MIPRO®
MICROPHONE PROFESSIONALS

MTG-100

Digital Wireless Tour Guide System

GUIDED TOURS
ASSISTIVE LISTENING
LANGUAGE INTERPRETATION

MIPRO®
MICROPHONE PROFESSIONALS

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Conference

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 systems or mobile phones as it weights only 65 g / 2.3 oz (rechargeable battery included), it can easily be held with one hand, fit in a pocket or worn by a neck lanyard.

Employee Training

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.

Houses of Worship

New Psalmist Baptist Church Baltimore, Maryland, USA
Photographer: Michael Clark

Optimum Reception

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

Rechargeable Battery & 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

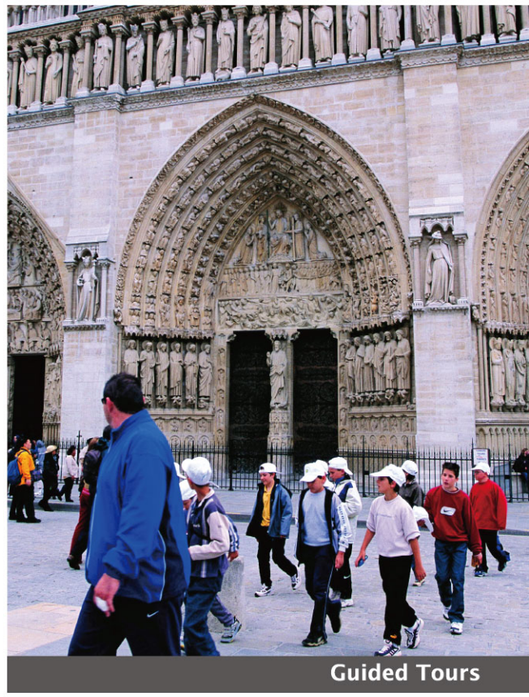
- Educational Institutions
- Corporate Meetings
- Training and Seminars
- Theaters
- Governmental Agencies
- Houses of Worship
- Conventions
- Auditoriums

Language Interpretation

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

Factory Tours

Courtroom


Guided Tours

Digital Portable Receiver **MTG-100R/MTG-100Ra**

Volume Control
1~20 levels

LCD Screen
Channel, battery & charging status, audio & RF signals

Rechargeable Battery
Up to 14-hour life per charge
or **Disposable Batteries**

3.5mm Mini-Jack
earphones or headphones

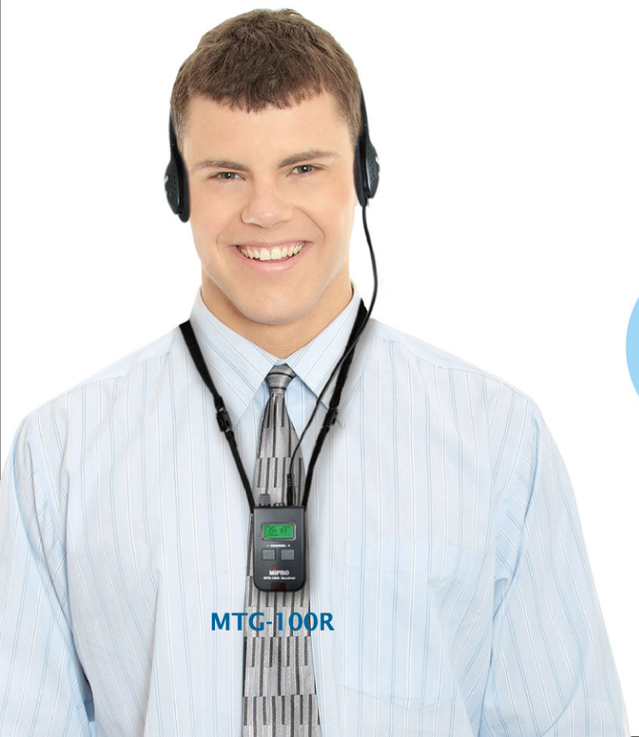
Channel Buttons
16 preset channels; Channel lock prevents changes

