UHF Wireless Microphone System
5000 Series

Wireless Convenience with Newly Enhanced Versatility, Reliability and Cost Efficiency
Versatile High-Performance Microphone Systems

Strive to bring you high-performance, mobility and convenience. TOA is proud to introduce the widened range of 5000 Series wireless microphone system. There is definitely one that suits your need.

Product Features

- All UHF wireless microphone tuners employ Phase Locked Loop (PLL) synthesis for remarkably stable performance. Reliable wide-area coverage permitting use of up to 16 microphones within a radius of up to 120 meters from the YW-4500 UHF wireless antenna.

- Powered by rechargeable batteries which enable up to 13 hours of continuous usage before recharging.

- Extensive range of microphone selections to support every application need.

- A selection of three high-efficiency battery chargers for 2, 6, or 12 batteries and a single-battery microphone add further flexibility to the product line-up.

- Up to 64 selectable channels for WT-5800 & WT-5805. Up to 16 selectable channels for WT-5810 & WT-4820 wireless tuner.

- TOA true diversity (WT-5800) and space diversity (WT-5805) circuitry, a usable frequencies scanning and vacant channel search function.
### Handheld Microphone

**WM-5270**
- Dynamic microphone unit: Unidirectional
- 64 selectable channels
- Rolling stopper prevents the microphone from rolling
- Single AA battery operation for more compact and light weight body
- Built-in antenna

**WM-5225**
- Electret condenser microphone unit: Unidirectional
- 64 selectable channels
- ON/OFF switch prevents the microphone from rolling.
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna

**WM-5265**
- Dynamic microphone unit: Unidirectional
- 64 selectable channels
- ON/OFF switch prevents the microphone from rolling
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna

### Handheld Microphone

**WM-5225**
- Dynamic type
- Frequency response: 300 Hz - 15k Hz
- Terminal: Φ3.5mm monaural plug (16Ω, 3 pole)
- Suspension ring comes in three different sizes

### Beltpack Transmitter

**WM-5325**
- 64 selectable channels
- Maximum input level: -14 dB to -29 dB
- Built-in circuitry minimizes ambient noise effects
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Connector for ø3.5 mini-plugs
- Built-in antenna

### Lavalier Microphone

**YP-M5300**
- Unidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

**YP-M5310**
- Omnidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

### Headworn Microphone

**WH-4000H**
- Unidirectional electret condenser microphone

**WH-4000A**
- Unidirectional electret condenser microphone
  - Ideal for sports applications

### Wireless Lavalier Microphone

**WM-4300**
- Unidirectional electret condenser microphone element
- 64 selectable channels
- Input sensitivity control included
- Built-in circuitry minimizes ambient noise effects
- Highly reliable TA-4 (XLR-type) mini-cannon microphone plug
- Belt clip rotatable 360 degrees

### Wireless Portable Receiver

**WT-5100**
- Compatible to commercial earphone (Φ3.5mm, impedance: over 16Ω)
- Allow up to 16 different frequencies to be received by selection
- An optimized PLL-synthesizer minimizes the oscillation frequency drift resulting from the ambient temperature or voltage fluctuation
- WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- Built-in antenna

* When used with the YP-E6000 Assist Earphone, improves audibility for hearing impaired users by raising the frequency response above the standard level.

### Ear-Suspension Earphone

**YP-E401**
- Dynamic type
- Frequency response: 300 Hz - 15k Hz
- Terminal: Φ3.5mm monaural plug (16Ω, 2 pole)
- Suspension ring comes in three different sizes

### Assist Earphone

**YP-E5000**
- Dynamic type
- Frequency response: 300 Hz - 15k Hz
- Terminal: Φ3.5mm monaural plug (16Ω, 3 pole)
- Suspension ring comes in three different sizes
Receiver
WT-5800
- Up to 64 selectable frequencies
  (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Antenna distribution output
- Two-line LCD display
- Indication of transmitter’s battery life
- Half-rack size body

Receiver
WT-5805
- Up to 64 selectable frequencies
  (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Two-line LCD display
- Indication of transmitter’s battery life
- Half-rack size body

Receiver
WT-5810
- Up to 16 selectable frequencies
  (Up to 16 Simultaneous channels)
- Frequency scan function
- Adjustable 7-step squelch function
- Supplied audio mixing input and audio mixing output
- Antenna distribution output
- Indication of transmitter’s battery life
- Compact portable design

