



WIRELESS GUIDE SYSTEM

**Ideal, easy-to-use system for on-site tours in noisy environments,
simultaneous interpretation and
extended listening coverage in difficult situations.**



System Features

- Transmits and receives on five channels on the 470MHz frequency band.
- The portable transmitter provides clear coverage over a 30 meter distance while the desk-top transmitter extends the distance to 70 meters.
- Input sensitivity control with six settings on the desk-top transmitter and two-step mic input sensitivity control on the portable transmitter for ideal transmission without any signal degradation.
- Desk-top transmitter transmit on/off operation controllable with external equipment.
- Battery indicator provides at-a-glimpse battery level status.
- Four different microphone options — paging, tie-clip, close-talking, and headset microphones to meet specific requirements.
- Paging microphone and close-talking microphone equipped with press-to-talk feature to reject ambient noise.
- Desk-top transmitter can be connected to external PA equipment for extending coverage area.

WIRELESS GUIDE SYSTEM



WM-2100
Portable
Transmitter
•5-channel



YP-M101
Tie-clip Microphone



YP-M201
Close-Talking Microphone



YP-M301
Headset Microphone



WT-2100
Portable
Receiver
•5-channel



YP-E401
Ear-Suspension
Earphone



PM-660
Paging Microphone

<https://trungchinhaudio.vn>

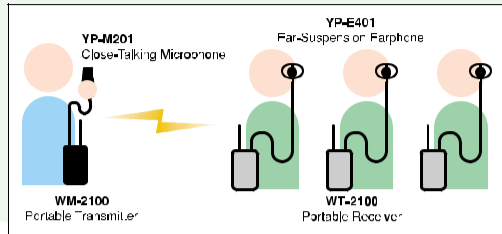
WM-2110
Desk-Top
Transmitter
•5-channel



System Applications

On-site Tours

Allows on-the-spot guidance and explanation to be easily provided. Ideal when touring noisy environments such as factories, plants and other industrial sites. Also useful for guided tours of museums and other quieter environments.

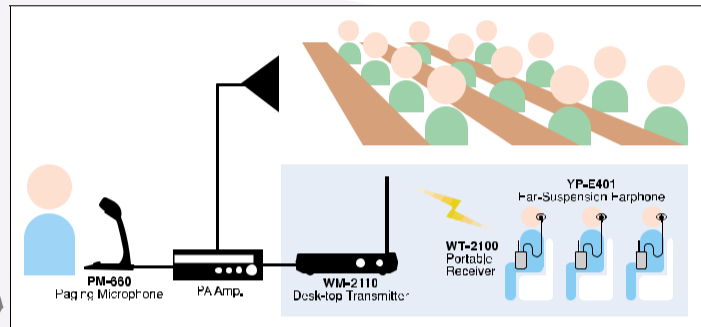
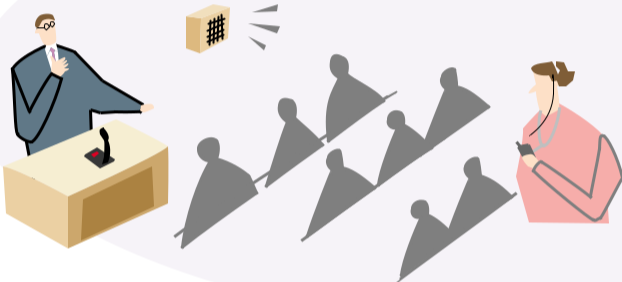


- Guide × 1 / Listener × 10**
 Portable Transmitter WM-2100 × 1
 Close-Talking Microphone YP-M201 × 1
 Portable Receiver WT-2100 × 10
 Ear-Suspension Earphone YP-E401 × 10



Listening-assistance

Useful when circumstances require listeners to be seated away from an area covered by sound reinforcement such as a PA. Also effective for helping hard-of-hearing listeners.