ACT Sync Port
ACT ™ syncs the transmitter and receiver frequency automatically

Rear View

MTG-100R

MTG-100Ra



MTG-100R

E-5S

E-10S

E-20S

Digital Portable Transmitter **MTG-100T/MTG-100Ta**

LCD Screen
Channel, battery status, RF & audio signals, gains level & RF power

ACT Sync Port
ACT ™ syncs the transmitter and receiver frequency automatically

3.5mm Mini-Jack
Secured screw-lock for microphone or line input

Programmable Parameters
Channel, Sensitivity level, Audio Input Source, RF Output Power

Rechargeable Battery
Up to 12-hour life per charge
or **Disposable Batteries**

Rear View

MTG-100T

MTG-100Ta

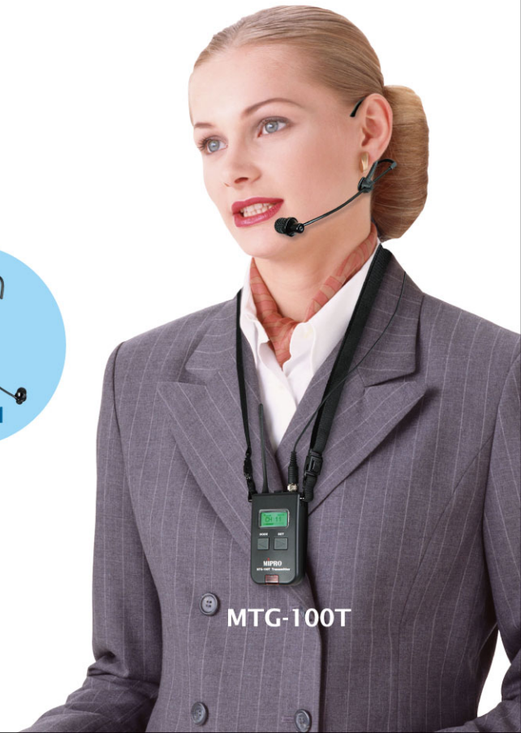
MU-53HNP

MU-23P

MU-101

MM-202P

MM-10



MTG-100T

STORAGE & CHARGER CARRY CASES

MTG-100C-12

MTG-100C-28

PC Interface

(for MTG-100C-28 only)
Ethernet network interface & ACT-BUS static IP set up interface.

ACCESSORIES

For MTG-100T / MTG-100Ta portable transmitter

MM-10
Omni-directional Mini-gooseneck Mic.

MM-202P
Uni-directional Mini-gooseneck Mic.

MU-101
Uni-directional Headworn Mic.

MU-23P
Omni-directional Headworn Mic.

MU-53HNP
Uni-directional Headworn Mic.

For MTG-100R / MTG-100Ra portable receiver

E-5S
Single Earphone

E-10S
Stereo Earphones

E-20S
Stereo Headphones

SPECIFICATIONS

Receiver & Transmitter	MTG-100R	MTG-100T	MTG-100Ra	MTG-100Ta
Frequency Range	CEPT/EU: 863~865 MHz / USA: 926~925 MHz			
Oscillation Mode	PLL Synthesized			
Preset Channels	16			
Switching Bandwidth	2MHz			
Channel Grid	125KHz			
RF Output Power	N/A	<10mW (Low / Mid / High, switchable)	N/A	<10mW (Low / Mid / High, switchable)
Sensitivity	Approx. -90dBm	N/A	Approx. -90dBm	N/A
Operating Range	Up to 100 meters / 330 feet (line-of-sight)			
Frequency Response	50Hz~10KHz			
Power Supply	Built-in high capacity lithium polymer rechargeable battery		2 x AA batteries	
Operating Hours	Up to 14 hours	Up to 12 hours	Up to 14 hours	Up to 12 hours
Automatic Shut-Off Time	10 minutes~42 hours (programmable)		6 hours (programmable)	
Dimensions (W × H × D)	45 × 84 × 21 mm / 1.8 × 3.3 × 0.8 "		45 × 84 × 28 mm / 1.8 x 3.3 x 1.1 "	
Weight	65 g / 2.3 oz (Li-poly battery included)		72 g / 2.54 oz (excluding AA batteries)	

