



New UWP-D Series

GO MAKE
TOMORROW

UWP Series

Allowing the content professional the ability to concentrate on high quality content and high quality audio!

NEW UWP-D Introduction

- Low Profile & Lightweight for use on Camcorder and DSLR
 - ✓ *Smaller transmitter & receiver, plus smaller MI shoe adapter*
- Improve the quality of your audio
 - ✓ *MI shoe adapter with Digital Audio Interface improves S/N level and sound quality*
- “NFC SYNC” function & Auto Gain mode
 - ✓ *Fast & easy to use in the field plus now eliminate unwanted noise*

3 New kits – from October 2019

UWP-D21 – belt pack and receiver (*replaces D11 pack*) – Oct 19

UWP-D22 – handheld and receiver (*replaces D12 pack*) – Nov 19

UWP-D26 – plug on, belt pack and receiver (*replaces D16 pack*) – Nov 19



Three New Kits



UWP-D21
Belt pack and
receiver
(replaces D11 pack)



UWP-D22
Handheld and
receiver
(replaces D12 pack)



UWP-D26
Plug on, belt pack
and receiver
(replaces D16 pack)

All new components



UTX-B40



UTX-M40



UTX-P40



URX-P40



SMAD-P4



SMAD-P5



BATC-4AA

What is being replaced ...

