WIRELESS SYSTEM

With advanced wireless technology, JTS wireless systems outperform many other wireless systems in and above their price range. PLL technology provides great freedom from RF interference, and outstanding signal reliability allows a maximized numbers of systems working simultaneously.

The true diversity design detects and selects a stronger signal from two independent radio receivers for optimal reception and freedom from dropouts.

As always JTS' famous microphone capsules assure the audio performance when you go wireless.

The world’s first JTS patterned “REMOSET” function allows automatic remote control frequency settings of the transmitter from the receiver.
US-36G2  2012 NEW
UHF PLL Single Channel True Diversity Receiver
US-36G2 / Mh-36G2 / PT-36G2, 2nd generation true diversity system
Based on the legendary US-901 wireless system US-36G2 incorporates latest wireless technology to provide users with completely new wireless experience.

- True Diversity
- UHF 36 MHz bandwidth
- 1441 selectable channels and preset 6 groups each of up to 23 channels
- Auto Scan function is provided
- Hi/Low transmission power selector is available
- Operation distance from 200 to 480 meters correspond to Hi and Low transmission power.

Mh-36G2  2012 NEW
UHF PLL Handheld Transmitter
* 1441 Selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuitry ensures stable signal transmission.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Internal antenna design.

PT-36G2  2012 NEW
UHF PLL Body-Pack Transmitter
* Phase-locked Loop (PLL) synthesized tuner.
* Powered by 2 x AA batteries with 12 hrs. average battery life.
* Equipped with 4 Pin Mini XLR connector.
* Heavy Duty plastic case.
* LCD display with channel and battery life indicator, ID number.
* The "lock-on" function prevents tampering and RF interruption.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Compatible with Guitar cable and wireless instrument microphones.

<table>
<thead>
<tr>
<th>Model</th>
<th>US-36G2</th>
<th>Mh-36G2</th>
<th>PT-36G2</th>
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<tbody>
<tr>
<td>Frequency Preparation</td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
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<tr>
<td>Carrier Frequency Range</td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
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<tr>
<td>S/N Ratio</td>
<td>&gt; 105dB</td>
<td>&gt; 105dB</td>
<td>&gt; 105dB</td>
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<tr>
<td>T.H.D.</td>
<td>&lt; 0.6% @ 1KHz</td>
<td>&lt; 0.6% @ 1KHz</td>
<td>&lt; 0.6% @ 1KHz</td>
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<tr>
<td>Display</td>
<td>LCD / LED</td>
<td>LCD / LED</td>
<td>LCD / LED</td>
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<tr>
<td>Display Contents</td>
<td>Frequency, Antenna A/B, Mute Display, Battery Fuel Gauge</td>
<td>Frequency, Antenna A/B, Mute Display, Battery Fuel Gauge</td>
<td>Frequency, Antenna A/B, Mute Display, Battery Fuel Gauge</td>
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<tr>
<td>Controls</td>
<td>Power On/Off, Frequency Up/Down, Frequency Scan, Audio Level, Lock-on</td>
<td>Power On/Off, Frequency Up/Down, Frequency Scan, Audio Level, Lock-on</td>
<td>Power On/Off, Frequency Up/Down, Frequency Scan, Audio Level, Lock-on</td>
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<tr>
<td>Audio Output Level</td>
<td>-12dB</td>
<td>-12dB</td>
<td>-12dB</td>
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<td>AF Output Impedance</td>
<td>600Ω</td>
<td>600Ω</td>
<td>600Ω</td>
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<tr>
<td>Squelch</td>
<td>Pilot Tone &amp; Noise Mute</td>
<td>Pilot Tone &amp; Noise Mute</td>
<td>Pilot Tone &amp; Noise Mute</td>
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<td>Operation Voltage</td>
<td>12-18 VDC, 200mA</td>
<td>12-18 VDC, 200mA</td>
<td>12-18 VDC, 200mA</td>
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<td>Output Connector</td>
<td>1 XLR Balanced Socket, 1 Ø6.3mm Unbalanced phone jack</td>
<td>1 XLR Balanced Socket, 1 Ø6.3mm Unbalanced phone jack</td>
<td>1 XLR Balanced Socket, 1 Ø6.3mm Unbalanced phone jack</td>
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<tr>
<td>Dimension (m/m)</td>
<td>212.3mm (W) * 38.3mm (H) * 144mm (D)</td>
<td>212.3mm (W) * 38.3mm (H) * 144mm (D)</td>
<td>212.3mm (W) * 38.3mm (H) * 144mm (D)</td>
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</table>
Wireless Microphone System

IN164R

UHF PLL Single Channel Diversity Receiver

The JTS IN SERIES UHF Diversity Wireless System features the World’s First Remote Control RF setting function that allows automatic remote control frequency settings of the Transmitter from the Receiver.

* REMOTE Patent pending: uses a RF signal to send frequency change settings from the IN SERIES receiver to the transmitter in a fraction of a second.

* 200~480 meters operation distance.

