

UTX-M40

UWP-D handheld microphone
with unidirectional capsule



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)
- Interchangeable head for wide choice of microphone capsules
- Auto gain mode volume control
- +15 dB gain volume boost mode for off-mic audio
- 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

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
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Antenna Type	1/4 λ wavelength wire antenna
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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

Carrier Frequencies	<p>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</p> <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>
RF Output Power	<p>30 mW/5 mW selectable (UC, U, CE, LA, CN models)</p> <p>10 mW/2 mW selectable (J, E, KR models)</p>
Capsule Type	Dynamic
Directivity	Uni-directional
Reference Audio Input level	-55 dBV (GAIN MODE set to NORMAL, 0 dB attenuation)
Maximum Audio Input Level	151 dB SPL (21 dB attenuation, using supplied microphone unit)

Audio Attenuator Adjustment Range	0 dB to 21 dB (3 dB steps)
Frequency Response	70 Hz to 18 kHz (Typical) (UC, U, CE, LA, CN, E, KR models) 70 Hz to 15 kHz (Typical) (J model)
Signal-to-Noise Ratio	60 dB (-60 dBV, 1 kHz sine wave input) 102 dB (GAIN MODE set to AUTO GAIN, max deviation, A-weighted) 96 dB (GAIN MODE set to NORMAL, max deviation, A-weighted)
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)
	Approx. 8 hours with output power

Battery life* 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 $\varnothing 48 \times 258$ mm (1 15/16 \times 10 1/4 in.) (diameter / length)

Mass Approx. 255 g (9.0 oz) (excluding batteries)

Related products



URX-P03D

UWP-D two-channel portable receiver



URX-P40

UWP-D portable receiver



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



URX-S03D

UWP-D two-channel
slot-in receiver

Gallery

