SONY
make.believe

professional audio

Product Brochure 2013

www.pro.sony.eu/proaudio

The history of the Sony microphone began in 1950 when, for the first time, Sony microphones and tape recorders were introduced to the world. Now, more than 60 years later, Sony is synonymous with the production and distribution of high quality professional audio products for news gathering, video production, live events and broadcast.

Sony innovations continued with the development of electret condenser microphones in the 1960s, appealing to audiophiles who needed condenser performance with the simplicity of a dynamic mic. This was followed by the introduction of the Sony lavalier mic in the 1970s.

During the 1960s, the first wireless mic was also developed, offering systems for field and studio applications and offering the ideal combination of performance, reliability and versatility. From the 1970s, Sony developed the first worldwide diversity system. And in the 1980s, we expanded into UHF systems, Diversity ENG camera receivers, wireless handheld mics and systems for music reproduction.

More recently, Dual Diversity & rack mount tuners plus UHF diversity wireless systems were introduced to the market and, coming out of our work with digital audio on CD & DAT formats from the 1980s, the Oxford Console and the DMX-R100 followed in the 1990s.

Our fully Digital Wireless DWX system, originally launched in 2008, provides the best sound quality and stability of any digital wireless on the market, providing high end audio solutions in a range of applications from ENG to live music and fixed installations in Studio's and OB's, providing Sony audio solutions available for everyone. And our new Digital Wireless DWZ system continues to expand the range of professional audio equipment we can offer you.

We thank you for your continued loyalty to Sony Professional Audio.

Yours Sincerely

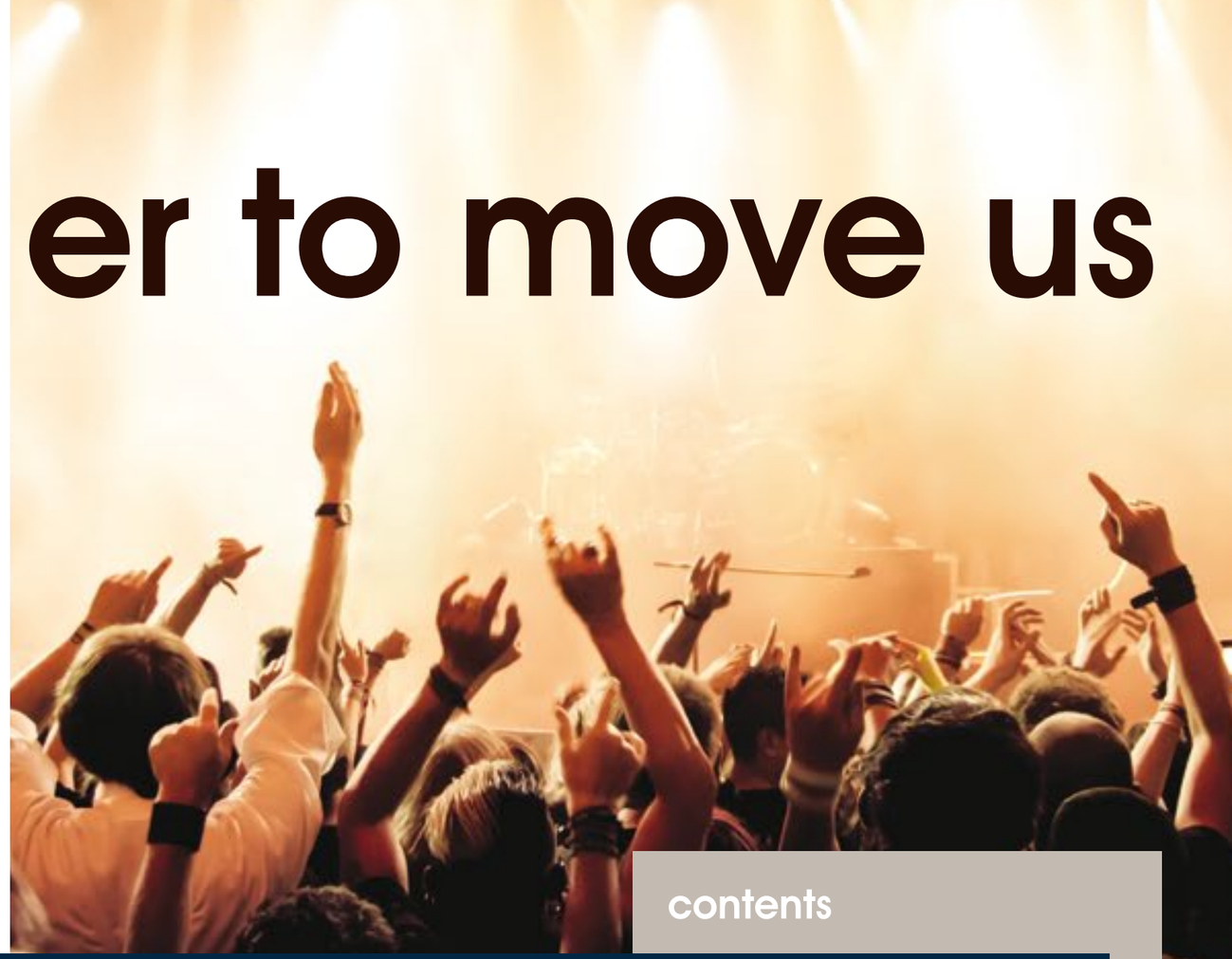
Yoshihiro Murakami
General Manager Sony Professional Audio

