

SONY

# Professional Audio

Product Overview 2017  
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# Power to your performance

**Experience superb performance, long-lasting reliability and seamless system integration with Sony superior digital and analogue professional audio**

With over 60 years' experience of continually redefining the creative and technical possibilities for live and recorded sound, our professional audio solutions range from leading-edge digital and analogue wireless systems to shotgun microphones, headphones and more. In fact, everything you need to create, share and enjoy perfect sound.







# DWX Series

The digital wireless system  
for the digital moment

**Superior digital sound quality and multi-channel operation**

Created for use in live events and in broadcast TV studios, the DWX range seamlessly brings UHF wireless microphone technology into the digital domain. DWX is the no-compromise, ultimate quality choice, whatever your gig.





## Wireless Studio

### PC software

- Complete software package for full control of all receivers and wireless transmitters
- Store and recall a whole system setup
- Store a Device Library for quick setup
- Simple Status viewer for a quick overview
- Automatic setup function
- Bundled application for PC
- Device monitoring and control
- Status recorder to check or review RF strength
- Error logging function
- Pairing-assist function
- Spectrum Analyzer
- Muting control function
- Mobile app also available on iOS or Android to monitor or operate DWX series via a Wi-Fi router

## DWR-R02DN/W

2 channel rack-mount digital wireless receiver

- **Three codec modes designed for a wide variety of applications**
- Mode 1: For compatibility with DWX series applications
- Mode 2: High quality sound with a 96kHz sampling rate and Low audio latency of 1.5 msec\*
- Mode 3: Operation optimised for reliable transmission by preventing drop out by interference with additional error correction
- Superb quality 24bit/96kHz sampling digital audio
- Simultaneous multi-channel operation

## WiDIF-HP

## Cross Remote

- Remote control of transmitter functions from the receiver
- Full control over Cross Remote™ via Wireless Studio software
- 1U-size rack-mountable design
- Supports a variety of output functions with four AES3/EBU outputs up to 24-bit/96 kHz plus World Sync input/output
- Flexible AC/DC power options
- Operation with a bandwidth from 470 MHz to 710 MHz (depending on region) (US: 470-698 MHz)

\*In mode 2, Analog out. 2.5 msec for digital out.



# DWR-S02DN

2 channel slot-in portable digital wireless receiver

- **Three codec modes designed for a wide variety of applications**
- Mode 1: For compatibility with DWX series applications
- Mode 2: High quality sound with a 96kHz sampling rate and Low audio latency of 1.5 msec\*
- Mode 3: Operation optimised for reliable transmission by preventing drop out by interference with additional error correction
- Superb audio quality by AES3 out and 24Bit/48kHz D/A conversion
- Various viewfinder functions with Sony XDCAM camcorders
- Full digital workflow
- Wide Bandwidth up to 72MHz (depending on region)
- Active/Free channel scan

\*In mode 2, Analog out, 2.5 msec for digital out.



DWR-S02DN

RELATED PRODUCTS

## DWA-01D

### Wireless adapter

- Stand-alone wireless receiver operation
- Wide array of interfaces including two-channel AES3 digital or analogue output
- Unique lock-together mechanism to allow two DWA-01D adaptors to be easily combined
- Supports V-mount attachment
- Hirose 4-pin DC powering



## DWA-F01D

### Wireless adapter

- Stand-alone wireless receiver operation
- Top-panel operation for mixer bag
- Three-way powering (Hirose 4-pin DC powering, DC In and NP-Batteries)
- Three-parallel audio output, including XLR analogue output, BNC AES/EBU digital output and mini-phone analogue output



## AN-01

### UHF antenna

- Log-periodic antenna
- Uni-directional
- Built-in booster
- 470-864MHz



## AN-57

### UHF ground plane antenna

- Ground plane antenna
- Horizontal omni-direction
- 470-864MHz



## RMU-01

### Remote control unit

- Extension of Cross Remote function
- Control of up to 82ch transmitter
- Two-way powering
- 2405 MHz to 2480 MHz



