



# UWP Series

UHF Wireless Microphone Package

# The Sony UWP Series

The Sony UWP Series UHF Wireless Microphone Package, introduced in 2003, set a milestone in the history of wireless microphone systems with its uncompromised ease of operation. It brought a number of significant benefits to wireless applications, including highly stable audio reception by utilizing a space diversity reception system and proven interference-free multi-channel operation. Since its introduction, the UWP Series has been widely adopted around the world for a variety of applications such as news-gathering, interviewing, professional video production, entertainment, live events, and conferences to name just a few.

Sony further evolved the UWP Series by offering five different packages – the UWP-V1, UWP-V2, UWP-V6, UWP-X7, and UWP-X8 – offering a high level of stability, mobility, robustness, and operational convenience. Each package comes with both a transmitter and a receiver, allowing the user to get up and running straight out of the box.

The UWP-V Series package models – UWP-V1, UWP-V2, and UWP-V6 – come with a transmitter and portable-type receiver, suitable for use with a Sony camcorder for ENG and EFP applications, while the UWP-X Series models – the UWP-X7 and UWP-X8 – come with a transmitter and a tuner module that can be installed into a mixer or tuner base unit, ideal for PA applications. The transmitters include the UTX-B2 bodypack transmitter, the UTX-H2 handheld microphone, and the UTX-P1 plug-on transmitter, while the receivers include the URX-P2 portable tuner and the URX-M2 tuner module.

One of the most outstanding features of the UWP Series is its extremely robust metal chassis, which enables it to withstand even harsh operating environments and makes it perfect for use out in the field. In addition, various functionalities such as auto channel scanning, selectable MIC/LINE input, and extended operating time plus a broad range of packages, stable transmission/reception capability, and enhanced operability, make the UWP Series an ideal choice for all types of wireless sound-gathering microphone applications.



# Common Features

## Compact, Lightweight, and Robust Design

All components of the UWP Series – the bodypack transmitter, handheld microphone, plug-on transmitter, portable receiver, and tuner module – utilize an extremely robust metal chassis, which is ideal for heavy-duty wireless operations. The metal body also allows for an extremely compact and lightweight design, providing the high level of mobility required for ENG and EFP operations. What's more, the black body complements Sony's professional camcorders extremely well.



## Stable Transmission and Reception

The UWP Series Wireless Microphone Package uses three core technologies to provide stable transmission and reception:

### PLL Synthesized System

The UWP Series employs a UHF PLL (Phase Locked Loop) frequency synthesized system, which provides a stable carrier signal that helps to avoid interference with other frequency channels and allows for easy access to multiple frequencies. The PLL-controlled system provides highly stable, user-selectable frequencies in increments of 125 kHz.

### Space Diversity Reception System

Typically, wireless microphone transmission systems can be subject to interruptions in reception (signal dropout), but the UWP Series reduces this to a minimum. Utilizing a space diversity reception system, it achieves stable reception by using dual-antenna inputs/reception circuits. These receive signals over two different paths and automatically select the stronger RF signal for output. The angle of the antennas on the portable receiver can also be adjusted, which helps to further eliminate signal dropout.



## Tone Squelch Circuitry

The UWP Series transmitters transmit a 32-kHz pilot-tone signal along with the audio signal. The tuner's squelch circuit recognizes this tone signal, and outputs the audio signal only when this tone signal is received. This function virtually prevents the output of unwanted signals and noise from other signal transmissions in the air, as well as the RF and popping noises that occur when the transmitter is powered on or off.

## Pre-programmed Operating Frequencies

The transmitters and tuners included in the UWP Series incorporate groups of intermodulation-free preprogrammed frequencies that have been carefully calculated and practically tested. By selecting from these preprogrammed frequency groups, users can quickly and easily operate up to 16 wireless microphones simultaneously.

The UWP Series operates within the following frequency ranges:

Operating frequencies			Selectable frequencies
U model	U3032	566 MHz to 590 MHz	188 (in 125-kHz steps)
	U4244	638 MHz to 662 MHz	188 (in 125-kHz steps)
CE model	CE33	566 MHz to 590 MHz	189 (in 125-kHz steps) /960 (in 25-kHz steps)
	CE38	606 MHz to 630 MHz	189 (in 125-kHz steps) /960 (in 25-kHz steps)
	CE42	638 MHz to 662 MHz	189 (in 125-kHz steps) /960 (in 25-kHz steps)
	CE57	758 MHz to 782 MHz	189 (in 125-kHz steps) /960 (in 25-kHz steps)
	CE62	798 MHz to 822 MHz	189 (in 125-kHz steps) /960 (in 25-kHz steps)
AU model	AU66	792 MHz to 806 MHz	102 (in 125-kHz steps)
CN model	CN	758 MHz to 782 MHz	188 (in 125-kHz steps)
E model	E	794 MHz to 806 MHz	94 (in 125-kHz steps)

## Auto Channel Scanning Function

The URX-P2 portable receiver and URX-M2 tuner module provide a convenient auto channel scanning function that allows for fast, easy, and safe frequency channel changes. These models automatically detect unoccupied channels, allowing operators to easily select the most appropriate channel.