our pro audio heritage

the power to move us

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.



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UWP

superb performance in all conditions

A range of all-metal analogue audio transmitters, microphones and receivers available as convenient packages for different applications

The ground-breaking UWP Series leads the way in entry-level wireless microphone systems.

With the UWP-V1: Setup is quick, switch on, match the channels on both units and you're ready to go. Build is solid and audio quality is stunningly clear, and avoids the interference issues of cheaper wireless mics and some wired solutions.

At the price it's hard to beat and it's an essential for all direct-to-camera filming. 5 stars. Digital Camera Gold Award

Digital Camera Magazine, Spring Issue 2013

Image courtesy of: Cesare Chioccioli Videomaker - Italy

Series overview

Already acclaimed for its highly stable audio reception, achieved by utilising a true diversity reception system and proven interference-free multi-channel operation, the UWP Series also features an extremely robust metal chassis. Compact, lightweight and durable, these are the perfect wireless microphones for use in even the most challenging environments.

With quick battery loading, easy camera attachment and clear frequency search, the UWP Series is simple to set up and use.

For more information on the UWP range and other professional audio solutions from Sony go to: www.pro.sony.eu/proaudio

“What initially struck me about the new UWP range was how well made they are.

I have used both the handheld and lavalier mic on many jobs now and have been very impressed. The handheld mic… sounds nice and warm with good off-access rejection and from carrying it around for 3 days is not over heavy. The lavalier mics work very well indeed and I prefer them to the standard mic you get with the G3 systems.

One addition to the receiver I love about the UWP range is the monitor-out socket. This is separate from the main output and is designed for putting your headphones in to monitor what the receiver is picking up. You can use the + & - buttons on the front to adjust the volume. I've even used this before to turn a receiver pack into a simple presenters in-ear system to talkback.

I would recommend to try the Sony UWP Series out before you rush off an buy something else. They sound great, and are as solid as a rock, which if like me you use the kit a lot, is very high up on the importance list.”

Jon Pratchett, TV-bay Magazine, Issue 77

UWP Series packages

The UWP Series packages offer you a higher level of stability, mobility, robustness and operational convenience. Each package comes with both a transmitter and a receiver, allowing you to get up and running straight from the box.

UWP-V1
Portable all-metal belt-pack UHF wireless microphone package

- UTX-B2 belt-pack transmitter
- URX-P2 portable receiver
- Supplied accessories: Lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), belt clip (x2), cables (3-pole locking mini-plug/XLR type and 3-pole locking mini-plug/stereo mini-plug) (x1 each)

UWP-V2
Portable all-metal handheld UHF wireless microphone package

- UTX-H2 handheld microphone
- URX-P2 portable receiver
- Supplied accessories: microphone holder (x1), 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
Portable all-metal belt-pack UHF wireless microphone package with XLR plug-on transmitter