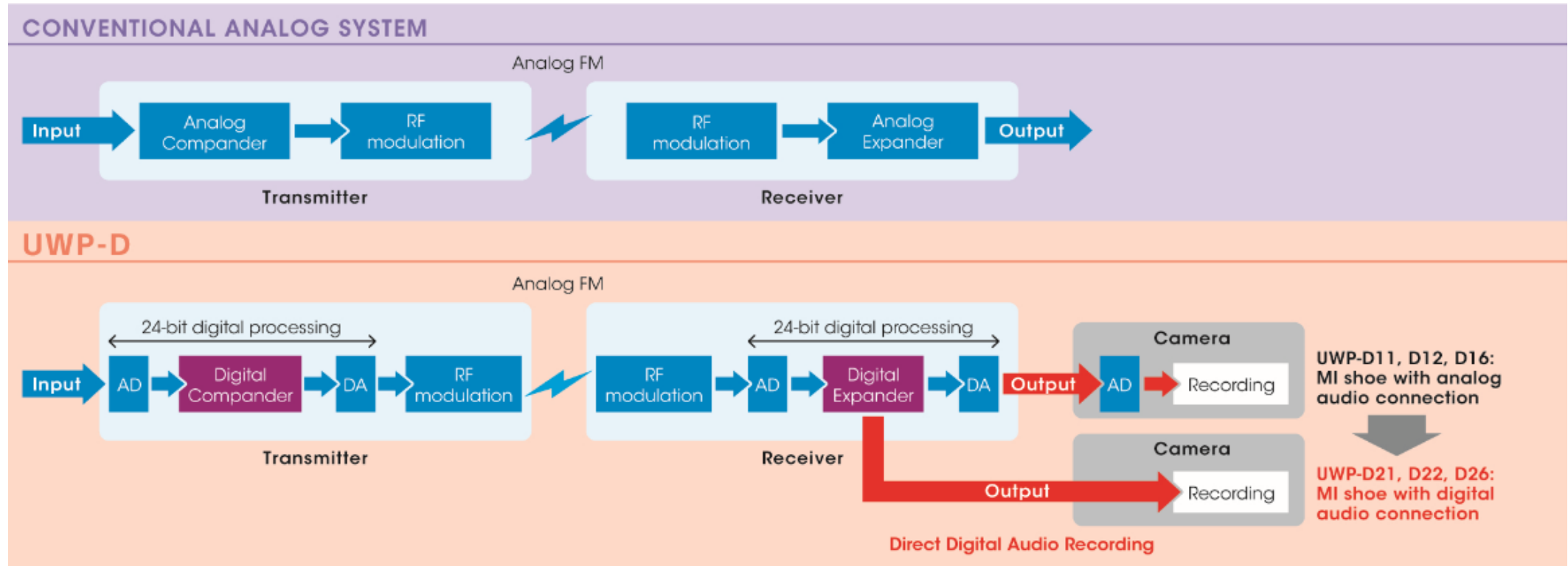


NEW Model	Description	For New Models
URX-P40/K21	New UWP-D portable receiver, TV-channel 21-30, 470,025-542,000 MHz, Digital Audio Interface compatible, NFC Sync	Successor of URX-P03/K21
URX-P40/K33	New UWP-D portable receiver, TV-channel 33-41, 566,025-630,000 MHz, Digital Audio Interface compatible, NFC Sync	Successor of URX-P03/K33
URX-P40/K42	New UWP-D portable receiver, TV-channel 42-48, 638,025-694,000 MHz, Digital Audio Interface compatible, NFC Sync	Successor of URX-P03/K42
UTX-B40//K E	New UWP-D belt pack transmitter, ISRAEL ONLY	Successor of UTX-B03//K E
UTX-B40/K21	New UWP-D belt pack transmitter, TV-channel 21-30, 470,025-542,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-B03/K21
UTX-B40/K33	New UWP-D belt pack transmitter, TV-channel 33-41, 566,025-630,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-B03/K33
UTX-B40/K42	New UWP-D belt pack transmitter, TV-channel 42-48, 638,025-694,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-B03/K42
UTX-M40//K E	New UWP-D Handheld microphone transmitter, ISRAEL ONLY	New model
UTX-M40/K21	New UWP-D Handheld microphone transmitter, TV-channel 21-30, 470,025-542,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-M03/K21
UTX-M40/K33	New UWP-D Handheld microphone transmitter, TV-channel 33-41, 566,025-630,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-M03/K33
UTX-M40/K42	New UWP-D Handheld microphone transmitter, TV-channel 42-48, 638,025-694,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-M03/K42
UTX-P40//K E	New UWP-D Plug On transmitter, ISRAEL ONLY	Successor of UTX-P03//K E
UTX-P40/K21	New UWP-D Plug On transmitter, +48V Phantom Power, TV-channel 21-30, 470,025-542,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-P03/K21
UTX-P40/K33	New UWP-D Plug On transmitter, +48V Phantom Power, TV-channel 33-41, 566,025-630,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-P03/K33
UTX-P40/K42	New UWP-D Plug On transmitter, +48V Phantom Power, TV-channel 42-48, 638,025-694,000 MHz, Digital Audio Processing technology, NFC Sync	Successor of UTX-P03/K42
UWP-D21//K E	New UWP ENG UHF wireless kit, URX-P40 portable receiver, UTX-B40 belt pack - ISRAEL ONLY	New model
UWP-D21/K21	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack + lavalier microphone and accessories, TV-channel 21-30, 470,025-542,000 MHz	Successor of UWP-D11/K21
UWP-D21/K33	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack + lavalier microphone and accessories, TV-channel 33-41, 566,025-630,000 MHz	Successor of UWP-D11/K33
UWP-D21/K42	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack + lavalier microphone and accessories, TV-channel 42-48, 638,025-694,000 MHz	Successor of UWP-D11/K42
UWP-D22/K21	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-M40 handheld microphone, TV-channel 21-30, 470,025-542,000 MHz	Successor of UWP-D12/K21
UWP-D22/K33	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-M40 handheld microphone, TV-channel 33-41, 566,025-630,000 MHz	Successor of UWP-D12/K33
UWP-D22/K42	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-M40 handheld microphone, TV-channel 42-48, 638,025-694,000 MHz	Successor of UWP-D12/K42
UWP-D26//K E	New UWP ENG UHF wireless kit, URX-P40 portable receiver, UTX-B40 belt pack, UTX-P40 Plug On - ISRAEL ONLY	New model
UWP-D26/K21	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack, UTX-P40 Plug On, lavalier microphone and accessories, TV-channel 21-30, 470,025-542,000 MHz	Successor of UWP-D16/K21
UWP-D26/K33	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack, UTX-P40 Plug On, lavalier microphone and accessories, TV-channel 33-41, 566,025-630,000 MHz	Successor of UWP-D16/K33
UWP-D26/K42	New UWP ENG UHF wireless kit, includes URX-P40 portable receiver, UTX-B40 belt pack, UTX-P40 Plug On, lavalier microphone and accessories, TV-channel 42-48, 638,025-694,000 MHz	Successor of UWP-D16/K42