## DWT-B01N

### Bodypack digital wireless transmitter

- Superb audio quality by using 24bit/96KHz high class AD - convertor
- Simultaneous multi-channel operation
- Lightweight and rugged design (Magnesium die casting)
- Switchable mic or line input level and adjustable attenuator
- OLED display
- RF remote for all functions by Wireless Studio remote software
- Up to 72MHz bandwidth
- Selectable RF output power (1/10/50 mW)
- Digital low-cut filter
- Three codec modes designed for wide variety of applications
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



## DWT-P01N

### Plug-on digital wireless transmitter

- Superb audio quality by using 24bit/96KHz high class AD - convertor
- Simultaneous multi-channel operation
- Lightweight and rugged design
- Switchable mic or line input level and adjustable attenuator
- +48 V Power supply
- OLED display
- RF remote for all functions by Wireless Studio remote software
- Up to 72MHz bandwidth
- Three codec modes designed for wide variety of applications
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time





# DWM-02N

## Handheld digital wireless microphone

- Superb audio quality by using 24bit/96kHz high class AD - convertor
- Simultaneous multi-channel operation
- Three interchangeable heads and third party support
- 1.25"/28 thread pitch(31.3 mm/pitch 1.0 mm threading) interchangeable mechanism for quick change (Over 50 capsules from various manufacturers will work on the DWM-02)
- OLED display
- RF remote for all functions by Wireless Studio remote software
- Remote control of transmitter functions from the receiver
- Selectable RF output power (1/10/50 mW)
- Digital low-cut filter
- Up to 72MHz bandwidth
- Three codec modes designed for wide variety of applications
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



\*capsules sold separately.

### DWM-02N

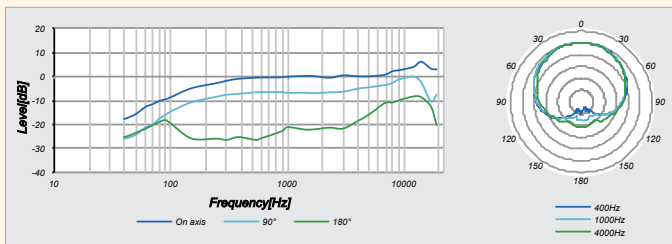
### CAPSULES



#### CU-C31 Capsule unit

Capsule type	Electret condenser
Directivity	Uni-directional (Cardioid)
Sensitivity	-48 dB (0 dB=1 V/Pa, 1kHz)
Frequency response	60 Hz to 20 kHz
Operating temperature	0°C to 50° C (32°F to 122°F)
Storage temperature	-20°C to +60° C (-4°F to +140°F)
Dimensions	47.6mm x 61.5mm
Mass	Approx. 130g

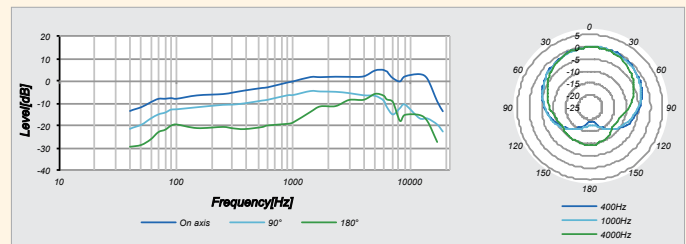
- Condenser type
- Cardioid
- 60Hz - 20kHz



#### CU-F32 Capsule unit

Capsule type	Electret condenser
Directivity	Uni-directional (Cardioid)
Sensitivity	-48 dB (0 dB=1 V/Pa, 1kHz)
Frequency response	60 Hz to 20 kHz
Operating temperature	0°C to 50° C (32°F to 122°F)
Storage temperature	-20°C to +60° C (-4°F to +140°F)
Dimensions	47.6mm x 61.5mm
Mass	Approx. 130g

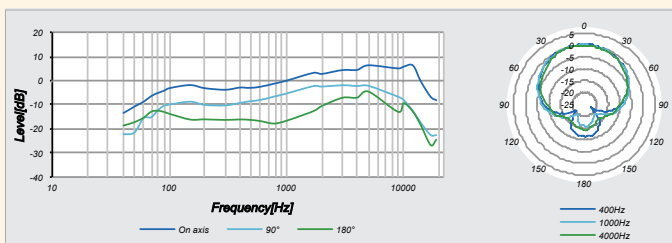
- Dynamic type
- Wide cardioid
- 70Hz - 18kHz



