

## URX-P03D

UWP-D two-channel portable receiver



### Overview

**2 channel portable receiver for high quality sound for ENG/EFP productions**

The URX-P03D 2-channel portable receiver forms part of a complete UWP-D audio system offering the sound quality of digital audio processing combined with the reliability of analog FM modulation. The URX-P03D offers wide frequency coverage with up to 72 MHz bandwidth (depending on region) across a wide range of channels, with a choice of models to choose from. Easy-to-use features include a large display and small size to fit neatly on any size camcorder or DSLR camera, automatic channel setting function, headphone output, USB connection for power supply and line input availability. The receiver also has external mic input for an additional wired microphone and 3 channel mixer function. The UWP-D Series system provides superb transient response performance for all ENG / EFP production applications.

**2 channel portable receiver**

**Digital Audio Processing for high quality sound**

Improves transient response performance between the UWP-D transmitter and receiver, which will provide impressive natural sound quality compared to conventional analog wireless systems.

## **External mic input for additional wired microphone**

This portable receiver has an external mic input connector for additional wired microphone. It also has a 3 channel mixer function for the two wireless microphones and one wired microphone.

## **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)

25UC: 536.125 MHz to 607.875 MHz (UHF-TV channels 25 to 36)

42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42-51) (not available in U.S. or Canada)

## **Large display and small size receiver**

The receiver features a large display for ease of use, while its small size means it fits neatly on any size camcorder or DSLR camera.

## **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 /30-A 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.

## **For customers in North America**

The URX-P03D/30 and URX-P03D/42 models operate 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

### **UWP-D 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 analog wireless systems. It provides superb transient response performance. Analog companding systems cannot accurately reproduce sounds such as a bell, tee shot or handclap, but Sony Digital Audio Processing reproduces them faithfully.

### **External mic input for additional wired microphone with 3 channel Mixer function**

The URX-P03D 2-channel portable receiver has an external mic input connector for additional wired microphones. Sony microphones with BMP plug or plug-in power microphones (stereo/mono) are applicable by menu setting. It also has a 3 channel mixer function for

the two wireless microphones and one wired microphone. It can assign output 1 or/and 2 freely.

### **Large display and small size receiver**

This receiver is designed to fit even small camcorders or DSLR cameras, with dimensions of 63mm x 82mm x 28.4mm (W x H x D) and a weight of approx. 210 g (including batteries). The transmitters and receivers also feature a bright 11.5mm x 27.8mm display, significantly larger than previous UWP models to make them easily readable in all situations.

### **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.

### **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.

### **Wide frequency coverage**

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.

### **True Diversity reception system\***

The UWP-D system achieves exceptionally stable audio signal being delivered from two independent receiver sections within the unit. Optimum signal quality is delivered by the two receivers sections and a comparison circuit constantly pulls the one with the best

signal to give dropout free transmission.

\*Applied for 1 channel use. Antenna diversity is applied for 2 channel use.

### **Compatibility with Sony 800 and UWP Series analog audio receivers**

The UWP-D Series transmitters and receivers are also compatible with Sony's WL-800 Series, UWP Series and Freedom Series, allowing users to switch between different companding modes.

### **Headphone output for monitoring**

The UWP-D system provides its own headphone output socket, which is particularly useful when working with a camera that does not have a headphone output.

### **USB for external power supply or charging batteries**

The URX-P03D portable receiver has a micro USB terminal for connection to USB external portable power sources, allowing the unit to be powered by the camcorder during use and resulting in hassle-free power. You can also load NiMh batteries into the receiver to be charged through the micro USB.

### **Robust metal body**

The URX-P03D portable receiver is made of strong, durable metal. Metal construction supports reliable use in rough operating conditions.

### **Variable output level on portable receiver**

The system provides variable output level control of  $\pm 12$ dB, for use with the various input levels of camcorders and DSLR cameras.

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-P03D Portable Receiver

Oscillator Type	Crystal-controlled PLL Synthesizer
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Reception Type	Space diversity*
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Antenna Type	1/4 wave length wire
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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 to 36)
	42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42-51) (not available in U.S. or Canada)

Carrier Frequencies:	CE21: 470.025 MHz to 542.000 (not available in Australia, Malaysia, Vietnam or New Zealand)
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Europe, UAE, South	CE33: 566.025 MHz to
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Africa, Australia, Malaysia, Vietnam, New Zealand	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 Input	3-pole mini jack, unbalanced
Analog Input Level	-50dBV ( $\pm 12$ dB Adjustable, 3-dB step)
Analog Output	3-pole mini jack, unbalanced
Analog Output	-60dBV (at $\pm 5$ kHz deviation)

Level	
Analog Output Adjust Range	-12dB - +12dB (3dB step)
Headphone Output	φ3.5 mm ( 5/32 inch) stereo mini jack
Headphone Output Level	5 mW (at 16-ohm load)
Pilot Tone Signal	32 kHz/ 32.382 kHz/ 32.768 kHz
Display	LCD
Power Requirements	DC 3.0 V (with two AA-size alkaline (LR6) batteries) DC 5.0V (via USB micro-B)
Battery Operating Time	Approx. 4.5 hours with AA-size alkaline (LR6) batteries at 25°C (77°F)
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	63 x 82 x 28.4 mm (excluding the antennas) (W x H x D)
Mass	Approx. 210 g (including batteries)

## Note

True Diversity for 1ch use /



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## Dynamic Switching Diversity for 2ch use

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### Related products



#### **UTX-B03**

UWP-D bodypack transmitter



#### **UTX-M03**

UWP-D handheld microphone with uni-directional capsule



#### **UTX-P03**

UWP-D XLR plug-on transmitter



#### **UTX-B03HR**

UWP-D body-pack transmitter



#### **SMAD-P3D**

Multi Interface Shoe (MI Shoe) adaptor for URX-P03D (Dual Channel)



#### **UTX-M40**

UWP-D handheld microphone with unidirectional capsule



#### **UTX-B40**

UWP-D bodypack transmitter



#### **UTX-P40**

UWP-D XLR plug-on transmitter

## Gallery