* LCD Displays: RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection.

* IN164R is single channel version of IN264R.

* IN164R with bandwidth of 36 MHz.

* Preset 6 groups, maximum 23 channels in one group.

IN264TH

UHF PLL Handheld Transmitter

* Phase-locked Loop (PLL) synthesized tuner.

* Powered by 2 x AA batteries with 12 hrs. average battery life.

* Heavy Duty plastic case.

* LCD display with channel and battery life indicator, ID number.

* The “lock-on” function prevents tampering and RF interruption.

* Extended dynamic range and smooth frequency response.

* Noise mute and tone-key squelch.

* The IN264TH Handheld Transmitter features JTS’s New SAM-8W mic capsule for high gain before feedback and super low handling noise.

* Interchangeable capsule module for either condenser or dynamic capsule.

* Internal antenna design.

IN264TB

UHF PLL Body-Pack Transmitter

* Phase-locked Loop (PLL) synthesized tuner.

* Powered by 2 x AA batteries with 12 hrs. average battery life.

* Equipped with 4 Pin Mini XLR connector.

* Heavy Duty plastic case.

* LCD display with channel and battery life indicator, ID number.

* The “lock-on” function prevents tampering and RF interruption.

* Extended dynamic range and smooth frequency response.

* Noise mute and tone-key squelch.

* Compatible with Guitar cable and wireless instrument microphones.

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**IN164R**

**Model:** PLL Synthesized Control

**Frequency Preparation:** PLL Synthesized Control

**RemoSet:** Radio Frequency: 2.4GHz

**Effective Distance:** 10m

**Carrier Frequency Range:** 360MHz within 502~960 MHz

**S/N Ratio:** >105dB

**T.H.D.:** <0.6%@1KHz

**Display:** LCD

**Display Contents:** RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection

**Controls:** Power On/Off, Frequency Up/Down, Lock-on, ID Pairing, RemoSet

**Audio Output Level:** -12dB

**AF Output Impedance:** 600Ω

**Squelch:** Pilot Tone & Noise Mute

**Operation Voltage:** 12-18VDC, 500mA

**Output Connector:** 1 XLR Balanced Socket

**Dimension:** 210mm(H) * 40mm(W) * 165.5mm(D)

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**IN264TH**

**Model:** PLL Synthesized Control

**Frequency Preparation:** PLL Synthesized Control

**Carrier Frequency Range:** 502~960 MHz

**RF Outputs:** 10mW / 50mW (Depend on Local Regulation)

**Stability:** ±48KHz

**Frequency Deviation:** ±48KHz

**LCD Display:** Channel, Battery Fuel Gauge, ID Number

**Controls:** Power On/Off, AF Level, Frequency Up/Down, PAD, Gain Control, ID Pairing, Lock-on Mode

**Output connector:** 4P mini XLR

**Spurious Emissions:** <-50 dBc

**Audio Frequency Response:** 50~16,000 Hz

**Battery:** UM3, AA 1.5V*2

**Dimension:** 68.6 x 32 x 100mm

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**IN264TB**

**Model:** PLL Synthesized Control

**Frequency Preparation:** PLL Synthesized Control

**Carrier Frequency Range:** 502~960 MHz

**RF Outputs:** 10mW / 50mW (Depend on Local Regulation)

**Stability:** ±48KHz

**Frequency Deviation:** ±48KHz

**LCD Display:** Channel, Battery Fuel Gauge, ID Number

**Controls:** Power On/Off, AF Level, Frequency Up/Down, Lock-on Mode, ID Pairing

**Output connector:** 4P mini XLR

**Spurious Emissions:** <-50 dBc

**Audio Frequency Response:** 40~18,000 Hz

**Battery:** UM3, AA 1.5V*2

**Dimension:** 68.6 x 32 x 100mm
IN264R  UHF PLL Dual Channel Diversity Receiver

The JTS IN SERIES UHF Diversity Wireless System features * REMOTE* the World’s First Remote Control RF setting function that allows automatic remote control frequency settings of the Transmitter from the Receiver.

* (patent pending): uses a RF signal to send frequency change settings from the IN SERIES receiver to the transmitter in a fraction of a second.
* LCD Displays: RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection.
* The IN264TH Handheld Transmitter features JTS’s New SAM-8W mic capsule for high gain before feedback and super low handling noise.
* IN264R with band width of 36 MHz.
* IN264R with preset 6 groups, maximum 23 channels in one group.

IN264TB  UHF PLL Body-Pack Transmitter

* Phase-locked Loop (PLL) synthesized tuner.
* Powered by 2 x AA batteries with 12 hrs. average battery life.
* Heavy Duty plastic case.
* LCD display with channel and battery life indicator, ID number.
* The “lock-on” function prevents tampering and RF interruption.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* The IN264TH Handheld Transmitter features JTS’s New SAM-8W mic capsule for high gain before feedback and super low handling noise.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design.