#### CU-F31 Capsule unit

Capsule type	Electret condenser
Directivity	Uni-directional (Cardioid)
Sensitivity	-48 dB (0 dB=1 V/Pa, 1kHz)
Frequency response	60 Hz to 20 kHz
Operating temperature	0°C to 50° C (32°F to 122°F)
Storage temperature	-20°C to +60° C (-4°F to +140°F)
Dimensions	47.6mm x 61.5mm
Mass	Approx. 130g

- Dynamic type
- Super cardioid
- 60Hz - 18kHz



#### DWA-CU01NM

##### Microphone adapter

- Microphone adapter for Sennheiser 5000 series







# UWP

Ultimate sound with digital audio processing

## Innovation in Sound

Introducing the new UWP-D Series wireless microphone system, which realises high-quality sound and stable wireless transmission utilising true diversity reception system.

## URX-P03D

### 2-channel portable receiver

- Sony Digital Audio Processing
- External microphone input for additional wired microphone
- 3-channel mixing function included
- Easy-to-use Automatic Channel Setting mode
- True Diversity Reception System\* for stable reception
- Compatibility with UWP Series / WL-800 Series
- Headphone output for monitoring
- Extremely compact, lightweight, and robust metal body
- USB for power supply or charging batteries
- Output level control
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



\* True Diversity for 1-channel use / Dynamic Switching Diversity for 2-channel use



## URX-P03

### Single channel portable receiver

- Sony Digital Audio Processing
- Easy-to-use Automatic Channel Setting mode
- True Diversity Reception System for stable reception
- Compatibility with UWP Series / WL-800 Series
- Headphone output for monitoring
- Extremely compact, lightweight, and robust metal body
- USB for power supply or charging batteries
- Output level control
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



### UTX-P03D/P03

### RELATED PRODUCTS



#### SMAD-P3

##### Multi Interface Shoe

- Multi Interface Shoe (MI Shoe) for cable free connection without XLR for Single Channel Audio recording
- Unification of power management through MI Shoe enabling ON/OFF control from Camera



#### SMAD-P3D

##### Dual-Channel Multi Interface Shoe

- Multi Interface Shoe (MI Shoe) for cable free connection without XLR for Dual Channel Audio recording
- Unification of power management through MI Shoe enabling ON/OFF control from Camera



## URX-S03D

### 2-channel slot-in portable wireless receiver

- Sony Digital Audio Processing
- High quality audio amplifier adopted
- Great usability with Sony XDCAM and HDCAM camcorders
- Direct digital connection to XDCAM, DWA-01D or DWA-F01D
- Easy-to-use Automatic Channel Setting mode
- True Diversity Reception System for stable reception
- Compatibility with UWP Series / WL-800 Series
- Robust metal body
- Weatherproof structure
- Selectable squelch



URX-S03D

RELATED PRODUCTS

## DWA-01D

### Wireless adapter

- Stand-alone wireless receiver operation
- Wide array of interfaces including two-channel AES3 digital or analogue output
- Unique lock-together mechanism to allow two DWA-01D adaptors to be easily combined
- Supports V-mount attachment
- Hirose 4-pin DC powering



## DWA-F01D

### Wireless adapter

- Stand-alone wireless receiver operation
- Top-panel operation for mixer bag
- Three-way powering (Hirose 4-pin DC powering, DC In and NP-Batteries)
- Three-parallel audio output, including XLR analogue output, BNC AES/EBU digital output and mini-phone analogue output



## UTX-B03

### Body-Pack transmitter

- Sony Digital Audio Processing
- Compatibility with UWP Series / WL-800 Series
- Extremely compact, lightweight, and robust metal body
- USB for power supply or charging batteries
- Switchable MIC/LINE input level and adjustable attenuator (0 dB to 21 dB, 3-dB steps)
- Supplied with omni-directional lavalier microphone
- UTX-B03HR also available with SMC9-45 microphone input connector (for hi-rose lavalier microphones)
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