Receiver
WT-4820
- Up to 16 selectable frequencies
  (Up to 16 simultaneous channels)
- Modular dual channel receiver accepts up to two WTU-4800 Tuner Units
- Supplied audio mixing input and audio mixing output
- Antenna distribution output
- Half-rack size body
• 2 antenna inputs and 4 distributed outputs
• 2 inputs per antenna which are mixed for output (when 2 antennas are set up in a large room)
• Supplies power to antenna
• Compact 19” rack-mount design

• PLL synthesis double super-heterodyne diversity tuner module
• Squelch function mutes output to reduce noise
• Includes compander noise reduction to cut ambient RF noise
• Receiving frequency: 576 - 865 MHz

• AA nickel-metal hydride (Ni-MH) rechargeable battery
• For Wireless Microphones, Wireless Transmitter and Portable Receiver

• Number of wireless microphones to be charged simultaneously: 12
• Fully charges within 3 hours

• Number of wireless microphones to be charged simultaneously: 6
• Fully charges within 3 hours

• Number of wireless microphones to be charged simultaneously: 2
• Fully charges within 3 hours

Options

Waist Pouch
WH-4000P
• Contains 10 pieces

Windscreen
WH-4000S

Rack Mount Bracket
MB-15B
• For rack mounting one WD-5800

Rack Mount Bracket Kit
MB-WT3
• For rack mounting one WT-5800, WT-5805 and/or WT-4820 unit

Rack Mount Bracket Kit
MB-WT4
• For rack mounting two WT-5800, WT-5805 and/or WT-4820 unit
## Specifications

### Wireless Microphones

<table>
<thead>
<tr>
<th>Model</th>
<th>WM-5270</th>
<th>WM-5265</th>
<th>WM-5225</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microphone Element</strong>&lt;br&gt;Dynamic microphone: Unidirectional</td>
<td>Dynamic microphone: Cardioid</td>
<td>Electret condenser microphone: Unidirectional</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency Range</strong></td>
<td>576 - 865 MHz</td>
<td>576 - 937.5 MHz</td>
<td>576 - 937.5 MHz</td>
</tr>
<tr>
<td><strong>Channel Selectable</strong></td>
<td>64 channels¹¹</td>
<td>64 channels¹¹</td>
<td>128 channels¹¹</td>
</tr>
<tr>
<td><strong>Maximum Input Level</strong></td>
<td>142 dB SPL</td>
<td>132 dB SPL</td>
<td>126 dB SPL</td>
</tr>
<tr>
<td><strong>Battery</strong>&lt;br&gt;LR6 (AA)</td>
<td>LR6 (AA) or WB-2000 (Ni-MH battery)</td>
<td>LR6 (AA) or WB-2000 (Ni-MH battery)</td>
<td>LR6 (AA) or WB-2000 (Ni-MH battery)</td>
</tr>
<tr>
<td><strong>Battery Life</strong>&lt;br&gt;Approx. 10 hours when the alkaline battery is used</td>
<td>Approx. 13 hours when the WB-2000 is used&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Approx. 10 hours when the alkaline battery is used&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>Finish</strong>&lt;br&gt;Metal, Dark Grey</td>
<td>Resin, coating</td>
<td>Resin, coating</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong>&lt;br&gt;Φ 48 x 244 mm</td>
<td>Φ 50 x 229 mm</td>
<td>Φ 43.6 x 231.5 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong>&lt;br&gt;340 g (with battery)</td>
<td>205 g (with battery)</td>
<td>180 g (with battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Accessories</strong>&lt;br&gt;Microphone holder (with stand adapter), Storage case, Rolling stopper&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Microphone holder (with stand adapter), Storage case, Screw driver</td>
<td>Microphone holder (with stand adapter), Storage case, Screw driver</td>
<td></td>
</tr>
</tbody>
</table>

¹¹ The number of channels may differ from country to country.