# UWP Series Package Lineup

## UWP-V1

U3032 U4244 CE33 CE38 CE42 CE57 CE62 AU66 CN E



- Consists of UTX-B2V bodypack transmitter and URX-P2 portable receiver
- UTX-B2V bodypack transmitter
  - Extremely compact, lightweight, and robust metal body
  - Switchable MIC/LINE input level and adjustable attenuator (0 to 21 dB, 3-dB steps)
  - Supplied omni-directional lavalier microphone utilizes a miniature metal body
- URX-P2 portable receiver
  - Compact, lightweight, and robust metal body – well-suited for use with Sony's professional camcorders
  - Convenient auto channel scanning function, allowing automatic search for unoccupied channels

### Supplied accessories

Common	Operating instructions (x1), Battery case (x1) for CN model (x1)
UTX-B2V	Omni-directional lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), belt clip (x1)
URX-P2	Shoe-mount adapter (x1), belt clip (x1), cables (3-pole locking mini plug/XLR type and 3-pole locking mini plug/stereo mini plug) (x1 each)

## UWP-V2

U3032 U4244 CE33 CE38 CE42 CE57 CE62 AU66 CN E



- Consists of UTX-H2 handheld microphone and URX-P2 portable receiver
- UTX-H2 handheld microphone
  - Incorporates a uni-directional dynamic microphone capsule with minimized popping and wind noise
- URX-P2 portable receiver
  - Compact, lightweight, and robust metal body – well-suited for use with Sony's professional camcorders
  - Convenient auto channel scanning function, allowing automatic search for unoccupied channels

### Supplied accessories

Common	Operating instructions (x1), Battery case (x1) for CN model
UTX-H2	Microphone holder (x1)
URX-P2	Shoe-mount adapter (x1), belt clip (x1), cables (3-pole locking mini plug/XLR type and 3-pole locking mini plug/stereo mini plug) (x1 each)

## UWP-V6

U3032 U4244 CE38 CE57 CE62

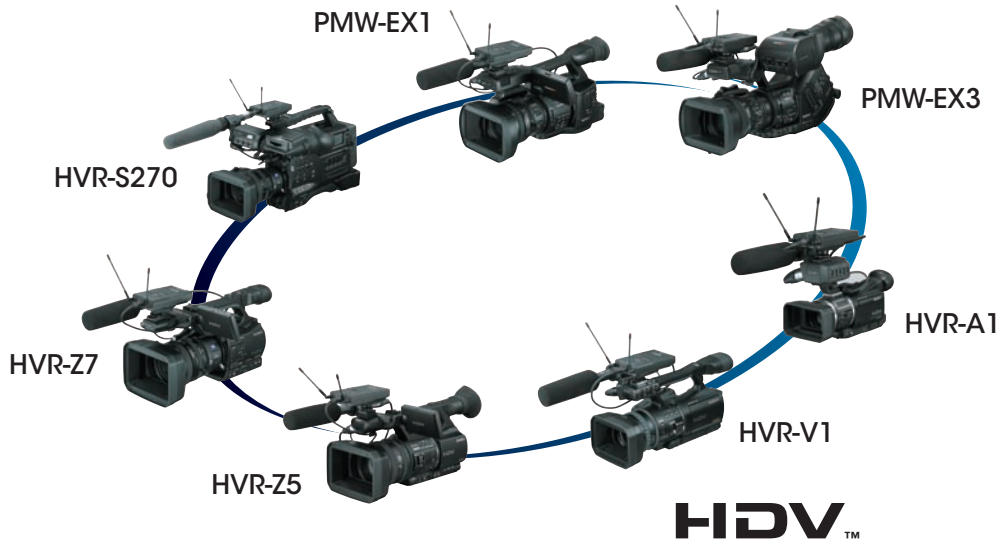


- Consists of UTX-B2V bodypack transmitter, UTX-P1 plug-on transmitter, and URX-P2 portable receiver
- UTX-B2V bodypack transmitter
  - Extremely compact, lightweight, and robust metal body
  - Switchable MIC/LINE input level and adjustable attenuator (0 to 21 dB, 3-dB steps)
  - Supplied omni-directional lavalier microphone utilizes a miniature metal body
- UTX-P1 plug-on transmitter
  - Converts a wired microphone to a wireless microphone via an XLR-type connector
- URX-P2 portable receiver
  - Compact, lightweight, and robust metal body – well-suited for use with Sony's professional camcorders
  - Convenient auto channel scanning function, allowing automatic search for unoccupied channels