- UTX-B2 belt-pack transmitter
- UTX-P1 plug-on transmitter
- URX-P2 portable receiver
- Supplied accessories: Lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), soft case for UTX-P1 (x1), shoe-mount adapter (x1), belt clip (x1), cables (3-pole locking mini-plug/XLR type and 3-pole locking miniplug/stereo mini-plug) (x1 each)

UWP-X7
Fixed all-metal belt-pack UHF wireless microphone package

- UTX-B2 belt-pack transmitter
- URX-M2 tuner module
- Supplied accessories: Lavalier microphone (x1), windscreen (x1), microphone holder clip (x1), belt clip (x1)

UWP-X8
Fixed all-metal handheld UHF wireless microphone package

- UTX-H2 handheld microphone
- URX-M2 tuner module
- Supplied accessories: microphone holder (x1)

Handheld Microphone

UTX-H2
Handheld wireless microphone

- Incorporates an all-metal, robust uni-directional dynamic microphone capsule with minimised popping and wind noise
- Simultaneous multi-channel operation
- Stable and secure transmission with pre-programmed frequency groups
- UWP is available in CH33, CH38, CH42 and CH51 with 24MHz Bandwidth*
- Output power is 5/30mW

Transmitters

UTX-B2
Belt-pack transmitter

- Extremely compact, lightweight and robust metal body
- Switchable MIC/LINE input level and adjustable attenuator (0 to 21dB, 3dB steps)
- Supplied with omni-directional lavalier microphone
- UWP is available in CH33, CH38, CH42 and CH51 with 24MHz Bandwidth*
- Output power is 5/30mW

UTX-P1
Plug-on transmitter

- Converts a wired microphone to a wireless microphone via an XLR-type connector
- Allows you to use a wide variety of wired microphones
- UWP is available in CH33, CH38, CH42 and CH51 with 24MHz Bandwidth*
- Output power is 50mW

Receiver

URX-P2
Portable receiver

- Compact, lightweight and robust metal body
- Convenient free-channel scanning function with Clear Channel Scan
- True diversty technology for drop out free reception
- UWP is available in CH33, CH38, CH42 and CH51 with 24MHz Bandwidth*

URX-M2
Tuner module

- Installed in the MB-X6 tuner unit or the SRP-X500P all-in-one type presentation mixer/amplifier
- Can use up to six receivers in MB-X6 mainframe
- UWP is available in CH33, CH38, CH42 and CH51 with 24MHz Bandwidth*

*Available in multiple versions for the widest possible range of operating frequencies across Europe.

DWX
DIGITAL WIRELESS

> **The Sony solution proved again that it's top notch**
>
> *Markus Lempsch,*
> *Ryan Leslie European Stage Manager*

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.

DWX

The digital wireless system for the digital moment

Case Study

Products used:
- DWM-02
- DWT-B01/E
- DWR-R02D
- AN-01
- GC-0.7CP/R
- CU-C31

During my shows I like to be able to perform knowing that I have the best and most reliable quality audio equipment available. Sony's DWX digital wireless system lived up to my expectations and helped me to please the thousands of fans every night on my European tour.
Ryan Leslie, Artist

"The DWX mics sounded great and the local crews were surprised night after night"
Markus Lempsch, Ryan Leslie European Stage Manager

The Sony DWX digital wireless system was selected to provide the highest sound quality for Ryan Leslie's European sell-out tour.

Ryan Leslie is a hit with the Sony DWX digital audio wireless system

Background

Ryan Leslie, an American record producer, singer-songwriter and rapper from Washington DC, hit the road to tour across some of the best live venues in Europe. Ryan Leslie's mantra is 'I want to be the best' and as a result he expects his band, support team and the equipment he uses to be of the highest quality to deliver standout performances for his fans. Markus Lempsch, the Stage Manager for the tour required an audio wireless system that would be both simple to assemble and durable when being transported across Europe.

The Challenge

The system had to be capable of supplying 1000 capacity venues with the highest sound quality, without dropouts or signal interference between the wireless microphones and wireless guitar transmitters. The challenge was to select a wireless audio system that would provide the ultimate sound quality to suit the high standards of both Ryan and his fans across the tour.

