SONY

URX-S03D

UWP-D two-channel slot-in receiver

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

Waterproof 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

PXW-X320, PXW-X400, PDW-850/750, PXW-X500, PMW-400/580, PDW-510/510P, PDW-530/530P, PDW-700/740/F800,PMW-TD300, PMW-500/350, PMW-320, (PMW-F5/F55 with CBK-55BK), HDW-F900R, HDW-650/680/800P, MSW-930P, DSR-400/400P, DSR-450WS/450WSP

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 HDCAM 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

Important Notes

This product is available in a variety of different frequency range models to suit the regulatory requirements of individual countries. Please contact your Sony reseller for more information on which product will best suit your specific needs.

URX-S03D Portable Receiver

Oscillator Type	Crystal-controlled PLL Synthesizer
Reception Type	True diversity
Antenna Type	Detachable

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 (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	23Hz to 18kHz (typical)

Response	
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

UTX-M40

UWP-D handheld microphone with unidirectional capsule

DWM-02N

DWX series digital wireless microphone with interchangeable head mechanism

DWT-P01N

Digital wireless microphone plug-on transmitter

XDCA-FX9

Extension Unit for FX9 camera

UTX-B40

UWP-D bodypack transmitter

UTX-P40

UWP-D XLR plug-on transmitter

Gallery