### Supplied accessories

Common	Operating instructions (x1)
UTX-B2V	Omni-directional lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), belt clip (x1)
UTX-P1	Soft case (x1)
URX-P2	Shoe-mount adapter (x1), belt clip (x1), cables (3-pole locking mini plug/XLR type and 3-pole locking mini plug/stereo mini plug) (x1 each)

## XDCM EX™



UWP-V series is ideal choice for Sony's compact camcorders for ENG and EFP applications.

## UWP-X7

U3032 U4244 CE33 CE38 CE42 CE57 CE62 AU66 CN E



- Consists of UTX-B2X bodypack transmitter and URX-M2 tuner module
- UTX-B2X bodypack transmitter
  - Extremely compact, lightweight, and robust metal body
  - Switchable MIC/LINE input level and adjustable attenuator (0 to 21 dB, 3-dB steps)
  - Comes with a uni-directional lavalier microphone
- URX-M2 tuner module
  - Installed into the MB-X6 tuner base unit or the SRP-X500P/X700P all-in-one type presentation mixer/amplifier
  - Convenient auto channel scanning function, allowing automatic search for unoccupied channels

### Supplied accessories

Common	Operating instructions (x1)
UTX-B2X	Uni-directional lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), belt clip (x1)

## UWP-X8

U3032 U4244 CE33 CE38 CE42 CE57 CE62 AU66 CN E



- Consists of UTX-H2 handheld microphone and URX-M2 tuner module
- UTX-H2 handheld microphone
  - Incorporates a uni-directional dynamic microphone capsule with minimized popping and wind noise
- URX-M2 tuner module
  - Installed into the MB-X6 tuner unit or the SRP-X500P/X700P all-in-one type presentation mixer/amplifier
  - Convenient auto channel scanning function, allowing automatic search for unoccupied channels

### Supplied accessories

Common	Operating instructions (x1)
UTX-H2	Microphone holder (x1)

# Product Features

Each product is also offered separately from the packages listed here, and they are available for the following frequency ranges:

UTX-B2V Bodypack Transmitter U3032 U4244 CE33 CE38  
CE42 CE57 CE62

UTX-B2X Bodypack Transmitter U3032 U4244

UTX-H2 Handheld Microphone U3032 U4244 CE63 CE38  
CE42 CE57 CE62

UTX-P1 Plug-on Transmitter U3032 U4244 CE38  
CE57 CE62

URX-P2 Portable Receiver U3032 U4244

URX-M2 Tuner Module U3032 U4244



UWP-V Series



UWP-X Series

## UTX-B2V Bodypack Transmitter UTX-B2X Bodypack Transmitter



UTX-B2V



UTX-B2X

- Extremely compact, lightweight, and robust metal body
  - 2 1/2 x 3 1/4 x 3/4 inches (63 x 82.5 x 18.7 mm) excluding the antennas
  - Approx. 5.1 oz (145 g) including batteries
- Switchable MIC/LINE input level and adjustable attenuator: 0 to 21 dB, 3-dB steps
- Selectable RF output power: 5 mW for multi-channel operations or 30 mW for long-distance transmission (except E model)
- Selectable RF output power: 3 mW for multi-channel operations or 10 mW for long-distance transmission (E model)
- Backlit LCD with an extensive information display
  - Operating channel number and its frequency in MHz, attenuator level, RF output level setting (High/Low), audio input status, RF output status, transmitter battery status, and accumulated operating time
- Approximately eight hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C) at 30-mW output power) (except E model)
- Approximately ten hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C) at 10-mW output power) (E model)
- Equipped with a 3-pole mini-jack connector with lock mechanism
- UTX-B2V: Comes with a newly developed miniature metal body omni-directional lavalier microphone (dia. 6.8 mm)
  - Clear and crisp sound pick up with minimized popping and wind noise
  - 3.9 feet (1.2 m) microphone cable
  - Supplied with a microphone windscreen (x1), microphone holder clip, and belt clip
- UTX-B2X: Comes with a uni-directional lavalier microphone (dia. 11.5 mm)
  - 3.9 feet (1.2 m) microphone cable
  - Supplied with a microphone windscreen (x1), microphone holder clip, and belt clip
- Supplied battery cartridge is compatible with those of URX-P2 and Sony's WL-800 Series, allowing quick and easy battery exchange between these models