Sony Solution

Markus and his team used the DMX digital wireless system during the final leg of the European tour. The system included two DWM-02 digital wireless microphones with interchangeable heads and two DWT-B01/E digital wireless belt-pack transmitters. In addition, the solution also included two DWR-R02D digital wireless receivers and two AN-01 uni-directional UHF antennas.

Results

Markus and his team were able to set up the system with ease, with the only operational task being to set the appropriate attenuation and frequencies for each microphone. The adaptability of the DWR-R02D digital wireless receivers meant the units could simply be fitted to a 19" rack unit without the requirement for additional adapters. The simple setup led to a smooth sound check during the course of the tour, without the need for additional alterations to the mics, via a remote control function.

The offstage receivers produced a perfect signal without the occurrence of sound and signal dropouts. The team were able to focus on the smooth running of the show without having to worry about issues such as the quality of the signal or diminishing battery life, due to the high quality of the DWT-B01/E digital belt-pack transmitters.

Why Sony was selected

Sony's DWX digital wireless system provided exceptional sound quality with an easy and reliable setup. The signal was unaffected, with the performances sounding exactly like the guitar had been connected to a conventional high quality cable. Sony's range of accessories, such as the belt-pack leather covers, enabled them to be attached to a guitar strap, belt or battery holder which added to the functionality and seamlessness of the system.

Darmstadt State Theatre opts for Sony DWX Digital Wireless

Case Study

The Darmstadt State Theatre in Germany can now broadcast performances reliably using a wireless system without any compromise to the sound quality.

The new system uses the Sony WiDIF-HP Codec and achieves low system latency, great reliability and first class digital 24 bit AES/EBU audio transmission across a linear frequency range of 20Hz to 22kHz. Unlike analogue systems, the DWX wireless system does not need a compander unit which can adversely affect the sound quality.

This installation comprises of 64 channels, capable of transmitting and receiving without interference across various stages throughout the theatre. More than twice as many channels can operate at the same time with the Sony DWX wireless system, due to its extremely low probability of failure.

As a result of the global reallocation of radio frequencies, the Darmstadt State Theatre (Staatstheater Darmstadt), in collaboration with HL Audio Vertrieb GmbH and Thomann Professional Audio, has replaced its existing wireless microphone system with a modern Sony DWX wireless system to improve its in-house technical facilities.

> *After exhaustive research, we decided in favour of the best and most 'future-proof' technology that is currently available on the market. The Sony DWX wireless system's versatility has greatly benefitted operations at the theatre.*
>
> *Alfred Benz, Head of Sound Technology and Sound Engineering, Darmstadt State Theatre*

Series overview

The DWX range offers world-leading digital microphone expertise, including the superb new WiDIF-HP codec, which captures the subtlety of analogue, but adds the advantages of an all-digital architecture.

Preserving the nuances of a human voice while passing it through a totally digital system is a huge technical challenge, but our new WiDIF-HP codec was designed from scratch to deliver the outstanding audio performance demanded by world-class performers and studios.

The DWX range marks the beginning of a new era in live stage and broadcast audio equipment – not just because it's all-digital, but because this user-focused technology comes in the smallest, lightest and most ergonomic packages available.

For more information on the DWX range and other professional audio solutions from Sony go to:
www.pro.sony.eu/proaudio

Wireless Microphone

Sony is renowned for innovation in digital audio. Now, all of this expertise and legendary performance is available in a digital wireless microphone system using UHF frequency range

DWM-02
Handheld digital wireless microphone

- Superb audio quality by using 24bit/48KHz high class AD - convertor
- Simultaneous multi-channel operation
- Three interchangeable heads and third party support
- Robust 31.3mm/pitch 0.1mm threading interchangeable mechanism for quick change (Shure mount, over 50 capsules from various manufacturers will work on the DWM-02)
- Remote control of transmitter functions from the receiver
- Selectable RF output power (1/10/50 mW)
- Digital low-cut filter
- Up to 72MHz bandwidth

CU-C31
Capsule Unit

- Condenser type
- Cardioid
- 60 Hz - 20 kHz

CU-F31
Capsule Unit

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

CU-F32
Capsule Unit

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

Transmitters

DWT-P01
Plug-on digital wireless transmitter

- Superb audio quality by using 24bit/48KHz high class AD - convertor
- Unlimited simultaneous multi-channel operation*
- Lightweight and rugged design
- Switchable mic or line input level and adjustable attenuator
- 48V phantom power
- OLED display
- RF remote for all functions by Wireless Studio remote software
- Up to 72MHz bandwidth

*Bandwidth of the device is limiting the number of simultaneous channels.

