Overview

Digital Audio Processing for high quality sound
The URX-S03D is the first two-channel portable receiver in the UWP-D Series that fits directly in the slot of Sony XDCAM and HDCAM camcorders. Working with the UTX-B03HR belt-pack transmitter, the system features easy channel setting functions, advanced functionality for stable RF transmission and Digital Audio Processing technology ensures high-quality sound. With advanced usability with Sony XDCAM and HDCAM camcorders, it also works seamlessly with Sony 800 and UWP Series transmitters.

Digital Audio Processing for high quality sound
Improves transient response performance between the UWP-D transmitter and receiver, providing impressive natural sound quality compared to conventional analogue wireless systems.

Stable RF transmission
True diversity reception system achieves highly stable reception from two adjustable receiving antennas, each with its own RF circuits.

Great usability with Sony XDCAM and HDCAM camcorders
The URX-S03D fits in the slot of Sony’s XDCAM camcorder with 2-channel digital audio connections directly from the DSP. It can also be matched with the slot of an HDCAM camcorder with single channel audio connection.

Easy to use features
Automatic channel setting function*, headphone output, USB connection for power supply and line input availability.

*For customers in North and Latin America, when a /25 version of either transmitter or receiver is used with /14, /30 or /30A version of receiver or transmitter, AUTO SET (auto channel setting) function or frequency transferring function with IR sync cannot be used. Manual setting of matching frequencies is still available.

Wide frequency coverage with choice of channels available
The extra wide switching bandwidth covers a wide area, with a wide choice of channels available across multiple models – please refer to product specifications for more information.
14UC: 470.125 MHz to 541.875 MHz (UHF-TV channels 14 to 25) (not available in Brazil)
25UC: 536.125 MHz to 607.875 MHz (UHF-TV channels 25-36)
42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42-51) (not available in US or Canada)

Robust metal body
The URX-P03 portable receiver is made of strong, durable metal. Metal construction supports reliable use in rough operating conditions.

**Weatherproof structure**
Weatherproof structure of the URX-S03D makes it safe to use in extreme conditions

**Selectable squelch**
The squelch can be easily turned on or off in the menu.

**Compatible with a wide range of Sony camcorders**

**For customers in North America**
The URX-P03D/30 and URX-P03D/42 models operates in portions of the 617-652 MHz or 663-698 MHz frequencies. As of 2017, these frequencies are being transitioned by the Federal Communications Commission (FCC) to the 600 MHz service to meet increasing demand for wireless broadband services. Users of these models must cease operating on these frequencies no later than July 13, 2020. In addition, users may be required to cease operations before that date if their operations could cause harmful interference to a 600 MHz service licensee's wireless operations on these frequencies. For more information, contact the FCC.

For customers in Canada, please consult ISED’s Spectrum Advisory Bulletin for recent information related to the 600 MHz band transition.

**Features**

**True diversity reception system for stable reception**
Wireless microphone transmission systems are typically subject to interruptions in reception (RF signal dropout), but the UWP-D series reduces this to a minimum. Utilising a true diversity reception system, it achieves highly stable reception because of its two receiving antennas, each with RF circuits. RF signals from the two antennas are compared and the stronger signal is automatically selected for output.

**Sony Digital Audio Processing for high quality sound**
The UWP-D Series wireless microphone systems uses Sony Digital Audio Processing to improve sound quality and transient response performance compared to conventional analogue wireless systems. It provides superb transient response performance. Analogue companding systems cannot accurately reproduce sounds such as a bell, tee shot or handclap, but Sony Digital Audio Processing reproduces them faithfully.

**Direct digital connection to camcorders**
The URX-S03D provides two-channel (with XDCAM camcorders) and single-channel (with HDCAM camcorders) digital connection via a D-sub 15-pin interface. With HD Camcorders, two audio signals from two transmitters can be output in the single channel as a two-channel mixing function. Sony camcorders can also show each wireless microphone’s RF/AF level in the viewfinder.