Omni-directional lavalier microphone



## UTX-H2 Handheld Microphone



- Compact, lightweight, and robust metal body
  - dia. 1 15/16 x 10 inches (49 x 253 mm)
  - Approx. 11 oz (308 g) including batteries
- Incorporates a uni-directional dynamic microphone capsule that minimizes popping and wind noise
- Selectable RF output power: 5 mW for multi-channel operations or 30 mW for long-distance transmission (except E model)
- Selectable RF output power: 3 mW for multi-channel operations or 10 mW for long-distance transmission (E model)
- Attenuator function allows adjustment of audio input level to suit each user's voice: 0 to 21 dB, 3-dB steps
- Internal LCD with an extensive information display
  - Operating channel number and its frequency in MHz, attenuator level, RF output level setting (High/Low), audio input status, RF output status, transmitter battery status, and accumulated operating time
- Approximately eight hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C) at 30-mW output power) (except E model)
- Approximately ten hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C) at 10-mW output power) (E model)
- Supplied with a microphone holder

## UTX-P1 Plug-on Transmitter



- Converts a wired microphone to a wireless microphone via an XLR connector
- Compact, lightweight, and robust metal body, providing great balance when handling
- Switchable MIC/LINE input level
- 50-mW RF output power for stable and long-distance transmission
- Attenuator function allows adjustment of the microphone input level: 0 to 21 dB, 3-dB steps
- Durable connecting mechanism with a microphone for dependable operation
- Backlit LCD with an extensive information display
  - Operating channel number and its frequency in MHz, attenuator level, audio input status, RF output status, transmitter battery status, and accumulated operating time
  - Approximately six hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C) at 50-mW output power)
- Supplied with a soft case

## URX-P2 Portable Receiver



- Compact, lightweight, and robust metal body
  - 2 1/2 x 4 1/8 x 7/8 inches (63 x 104.5 x 22 mm) (including the audio input connector)
  - Approx. 7.2 oz (205 g) including batteries
- Space diversity reception system for stable RF reception
- Auto channel scanning function, allowing automatic search for unoccupied channels
- Angle-adjustable antennas to help eliminate signal dropout, allowing for flexible mount on Sony's professional camcorders
- Backlit LCD with an extensive information display
  - Operating channel number and its frequency in MHz, audio output status, RF input level, receiver battery status, and accumulated operating time
  - Approximately six hours of continuous operation with two AA-size alkaline (LR6) batteries (at 77 °F (25 °C))
- Equipped with a stereo mini-jack with monitor volume control
- Supplied battery cartridge that is compatible with the UTX-B2 and Sony's WL-800 Series allows quick and easy battery exchange between these products
- Supplied with a shoe-mount adapter, belt clip, output cables (3-pole locking mini plug/XLR-type, 3-pole locking mini plug/stereo mini plug) to attach with Sony's compact camcorders such as XDCAM EX™ series or HDV™ series



## URX-M2 Tuner Module



- Compact, plug-in diversity tuner module
- Robust metal body
- Used with the MB-X6 tuner base unit or the SRP-X500P/X700P all-in-one type presentation mixer/amplifier
- Space diversity reception system for stable RF reception
- Auto channel scanning function automatically searches for unoccupied channels and tunes to those channels when the module is used with the MB-X6 tuner base unit
- Backlit LCD with an extensive information display
  - Operating channel number and its frequency in MHz, audio output status, and RF input level

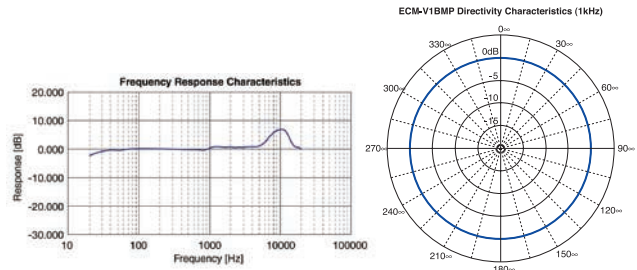
# Accessories

## ECM-V1BMP Lavalier Microphone for UTX-B2V



- Omni-directional, electret condenser microphone
- Frequency response: 40 Hz to 20 kHz\*
- Sensitivity: -43.0 +/-3dB (0 dB = 1 V/ Pa, at 1 kHz)\*
- Microphone head: 9/32 inch (6.8 mm) dia. x 25/32 inch (19.5 mm)
- Cable length : 3.9 feet (1.2m)
- Comes with a horizontal clip and a windscreen.