DWT-B01/E
Belt-pack digital wireless transmitter

- Superb audio quality by using 24bit/48KHz high class AD - convertor
- Simultaneous multi-channel operation
- Lightweight & rugged design (magnesium 125g incl. batteries)
- Switchable mic or line input level and adjustable attenuator
- Accommodates various types of battery
- Digital low-cut filter
- Selectable RF output power (1/10/50 mW)
- Up to 72MHz bandwidth

GC-0.7CP
Guitar cable for use with the DWT-B01/E

- GC-0.7CP/S: Straight plug
- GC-0.7CP/R: Right-angle plug

Rackmount Receiver

DWR-R02D
2 channel rackmount digital wireless receiver

- Superb quality 24-bit/48kHz sampling digital audio
- Simultaneous multi-channel operation
- Unlimited number of simultaneous channel (500KHz spacing)
- 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 such as XLR and BNC for AES3 digital, and GND lift function for analogue BAL output
- Supports a variety of output functions with two AES3/EBU outputs up to 24-bit/96 kHz plus World Sync input/output
- Flexible AC/DC power options
- Up to 72MHz bandwidth

RMU-01
Remote Control Unit

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

AN-01
UHF Antenna

- Log-periodic antenna
- Uni-directional
- Built-in booster

AN-820
UHF Antenna

- Dipole antenna
- Horizontal omni-direction
- Built-in booster

Wireless Studio 3.0

- Bundled application for PC
- Full control of all system parameters on receiver and transmitter
- Channel plan adviser
- RF Chart Grapher / RF Chart Analyser

Portable Receiver

DWR-S02D
2 channel slot-in portable digital wireless receiver

- Superb audio quality by AES3 out and 24Bit/48kHz D/A conversion
- Various viewfinder functions with Sony XDCAM camcorders
- Full digital workflow with Sony XDCAM camcorders
- Up to 72MHz bandwidth
- Active/Free channel scan

XDCAM
XDCAM EX
XDCAM HD
HDCAM

DWA-F01D
Digital wireless adapter

- For use with DWR-S01D or DWR-S02D receiver
- 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

DWA-01D
Digital wireless adapter

- For use with DWR-S01D or DWR-S02D receiver
- 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

Cross Remote WiDIF-HP

> The DWZ-M50 mic is heavy enough to feel like a quality built piece of kit, but without being so heavy it would make your arm ache. The weight has also been nicely balanced and the whole unit sits well in the hand.
>
> My opinion of Sony has actually been turned around by this product. It is a very impressive and adaptable system which I would definitely recommend.
>
> *Ashley Riggs, Pro Mobile, Issue 59*

DWZ

Epic digital wireless technology, amazingly affordable

Digital wireless audio packages using 2.4GHz ISM band, for musicians and presenters

High quality digital sound and reliable RF transmission providing superior performance from Sony.

Enjoy powerful sound experiences from Sony

Series Overview

With 24-bit digital audio, you get high sound quality with reliable RF transmission, utilising unique transmission technology, using 2.4Ghz ISM band, developed by Sony. Also, with support for two RF modes, your experiences can be shared over WiFi.

A version for you

Available in six different versions you will find one that is ideal for solo guitar, bass players and musical performances, including bands and live concerts, and packages for applications in congress centres, schools, universities, community halls, churches, hotels, board rooms and small theatres. The interchangeable microphone head mechanism on the ZTX-M01 and ZTC-M02RC handhelds are designed for using third-party capsules.

The DWZ Series offers high quality sound combined with Sony's renowned digital wireless reliability in a simple to set-up-and-use design.

For more information on the DWZ Series and other professional audio solutions from sony go to:
www.pro.sony.eu/proaudio

"For those wanting the ultimate freedom on stage or in the studio, a wireless system is a must and Sony's new DWZ-B30GB is designed specifically as a package to appeal to all you guitar and bass players out there.