Digital Audio Interface

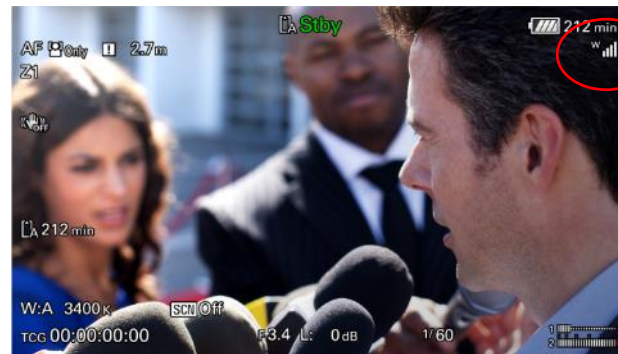
Sound quality is the most important issue in wireless transmission. Conventional analog systems make use of companders to provide the required dynamic range. However, while compander systems have improved over time, their inherent problems with sound quality and transient response performance have yet to be completely solved.

Sony Digital Audio Processing, which uses DSP (digital signal processing) for digital companding, produces high sound quality



Digital Audio Interface support MI shoe

- URX-P40 receiver can be attached to camcorders or Interchangeable-lens cameras that have an MI (Multi-Interface) shoe using the MI shoe adaptor.
- This eliminates the need for connecting cables and 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.
- The combination of the New URX-P40 and SMAD-P5 supports Digital Audio Interface which delivers high sound quality with low noise by direct digital audio recording. It also achieves advanced integration with the camcorders and can show audio information on the viewfinder for enhanced usability in the field.



RF level meter



[M] for TX muting

NFC Sync Function & Auto gain mode volume control

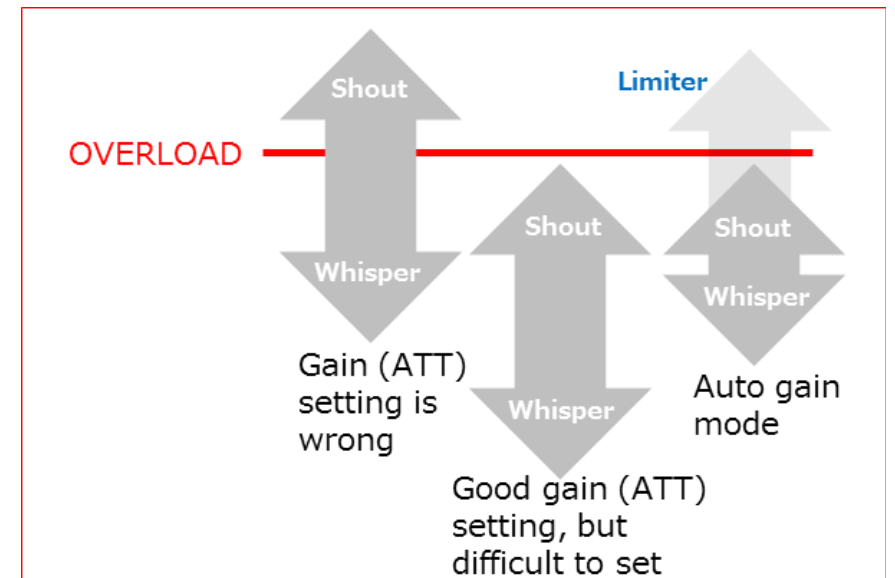


Auto gain mode

Sets the gain moderately high, and uses a limiter to help prevent distortion.