\* Those characteristics are measured as UTX-B2V.

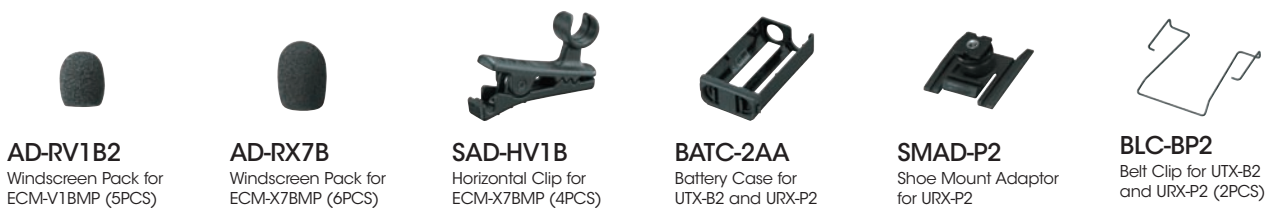
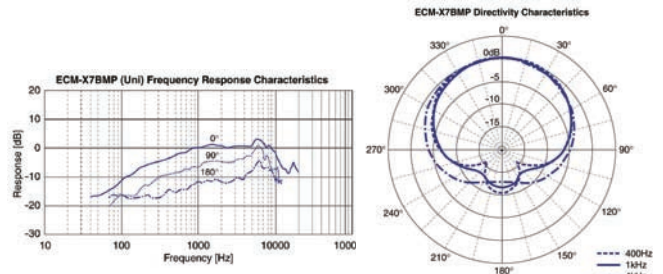


## ECM-X7BMP Lavalier Microphone for UTX-B2X



- Uni-directional, electret condenser microphone
- Frequency response: 100 Hz to 15 kHz\*
- Sensitivity: -44.0 +/-3dB (0 dB = 1 V/ Pa, at 1 kHz)\*
- Microphone head: 15/32 inch (11.5 mm) dia. x 13/16 inch (20.5 mm)
- Cable length : 3.9 feet (1.2 m)
- Comes with a horizontal clip and a windscreen.

\* Those characteristics are measured as UTX-B2X.



**AD-RV1B2**  
Windscreen Pack for ECM-V1BMP (5PCS)

**AD-RX7B**  
Windscreen Pack for ECM-X7BMP (6PCS)

**SAD-HV1B**  
Horizontal Clip for ECM-X7BMP (4PCS)

**BATC-2AA**  
Battery Case for UTX-B2 and URX-P2

**SMAD-P2**  
Shoe Mount Adaptor for URX-P2

**BLC-BP2**  
Belt Clip for UTX-B2 and URX-P2 (2PCS)

**EC-0.46BX**  
3-pole Locking Mini Plug-XLR(M) Cable

**EC-0.8BM**  
3-pole Locking Mini Plug-Stereo Mini Plug Cable

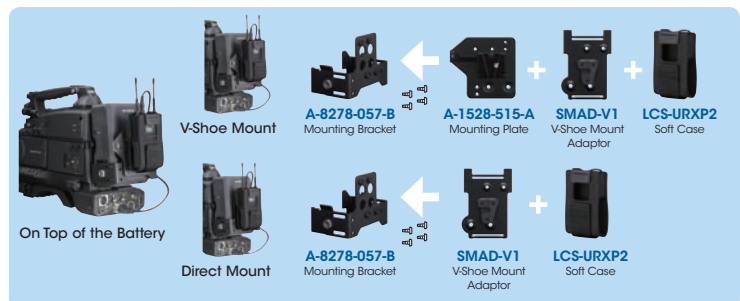
**EC-1.5BX**  
3-pole Locking Mini Plug-XLR(F) Cable



**SAD-HV1B2**  
Horizontal Clips for ECM-V1BMP (4PCS)

**LCS-URXP2**  
Soft Case for URX-P2

**SMAD-V1**  
V-Shoe Mount Adaptor for LCS-URXP2





# Peripheral Products

## MB-X6 Tuner Base Unit



MB-X6 with six URX-M2 tuner modules installed



The MB-X6 is a tuner base unit that accommodates up to six URX-M2 tuner modules, and allows up to six channels of simultaneous operation

- Easy mechanism for attaching and detaching tuner modules
- RF input attenuator switch (10 dB/0 dB)
- Balanced XLR output connector for each tuner and mix output
- Selectable output level: -58 dBu (for MIC) or -20 dBu (for LINE) at  $\pm 5$ -kHz deviation and 1-kHz modulation
- Supplied with passive antennas
- Modular, 1U high, 19-inch rack unit