**Automatic channel setting mode**
The Auto Set channel mode allows the user to find and set available frequencies to use within the operating frequencies of the system. The receiver will automatically set the transmitter channel using the IR Sync feature.

**Fast and easy channel scan**
With its Clear Channel Scan, Active Channel Scan function and IR Sync features, the
system detects unoccupied channels and selects the most appropriate channel automatically, for fast and easy system setup.

**Compatibility with Sony 800 and UWP Series**
DSP enables a digital compander to match Sony’s analogue wireless system. The The UWP-D Series transmitters and receivers are also compatible with Sony’s WL-800 Series and UWP Series, allowing users to switch between different companding modes.

**Wide frequency coverage**
The extra wide switching bandwidth covers a wide area, with a wide choice of channels available – please refer to product specifications for more information.

### Specifications

<table>
<thead>
<tr>
<th>Oscillator Type</th>
<th>Crystal-controlled PLL Synthesizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reception Type</td>
<td>True diversity</td>
</tr>
<tr>
<td>Antenna Type</td>
<td>Detachable</td>
</tr>
</tbody>
</table>
| Carrier Frequencies: Americas    | 14UC: 470.125 MHz to 541.875 MHz (UHF-TV channels 14 to 25)  
25UC: 536.125 MHz to 607.875 MHz (UHF-TV channels 25-36)  
42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42-51) (not available in US or Canada) |
| Carrier Frequencies: Europe, UAE, South Africa, Australia, Malaysia, Vietnam, New Zealand | CE21: 470.025 MHz to 542.000 MHz (not available in Australia, Malaysia, Vietnam or New Zealand)  
CE33: 566.025 MHz to 633.000 MHz (not available in New Zealand)  
CE42: 638.025 MHz to 694.000 MHz |
| Carrier Frequencies: China       | CN38: 710.025 MHz to 782.000 MHz     |
| Carrier Frequencies: Thailand, Taiwan, Singapore | E: 794.125 MHz to 805.875 MHz       |
| Carrier Frequencies: Japan       | JB: 806.125 MHz to 809.750 MHz      |
| Carrier Frequencies: South Korea | KR3: 925.125 MHz to 937.500 MHz     |
| Frequency Response               | 23Hz to 18kHz (typical)             |
| Signal-to-Noise Ratio            | 96dB (max deviation, A-weighted)    |
### Distortion (T.H.D)
0.9% or less (-60dBV, 1kHz input)

### Audio Delay
Approx. 0.375 msec

### Analog Output
D-sub 15pin, unbalanced

### Analog Output Level*
-40dBu (at ±5kHz deviation)

### Pilot Tone Signal
32 kHz/ 32.382 kHz/ 32.768 kHz

### Display
LCD

### Power Requirements
DC 7.0 V

### Operating Temperature
0°C to 50°C
32°F to 122°F

### Storage/Transport Temperature
-20°C to +55°C
-4°F to +131°F

### Dimensions
88 x 116.2 x 31.2mm (3 1/2 × 4 5/8 × 1 1/4 in.) (excluding the antennas) (W x H x D)

### Mass
Approx. 303g (10.7 oz.) (with supplied antennas attached)

---

**Note**

* 0dBμV = 1μV EMF, 0dBu=0.775Vrms, 0dBV=1V, 0dB SPL=2x10⁻⁵ Pa

---

**Related products**

- **UWP-D11**
  UWP-D bodypack wireless microphone package

- **UWP-D12**
  UWP-D handheld wireless microphone package

- **CBK-55BK**
  EFP-style build-up kit for PMW-F55 and PMW-F5 CineAlta cameras

- **UT X-B03**
  UWP-D bodypack transmitter

- **UT X-B03HR**
  UWP-D body-pack transmitter

- **XDCA-FX9**
  Extension Unit for FX9 camera

- **UT X-P03**
  UWP-D XLR plug-on transmitter

- **UT X-M03**
  UWP-D handheld microphone with uni-directional capsule

- **UWP-D16**
  UWP-D bodypack and XLR plug-on wireless microphone

- **DWA-F01D**
  Digital wireless adaptor for DWX system
Gallery