

UTX-B40

UWP-D bodypack transmitter



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 (IR sync capability with URX-P03, URX-P03D, and URX-S03D receivers)
- Auto gain mode volume control
- +15 dB gain volume boost mode for off-mic audio
- Line input
- Transmitter frequency sent to receiver for matching multiple receivers to one transmitter
- Variable muting function
- Compatibility with Sony WL-800/UWP/UWP-D series
- High visibility OLED display, ideal for indoor/outdoor use
- USB connector for power supply
- Includes ECM-V1BMP lavalier microphone

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.

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
Antenna Type	1/4 λ wavelength wire antenna
Carrier Frequencies	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 21CE : 470.025 MHz to 542.000 MHz(UHF-TV channels 21 to 29) 33CE : 566.025 MHz to 630.000 MHz(UHF-TV channels 33 to 40) 42CE : 638.025 MHz to 694.000 MHz (UHF-TV channels 42 to 48) 38CN : 710.025 MHz to 782.000 MHz(UHF-TV channels 38 to 46) E : 794.125 MHz to 805.875 MHz BJ: 806.125 MHz to 809.750 MHz KR : 925.125 MHz to 937.500 MHz
RF Output Power	30 mW/5 mW selectable (UC, U, CE, LA, CN models) 10 mW/2 mW selectable (J, E, KR models)
Capsule Type	Electret condenser
Directivity	Omni-directional
Input Connector	3.5mm diameter 3-pole locking mini jack
Reference Audio Input Level	−60 dBV (MIC input, GAIN MODE set to NORMAL, 0 dB attenuation) +4 dBu (LINE input)
Audio Attenuator Adjustment Range	0 dB to 27 dB (3dB steps)
Frequency Response	23 Hz to 18 kHz (Typical) (UC, U, CE, LA, CN, E, KR models) 40 Hz to 15 kHz (Typical) (J model)
Signal-to-Noise Ratio	60 dB (−60 dBV, 1 kHz input) 102 dB (GAIN MODE set to AUTO GAIN, max.) 96 dB (GAIN MODE set to NORMAL, max.)
Distortion	0.9% or less (−60 dBV, 1 kHz input)
Audio Delay	Approx. 0.35 ms
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. 8 hours with output power of 30 mW (UC, U, CE, LA, CN models) Approx. 10 hours with output power of 10 mW (J, E, KR models) *Battery life has been measured with two Sony LR6/AA size alkaline 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 × 73 × 19 mm (2 1/2 × 2 7/8 × 3/4 in.) (W / H / D) (excluding antenna)
Mass	Approx. 83 g (2.9 oz) (excluding batteries)

Related products



UWP-D21
UWP-D bodypack wireless microphone package



UWP-D22
UWP-D handheld wireless microphone package



URX-P40
UWP-D portable receiver



UWP-D26
UWP-D bodypack transmitter and XLR plug-on wireless microphone transmitter package



URX-P03D
UWP-D two-channel portable receiver

Gallery