### Wireless Transmitter

<table>
<thead>
<tr>
<th>Model</th>
<th>WM-5325</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range</strong></td>
<td>576 - 865 MHz&lt;sup&gt;1&lt;/sup&gt;, UHF</td>
</tr>
<tr>
<td><strong>Channel Selectable</strong></td>
<td>64 channels¹¹</td>
</tr>
<tr>
<td><strong>Maximum Input Level</strong></td>
<td>-14 dB to -29 dB&lt;sup&gt;5&lt;/sup&gt; (Audio level control: Min. to Max.)</td>
</tr>
<tr>
<td><strong>Battery</strong>&lt;br&gt;LR6 (AA) or WB-2000 (Ni-MH battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Battery Life</strong>&lt;br&gt;Approx. 10 hours when the alkaline battery is used</td>
<td>Approx. 13 hours when the WB-2000 is used</td>
</tr>
<tr>
<td><strong>Finish</strong>&lt;br&gt;Resin, coating (change other's)</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong>&lt;br&gt;62 (W) x 102.5 (H) x 23 (D) mm</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong>&lt;br&gt;90 g (with battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Accessories</strong>&lt;br&gt;Screw driver, Storage case, Neck Strap&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

### Microphone Options

<table>
<thead>
<tr>
<th>Model</th>
<th>YP-M5300</th>
<th>YP-M5310</th>
<th>WH-4000A</th>
<th>WH-4000H</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Microphone Element</strong>&lt;br&gt;Condenser microphone: Unidirectional</td>
<td>Condenser microphone: Omni directional</td>
<td>Condenser microphone: Unidirectional</td>
<td>Condenser microphone: Unidirectional</td>
<td></td>
</tr>
<tr>
<td><strong>Sensitivity</strong>&lt;br&gt;-63 dB ±3 dB (0 dB=1V/0.1 pa, 1kHz)</td>
<td>-64 dB ±3 dB (0 dB=1V/0.1 pa, 1kHz)</td>
<td>-66 dB ±3 dB (0 dB=1V/0.1 pa, 1kHz)</td>
<td>-66 dB ±3 dB (0 dB=1V/0.1 pa, 1kHz)</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency Response</strong>&lt;br&gt;100 Hz - 12,000 Hz</td>
<td>100 Hz - 15,000 Hz</td>
<td>120 dB SPL</td>
<td>120 dB SPL</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Input Level</strong>&lt;br&gt;120 dB SPL</td>
<td>110 dB SPL</td>
<td>120 dB SPL</td>
<td>120 dB SPL</td>
<td></td>
</tr>
<tr>
<td><strong>Cord Length</strong>&lt;br&gt;1.3 m</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector</strong>&lt;br&gt;Φ 3.5 mm mini plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Finish</strong>&lt;br&gt;Dark Black</td>
<td>Dark Black</td>
<td>Headband: EVA, black</td>
<td>Frame: Stainless, black (Silicon rubber)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong>&lt;br&gt;20 g (cable included)</td>
<td>50 g (cable included)</td>
<td>Gooseneck: Black (shrink tube)</td>
<td>Gooseneck: Black (shrink tube)</td>
<td></td>
</tr>
</tbody>
</table>

### Portable Receiver

<table>
<thead>
<tr>
<th>Model</th>
<th>WT-5100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Source</strong>&lt;br&gt;1.5 V DC(Battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Receiving Frequency</strong>&lt;br&gt;576 - 865 MHz</td>
<td></td>
</tr>
<tr>
<td><strong>Channel Selectable</strong>&lt;br&gt;16 selectiable frequencies</td>
<td></td>
</tr>
<tr>
<td><strong>Receiving System</strong>&lt;br&gt;Double super-heterodyne</td>
<td></td>
</tr>
<tr>
<td><strong>Receiving Sensitivity</strong>&lt;br&gt;60 dB or more, Signal to noise ratio (20 dBV input, ±40 kHz deviation)</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency Response</strong>&lt;br&gt;200 Hz - 5 kHz (Portable transmitter to portable receiver)</td>
<td></td>
</tr>
<tr>
<td><strong>Battery</strong>&lt;br&gt;LR6 (AA) or WB-2000 (Ni-MH battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Battery Life</strong>&lt;br&gt;Approx. 13 hours when the WB-2000 is used&lt;sup&gt;1&lt;/sup&gt;, Approx. 10 hours when the alkaline battery is used&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>Finish</strong>&lt;br&gt;Resin, dark silver</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong>&lt;br&gt;62 (W) x 163.6 (H) x 32.5 (D) mm</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong>&lt;br&gt;132 g (with battery)</td>
<td></td>
</tr>
<tr>
<td><strong>Accessories</strong>&lt;br&gt;Neck Strap x 1</td>
<td></td>
</tr>
</tbody>
</table>
Wireless Receivers

