

# SONY

## UWP-D Wireless Microphone series

Superior digital sound quality  
and multi-channel operation



The UWP-D wireless microphone series delivers the sound quality of digital audio processing combined with the reliability of analogue FM modulation, improving transient response performance, providing impressive natural sound quality. It is perfect audio solution for handheld camcorders and DSLRs

### URX-P03D Two-channel portable receiver

The URX-P03D two channel receiver can connect and work with two transmitters simultaneously. It is offering the sound quality of digital audio processing combined with the reliability of analogue FM modulation and with a 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.

### SMAD-P3D Multi Interface Shoe (MI Shoe) adaptor

The 2-channel wireless receiver URX-P03D can be attached to camcorders or interchangeable-lens cameras that have an MI (Multi-Interface) shoe using the 2-channel MI shoe adaptor SMAD-P3D. This eliminates the need for connecting cables.

By using the MI shoe adaptor, audio signals can be transmitted from the wireless receiver to a camera. In addition, the wireless receiver can get power from the camera, and the camera can control power ON/OFF, unifying power management.

### URX-S03D Two-channel slot-in receiver

This 2-channel system can receive two different RF signals in one receiver unit. The true diversity reception system achieves highly stable reception thanks to its two receiving antennas and separate RF circuits for each channel. RF signals from the two antennas are compared and the stronger signal is automatically selected for output, allowing the URX-S03D to reduce possible interruptions in reception to a minimum.

The URX-S03D is compatible with Sony's UWP Series. WL-800 Series. Apart from the slot-in, V-mount and mixer bag operation is available using a wireless adapter such as DWA-01D or DWA-F01D.

### UTX-B03HR belt-pack transmitter

The UTX-B03HR is equipped with a new 4-pin microphone connector designed to withstand the rigors of electronic news-gathering (ENG) shooting. A standard broadcast lavalier microphone (ECM-77BC) can be used with the new connector. Other attractive features of the UTX-B03HR include:

- Sony's Digital Audio Processing
- Compatibility with UWP Series / WL-800 Series
- Extremely compact, lightweight, and robust metal body
- USB for power supply or charging batteries
- Switchable MIC/LINE input level and adjustable
- Attenuator (0 dB to 21 dB, 3-dB steps)

# Specifications

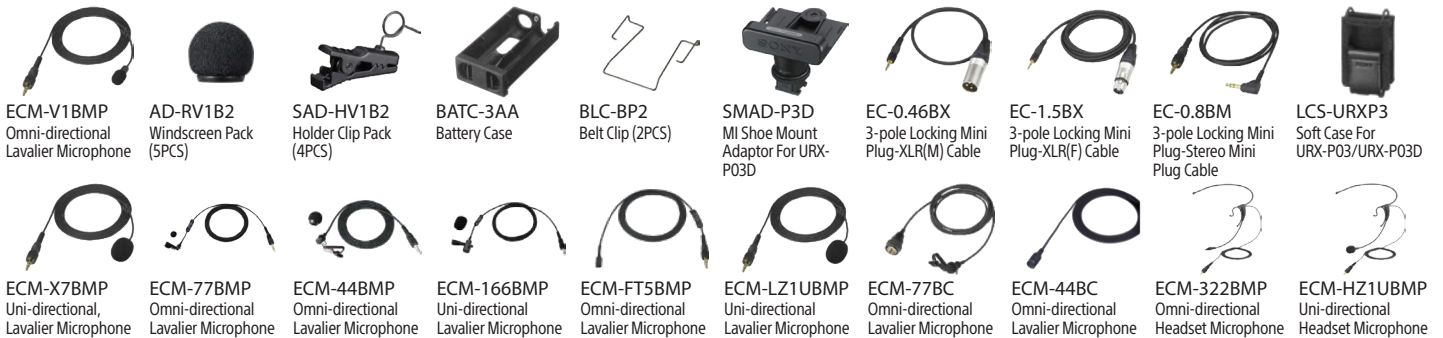
		UTX-B03HR Bodypack transmitter
Oscillator Type		Crystal-controlled PLL Synthesizer
Antenna Type		1/4λ wave length wire
Type of Emission		F3E
Carrier Frequencies	UC	UC14 : 470.125 MHz to 541.875 MHz
		UC30 : 566.125 MHz to 607.875 MHz and 614.125 MHz to 637.875 MHz
		UC42 : 638.125 MHz to 697.875 MHz
	CE7	CE21 : 470.025 MHz to 542.000 MHz
		CE33 : 566.025 MHz to 630.000 MHz
		CE42 : 638.025 MHz to 694.000 MHz
	CN	CN38 : 710.025 MHz to 782.000 MHz
	E	E : 794.125 MHz to 805.875 MHz
J	JB : 806.125 MHz to 809.750 MHz	
KR	KR3 : 925.125 MHz to 937.500 MHz	
RF Power	UC	30 mW / 5 mW
	CE7	
	CN	
	J	10 mW / 2 mW
	KR/E	
Input Connector		Sony SMC9-4S (female)
Reference Input Level		MIC: -60 dBV (at 0-dB attenuator level) / LINE: +4 dBu
Audio Attenuator (Adjustment Range)		0 dB to 27 dB (in 3-dB steps)
Frequency Response	UC/CE7/CN/KR/E	Transmission: 23 Hz to 18 kHz (typical)
	J	Transmission: 40 Hz to 15 kHz (typical)
Signal-to-Noise Ratio		96 dB (max deviation, A-weighted)
Audio Delay		Approx. 0.35 msec
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 5.0 V (via USB micro-B)
Battery Operating Time		UC/CE7/CN: Approx. eight hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 30-mW output E/KR3/J: Approx. 10 hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 10-mW output
Storage/ Transport Temperature		-20°C to +55°C (-4°F to +131°F)
Dimensions		63 x 92.6 x 20 mm (2 1/2 x 3 3/4 x 13/16 in.) (excluding the antenna) (W x H x D)
Mass		Approx. 105 g (3.7 oz.) (excluding batteries)