IN264TH  UHF PLL Handheld Transmitter

* Phase-locked Loop (PLL) synthesized tuner.
* Powered by 2 x AA batteries with 12 hrs. average battery life.
* Heavy Duty plastic case.
* LCD display with channel and battery life indicator, ID number.
* The “lock-on” function prevents tampering and RF interruption.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* The IN264TH Handheld Transmitter features JTS’s New SAM-8W mic capsule for high gain before feedback and super low handling noise.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design.

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<table>
<thead>
<tr>
<th>Model</th>
<th>IN264R</th>
<th>IN264TH</th>
<th>IN264TB</th>
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<tbody>
<tr>
<td>Frequency Preparation</td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
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<tr>
<td>Carrier Frequency Range</td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
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<td>RF Outputs</td>
<td>10mW / 50mW</td>
<td>10mW / 50mW</td>
<td>10mW / 50mW</td>
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<tr>
<td>Stability</td>
<td>±10KHz</td>
<td>±10KHz</td>
<td>±10KHz</td>
</tr>
<tr>
<td>Frequency Deviation</td>
<td>±48KHz</td>
<td>±48KHz</td>
<td>±48KHz</td>
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<tr>
<td>Display</td>
<td>LCD</td>
<td>LCD</td>
<td>LCD</td>
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<tr>
<td>Display Contents</td>
<td>RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection</td>
<td>RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection</td>
<td>RF Level, Audio Level, Low Battery Indicator, Antenna Status, Channel Selection</td>
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<td>Output connector</td>
<td>4P mini XLR</td>
<td>4P mini XLR</td>
<td>4P mini XLR</td>
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<tr>
<td>Spurious Emissions</td>
<td>&lt;-50 dBc</td>
<td>&lt;-50 dBc</td>
<td>&lt;-50 dBc</td>
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<tr>
<td>Audio Frequency Response</td>
<td>50~16,000 Hz</td>
<td>50~16,000 Hz</td>
<td>50~16,000 Hz</td>
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<tr>
<td>Battery</td>
<td>UM3, AA 1.5V*2</td>
<td>UM3, AA 1.5V*2</td>
<td>UM3, AA 1.5V*2</td>
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<tr>
<td>Dimension(m/m)</td>
<td>420mm(W) * 44mm(H) * 211mm(D)</td>
<td>420mm(W) * 44mm(H) * 211mm(D)</td>
<td>420mm(W) * 44mm(H) * 211mm(D)</td>
</tr>
</tbody>
</table>
**IN64R**  
UHF PLL Single Channel Diversity Receiver  
* PLL Synthesized Control  
* Radio Frequency: 2.4GHz  
* Effective distance: 10m  
* Carrier Frequency Range: 502–960 MHz  
* S/N Ratio: >106dB  
* T.H.D.: <0.5%@1kHz  
* Display: LCD  
* Display Contents: Channel, Antenna A/B, Mute Display, RF/AF Level Meter, Low battery, ID Number  
* Controls: Power On/Off, Frequency Up/Down, Audio Level, Lock-on, ID Pairing, Remoset  
* Audio Output Level: -12dB  
* AF Output Impedance: 600Ω  
* Squelch: Pilot Tone & Noise Mute  
* Operation Voltage: 12–18VDC, 250mA  
* Output Connector: 1 XLR Balanced Socket, 1 Ø6.3mm unbalanced phone jack  
* Dimension (mm): 210(W) * 40(H) * 165.5mm(D)  

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**IN64TH**  
UHF PLL Handheld Transmitter  
* 64 selectable channels.  
* Phase-locked Loop (PLL) synthesized tuner.  
* Powered by 2 x AA batteries with 12 hrs. average battery life.  
* Heavy Duty plastic case.  
* LCD display with channel and battery life indicator, ID number.  
* The “lock-on” function prevents tampering and RF interruption.  
* Extended dynamic range and smooth frequency response.  
* Noise mute and tone-key squelch.  
* Interchangeable capsule module for either condenser or dynamic capsule.  
* Internal antenna design.  

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**IN64TB**  
UHF PLL Body-Pack Transmitter  
* Phase-locked Loop (PLL) synthesized tuner.  
* Powered by 2 x AA batteries with 12 hrs. average battery life.  
* Equipped with 4 Pin Mini XLR connector.  
* Heavy Duty plastic case.  
* LCD display with channel and battery life indicator, ID number.  
* The “lock-on” function prevents tampering and RF interruption.  
* Extended dynamic range and smooth frequency response.  
* Noise mute and tone-key squelch.  
* Compatible with Guitar cable and wireless instrument microphones.
US-1000D
UHF PLL Single Channel True Diversity Receiver

* Single Transmitter operation.
* PLL synthesized technology with 961 selectable UHF channels.
* Preset 4 groups each of 16 UHF channels.
* True diversity technology prevents RF dropouts.
* Equipped with S.A.W. filter for interference free operation.
* Built-in noise mute and tone-key squelch.
* “Lock-on” mode avoids accidental changes of frequency, sensitivity and power-off.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Tuned antennas for the most stable RF reception.
* Compact half rack space design with metal receiver housing.

