

## UWP-D11



### **Digital Audio Processing for high quality sound for ENG / EFP productions**

The UWP-D11 belt-pack wireless microphone package offers the sound quality of digital audio processing combined with the reliability of analogue FM modulation. The package includes the UTX-B03 belt-pack transmitter and URX-P03 portable receiver. Also included is a high quality omni-directional lavalier microphone and a range of accessories including windscreen, microphone holder clip, belt-clip and shoe-mount adaptor. The UWP-D11 package 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 receiver 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 UWP-D Series system provides superb transient response performance for all ENG / EFP production applications.

### **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 analogue wireless systems.

### **Complete package**

The UWP-D11 comes as a complete package including the UTX-B03 belt-pack transmitter, URX-P03 portable receiver, omni-directional lavalier microphone and everything you need to operate the wireless audio system.

### **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)

90UC: 941.500 MHz to 952.000 MHz, 952.850 MHz to 956.250 MHz, and 956.450 MHz to 959.850 MHz (available in the U.S. only)

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

The transmitter and receiver both feature a large display for ease of use, while the small size receiver 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 /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.

#### **For customers in North America**

The UWP-D11/30 and UWP-D11/42 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.

#### **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 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.

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

The URX-P03 portable receiver is designed to fit even small camcorders or DSLR cameras, with dimensions of 63mm x 82mm x 23.8mm (W x H x D) and a weight of approx. 176 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.

#### **Compatibility with Sony 800 and UWP Series analogue 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 UWP-D series' components have a micro USB terminal\* for connection to USB external portable power sources allowing the unit to be powered by the camcorder during use, resulting in hassle free power. You can also load NiMh batteries into the belt-pack to be charged through the micro USB.

\* Except handheld receiver UTX-M03.

**Robust metal body**

The UTX-B03 belt-pack transmitter and URX-P03 portable receiver are made of strong, durable metal. Metal construction supports reliable use in rough operating conditions.

**Line Input available**

The UWP-D Series system has line input available for added flexibility.

**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.

**Complete package with accessories**

The UWP-D11 package includes the UTX-B03 belt-pack transmitter and URX-P03 portable receiver, as well as: omni-directional lavalier microphone (1), windscreen (1), microphone holder clip (1), belt clip (2), shoe-mount adaptor (1), 3-pole locking mini plug/XLR-3-12C (male) (1), 3-pole locking mini plug/Stereo mini plug (1), CD-ROM (1) (including operating instructions and wireless microphone frequency list).

**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-P03 Portable receiver**

Oscillator Type	Crystal-controlled PLL Synthesizer
Reception Type	Space diversity
Antenna Type	1/4 wave length wire
Carrier Frequencies:	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

Americas	channels 42-51) 90UC: 941.500 MHz to 952.000 MHz, 952.850 MHz to 956.250 MHz, and 956.450 MHz to 959.850 MHz (available in the U.S. only)
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 CE51: 710.025 MHz to 782.000 MHz (only available in Europe)
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. 0.35 msec
Analog Output	3-pole mini jack, unbalanced
Analog Output Level	-60dBV (at $\pm 5$ kHz deviation)
Analog Output Adjust Range	-12dB - +12dB (3dB step)
Headphone Output	$\phi 3.5$ mm ( 5/32 inch) stereo mini jack
Headphone Output Level	Max. 10mW (at 16ohm 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. six 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	63 x 82 x 23.8mm (excluding the antennas) (W x H x D)
Mass	Approx. 176 g (including batteries)

UTX-B03 Bodypack transmitter

Oscillator Type	Crystal-controlled PLL Synthesizer
Antenna Type	1/4 wave length wire
Type of Emission	F3E
Carrier Frequencies: Americas	UC14: 470.125 MHz to 541.875 MHz (UHF-TV channels 14 to 25) (not available in Brazil) UC30: 566.125 MHz to 607.875 MHz and 614.125 MHz to 637.875 MHz (UHF-TV channels 30 - 36 and 38 - 41) (not available in Brazil) UC42: 638.125 MHz to 697.875 MHz (UHF-TV channels 42 - 51)
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 CE51: 710.025 MHz to 782.000 MHz (only available in Europe)
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
RF Power: Americas, Europe, UAE, South Africa, Australia, Malaysia, Vietnam, New Zealand, China	30 mW / 5mW
RF Power: Japan, South Korea, Thailand, Taiwan, Singapore	10 mW / 2 mW
Capsule Type	Electret condenser
Directivity	Omni-directional
Input Connector	3-pole locking mini jack
Reference Input Level	MIC: -60 dBV (at 0-dB attenuator level) LINE: +4 dBu
Audio Attenuator Adjustment Range	0 dB to 21 dB (in 3-dB steps): Mic input
Frequency Response:	
Americas, Europe, UAE, South Korea, Thailand, Taiwan, Singapore	Transmission 23 Hz to 18 kHz (typical)

Africa, Australia, Malaysia, Vietnam, New Zealand	
Frequency Response: China, Thailand, Taiwan, Singapore, South Korea	Transmission 23 Hz to 18 kHz (typical)
Frequency Response: Japan	Transmission 40 Hz to 15 kHz (typical)
Signal-to-Noise Ratio	96dB (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 5.0V (via USB micro-B)
Battery Operating Time: Americas, Europe, UAE, South Africa, Australia, Malaysia, Vietnam	Approx eight hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 30-mW output
Battery Operating Time: New Zealand, China	Approx eight hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 30-mW output
Battery Operating Time: Thailand, Taiwan, Singapore, Japan, South Korea	Approx 10 hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 10-mW output
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 20 mm (excluding the antennas) (W x H x D)
Mass	Approx. 149 g (including batteries)