Choose this mode as the first choice when the loudness of voice is unknown.

- BEFORE: Audio engineer handled wireless microphone. So, they knew how to adjust mic gain with attenuator.
- NOW: Cameraman or Videographer has to handle wireless microphone. They're not familiar with mic gain, so they will appreciate the automatic gain mode.



Other features to highlight ...

True Diversity Reception System for Stable RF Transmission

The UWP-D Series reduces interruptions in reception (RF signal dropout) to a minimum. Utilizing a true diversity reception system, it achieves highly stable reception because of its two receiving antennas, each with RF circuits.

Wide Frequency Coverage

The system's operating bandwidth (up to 72 MHz*) achieves great mobility to cover a wide area and provide more channel options.

*Depends on the country or frequency version.

±15 dB gain volume boost mode for off-mic audio (URX-B40, UTX-P40 and UTX-M40)

Boosts the gain by 15 dB for when the microphone is further away and the audio level is insufficient. It's very convenient for interviews.

Channel memory function for fast switching between two receiver frequencies

Enables the user to switch between a previously set channel and current channel quickly. This is useful when using one tuner in combination with two transmitters.

Variable muting function (URX-B40, UTX-P40 and UTX-M40)

Pressing the MUTE button while transmitting mutes the audio so that audio from the tuner is not output. This function sets the muted audio for various operations of the MUTE button allowing the user to choose how to MUTE.

Output Level Control for receiver

This receiver function enables control of the receiver output sound level: ±12 dB. This can be useful if your camcorder don't offer manual input level control.

High visibility OLED display (UTX-B40, UTX-P40, UTX-M40 and URX-P40)

The quick response of the OLED (organic light-emitting diode) display enables real-time operating conditions to be displayed clearly and accurately.

Interchangeable head for wide choice of microphone capsule (UTX-M40)

A number of third party capsules can be used on the UTX-M40 handheld microphone (the thread pitch is 1.25"/28 (31.3 mm/pitch 1.0 mm threading))

±48V power supply (UTX-P40)

This function enables direct connection of dynamic microphones and condenser microphones requiring DC 48V powering on the plug on transmitter

Specifications

		URX-P40 Portable Receiver
Oscillator Type	Crystal-controlled PLL Synthesizer	
Reception Type	True diversity method	
Antenna Type	1/4 λ wavelength wire antenna (angle-adjustable)	
Carrier Frequencies	UC/U/LA	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 25-36)
		42LA: 638.125 MHz to 697.875 MHz(UHF-TV channels 42-51)
		90U: 941.625 MHz to 951.875 MHz, 953.000MHz to 956.125 MHz, and 956.625MHz to 959.625 MHz
	CE7	21CE: 470.025 MHz to 542.000 MHz(UHF-TV channels 21-29)
		33CE: 566.025 MHz to 630.000 MHz(UHF-TV channels 33-40)
		42CE: 638.025 MHz to 694.000 MHz (UHF-TV channels 42-48)
		38CN: 710.025 MHz to 782.000 MHz(UHF-TV channels 38-46)
E	794.125 MHz to 805.875 MHz	
J	B: 806.125 MHz to 809.750 MHz	
KR	925.125 MHz to 937.500 MHz	
Frequency Response	UC/U/LA/CE7/ CN/KR/E	40 Hz to 18 kHz (typical)
	J	40 Hz to 15 kHz (typical)
Distortion (T.H.D)	0.9% or less (-60 dBV, 1 kHz input)	
Signal-to-Noise Ratio	Signal-to-noise ratio 60 dB (1 kHz sine wave, 5 kHz modulation)	
Audio Delay	Approx. 0.35 ms (analog output) Approx. 0.24 ms (digital output)	
Audio output level	-60 dBV (3.5 mm diameter mini jack, analog output)	
	-20 dBFS (external connection, digital output) -50 dBV (external connection, analog output)	
Audio Output Adjust Range	-12dB - +12dB (3dB step)	
Audio output connector	3.5mm diameter 3-pole locking mini jack, external connection	
Headphone output connector	3.5mm diameter mini jack	
Headphone Output Level	Max. 10mW (at 16-ohm load)	
Display	OLED	
Power Requirements	DC 3.0 V (with two AA-size alkaline (LR6) batteries)	
	DC 5.0 V (via USB type C)	
Battery Life	Approx. 6 hours (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	-20°C to +55°C (-4°F to +131°F)	
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)	