## UTX-P03

### Plug-on transmitter

- Sony Digital Audio Processing
- Extremely compact, lightweight, and robust aluminum die casting body
- Converts a wired microphone to a wireless microphone via an XLR-type connector
- Compatibility with UWP Series / WL-800 Series
- USB for power supply or charging batteries
- Extremely compact, lightweight, and robust metal body
- +48 V power supply
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



































# UTX-M03

## Handheld wireless microphone

- Sony Digital Audio Processing
- Extremely compact, lightweight, and robust aluminum die casting body
- Incorporates an all-metal, robust, uni-directional dynamic microphone capsule with minimized popping and wind noise
- 1.25"/28 thread pitch(31.3 mm/pitch 1.0 mm threading) interchangeable mechanism for quick change.
- Compatibility with UWP Series / WL-800 Series
- USB for charging batteries
- Interchangeable microphone capsule
- Powered by 2x AA/LR6 batteries or rechargeable batteries with up to 9 hours running time



SINGLE CHANNEL PACKAGES						FREQUENCIES		
<b>UWP-D11</b> 	 <b>UTX-B03</b> Belt-pack Transmitter	 <b>URX-P03</b> Portable Receiver	 Omni-directional Lavalier Microphone	 Microphone Holder Clip	 XLR-BMP Cable	 Stereo Mini-BMP Cable	<b>CE21:</b> 470.025 MHz to 542.000 MHz	
			 Belt Clip	 Shoe Mount Adapter	 Windscreen		<b>CE33:</b> 566.025 MHz to 633.000 MHz	
							<b>CE42:</b> 638.025 MHz to 694.000 MHz	
<b>UWP-D12</b> 	 <b>UTX-M03</b> Handheld Wireless Microphone	 <b>URX-P03</b> Portable Receiver	 Microphone Holder Clip	 XLR-BMP Cable	 Stereo Mini-BMP Cable	 Belt Clip	<b>CE21:</b> 470.025 MHz to 542.000 MHz	
			 Shoe Mount Adapter				<b>CE33:</b> 566.025 MHz to 633.000 MHz	
							<b>CE42:</b> 638.025 MHz to 694.000 MHz	
<b>UWP-D16</b> 	 <b>UTX-P03</b> Plug-on Transmitter	 <b>UTX-B03</b> Belt-pack Transmitter	 <b>URX-P03</b> Portable Receiver	 Omni-directional Lavalier Microphone	 Microphone Holder Clip	 XLR-BMP Cable	 Stereo Mini-BMP Cable	<b>CE21:</b> 470.025 MHz to 542.000 MHz
				 Belt Clip	 Shoe Mount Adapter	 Windscreen	 Soft Case	<b>CE33:</b> 566.025 MHz to 633.000 MHz
								<b>CE42:</b> 638.025 MHz to 694.000 MHz



Photography - Alice BARRA 2016 - BarrHaus





# ECM Series

Delivering excellent sound and noise handling performance

**Comprehensive choice of high sensitivity shotgun Electret condenser-type microphones**

Building on decades of experience in audio acquisition, Sony offers a comprehensive choice of wired shotgun microphones that offers musicians, broadcasters and producers of audio-visual presentations uncompromised audio, as well as utterly dependable performance.

## ECM-678

### Shotgun Electret condenser microphone

- Superb sensitivity of -28dB (0dB=1 V/Pa.) and an extremely low inherent noise of less than 16dB SPL
- Flat-and-wide frequency response (40Hz to 20kHz)
- Compact design
- High-durability and reliability
- Built-in low-cut filter
- External DC (40 V to 52 V) operation



## ECM-674

### Shotgun Electret condenser microphone

- Excellent sensitivity of -36dB (0dB=1 V/Pa.) and low inherent noise level of less than 17dB SPL
- Flat-and-wide frequency response (40Hz to 20kHz)
- Compact and lightweight design
- Two-way powering (+48V Power supply and 1,5V AA battery)
- Built-in low-cut filter
- Built-in battery liquid leakage protection circuit
- External DC (40 V to 52 V) operation



## ECM-680S

### MS stereo shotgun Electret condenser microphone

- Superb sensitivity of -28dB\*2 (stereo)/- 32dB\*2 (monaural) and extremely low inherent noise of less than 20dB SPL (stereo/ monaural)
- Flat-and-wide frequency response: 50Hz to 20kHz (stereo), 40Hz to 20kHz (monaural)
- Built-in low-cut filter
- Compact and lightweight design
- External DC (40 V to 52 V) operation