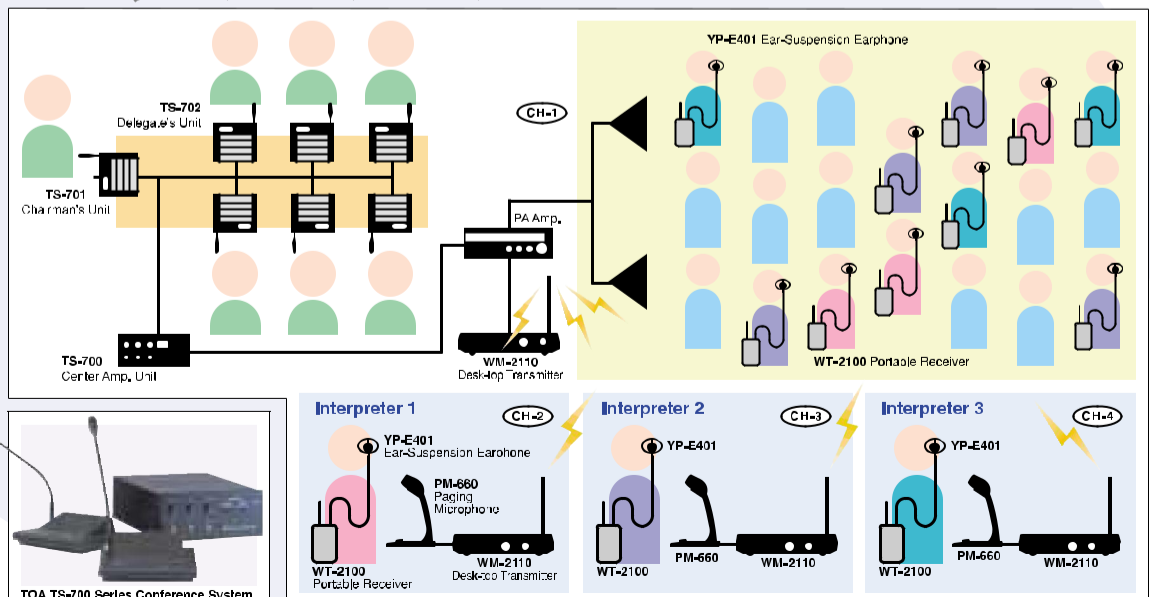
- Presenter × 1 / Listener × 10**
 Portable Transmitter WM-2110 × 1
 Paging Microphone PM-660 × 1
 Portable Receiver WT-2100 × 10
 Ear-Suspension Earphone YP-E401 × 10

Simultaneous Interpretation

Important tool for use in simultaneous interpreting situations with 5-channel capabilities allowing 5 different languages to be handled simultaneously.



- Interpreter × 3 / Listener × 30**
 Desk-top Transmitter WM-2110 × 4
 Paging Microphone PM-660 × 3
 Portable Receiver WT-2100 × 33
 Ear-Suspension Earphone YP-E401 × 33



SPECIFICATIONS

WM-2100 Portable Transmitter

| | |
|--------------------------|---|
| Power Requirement | 1.5 V DC (Battery) |
| Modulation | Frequency modulation |
| Transmitting Frequencies | 470 MHz band (5 ch) (470,075, 470,150, 470,275, 470,375, 470,625, 470,725 MHz) |
| RF Carrier Power | 2 mW |
| Oscillator | PLL synthesizer |
| Frequency Response | 200 – 5,000 Hz (Portable transmitter to Portable receiver) |
| Pre-emphasis | 50 µs |
| Input Level | -50 dB* (sensitivity Hi)/-44 dB* (sensitivity Low) |
| Battery Life | 15 hours (alkaline) |
| Battery | LR6 (1.5 V) × 1 |
| Operation Temperature | -10°C to +40°C |
| Finish | Resin, dark gray |
| Dimensions | 62 (W) × 163.6 (H) × 32.5 (D) mm |
| Weight | 115 g (battery included) |
| Accessory | Neck strap × 1 |

*0 dB = 0,775 V

WM-2110 Desk-Top Transmitter

| | |
|--------------------------|---|
| Power Requirement | 230 V AC, 50 Hz |
| Power Consumption | 2 W |
| Modulation | Frequency modulation |
| Transmitting Frequencies | 470 MHz band (5 ch) (470,075, 470,150, 470,275, 470,625, 470,725 MHz) |
| RF Carrier Power | 5 mW |
| Oscillator | PLL synthesizer |
| Frequency Response | 150 – 6,000 Hz (Desk-top transmitter to Portable receiver) |
| Pre-emphasis | 50 µs |
| Input Level (selectable) | Standard input: -54 dB*/-60 dB*/-66 dB* (Mic) -12 dB*/-15 dB*/-24 dB* (line) Maximum input: -30 dB*/-36 dB*/-42 dB* (Mic) +12 dB*/+6 dB*/0 dB* (line) Mic/line selection, 000 Ω, unbalanced, phone jack |
| Remote Input | Make contact input: Release voltage: 2 V DC short-circuit current: 0.2 mA loop resistance: under 100 Ω Remote control mode: Transmit radio signal when el make |
| Operation Temperature | -10°C to +40°C |
| Finish | ABS resin, dark gray |
| Dimensions | 140 (W) × 31 (H) × 110.5 (D) mm |
| Weight | 270 g |
| Accessory | AC-DC adapter (1.8 m) × 1, Screw driver × 1, 3-pole phone plug cord (2 m) × 1 |