Mh-8990i
UHF PLL Handheld Transmitter

* 961 selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuit design ensures stable signal transmission.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design.
* The “lock-on” function prevents tampering and RF interruption.

PT-990B / PT-990Bmi
UHF PLL Body-Pack Transmitter

* 961 Selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Powered by 2 x AA batteries with 12 hrs. average battery life.
* Equipped with 4 Pin Mini XLR connector.
* Heavy Duty metal case.
* LCD display with frequency, battery life indicator.
* The “lock-on” function mode prevents tampering and RF interruption.
* PT-990Bmi provides a wireless solution for miking most musical instruments.

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>RF Outputs</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>LCD Display</th>
<th>Controls</th>
<th>Audio Output Level</th>
<th>AF Output Impedance</th>
<th>Squelch</th>
<th>Operation Voltage</th>
<th>Output Connector</th>
<th>Dimension(mm)</th>
</tr>
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<tbody>
<tr>
<td>US-1000D</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>&gt; 105dB</td>
<td>&lt;0.6%@1KHz</td>
<td>LCD</td>
<td>Frequency, Antenna A/B, Mute, Display, RF/AF Level Meter, Battery Fuel Gauge</td>
<td>Power On/Off, Frequency Up/Down, Frequency Scan, Audio Level, Lock-on</td>
<td>-12 dB</td>
<td>600Ω</td>
<td>12-18VDC, 250mA</td>
<td>1 XLR Balanced Socket</td>
<td>212mm(W) * 40mm(H) * 137mm(D)</td>
<td></td>
</tr>
<tr>
<td>Mh-8990i</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>Frequency, Battery Fuel Gauge, Sensitivity</td>
<td>Power On/Off, Mode Setting, AF Level, Frequency Up/Down, Lock-on Mode</td>
<td>-60 dBC</td>
<td>50~16,000 Hz</td>
<td>UM3, AA 1.5V*2</td>
<td>4P mini XLR</td>
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<td>PT-990Bmi</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>Frequency, Battery Fuel Gauge</td>
<td>Power On/Off, AF Level, Frequency Up/Down, Lock-on Mode</td>
<td>-50 dBC</td>
<td>40~18,000 Hz</td>
<td>UM3, AA 1.5V*2</td>
<td>4P mini XLR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
US-9001D  UHF PLL Single Channel True Diversity Receiver

* Single Transmitter operation.
* PLL synthesized technology with 193 selectable UHF channels.
* True diversity technology prevents RF dropouts.
* Equipped with S.A.W. filter for interference free operation.
* Built-in Mute, Noise and tone-key squelch.
* "Lock-on" mode avoids accidental changes of frequency, sensitivity and power-off.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Tuned antennas for the most stable RF reception.
* Compact half rack space design with all metal receiver housing.

Mh-8900i  UHF PLL Handheld Transmitter

* 193 selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuit design ensures stable signal transmission.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design benefits unique styling.
* The "lock-on" function prevents tampering and RF interruption.

PT-950B / PT-950Bmi  UHF PLL Body-Pack Transmitter

* 193 Selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Powered by 2 x AA batteries with 12 hrs. average battery life.
* 4 Pin Mini XLR connector.
* Heavy Duty metal case.
* LCD display.
* The "lock-on" function prevents tampering and RF interruption.
* PT-950Bmi offers a wireless solution for most musical instruments.

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>RF Outputs</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>LCD Display</th>
<th>Controls</th>
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</thead>
<tbody>
<tr>
<td>US-9001D</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>Frequency, Antenna A/B, Mute Display, RF/AF Level Meter, Battery Fuel Gauge</td>
<td></td>
</tr>
<tr>
<td>Mh-8900i</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>Frequency, Battery Fuel Gauge, Sensitivity</td>
<td></td>
</tr>
<tr>
<td>PT-950B / PT-950Bmi</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>Frequency, Battery Fuel Gauge</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>Mute Display</th>
<th>Controls</th>
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<tbody>
<tr>
<td>US-9001D</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>LCD</td>
<td>Power On/Off, Frequency Up/Down, AF Level, Lock-on Mode</td>
</tr>
<tr>
<td>Mh-8900i</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>LCD</td>
<td>Power On/Off, AF Level, Frequency Up/Down, Lock-on Mode</td>
</tr>
<tr>
<td>PT-950B / PT-950Bmi</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>±10kHz</td>
<td>±48KHz</td>
<td>LCD</td>
<td>4P mini XLR, Power On/Off, Mode Setting, AF Level, Frequency Up/Down, Lock-on Mode</td>
</tr>
</tbody>
</table>

Audio Frequency Response

| US-9001D       | 50~16,000 Hz          | UM3, AA 1.5V*2          |
| Mh-8900i       | 50~16,000 Hz          | UM3, AA 1.5V*2          |
| PT-950B / PT-950Bmi | 50~18,000 Hz          | UM3, AA 1.5V*2          |
US-901D
UHF PLL Single Channel True Diversity Receiver

- Single Transmitter operation.
- PLL synthesized technology with 193 selectable UHF channels.
- True Diversity Technology prevents dropouts in the RF link.
- Equipped with S.A.W. filter for interference free operation.
- Built-in mute, Noise and tone-key squelch.
- "Lock-on" mode avoids accidental changes of frequency, sensitivity and power-off.
- Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
- "Lock-on" function prevents tampering and RF interruption.
- Compact half rack space design with all metal receiver housing.

