

SONY

Sony Imaging Products & Solutions Inc

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Declaration Letter of FCC 17-95

September 6, 2018

Federal Communication Commission
Equipment Authorization Division
Application Processing Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

FCC ID : AK8UTXP03
Applicant : Sony Corporation

To Whom It May Concern:

We inform on the website that users of current devices already sold must be required to cease operating no later than July 13, 2020. Please refer to next page for details of website notice.

In addition, we will limit the transmit frequency of the devices upon request from users.

We, manufacturer declared together, to review and understand the requirements of FCC 17-95. After transition period, it is the manufacturer's responsibility to have nonconforming items in the market.

Thank you for your attention to this matter.

Sincerely,



Ryui Tatsumi
Senior Manager
Product Safety Section
Product Compliance Department
Sony Imaging Products and Solutions Inc.

UTX-P03

UWP-D XLR plug-on transmitter



Overview

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

The UTX-P03 XLR 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, automatic channel setting function, micro 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.

Provides 48V phantom power

Using 3 pin XLR the UTX-P03 provides 48V phantom power to the microphone and converts a wired microphone to a wireless microphone via an XLR connector.

Sony 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 analog wireless systems.

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 to 36)

42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42 to 51), 25 kHz steps (not available in the US or Canada)

Easy to use features

Large display, automatic channel setting function, micro USB connection for power supply and line input availability.

For customers in North America

The UTX-P03/30 and UTX-P03/42 models operate 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.

Features

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 analog wireless systems. It provides superb transient response performance. Analog companding systems cannot accurately reproduce sounds such as a bell, tee shot or handclap, but Sony Digital Audio Processing reproduces them faithfully.

Provides 48V phantom power and connects to any microphone with 3 pin XLR connection

Converts a wired microphone to a wireless microphone via an XLR connector. The plug-on transmitter expands the flexibility of the UWP-D system.

Large display for ease of use

The UTX-P03 XLR plug-on transmitter features 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 analog 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 UTX-P03 XLR plug-on transmitter has 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 transmitter to be charged through the micro USB.

Robust metal body

The UTX-P03 XLR plug-on transmitter is 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 $\pm 12\text{dB}$, for use with the various input levels of camcorders and DSLR cameras.

Specifications

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.

UTX-P03 Plug-on transmitter

Oscillator Type	Crystal-controlled PLL Synthesizer
Antenna Type	Integral type
Type of Emission	F3E
Carrier Frequencies: Americas	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 to 36) 42LA: 638.125 MHz to 697.875 MHz (UHF-TV channels 42 to 51), 25 kHz steps (not available in the US or Canada)
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: Thailand, Taiwan, Singapore	E: 794.125 MHz to 805.875 MHz
Carrier Frequencies: South Korea	KR3: 925.125 MHz to 937.500 MHz
RF Power: Americas	40 mW / 5 mW
RF Power: Europe, UAE, South Africa, Australia, Malaysia, Vietnam, New Zealand	30 mW / 5 mW
RF Power: South Korea, Thailand, Taiwan, Singapore	10 mW / 2 Mw

Input Connector	UTX-P03: XLR-3-11C (female)
Phantom Power Voltage	UTX-P03: +48V
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 Africa, Australia, Malaysia, Vietnam, New Zealand	Transmission 23 Hz to 18 kHz (typical)
Frequency Response: China, Thailand, Taiwan, Singapore, South Korea	Transmission 23 Hz to 18 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	Approx six hours with Sony's AA-size alkaline (LR6) batteries at 25°C (77°F) at 50-mW output
Battery Operating Time: Europe, UAE, South Africa, Australia, Malaysia, Vietnam, New Zealand	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, 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	42 x 42 x 102 mm (W x H x D)
Mass	Approx. 197 g (including batteries)

Related products



UWP-D11

Belt-pack UWP-D wireless microphone package



UWP-D12

UWP-D wireless microphone package with handheld transmitter



UTX-B03

UWP-D belt-pack transmitter



UTX-B03HR

UWP-D body-pack transmitter



UTX-M03

UWP-D handheld microphone with uni-directional capsule



URX-P03

UWP-D portable receiver

URX-S03D

UWP-D two-channel slot-in receiver

UWP-D16

Belt-pack UWP-D wireless microphone package with XLR plug-on transmitter

URX-P03D

UWP-D two-channel portable receiver

Gallery