## ECM-673

### Shotgun Electret condenser microphone

- Excellent sensitivity of -36dB (0dB=1 V/Pa.) and a low inherent noise level of less than 17dB SPL
- Flat-and-wide frequency response (40Hz to 20kHz)
- Compact and lightweight design
- High-durability and reliability
- Built-in low-cut filter
- External DC (40 V to 52 V) operation



## ECM-VG1

### Shotgun Electret condenser microphone

- Excellent sensitivity of -33 dB (0 dB=1 V/Pa), and a low inherent noise level of less than 18 dB SPL
- Flat-and-wide frequency response (40 Hz to 20 kHz), excellent sensitivity of -33 dB (0 dB=1 V/Pa), and a low inherent noise level of less than 18 dB SPL
- Compact and extremely lightweight design with metal body
- Built-in low-cut filter
- External DC (40 V to 52 V) operation



## ECM-MS2

### Compact MS stereo back Electret condenser shotgun microphone

- Compact 137mm length and lightweight design ideal for use with handheld camcorders
- Stereo and mono operation
- Professional quality sound reproduction
- Metal body reduces external noise
- External DC (40 to 52 V) operation



## ECM-77 series

### Lavalier microphones

- Miniature, omni-directional electret condenser microphone
- Worldwide-acclaim for performance and reliability in studio, ENG, and EFP applications
- Choice of model variations to suit specific user requirements
- Wide frequency response, high sensitivity, and low-noise characteristics
- Miniature design makes it easy to conceal in a costume
- Ideal for use with DWX-Series and UWP-D Series
- DC 1.1 V to 10.0 V



## ECM-88 series

### Lavalier microphones

- Ultra-miniature, omni-directional electret condenser microphone
- Designed for quality-critical applications in broadcasting, theater, and field productions
- Choice of model variations to suit specific user requirements.
- Flat-and-wide frequency response provides natural sound reproduction.
- Water-resistant design maintains sound clarity in almost any application or environment
- Dual-diaphragm mechanism contributes to high sensitivity, wide dynamic range, and low noise
- Low cable-noise characteristics
- Miniature design makes it easy to conceal in a stage costume
- DC 1.1 V to 10.0 V



Not compatible with digital radio mic transmission

## ECM-44 series

### Lavalier microphones

- Uni-directional, electret condenser microphone
- Resistant to howling by rejecting indirect sound
- Ideal for institutional use and sound-contracting applications such as speeches, lectures, and conferences
- Designed for a wide range of applications from voice to instrumental recording
- Wide dynamic range (101 dB), and high maximum input-sound-pressure level (130 dB SPL)
- Low inherent-noise characteristics
- DC 1.1 V to 10.0 V





## ECM-FT5

### Lavalier microphones

- Flat-shape and ultra-miniaturel, omni-directional electret condenser microphone
- Water-resistant design maintains sound clarity in almost any application or environment
- Easily concealed under clothing, for studio and EFP applications
- Wide frequency response, high sensitivity, and low-noise characteristics
- Choice of model variations to suit specific user requirements.
- Ideal for use with DWX-Series and UWP-D Series
- DC 1.1 V to 10.0 V



## ECM-V1BMP

### Lavalier microphones

- The lavalier microphone supplied with the UWP package is available as an individual microphone
- Omni-directional, electret condenser microphone
- Reasonably priced lavalier microphone, ideal for ENG and EFP uses
- DC 1.1 V to 10.0 V



## ECM-X7BMP

### Lavalier microphones

- The lavalier microphone supplied with the UWP package is available as an individual microphone
- Uni-directional, electret condenser microphone
- Resistant to howling by rejecting indirect sound
- Reasonably priced lavalier microphone, ideal for institutional use and sound-contracting applications such as speeches, lectures, and conferences
- DC 1.1 V to 10.0 V









For full product specifications and features please visit  
[www.pro.sony.eu/proaudio](http://www.pro.sony.eu/proaudio)



For full features visit [www.pro.sony.eu/proaudio](http://www.pro.sony.eu/proaudio)

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