Mh-950 / Mh-960(Option)
UHF PLL Handheld Transmitter

- 193 Selectable channels.
- Phase-locked Loop (PLL) synthesized tuner.
- Advanced circuitry ensures stable signal transmission.
- Extended dynamic range and smooth frequency response.
- Noise mute and tone-key squelch.
- Interchangeable capsule module for either condenser or dynamic capsule.
- Internal antenna design.
- The "lock-on" function prevents tampering and RF interruption.

PT-950B / PT-950Bmi
UHF PLL Body-Pack Transmitter

- PLL Synthesized Control
- 502~960 MHz
- > 105dB
- <0.6%@1KHz
- LCD
- Frequency, Antenna A/B, Mute Display, RF/AF Level Meter, Battery Fuel Gauge
- Power On/Off, Frequency Up/Down, Frequency Scan, Audio Level, Lock-on
- -12dB
- 600Ω
- Pilot Tone & Noise Mute
- 12-18 VDC, 200mA
- 1 XLR Balanced Socket
- 1 Ø6.3mm Unbalanced phone jack
- 212mm (W)* 40mm (H)* 125mm (D)
**US-903DC Pro**
UHF PLL Dual Channel Diversity Receiver

* Preset 4 groups each of 16 UHF channels.
* PLL (Phase-locked Loop) synthesized technology ensures stable RF transmission and reception.
* Diversity technology prevents dropouts in the RF link.
* Lock-on function mode.
* LCD indicates channel frequency, RF/AF level.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Built-in charger: holds 4 AA batteries.

**Mh-8800Gi**
UHF PLL Handheld Transmitter

* 64 Selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuit design ensures stable signal transmission.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design.
* The "lock-on" function prevents tampering and RF interruption.

**PT-920BG / PT-920BGmi**
UHF PLL Body-Pack Transmitter

* 64 Selectable channels
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuitry ensures stable transmission.
* Powered by 2 AA batteries.
* Equipped with 4P Mini XLR connector.
* LCD display.
* Compact, heavy duty plastic housing.
* The "lock-on" function mode prevents tampering and RF interruption.
* PT-920BGmi offers a wireless solution for most musical instruments.
**US-9216D**

UHF PLL Dual Channel Diversity Receiver

- 16 selectable, preset UHF channels.
- Diversity technology minimizes dropouts in the RF link.
- Noise mute and pilot tone squelch.
- Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
- Metal housing fits this dual channel receiver into one rack space.

**Mh-8016SM**

UHF PLL Handheld Transmitter

- The MH-8016SM has been designed with the JTS most top capsule SAM-8W.
- The capsule is manufactured on a solid steel bar for highest accuracy, reliability and performance.
- The smooth frequency response across the full spectrum and outstanding directional character provide maximum gain before feedback.
- The System is ideal for large venue.

**PT-920B / PT-920Bmi**

UHF PLL Body-Pack Transmitter

- 16 Selectable channels.
- Phase-locked Loop (PLL) synthesized tuner.
- Advanced circuitry ensures stable transmission.
- Powered by 2 AA batteries.
- Equipped with 4P Mini XLR connector.
- LCD display.
- Compact, heavy duty plastic housing.
- The "lock-on" function mode prevents tampering and RF interruption.
- PT-920Bmi offers a wireless solution for most musical instruments.

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### Technical Specifications