### Specifications

		MB-X6
Receiving channels		Six channels when accommodating six URX-M2 tuner modules included in the UWP-X7/X8 package
Receiving frequencies		566 MHz to 862 MHz
Audio output connector		XLR-3-32 type (x7), balanced
Audio output level		-20 dBu (LINE level) or -58 dBu (MIC level)
Antenna attenuator level		0 dB or 10 dB
Antenna connectors		BNC-R type (x2), 50 $\Omega$
Power requirements	U	AC 120 V, 60 Hz
	CE	AC 230 V, 50/60 Hz
	CN	AC 220 V, 50/60 Hz
Power consumption		30 W when accommodating six URX-M2 tuner modules included in the UWP-X7/X8 package
Dimensions (W x H x D)		19 x 1 3/4 x 11 1/4 inches (482 x 44 x 285 mm)
Weight		Approx. 12 lb 2 oz (5.5 kg)
Supplied accessories		Antennas (1 pair), AC power cord (x1), operating instructions (x1)

## SRP-X500P Digital Powered Mixer



SRP-X500P with two URX-M2 tuner modules installed

- 5 x 1-AV switcher contains two RGB/component video inputs and three composite video inputs (each with stereo audio)
- Integrated high-quality audio mixer with four microphone inputs and one stereo line input
- Mounting slots built in for two URX-M2 or WRU-806A/806B diversity receiver modules
- Audio-signal processing includes digital equalizer and dynamics processing for each microphone channel, plus on-board digital feedback reducer
- Built-in four-channel digital power amplifier

## SRP-X700P Digital Powered Mixer



SRP-X700P with two URX-M2 tuner modules installed

- 6 x 1-AV switcher contains two RGB/component video inputs (with 5.1 surround sound), one RGB input (with stereo audio), and three composite/S-video inputs (with stereo audio)
- Integrated high-quality six-input mixer comprised of four microphone, two microphone/line, and two line inputs
- Mounting slots built in for two URX-M2 or WRU-806A/806B diversity receiver modules
- Audio-signal processing includes digital equalizer and dynamics processing for each microphone channel, plus on-board digital feedback reducer
- Built-in 200 W + 200 W (4 Ω), 150 W + 150 W (8 Ω), max. 150 W (70 V line) digital power amplifier

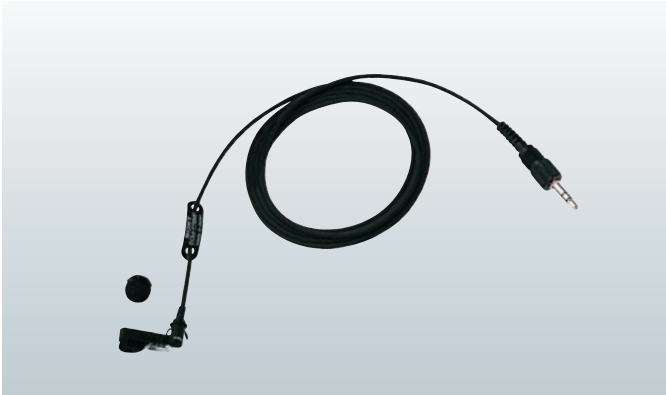
## SRP-X100 Rack Mount Audio Mixer



- 19-inch rack-mountable design
- Two microphone inputs (channel 1 to 2)
- Four mono inputs (channels 3 to 6, MIC/LINE switchable)
- Three stereo line inputs (channel 7 to 9)
- Master L and R outputs, switchable to mono outputs
- L/R Rec output carries all inputs (except channel 9 input to avoid feedback)
- Two mono sub outputs

### Specifications

	SRP-X500P	SRP-X700P	SRP-X100P
Receiving channels	Two channels when accommodating two URX-M2 tuner modules included in the UWP-X7/X8 package		—
Receiving frequencies	566 MHz to 862 MHz		—
Power requirements	AC 120 V, 60 Hz (for U.S.A and Canada) AC 220 V, 50/60 Hz (for China) AC 230 V, 50/60 Hz (for other countries)		AC 120/230 V, 50/60 Hz (CED/U2)
Power consumption	120 W	150 W	19 W
Dimensions (W x H x D)	19 x 5 1/4 x 14 inches (482 x 132 x 357 mm)	19 x 5 1/4 x 13 7/8 inches (482 x 132 x 350 mm)	19 x 1 3/4 x 7 inches (482 x 44 x 175 mm)
Weight	Approx. 26 lb 3 oz (12 kg)	Approx. 28 lb 11 oz (13 kg)	Approx. 5 lb 12 oz (2.6 kg)



