

URX-P40

UWP-D portable receiver



Overview

The demand for high quality audio is increasing as high-resolution content becomes prevalent in the video production industry. Today's content creators are faced with the challenge of capturing high-quality audio quickly, reliably and with limited resources. Offering superb sound quality with digital processing, reliable RF transmission, true double tuner diversity reception and friendly features, the UWP-D series is an ideal partner for ENG (electronic news gathering) and EFP (electronic field production), as well as documentaries and weddings.

- High-quality sound with Sony digital audio processing
- NFC SYNC function for quick and easy secure channel setting
- True double tuner diversity for stable signal reception
- Channel memory for fast switching between two receiver frequencies
- Headphone output for monitoring
- Monitor mode for using a receiver as an ear monitor
- Compatibility with Sony WL-800/UWP series
- Output level control for receiver

- High visibility OLED display, ideal for indoor/outdoor use
- USB connector for power supply
- Digital audio interface support with SMAD-P5 Multi Interface (MI) Shoe Adaptor (optional)*

*For details on cameras that support this function, visit the Sony website.

Features

Digital Audio Processing for high quality sound

Advanced digital audio processing technology by Sony assures high quality sound with improved transient response performance. A new [optional] digital audio interface enables direct digital sound recording with many Sony professional camcorders and Alpha interchangeable lens cameras via the SMAD-P5 Multi Interface MI shoe adaptor, bypassing A/D and D/A conversion stages to further ensure excellent sound quality.

Seamless camcorder integration

Integration with compatible* Sony camcorders (requires SMAD-P5 Multi Interface shoe adaptor) displays audio information such as RF level meter, audio mute status and transmitter low battery alert in the camera's viewfinder. Via the SMAD-P5, audio signals are transmitted from receiver to camera without requiring a cable connection. The wireless receiver can also receive power from the camera, with synchronized power on/off between camera and receiver for more effective power management.

*See details on SMAD-P5 for compatibility information.

Fast, easy frequency setting

Sony's uniquely user-friendly NFC SYNC feature allows quick, intuitive secure channel setting between transmitter and receiver.

Light, compact design

Reduced system size and weight enable superior mobility in a wide range of applications including news, documentaries, weddings and remote production. The receiver's compact size and light weight make it an ideal partner for use small camcorders and interchangeable lens digital cameras.

Specifications

GENERAL

Oscillator Type	Crystal-controlled PLL synthesizer
Reception Type	True diversity method
Antenna Type	1/4 λ wavelength wire antenna (angle-adjustable)
	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 to 51) 90UC: 941.625 MHz to 951.875 MHz, 953.000 MHz to 956.125 MHz, and 956.625 MHz to 959.625 MHz

Carrier Frequencies	<p>21CE: 470.025 MHz to 542.000 MHz (UHF-TV channels 21 to 29)</p> <p>33CE: 566.025 MHz to 630.000 MHz (UHF-TV channels 33 to 40)</p> <p>42CE: 638.025 MHz to 694.000 MHz (UHF-TV channels 42 to 48)</p> <p>38CN: 710.025 MHz to 782.000 MHz (UHF-TV channels 38 to 46)</p> <p>E: 794.125 MHz to 805.875 MHz</p> <p>BJ: 806.125 MHz to 809.750 MHz</p> <p>KR: 925.125 MHz to 937.500 MHz</p>
Frequency Response	<p>23 Hz to 18 kHz (Typical) (UC, U, CE, LA, CN, E, KR models)</p> <p>40 Hz to 15 kHz (Typical) (J model)</p>
Signal-to-Noise Ratio	60 dB (1 kHz sine wave, 5 kHz modulation)
Distortion (T.H.D)	0.9% or less (1 kHz sine wave, 5 kHz modulation)
Audio Delay	<p>Approx. 0.35 ms (analog output)</p> <p>Approx. 0.24 ms (digital output)</p>
Audio Output Connector	3.5 mm diameter 3-pole locking mini jack, external connection

Audio Output Level	-60 dBV (3.5 mm diameter 3-pole locking mini jack, analog output, 0 dB audio output level) -20 dBFS (external connection, digital output, 0 dB audio output level) -50 dBFS (external connection, analog output, 0 dB audio output level)
Analog Audio Output Adjustment Range	-12dB - +12dB (3dB step)
Headphone Output Connector	3.5 mm diameter mini jack
Headphone Output Level	Max. 10mW (16-ohm)
Tone Signal Frequency	In UWP-D compander mode: 32.382 kHz In UWP compander mode: 32 kHz In WL800 compander mode: 32.768 kHz
Display	OLED
Power Requirements	DC 3.0 V (two LR6/AA size alkaline batteries) DC 5.0 V (supplied from USB Type-C connector)
Battery Life*	Approx. six hours *Battery life has been measured with two Sony LR6/AA size alkaline batteries

at 25 °C (77 °F) DISPLAY
MODE set to AUTO OFF.

Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage/Transport Temperature	-4°F to 140°F (-20°C to +60°C)
Dimensions	63 × 70 × 31 mm (2 1/2 × 2 7/8 × 1 1/4 in) (W / H / D) (excluding antenna)
Mass	Approx. 131 g (4.6 oz) (excluding batteries)

Related products



UTX-B40

UWP-D bodypack transmitter



UTX-M40

UWP-D handheld microphone with unidirectional capsule



UTX-P40

UWP-D XLR plug-on transmitter



UTX-B03HR

UWP-D body-pack transmitter



UWP-D21

UWP-D bodypack wireless microphone package



UWP-D26

UWP-D bodypack transmitter and XLR plug-on wireless microphone transmitter package



UWP-D22

UWP-D handheld wireless microphone package

Gallery

