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
- 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.

<table>
<thead>
<tr>
<th>Guide × 1</th>
<th>Listener × 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portable Transmitter WM-2100 × 1</td>
<td></td>
</tr>
<tr>
<td>Close-Talking Microphone YP-M201 × 1</td>
<td></td>
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<tr>
<td>Portable Receiver WT-2100 × 10</td>
<td></td>
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<tr>
<td>Ear-Suspension Earphone YP-E401 × 10</td>
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</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Presenter × 1</th>
<th>Listener × 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portable Transmitter WM-2110 × 1</td>
<td></td>
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<tr>
<td>Paging Microphone PM-660 × 1</td>
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<tr>
<td>Portable Receiver WT-2100 × 10</td>
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<tr>
<td>Ear-Suspension Earphone YP-E401 × 10</td>
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</table>

**Simultaneous Interpretation**

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

<table>
<thead>
<tr>
<th>Interpreter × 3</th>
<th>Listener × 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desk-top Transmitter WM-2110 × 4</td>
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<tr>
<td>Paging Microphone PM-660 × 3</td>
<td></td>
</tr>
<tr>
<td>Portable Receiver WT-2100 × 33</td>
<td></td>
</tr>
<tr>
<td>Ear-Suspension Earphone YP-E401 × 33</td>
<td></td>
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</tbody>
</table>
### Specifications

#### WM-2100 Portable Transmitter
- **Power Requirement**: 1.5 V DC (Battery)
- **Modulation**: Frequency modulation
- **Transmitting Frequencies**: 470 MHz band (5 ch)
- **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 low)
- **Battery Life**: 18 hours (alkaline)
- **Dimensions**: 62 (W) × 163.6 (H) × 32.5 (D) mm
- **Weight**: 115 g (battery included)
- **Accessory**: Neck strap… 1

#### WT-2100 Portable Receiver
- **Power Source**: 1.5 V DC (Battery)
- **Receiving Frequencies**: 470 MHz band (5 ch)
- **Receiving System**: Double super heterodyne
- **Receiving Sensitivity**: Better than 25 dB
- **S/N ratio (7 dBµV/M):** input ±1.7 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**: 18 hours (alkaline)
- **Battery**: LR6 (1.5 V) × 1
- **Dimensions**: 62 (W) × 163.6 (H) × 32.5 (D) mm
- **Weight**: 112 g (battery included)
- **Accessory**: Neck strap… 1

#### WM-2110 Desk-Top Transmitter
- **Power Requirement**: 230 V AC, 50 Hz
- **Power Consumption**: 3 W
- **Modulation**: Frequency modulation
- **Transmitting Frequencies**: 470 MHz band (5 ch)
- **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)
- **Maximum input**: –30 dB*/–36 dB*/–42 dB* (Mic)
- **Mic/Line selection**: 600 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
- **Operation Temperature**: –10°C to +40°C
- **Finish**: Resin, dark gray
- **Dimensions**: 163.6 (H) × 169.5 (D) mm
- **Weight**: 270 g
- **Accessory**: AC-DC adapter (1.8 m)… 1, Screw driver… 1, 3-pole phone plug cord (2 m)… 1

#### YP-E401 Ear-Suspension Earphone
- **Type**: Dynamic type
- **Impedance**: 16 Ω
- **Frequency Response**: 100 Hz – 10,000 Hz
- **Rated Sensitivity**: 88 dB (0 dB= 2 X 10–5 Pa, 1 kHz, 10mW)
- **Input**: Max. 50 mW
- **Terminal**: ø3.5 mm monaural plug
- **Finish**: Black
- **Weight**: 17 g
- **Accessory**: Ear-pad… 1, Suspension ring*… 2

#### PM-660 Paging Microphone
- **Type**: Dynamic (moving coil)
- **Polar Pattern**: Cardioid
- **Rate Impedance**: 600 Ω, unbalanced
- **Rated Sensitivity**: –58 dB (1 kHz, 0 dB = 1 V/Pa)
- **Frequency Response**: 100 Hz – 10,000 Hz
- **Output**: ø4.5, 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 (cord excluded)

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