Sync" button for auto synchronisation from master to all receivers.	1,453.00
MTG-100-C28	28 Slot Intelligent Charger and Storage Case. Stores up to 24 beltpacks with room for accessories. Feature "Sync" button for auto synchronisation from master to all receivers. Ethernet port for PC control via optional software.	2,432.00
MU-101	Headworn Microphone for MTG100T Beltpack Transmitter.	125.00
MM-10	Sub-miniature 9cm gooseneck microphone for MTG100T Beltpack Transmitter.	58.00
E-10S	Dual Earphones for MTG-100R Beltpack Receiver.	20.00
E-20S	Headphones for MTG-100R Beltpack Receiver.	38.00
<b>Accessories and Spares</b>		
E-10S-100S	Disposable Small Flex Sleeve for E-10S Earphones (pack of 100 pcs).	83.00
E-10S-100M	Disposable Medium Flex Sleeve for E-10S Earphones (pack of 100 pcs).	83.00
E-10S-100L	Disposable Large Flex Sleeve for E-10S Earphones (pack of 100 pcs).	83.00
E-20S-100	Disposable Ear Pad for E-20S Headphones (pack of 100 pcs).	90.00
E-10S-C5	Replacement Earphones Storage Case (pack of 5).	46.00
NL-5	Replacement Neck Lanyards for receiver or transmitter (pack of 5).	22.00
MTG-100-RB	Replacement Rechargeable Lithium Polymer Battery for MTG-100R or MTG-100T (1200mA/h).	68.00
PC-100S	PC control and networking software for MTG-100-C28 charger carry case.	330.00

All prices and specifications subject to change.