<table>
<thead>
<tr>
<th>Power Requirement</th>
<th>WT-5800</th>
<th>WT-5805</th>
<th>WT-5810</th>
<th>WT-4820</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC mains (AC Adapter must be used)</td>
<td>12 V DC (optional AC Adapter AD-5000-6 must be used)</td>
<td>12 V DC (optional AC Adapter AD-5000-2 must be used)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.4 A</td>
<td>4.4 A</td>
<td>2.2 A</td>
<td>2.2 A</td>
</tr>
<tr>
<td>Charging Time</td>
<td>Max. 3h</td>
<td>Max. 3h</td>
<td>700 mA</td>
<td>700 mA</td>
</tr>
<tr>
<td>Number of Wireless Microphone to Be Charged Simultaneously</td>
<td>12</td>
<td>6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Finish</td>
<td>Case: Steel plate, black, paint</td>
<td>Microphone receptacle section: ABS resin, black</td>
<td>Case: Steel plate, black, paint</td>
<td>Microphone receptacle section: PPE resin, black</td>
</tr>
<tr>
<td>Dimensions</td>
<td>390 (W) x 118 (H) x 246 (D) mm</td>
<td>390 (W) x 118 (H) x 131 (D) mm</td>
<td>238 (W) x 105 (H) x 98 (D) mm</td>
<td>238 (W) x 105 (H) x 98 (D) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3.4 kg (with mounting adapters)</td>
<td>2 kg (with mounting adapters)</td>
<td>500 g (with mounting adapters)</td>
<td>500 g (with mounting adapters)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Mounting adapter x 12</td>
<td>Mounting adapter x 6</td>
<td>Mounting adapter x 2</td>
<td>Mounting adapter x 2</td>
</tr>
</tbody>
</table>

Battery Chargers

<table>
<thead>
<tr>
<th>Type</th>
<th>BC-5000-12</th>
<th>BC-5000-6</th>
<th>BC-5000-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirement</td>
<td>12 V DC</td>
<td>12 V DC</td>
<td>12 V DC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>4.4 A</td>
<td>4.4 A</td>
<td>2.2 A</td>
</tr>
<tr>
<td>Charging Time</td>
<td>Max. 3h</td>
<td>Max. 3h</td>
<td>700 mA</td>
</tr>
<tr>
<td>Number of Wireless Microphone to Be Charged Simultaneously</td>
<td>12</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Finish</td>
<td>Case: Steel plate, black, paint</td>
<td>Microphone receptacle section: ABS resin, black</td>
<td>Case: Steel plate, black, paint</td>
</tr>
<tr>
<td>Dimensions</td>
<td>390 (W) x 118 (H) x 246 (D) mm</td>
<td>390 (W) x 118 (H) x 131 (D) mm</td>
<td>238 (W) x 105 (H) x 98 (D) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3.4 kg (with mounting adapters)</td>
<td>2 kg (with mounting adapters)</td>
<td>500 g (with mounting adapters)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Mounting adapter x 12</td>
<td>Mounting adapter x 6</td>
<td>Mounting adapter x 2</td>
</tr>
</tbody>
</table>

Earphones

<table>
<thead>
<tr>
<th>Type</th>
<th>YP-E401</th>
<th>YP-E5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic type</td>
<td>Dynamic type</td>
<td>Dynamic type</td>
</tr>
<tr>
<td>Impedance</td>
<td>16Ω</td>
<td>16Ω</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>300 Hz - 15 kHz</td>
<td>300 Hz - 15 kHz</td>
</tr>
<tr>
<td>Input</td>
<td>Max. 50 mW</td>
<td>Max. 50 mW</td>
</tr>
<tr>
<td>Terminal</td>
<td>Ø 3.5 mm mini plug (3-pole)</td>
<td>Ø 3.5 mm monaural plug</td>
</tr>
<tr>
<td>Finish</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Weight</td>
<td>17 g</td>
<td>17 g</td>
</tr>
<tr>
<td>Accessories</td>
<td>Ear-pad x 1, Suspension ring x 2</td>
<td>Ear-pad x 1, Suspension ring x 2</td>
</tr>
</tbody>
</table>
UHF Wireless Microphone Sets

WS-5225
Combination includes:
• WM-5225
• WT-5810

WS-5265
Combination includes:
• WM-5265
• WT-5810

WS-5325U
Combination includes:
• WM-5325
• YP-M5300
• WT-5810

WS-5325M
Combination includes:
• WM-5325
• YP-M5310
• WT-5810

WS-5325H
Combination includes:
• WM-5325
• WH-4000H
• WT-5810

Specifications are subject to change without notice. (1808) 833-61-777-6H