As you'd expect, this is 'just' the guitar/bass version of a whole new system from Sony, which includes a mic version and more besides. If you're after a wireless receiver this one should be high up your list – it's priced very competitively, sports very high build quality, looks fabulous, is compact and lightweight with great audio specifications and the backing of a giant name with shedloads of technology behind it. Well worth checking-out!"

Tom Quayle, Guitar Interactive Magazine, Issue 15

DWZ Series packages

The DWZ Series packages for musicians and vocalists provide astonishing sound quality without complex operation.

DWZ-M50
Digital wireless vocal set optimised for musicians and bands

- ZTX-M01 handheld microphone
- ZRX-HR50 half-rack receiver
- Supplied accessories: microphone holder (x1), AC adaptor (x1), antenna (x2)

DWZ-B30GB
Digital wireless set for guitar and bass players

- ZTX-B01 belt-pack transmitter
- ZRX-C30 compact receiver
- Supplied accessories: guitar cable (x1), AC adaptor (x1), cable clamp (x1), belt clip (x1)

DWZ-B50GB
Digital wireless guitar set

- ZTX-B01 belt-pack transmitter
- ZRX-HR50 half rack size receiver
- Supplied accessories: guitar cable (x1), antenna (x2), transmitter belt clip (x), AC adaptor (x1)

DWZ-B50I
Digital wireless instrument set

- ZTX-B01 belt-pack transmitter
- ZRX-HR50 half rack size receiver
- ECM-GZ1UBMP Uni-directional gooseneck mirophone
- Supplied accessories: antennas (x2), transmitter belt clip (x1), AC adaptor (x1)

Wireless microphone

ZTX-M01
digital wireless handheld microphone

- Sony's original high-quality cardioid dynamic capsule
- Interchangeable capsule design, with a flexible choice of capsules, including CU-C31, CU-F31 and CU-F32
- Momentary switch for muting or talk-back application
- Lock function protects from inadvertent setting changes
- Two AA battery operation
- Robust metal body

Transmitter

ZTX-B01
digital wireless belt-pack transmitter

- Muting function for tuning
- Lock function protects from inadvertent setting changes
- Two AA battery operation
- Robust metal body

Receivers

ZRX-HR50
digital wireless half-rack receiver

- 3-way parallel audio output ¼" TS phone (x2), Balanced XLR (x1)
- 5-Band graphic digital equalizer
- Colour LCD for simple operation & status monitoring for TX & RX
- Clear channel scan for easy set up
- Rack-mountable 1U half-rack size (with optional RMM-HRD1 rack mount kit)
- Detachable whip antenna

ZRX-C30
digital wireless compact receiver

- Light and compact design
- Built-in antenna to protect against rough handling conditions
- 3-way parallel audio output ¼" TS phone (x2), Balanced XLR (x1)
- 3-way flexible powering: DC 12V / DC 9V / 9V 6LR61 battery
- Cable tone control
- LED Indicators for status monitoring for TX & RX

Accessories

RMM-HRD1
Receiver rack mount kit

- Rack mount kit is used for mounting the ZRX-HR50/HR70 Half-Rack Receiver to a 19-inch EIA standard rack
- Mount one or two half-rack receivers to the 19-inch rack

GC-0.7BMP
guitar cable

DWZ Series packages

The DWZ-M70 package with a handheld microphone, and the DWZ-B70HL package with a headset and lavalier microphone provide clear voices for your audience by eliminating unwanted acoustic feedback noise, using Sony's advanced intelligent feedback reducer.

DWZ-B70HL

Digital wireless lavalier microphone set for presenters and vocalists

- ZTX-B02 RC belt-pack transmitter
- ZRX-HR70 half-rack receiver
- ECM-LZ1UBMP lavalier microphone and ECM-HZ1UBMP headset microphone supplied
- Supplied accessories: microphone holder clip (x1), cord clip (x1), belt clip (x1), AC adaptor (x1), antenna (x2)

DWZ-M70

Digital wireless set for presenters and vocalists

- ZTX-M02RC handheld microphone
- ZRX-HR70 half-rack receiver
- Supplied accessories: microphone holder clip (x1), AC adaptor (x1), antenna (x2)