		URX-P03D 2-channel Portable Receiver	URX-S03D Slot-in Portable receiver	
Oscillator Type		Crystal-controlled PLL Synthesizer		
Reception Type		Space diversity*	True diversity	
Antenna Type		1/4 λ wave length wire	Detachable	
Type of Emission				
Carrier Frequencies	UC	UC14: 470.125 MHz to 541.875 MHz		
		UC30: 566.125 MHz to 607.875 MHz and 614.125 MHz to 637.875 MHz		
		UC42: 638.125 MHz to 697.875 MHz		
	CE7	CE21: 470.025 MHz to 542.000 MHz		
		CE33: 566.025 MHz to 630.000 MHz		
		CE42: 638.025 MHz to 694.000 MHz		
			-	-
	CN	CN38: 710.025 MHz to 782.000 MHz		
E	E: 794.125 MHz to 805.875 MHz			
J	JB: 806.125 MHz to 809.750 MHz			
KR	KR3: 925.125 MHz to 937.500 MHz			
Frequency Response		23 Hz to 18 kHz (typical)		
Signal-to-Noise Ratio		96 dB (max deviation, A-weighted)		
Distortion (T.H.D)		0.9% or less (-60 dBV, 1 kHz input)		
Audio Delay		Approx. 0.375 msec	Approx. 0.375 msec	
Analog Input		3-pole mini jack, unbalanced	-	
Analog Input Level		-50dBV (±12dB Adjustable, 3-dB step)	-	
Analog Output		3-pole mini jack, unbalanced	D-sub 15pin, unbalanced	
Analog Output Level**		-60 dBV (at ±5 kHz deviation)	-40dBu (at ±5kHz deviation)	
Audio Attenuator (Adjustment Range)		-12 dB to +12 dB (3-dB step)	-	
Headphone Output		ø3.5 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 5.0 V (via USB micro-B)	DC 7.0 V	
Battery Operating Time		Approx. five hours with Sony's 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 (W x H x D)		63 x 82 x 28.4 mm (2 1/2 x 3 1/4 x 1 1/8 inches) (excluding the antennas)	88 x 116.2 x 31.2mm (3 1/2 x 4 5/8 x 1 1/4 in.) (excluding the antennas)	
Mass		Approx. 210 g (7.4 oz) (including batteries)	Approx. 303g (10.7 oz.) (with supplied antennas attached)	

\* True Diversity for 1-channel use / Dynamic Switching Diversity for 2-channel use

\*\* 0dBμV= 1μV EMF, 0dBu=0.775Vrms, 0dBV=1V, 0dB SPL=2x10<sup>-5</sup> Pa

# Accessories



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