Storage & Charger Carry Case	MTG-100C-12	MTG-100C-28
Charge Systems	12 (portable receivers and transmitters)	28 (portable receivers and transmitters)
Charging Time	< 4 hours	< 4 hours
Max. Power Consumption	26W	80W
Dimensions (W × H × D)	403 × 133 × 306 mm / 15.9 × 5.2 × 12 "	530 × 190 × 330 mm / 20.9 × 7.5 × 13 "
Net Weight	< 6 kg / 13 lbs	< 9 kg / 20 lbs
Ethernet Networking Interface	No	Yes
ACT-BUS static IP set up interface	No	Yes

Microphone	MM-10	MM-202P	MU-101	MU-23P	MU-53HNP
Capsule Module	4.5mmΦ omni-directional condenser mic.	10mmΦ uni-directional condenser mic.	10mmΦ uni-directional condenser mic.	3mmΦ omni-directional condenser mic.	10mmΦ uni-directional condenser mic.
Frequency Response	40Hz~20KHz	50Hz~18KHz	50Hz~18KHz	40Hz~20KHz	50Hz~18KHz±3dB
Maximum SPL	135dB (Typical, 1% T.H.D.)	142dB (Typical, 1% T.H.D.)	135dB (Typical, 1% T.H.D.)	138dB (Typical, 1% T.H.D.)	125dB (Typical, 1% T.H.D.)
Sensitivity	-49dBV±3dB at 1 KHz (0dB=1V / Pa)	-46dBV±3dB at 1 KHz (0dB=1V / Pa)	-49dBV±3dB at 1 KHz (0dB=1V / Pa)	-52dBV±3dB/Pa (0dB=1V / Pa)	-46dBV±3dBV/Pa (0dB=1V / Pa)
Plug	3.5mm mini jack screw-lock	3.5mm mini jack screw-lock	3.5mm mini jack screw-lock	3.5mm mini jack screw-lock	3.5mm mini jack screw-lock
Length	11 cm / 4.3"	13.6 cm / 5.4"	150 cm / 59.1" (cable only)	150 cm / 59.1" (cable only)	150 cm / 59.1" (cable only)
Weight	Approx. 8 g / 0.3 oz	Approx. 22 g / 0.8 oz	Approx. 24 g / 0.8 oz	Approx. 22 g / 0.8 oz	Approx. 30 g / 1.1 oz

Earphone	E-5S	E-10S	E-20S
Driver Unit	24mmΦ	10mmΦ	30mmΦ
Frequency Response	100Hz~2KHz	20Hz~15KHz	20Hz~20KHz
Sensitivity	108dB±3dB at 1mW	103dB±3dB at 1mW	105dB±3dB at 1mW
Max. Input Power	100mW	20mW	100mW
Impedance	32±15% Ω at 1KHz 1mW	16 Ω at 1KHz 1mW	24 Ω at 1KHz 1mW
Plug	3.5mm stereo mini jack	3.5mm stereo mini jack	3.5mm stereo mini jack
Cable Length	120 cm / 47.2"	R side: 40 cm + 55 cm / 15.7" + 21.7" L side: 10 cm+ 55 cm / 3.9" + 21.7"	120 cm / 47.2"
Weight	Approx. 10 g / 0.35 oz (cable included)	Approx. 20 g / 0.7 oz (cable included)	Approx. 80 g / 2.8 oz (cable included)