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<thead>
<tr>
<th><strong>US-9216D</strong></th>
<th><strong>Mh-8016SM</strong></th>
<th><strong>PT-920B / PT-920Bmi</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Preparation</strong></td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
</tr>
<tr>
<td><strong>Carrier Frequency Range</strong></td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
</tr>
<tr>
<td><strong>S/N Ratio</strong></td>
<td>&gt; 105dB</td>
<td>±10KHz</td>
</tr>
<tr>
<td><strong>T.H.D.</strong></td>
<td>&lt; 0.6% @ 1KHz</td>
<td>±48KHz</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>LCD</td>
<td>±48KHz</td>
</tr>
<tr>
<td><strong>Display Contents</strong></td>
<td>Channel, Antenna A/B, RF/AF Level Meter</td>
<td>Power On/Off, Battery Fuel Gauge (LCD)</td>
</tr>
<tr>
<td><strong>Controls</strong></td>
<td>Power On/Off, Channel Up/Down, Squelch Level, Audio Level</td>
<td>Power On/Off, Channel Up/Down, Lock-on Mode</td>
</tr>
<tr>
<td><strong>Audio Output Level</strong></td>
<td>-12dB</td>
<td>&lt; -50 dBC</td>
</tr>
<tr>
<td><strong>AF Output Impedance</strong></td>
<td>600Ω</td>
<td>50~16,000 Hz</td>
</tr>
<tr>
<td><strong>Squelch</strong></td>
<td>Pilot Tone, Noise and Mute</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td><strong>Operation Voltage</strong></td>
<td>12-16 VDC, 300mA</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td><strong>Spurious Emissions</strong></td>
<td>(&lt; 60 dBC)</td>
<td>(&lt; 60 dBC)</td>
</tr>
<tr>
<td><strong>Audio Frequency Response</strong></td>
<td>50~16,000 Hz</td>
<td>40~18,000 Hz</td>
</tr>
<tr>
<td><strong>Output Connector</strong></td>
<td>4P mini XLR</td>
<td>Channel, Battery Fuel Gauge (LCD)</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>UM3, AA 1.5V*2</td>
<td>Channel On/Off, AF Level, Lock-on Mode</td>
</tr>
</tbody>
</table>

---

**SAM-8W**

Dynamic Microphone Capsule
**US-902D**

UHF PLL Dual Channel Diversity Receiver

- 16 selectable, preset UHF channels.
- Diversity technology minimizes dropouts in the RF link.
- Noise mute and pilot tone squelch.
- Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
- Metal housing fits this dual channel receiver into one rack space.

**Mh-920 / Mh-930 (Option)**

UHF PLL Handheld Transmitter

- 16 Selectable channels.
- Phase-locked Loop (PLL) synthesized tuner.
- Advanced circuit design ensures stable signal transmission.
- Extended dynamic range and smooth frequency response.
- Noise mute and tone-key squelch.
- Internal antenna design benefits unique styling.
- The "lock-on" function prevents tampering and RF interruption.

---

**PT-920B / PT-920Bmi**

UHF PLL Body-Pack Transmitter

<table>
<thead>
<tr>
<th>Model</th>
<th>US-902D</th>
<th>Mh-920 / Mh-930</th>
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<tbody>
<tr>
<td>Frequency Preparation</td>
<td>PLL Synthesized Control</td>
<td>PLL Synthesized Control</td>
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<tr>
<td>Carrier Frequency Range</td>
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<td>502~960 MHz</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt; 105dB</td>
<td>±10KHz</td>
</tr>
<tr>
<td>T.H.D.</td>
<td>&lt;0.6%@1KHz</td>
<td>±48KHz</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td>Display Contents</td>
<td>Channel, Antenna A/B, RF/AF Level Meter</td>
<td>Channel</td>
</tr>
<tr>
<td>Controls</td>
<td>Power On/Off, Channel Up/Down, Squelch Level, Audio Level</td>
<td>Power On/Off, Channel Up/Down, Lock-on Mode</td>
</tr>
<tr>
<td>Audio Output Level</td>
<td>-12dB</td>
<td>&lt;-50 dBC</td>
</tr>
<tr>
<td>AF Output Impedance</td>
<td>600Ω</td>
<td>600Ω</td>
</tr>
<tr>
<td>Squelch</td>
<td>Pilot Tone, Noise and Mute</td>
<td>Pilot Tone, Noise and Mute</td>
</tr>
<tr>
<td>Operation Voltage</td>
<td>12-18 VDC, 300mA</td>
<td>12-18 VDC, 300mA</td>
</tr>
<tr>
<td>Output Connector</td>
<td>2 Balanced XLR Sockets</td>
<td>2 Balanced XLR Sockets</td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>400mm (W) * 44mm (H) * 232mm (D)</td>
<td>400mm (W) * 44mm (H) * 232mm (D)</td>
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<tr>
<td>LCD Display</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td>Controls</td>
<td>Power On/Off, Channel Up/Down, Lock-on Mode</td>
<td>Power On/Off, Channel Up/Down, Lock-on Mode</td>
</tr>
<tr>
<td>Spurious Emissions</td>
<td>&lt; -50dBC</td>
<td>&lt; -50dBC</td>
</tr>
<tr>
<td>Audio Frequency Response</td>
<td>50~16,000 Hz</td>
<td>50~16,000 Hz</td>
</tr>
<tr>
<td>Battery</td>
<td>UM3, AA 1.5V*2</td>
<td>UM3, AA 1.5V*2</td>
</tr>
</tbody>
</table>

* * *
**US-902D Pro**

UHF PLL Dual Channel Diversity Receiver

* 16 selectable, preset UHF channels.
* Diversity technology minimizes dropouts in the RF link.
* Noise mute and pilot tone squelch.
* Lock-on function mode prevents accidental programming.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Metal housing fits this dual channel receiver into one rack space.