		UTX-B40 Bodypack Transmitter
Oscillator Type	Crystal-controlled PLL Synthesizer	
Antenna Type	1/4λ wave length wire	
Carrier Frequencies	UC/U/LA	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 25-36)
		42LA: 638.125 MHz to 697.875 MHz(UHF-TV channels 42-51)
		90U: 941.625 MHz to 951.875 MHz, 953.000MHz to 956.125 MHz, and 956.625MHz to 959.625 MHz
	CE7	21CE: 470.025 MHz to 542.000 MHz(UHF-TV channels 21-29)
		33CE: 566.025 MHz to 630.000 MHz(UHF-TV channels 33-40)
		42CE: 638.025 MHz to 694.000 MHz (UHF-TV channels 42-48)
		38CN: 710.025 MHz to 782.000 MHz(UHF-TV channels 38-46)
E	794.125 MHz to 805.875 MHz	
J	B: 806.125 MHz to 809.750 MHz	
KR	925.125 MHz to 937.500 MHz	
RF Output Power	UC/CE7/CN	30 mW / 5 mW
	J/KR/E	10 mW / 2 mW
Capsule Type	Electret condenser	
Directivity	Omni-directional	
Input Connector	3.5mm diameter 3-pole locking mini jack	
+48 V Power Supply	-	
Reference audio Input Level	MIC: -60 dBV (at 0-dB attenuator level) / LINE: +4 dBu	
Audio Attenuator Adjustment Range	0 dB to 27 dB (3dB steps)	
Frequency Response	UC/U/LA/CE7/ CN/KR/E	Transmission: 23 Hz to 18 kHz (typical)
	J	Transmission: 40 Hz to 15 kHz (typical)
Distortion (T.H.D)	0.9% or less (-60 dBV, 1 kHz input)	
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.)	
Audio Delay	Approx. 0.35 msec	
Display	OLED	
Power Requirements	DC 3.0 V (with two AA-size alkaline (LR6) batteries)	
	DC 5.0 V (via USB type C)	
Battery Life	(measured with two Sony LR6/AA size alkaline batteries at 25 °C (77 °F), DISPLAY MODE set to AUTO OFF) 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)	
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)	