### ECM-77BMP Lavalier Microphone

- High-performance, miniature, omni-directional electret condenser microphone
- Frequency response: 40 Hz to 20 kHz
- Sensitivity: -39.0 dB (11.2 mV) (0 dB = 1 V/Pa, at 1 kHz)
- Microphone head: 1/4 inch (5.6 mm) dia. x 1/2 inch (12.5 mm), approx. 0.05 oz (1.5 g)
- Cable length: 3.9 feet (1.2 m)
- Supplied with a 3-pole locking mini plug for use with the UWP Series
- Supplied accessories: single/horizontal tie clip (x1), metal-mesh windscreen (x1), operating instructions (x1)



### ECM-44BMP Lavalier Microphone

- Omni-directional, electret condenser microphone
- Frequency response: 40 Hz to 15 kHz
- Sensitivity: -40 dB (10 mV) (0 dB = 1 V/Pa, at 1 kHz)
- Microphone head: 11/32 inch (8.5 mm) dia. x 19/32 inch (14.5 mm), approx. 0.07 oz (2 g)
- Cable length: 3.9 feet (1.2 m)
- Supplied with a 3-pole locking mini plug for use with the UWP Series
- Supplied accessories: single/horizontal tie clip (x1), urethane windscreen (x1), operating instructions (x1)



### ECM-166BMP Lavalier Microphone

- Uni-directional, electret condenser microphone
- Resistant to howling by rejecting indirect sound
- Frequency response: 100 Hz to 10 kHz
- Sensitivity: -45 dB (5.6 mV) (0 dB = 1 V/Pa, at 1 kHz)
- Microphone head: 1/2 inch (12.5 mm) dia. x 15/16 inch (23.5 mm), approx. 0.12 oz (3.5 g)
- Cable length: 3.9 feet (1.2 m)
- Supplied with a 3-pole locking mini plug for use with the UWP Series
- Supplied accessories: single/horizontal tie clip (x1), urethane windscreen (x1), operating instructions (x1)



### ECM-322BMP Headset Microphone

- Headset microphone for multimedia presentation applications
- Omni-directional microphone capsule for clear voice pickup from any direction
- Extra-light weight of only 0.4 oz (10 g), excluding connector
- Can be worn on either the left or right ear
- Adjustable microphone position
- Secure and comfortable fit with the adjustable soft-texture ear hook and detachable headband
- Frequency response: 50 Hz to 18 kHz
- Sensitivity: -42 dB (7.94 mV)  $\pm 3$  dB (0 dB = 1 V/Pa, at 1 kHz)
- Cable length: 3.9 feet (1.2 m)
- Equipped with a 3-pole locking mini plug for use with the UWP Series
- Supplied accessories: headband (x1), clip (x1), carrying case (x1), operating instructions (x1)