**Mh-8800i**

UHF PLL Handheld Transmitter

* 16 Selectable channels.
* Phase-locked Loop (PLL) synthesized tuner.
* Advanced circuit design ensures stable signal transmission.
* Extended dynamic range and smooth frequency response.
* Noise mute and tone-key squelch.
* Interchangeable capsule module for either condenser or dynamic capsule.
* Internal antenna design.
* The “lock-on” function prevents tampering and RF interruption.

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**PT-920B / PT-920Bmi**

UHF PLL Body-Pack Transmitter

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<table>
<thead>
<tr>
<th>Specification</th>
<th>US-902D Pro</th>
<th>Mh-8800i</th>
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<tbody>
<tr>
<td>Frequency Preparation</td>
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<tr>
<td>Carrier Frequency Range</td>
<td>502~960 MHz</td>
<td>502~960 MHz</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt; 105dB</td>
<td>10mW</td>
</tr>
<tr>
<td>T.H.D.</td>
<td>&lt;0.6%@1KHz</td>
<td>±10KHz</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td>Display Contents</td>
<td>Channel, Antenna A/B, RF/AF Level Meter</td>
<td>Channel, Battery Fuel Gauge, Sensitivity</td>
</tr>
<tr>
<td>Controls</td>
<td>Power On/Off, Channel Up/Down, Squelch Level, Audio Level</td>
<td>Power On/Off, Mode Setting, AF Level, Channel Up/Down, Lock-on Mode</td>
</tr>
<tr>
<td>Audio Output Level</td>
<td>-12dB</td>
<td>&lt;-60 dBC</td>
</tr>
<tr>
<td>AF Output Impedance</td>
<td>600Ω</td>
<td>50~16,000 Hz</td>
</tr>
<tr>
<td>Squelch</td>
<td>Pilot Tone &amp; Noise Mute</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td>Operation Voltage</td>
<td>12-16 VDC, 300mA</td>
<td></td>
</tr>
<tr>
<td>Output Connector</td>
<td>2 Balanced XLR Sockets</td>
<td></td>
</tr>
<tr>
<td>Dimension (mm)</td>
<td>400mm (W) * 144mm (H) * 232mm (D)</td>
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</tr>
</tbody>
</table>

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US-902D Pro, Mh-8800i, PT-920B, PT-920Bmi
US-8216D  
UHF PLL Dual Channel Diversity Receiver
* Preset 16 selectable UHF channels.
* Dual transmitter operation.
* Diversity technology prevents dropouts in the RF link.
* PLL synthesized technology.
* Noise mute and pilot tone squelch.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Tuned antennas maximize the effective range of the wireless link.
* Compact half rack space design.

Mh-8016i  
UHF PLL Handheld Transmitter
* Rugged and ergonomic “switch” design for convenience of operating during live performance.
* With extended dynamic range and smooth frequency response, Mh-8016i provides reliable and consistent performance as a standard house sound equipment.
* Preset 16 UHF channels as well as advanced circuit design for excellent gain before feedback.
* Interchangeable capsule module design for convenient replacement, available for both condenser or dynamic capsules.
* LED display for power and low battery.

PT-850B / PT-850Bmi  
UHF PLL Body-Pack Transmitter
* 16 Selectable channels.
* PLL synthesized oscillator type.
* Powered by 2 AA batteries.
* Equipped with 4P Mini XLR connector.
* Compact, heavy duty plastic housing.
* LED display.
* PT-850Bmi offers a wireless solution for most musical instruments.

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>RF Outputs</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>LED Display</th>
<th>Controls</th>
<th>Audio Output Level</th>
<th>AF Output Impedance</th>
<th>Squelch</th>
<th>Operation Voltage</th>
<th>Output Connector</th>
<th>Battery</th>
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<tbody>
<tr>
<td>US-8216D</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>&gt; 105dB</td>
<td>±0.6%@1KHz</td>
<td>±48KHz</td>
<td>Antenna A/B, RF/AF Status</td>
<td>Power On/Off, Channel Selecting, Audio Level</td>
<td>-12dB</td>
<td>600Ω</td>
<td>Pilot Tone, Noise and Mute</td>
<td>12-18 VDC, 200mA</td>
<td>2 Balanced XLR socket, 1 Unbalanced Ø6.3mm phone jack</td>
<td>UM3, AA 1.5V*2</td>
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<tr>
<td>Mh-8016i</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Power On/Off,</td>
<td>-50 dB</td>
<td>&lt;60 dBC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td>PT-850B</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Power On/Off,</td>
<td>4P mini XLR</td>
<td>&lt;60 dBC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td>PT-850Bmi</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Channel Up/Down</td>
<td>—</td>
<td>4P mini XLR</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
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</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>RF Outputs</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>LED Display</th>
<th>Controls</th>
<th>Audio Output Level</th>
<th>AF Output Impedance</th>
<th>Squelch</th>
<th>Operation Voltage</th>
<th>Output Connector</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>US-8216D</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>&gt; 105dB</td>
<td>±0.6%@1KHz</td>
<td>±48KHz</td>
<td>Antenna A/B, RF/AF Status</td>
<td>Power On/Off, Channel Selecting, Audio Level</td>
<td>-12dB</td>
<td>600Ω</td>
<td>Pilot Tone, Noise and Mute</td>
<td>12-18 VDC, 200mA</td>
<td>2 Balanced XLR socket, 1 Unbalanced Ø6.3mm phone jack</td>
<td>UM3, AA 1.5V*2</td>
</tr>
<tr>
<td>Mh-8016i</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Power On/Off,</td>
<td>-50 dB</td>
<td>&lt;60 dBC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
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<tr>
<td>PT-850B</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Power On/Off,</td>
<td>4P mini XLR</td>
<td>&lt;60 dBC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
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<tr>
<td>PT-850Bmi</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>—</td>
<td>Channel Up/Down</td>
<td>—</td>
<td>4P mini XLR</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>UM3, AA 1.5V*2</td>
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</table>
# US-8001D / US-8002D
UHF PLL Single / Dual Channel Diversity Receiver