*0 dB = 1 V

YP-M101 Tie-Clip Microphone

| | |
|---------------------|---|
| Type | Electret condenser type |
| Directivity | Unidirectional |
| Sensitivity | -46 dB (0 dB = 1 V/Pa, 1 kHz, load: 2 kΩ) |
| Maximum Input Level | 115 dB SPL |
| Terminal | ø3.5 mm monoaural plug |
| Finish | Dark gray |
| Weight | 20 g (cable included) |
| Accessory | Clip × 1 |

YP-M201 Close-talking Microphone

| | |
|---------------------|---|
| Type | Fleuret condenser type |
| Directivity | Unidirectional |
| Sensitivity | -57 dB (0 dB = 1 V/Pa, 1 kHz, load: 2 kΩ) |
| Maximum Input Level | 115 dB SPL |
| Switch | Press to talk switch (can be locked) |
| Terminal | ø3.5 mm stereo plug |
| Finish | Black |
| Weight | 20 g (cable included) |

YP-M301 Headset Microphone

| | |
|---------------------|---|
| Type | Electret condenser type |
| Directivity | Unidirectional |
| Sensitivity | -41 dB (0 dB = 1 V/Pa, 1 kHz, load: 2 kΩ) |
| Maximum Input Level | 117 dB SPL |
| Terminal | ø3.5 mm monoaural plug |
| Finish | Headband: ABS resin, black |
| Weight | 45 g |
| Accessory | Storage case × 1, Windscreen × 2 |

WT-2100 Portable Receiver

| | |
|-----------------------|--|
| Power Source | 1.5 V DC (Battery) |
| Receiving Frequencies | 470 MHz band (5 ch) (470,075, 470,150, 470,275, 470,625, 470,725 MHz) |
| Receiving System | Double superheterodyne |
| Receiving Sensitivity | Better than 25 dB S/N ratio (7 dBµV/100 Hz input, 11.7 kHz deviation) |
| Frequency Response | 200 – 5,000 Hz (Portable transmitter to Portable receiver) 150 – 6,000 Hz (Desk-top transmitter to Portable receiver) |
| De-emphasis | 50 µs |
| Output Level | 4 mW (16Ω load, 10% distortion) |
| Battery Life | 15 hours (alkaline) |
| Battery | LR6 (1.5 V) × 1 |
| Operation Temperature | -10°C to +40°C |
| Finish | Resin, dark silver |
| Dimensions | 62 (W) × 163.6 (H) × 32.5 (D) mm |
| Weight | 112 g (battery included) |
| Accessory | Neck strap × 1 |

*When using an earphone not made by TOA, use a one with a 3.5mm diameter plug and impedance of over 16Ω.

YP-E401 Ear-Suspension Earphone

| | |
|--------------------|--|
| Type | Dynamic type |
| Impedance | 16 Ω |
| Frequency Response | 300 – 15,000 Hz |
| Rated Sensitivity | 95 dB (0 dB = 2 X 10 ⁻⁵ Pa, 1 kHz, 10 mW) |
| Input | Max. 50 mW |
| Terminal | ø3.5 mm monoaural plug |
| Finish | Black |
| Weight | 17 g |
| Accessory | Ear-pads × 1, Suspension ring × 2 |

* Three different sizes are available for the suspension ring.
L: 60 x 47 mm
M: 64 x 45 mm
S: 60 x 43 mm

PM-660 Paging Microphone

| | |
|--------------------|--|
| Type | Dynamic (moving coil) |
| Polar Pattern | Cardioid |
| Rated Impedance | 600 Ω, unbalanced |
| Output Level | -58 dB (1 kHz, 0 dB = 1 V/Pa) |
| Frequency Response | 100 Hz – 10,000 Hz |
| Output | ø1.5 2-conductor shielded cable (2.5 m) with phone plug |
| Switch | 1 push-to-talk switch, 1 locking lever, Short-off type |
| Remote Control | Less than 500 mA at 30 V DC |
| Finish | Microphone head: Zinc plated steel wire, Baked paint, Gray Main unit: ABS resin, Gray |
| Dimensions | 100 (W) × 215 (H) × 150 (D) mm |
| Weight | 440 g (cable excluded) |

Distributed by:



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Specifications are subject to change without notice.
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