# Specifications

	UTX-B2V/B2X Bodypack Transmitter	UTX-H2 Handheld Microphone	UTX-P1 Plug-on Transmitter
Oscillator	Crystal-controlled PLL Synthesizer		—
Type of emission	F3E		
Carrier frequencies	U3032 U4244 CE33 CE38 CE42 CE57 CE62 AU66 CN E	566 MHz to 590 MHz, selectable from 188 frequencies (in 125-kHz steps) 638 MHz to 662 MHz, selectable from 188 frequencies (in 125-kHz steps) 566 MHz to 590 MHz, selectable from 189 (in 125-kHz steps) / 960 (in 25-kHz steps) 606 MHz to 630 MHz, selectable from 189 (in 125-kHz steps) / 960 (in 25-kHz steps) 638 MHz to 662 MHz, selectable from 189 (in 125-kHz steps) / 960 (in 25-kHz steps) 758 MHz to 782 MHz, selectable from 189 (in 125-kHz steps) / 960 (in 25-kHz steps) 798 MHz to 822 MHz, selectable from 189 frequencies (in 125-kHz steps) / 960 frequencies (in 25-kHz steps) 792 MHz to 806 MHz, selectable from 102 frequencies (in 125-kHz steps) 758 MHz to 782 MHz, selectable from 188 frequencies (in 125-kHz steps) 794 MHz to 806 MHz, selectable from 94 frequencies (in 125-kHz steps)	— — — — — — — — —
RF power output	30mW/5mW selectable (except E model) 10mW/2mW selectable (E model)		50 mW
Antenna	1/4 wave length wire	1/4 wave length wire (internal)	Integral type
Pilot tone signal	32 kHz		
Frequency response	40 Hz to 18 kHz (typical)	50 Hz to 18 kHz (typical)	
Reference deviation	±7 kHz (-60 dBV, 1-kHz input)	±7 kHz (94 dB SPL, 1-kHz input)	±10 kHz (-60 dBV, 1-kHz input)
Signal-to-noise ratio	60 dB or more (±7-kHz deviation at 1-kHz modulation, A-weighted)		60 dB or more (±10-kHz deviation at 1-kHz modulation, A-weighted)
Microphone capsule	Electret condenser, omni-directional (UTX-B2V) Electret condenser, uni-directional (UTX-B2X)	Dynamic, uni-directional	—
Audio attenuator adjustment range	0 dB to 21 dB (in 3-dB steps): Mic input	0 dB to 21 dB (in 3-dB steps)	0 dB to 21 dB (in 3-dB steps): Mic input
Audio input level	MIC: -60 dBV (at 0-dB attenuator level) LINE: +4 dBu	—	MIC: -60 dBV (at 0-dB attenuator level) LINE: +4 dBu
Audio input connector	3-pole mini jack	—	XLR-3-11C type
Max. input sound pressure level	—	151-dB SPL (at 21-dB attenuator level)	—
Indicators	LCD	Operating channel number/frequency, attenuator level, RF output level (High/Low), audio input status, transmitter battery status, and accumulated operating time	
	LED	Power status	Audio input status
Power requirements	DC 3.0 V (with two AA-size alkaline (LR6) batteries)		
Battery life	Approx. eight hours with Sony's AA-size alkaline (LR6) batteries at 77°F (25°C) at 30-mW output (except E model) Approx. ten hours with Sony's AA-size alkaline (LR6) batteries at 77°F (25°C) at 10-mW output (E model)		Approx. six hours with Sony's AA-size alkaline (LR6) batteries at 77°F (25°C) at 50-mW output
Dimensions (W x H x D)	2 1/2 x 3 1/4 x 3/4 inches (63 x 82.5 x 18.7 mm) excluding the antennas	dia. 1 15/16 x 10 inches (49 x 253 mm)	1 3/4 x 4 x 1 7/16 inches (44 x 99 x 36 mm)
Weight	Approx. 5.1 oz (145 g), including batteries		Approx. 6.5 oz (185 g), including batteries

	URX-P2 Portable Receiver	URX-M2 Tuner Module
Oscillator	Crystal-controlled PLL Synthesizer	
Type of reception	Space diversity	
Receiving frequencies	U3032 U4244 CE62 CE67 AU66 CN E	566 MHz to 590 MHz, selectable from 188 frequencies (in 125-kHz steps) 638 MHz to 662 MHz, selectable from 188 frequencies (in 125-kHz steps) 798 MHz to 822 MHz, selectable from 189 frequencies (in 125-kHz steps) / 960 frequencies (in 25-kHz steps) 838 MHz to 862 MHz, selectable from 189 frequencies (in 125-kHz steps) / 960 frequencies (in 25-kHz steps) 792 MHz to 806 MHz, selectable from 102 frequencies (in 125-kHz steps) 758 MHz to 782 MHz, selectable from 188 frequencies (in 125-kHz steps) 794 MHz to 806 MHz, selectable from 94 frequencies (in 125-kHz steps)
Antenna	1/4 wave length wire	
Pilot tone signal	32 kHz	
RF squelch level	15 dBμ	25 dBμ
Frequency response	40 Hz to 18 kHz (typical)	
Reference deviation	±5 kHz (at 1-kHz modulation)	
Signal-to-noise ratio	60 dB or more (±5-kHz deviation at 1-kHz modulation, A-weighted)	
Audio output connector	3-pole mini jack, unbalanced-	
Audio output level	-58 dBm	—
Monitor output connector	5/32 inch (3.5 mm) dia., stereo mini jack	
Monitor output level	5 mW (at 16 Ω)	
Indicators	LCD	Operating channel number/frequency, audio output status, RF input level, tuner battery status, and accumulated operating time
	LED	RF input status
Power requirements	DC 3.0 V (with two AA-size alkaline (LR6) batteries)	
Battery life	Approx. six hours with Sony's AA-size alkaline (LR6) batteries at 77°F (25°C)	
Dimensions (W x H x D)	2 1/2 x 4 1/8 x 7/8 inches (63 x 104.5 x 22 mm), excluding the antennas	
Weight	Approx. 7.2 oz (205 g), including batteries	
		DC 9.0 V
		—
		2 1/4 x 1 1/16 x 4 7/8 inches (57 x 26 x 121 mm)
		Approx. 5.3 oz (150 g)

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