* Preset 16 selectable UHF channels.
* Single / Dual transmitter operation.
* Diversity technology prevents dropouts in the RF link.
* PLL synthesized technology.
* Noise mute and pilot tone squelch.
* Equipped with both XLR balanced and Ø6.3mm unbalanced outputs.
* Tuned antennas maximize the effective range of the wireless link.
* Compact half rack space design.

### US-8001DB / US-8002DB
UHF PLL Single / Dual Channel Diversity Receiver

* An derivative version with BNC antenna connector of US-8001D / US-8002D.

## Specifications

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Preparation</td>
<td>PLL Synthesized Control</td>
</tr>
<tr>
<td>Carrier Frequency Range</td>
<td>502~960 MHz</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt; 105dB</td>
</tr>
<tr>
<td>T.H.D.</td>
<td>&lt;0.6%@1KHz</td>
</tr>
<tr>
<td>Display</td>
<td>LED</td>
</tr>
<tr>
<td>Display Contents</td>
<td>Antenna A/B, RF/AF Status</td>
</tr>
<tr>
<td>Controls</td>
<td>Power On/Off, Channel Selecting, Audio Level</td>
</tr>
<tr>
<td>Audio Output Level</td>
<td>-12dB</td>
</tr>
<tr>
<td>AF Output Impedance</td>
<td>600Ω</td>
</tr>
<tr>
<td>Squelch</td>
<td>Pilot Tone, Noise and Mute</td>
</tr>
<tr>
<td>Operation Voltage</td>
<td>US-8001D/US-8001DB : 12~18 VDC, 150mA</td>
</tr>
<tr>
<td>Output Connector</td>
<td>US-8002D/US-8002DB : 12~18 VDC, 200mA</td>
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<td>Dimension(m/m)</td>
<td>US-8001DB/US-8002DB : 210mm (W)* 40mm (H)* 181mm (D)</td>
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<tr>
<td></td>
<td>US-8001D/US-8002D : 210mm (W)* 40mm (H)* 171mm (D)</td>
</tr>
</tbody>
</table>
**UT-16HW**

UHF PLL Miniature Head Worn Wireless Transmitter

- Sub miniature headset transmitter.
- UHF PLL 16 preset selectable channels.
- Powered by one AAA battery for over 8 working hours.
- Over 60 meter of stable operation distance.
- High signal to noise ratio.
- Standby function provided for stable wireless link.
- Sweat proof design.

Good for:
- Aerobics/Fitness
- School
- Cooperate presentation
- Stage performance
- Wireless for video (together with KA-10R)

Available Color: Orange, White, Silver

**Mh-750 / Mh-850 (Option)**

UHF PLL Handheld Transmitter

- 16 Selectable channels.
- PLL synthesized control.
- Advanced circuitry ensures stable signal transmission.
- Noise mute and Tone-key squelch.
- Extended dynamic range and smooth frequency response.
- Internal antenna design.

**PT-850B / PT-850BMI**

UHF PLL Body-Pack Transmitter

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Preparation</th>
<th>Carrier Frequency Range</th>
<th>RF Outputs</th>
<th>Stability</th>
<th>Frequency Deviation</th>
<th>LED Display</th>
<th>Controls</th>
<th>Spurious Emissions</th>
<th>Audio Frequency Response</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>UT-16HW</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>Maximum 10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>Power On/Off, Low battery</td>
<td>Power On/Off, AF Level, Channel Selecting, Mute</td>
<td>&lt;50 dBC</td>
<td>40~18,000 Hz</td>
<td>LR03, AAA 1.5V</td>
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<tr>
<td>Mh-750 / Mh-850</td>
<td>PLL Synthesized Control</td>
<td>502~960 MHz</td>
<td>10mW</td>
<td>±10KHz</td>
<td>±48KHz</td>
<td>Low Battery, Power On/Off</td>
<td>Power On/Off, Channel Selecting</td>
<td>&lt;50 dBC</td>
<td>50~16,000 Hz</td>
<td>UM3, AA 1.5V/2</td>
</tr>
</tbody>
</table>