Specifications

		UTX-M40 Handheld Microphone
Oscillator Type		Crystal-controlled PLL Synthesizer
Antenna Type		1/4λ wave length wire
Carrier Frequencies	UC/U/LA	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 25-36)
		42LA: 638.125 MHz to 697.875 MHz(UHF-TV channels 42-51)
		90U: 941.625 MHz to 951.875 MHz, 953.000MHz to 956.125 MHz, and 956.625MHz to 959.625 MHz
	CE7	21CE: 470.025 MHz to 542.000 MHz(UHF-TV channels 21-29)
		33CE: 566.025 MHz to 630.000 MHz(UHF-TV channels 33-40)
		42CE: 638.025 MHz to 694.000 MHz (UHF-TV channels 42-48)
		38CN: 710.025 MHz to 782.000 MHz(UHF-TV channels 38-46)
CN	794.125 MHz to 805.875 MHz	
E	B: 806.125 MHz to 809.750 MHz	
J	925.125 MHz to 937.500 MHz	
RF Output Power	UC/U/CE7/CN	30 mW / 5 mW
	J/KR/E	10 mW / 2 mW
Capsule Type		Dynamic
Directivity		Uni-directional
Maximum Input Level		151 dB SPL (at 21 dB attenuator level)
+48 V Power Supply		-
Reference audio Input Level		-55 dBV (GAIN MODE set to NORMAL, 0 dB attenuation)
Audio Attenuator Adjustment Range		0 dB to 21 dB (3 dB steps)
Frequency Response	UC/U/LA/CE7/CN/KR/E	70 Hz to 18 kHz (typical)
	J	70 Hz to 15 kHz (typical)
Distortion (T.H.D)		0.9% or less (-60 dBV, 1 kHz input)
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.)
Audio Delay		Approx. 0.35 msec
Display		OLED
Power Requirements		DC 3.0 V (with two AA-size alkaline (LR6) batteries)
Battery Life		(measured with two Sony LR6/AA size alkaline batteries at 25 °C (77 °F), DISPLAY MODE set to AUTO OFF) 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)
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		ø48 × 258 mm (1 15/16 × 10 1/4 in.) (diameter / length)
Mass		Approx. 255 g (9.0 oz) (excluding batteries)

		UTX-P40 Plug-on Transmitter
Oscillator Type		Crystal-controlled PLL Synthesizer
Carrier Frequencies	UC/U/LA	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 25-36)
		42LA: 638.125 MHz to 697.875 MHz(UHF-TV channels 42-51)
		90U: 941.625 MHz to 951.875 MHz, 953.000MHz to 956.125 MHz, and 956.625MHz to 959.625 MHz
	CE7	21CE: 470.025 MHz to 542.000 MHz(UHF-TV channels 21-29)
		33CE: 566.025 MHz to 630.000 MHz(UHF-TV channels 33-40)
		42CE: 638.025 MHz to 694.000 MHz (UHF-TV channels 42-48)
		38CN: 710.025 MHz to 782.000 MHz(UHF-TV channels 38-46)
CN	794.125 MHz to 805.875 MHz	
E	B: 806.125 MHz to 809.750 MHz	
J	925.125 MHz to 937.500 MHz	
RF Output Power	UC/U/LA	40 mW / 5 mW
	CE7/CN	30 mW / 5 mW
	J/KR/E	10 mW / 2 mW
Input Connector		XLR-3-11C type (female)
Power Supply		+48 V
Reference audio Input Level		-60 dBV (MIC input, GAIN MODE set to NORMAL, 0 dB attenuation)
Audio Attenuator Adjustment Range		0 dB to 48 dB (3 dB steps)
Frequency Response	UC/U/LA/CE7/CN/KR/E	23 Hz to 18 kHz (typical)
	J	40 Hz to 15 kHz (typical)
Distortion (T.H.D)		0.9% or less (-60 dBV, 1 kHz input)
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.)
Audio Delay		Approx. 0.35 msec
Display		OLED
Power Requirements		DC 3.0 V (with two AA-size alkaline (LR6) batteries) DC 5.0 V (via USB type C)
Battery Life		(measured with two Sony LR6/AA size alkaline batteries at 25 °C (77 °F), DISPLAY MODE set to AUTO OFF) During +48V OFF: Approx. 7 hours with output power of 40 mW (UC, U, LA models) Approx. 8 hours with output power of 30 mW (CE, CN models) Approx. 10 hours with output power of 10 mW (J, E, KR models) During +48V ON and ECM-673 connection: Approx. 6 hours with output power of 40 mW (UC, U, LA models) Approx. 6 hours with output power of 30 mW (CE, CN models) Approx. 7 hours with output power of 10 mW (J, E, KR models)
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		38 × 98 × 38 mm (1 1/2 × 3 7/8 × 1 1/2 in.) (W / H / D) (including the audio input connector)
Mass		Approx. 139 g (4.9 oz) (excluding batteries)