Wireless microphones

ZTX-M02RC

digital wireless handheld microphone

- AES 128-bit Encryption function
- Sony's original high-quality cardioid dynamic capsule
- Interchangeable capsule design, with a flexible choice of capsules
- Latch switch for power on/off for conventional operation
- Two AA battery operation with contactless rechargeable function (with optional BC-DWZ1 battery charger)
- Robust metal body

Transmitter

ZTX-B02RC

belt-pack transmitter

- AES 128-bit Encryption function
- Both cardioid condenser headset microphone & cardioid condenser lavalier microphone are included
- Momentary switch for muting or talk-back application
- Two AA battery operation with contactless rechargeable function (with optional BC-DWZ1 battery charger)
- Robust metal body

Receiver

ZRX-HR70

digital wireless half-rack receiver

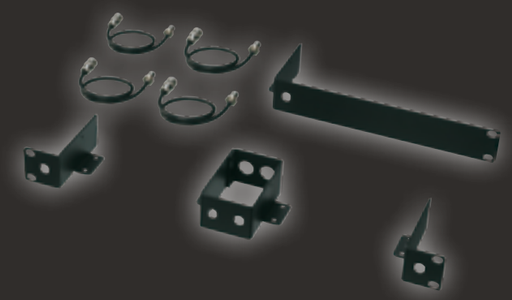
- Intelligent Feedback reducer function
- 3-way parallel audio output ¼" TS phone (x2), Balanced XLR (x1)
- 5-Band graphic digital equalizer
- Colour LCD for simple operation & status monitoring for TX & RX
- Clear channel scan for easy set up
- Rack-mountable 1U half-rack size (with optional RMM-HRD1 rack mount kit)
- Detachable whip antenna

Accessories

BCD-WZ1

DWZ Series battery charger

- Use wth DWZ-M70 or DWZ-B70HL package systems
- Supports use of rechargeable AA NiMH batteries



RMM-HRD1

Receiver rack mount kit

- Rack mount kit is used for mounting the ZRX-HR50/HR70 half-rack receiver to a 19-inch EIA standard rack
- Mount one or two half-rack receivers to the 19-inch rack

ECM-LZ1UBMP
lavalier microphone

ECM-HZ1UBMP
headset microphone

ECM

Delivering excellent sound and noise handling performance

Comprehensive choice of high sensitivity shotgun Electret condenser-type microphones

Recording engineers the world over are immensely protective of their own personal collection of microphones, regarding them as an essential part of their sonic signature.

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.

Shotgun microphones

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 to 52 V) operation
- Newly Developed windscreen

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

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

ECM-674
Affordable 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 Phantom Power and 1,5V AA Bateriy)
- Built-in low-cut filter
- Built-in battery liquid leakage protection circuit

Shotgun microphones

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

ECM-MS2
Compact MS stereo back electret condenser shotgun microphone

- Compact 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
- Original windscreen protects from contact noise
- Cable tie for bundling and fastening the microphone cable

Compatibility chart	ECM-VG1	ECM-680S	ECM-678	ECM-674	ECM-673	ECM-MS2
NXCAM	•					•
XDCAM		•	•	•	•	
HDCAM		•	•	•	•	

Lavalier microphones

ECM-V1BMP
Lavalier Electret condenser microphone

- Omni-directional, electret condenser microphone
- Reasonably priced, ideal for
- Supplied with 3-pole locking mini plug

ECM-77BC
Lavalier Electret condenser microphone

- Omnii-directional
- 3.9 ft cable
- 4-pin SMC9-4P connector
- enhanced shielding increasing the microphone's immunity to RFI
- 3.9 ft cable

ECM-FT5BC
Lavalier Electret condenser microphone

- Omnii-directional
- 3.9 ft cable
- 4-pin SMC9-4P connector
- flat shaped durable metal body that can easily be concealed under clothing or used with a mic tie clip
- 3.9 ft cable

MDR

Optimum aural clarity and wearer comfort

Designed to legendary standards of excellence, the MDR Series of professional headphones is precision manufactured using the highest grade materials.

Sony Professional headphones are engineered for a combination of strength, comfort and practicality, and are used daily in broadcast and recording studios worldwide. All models fold to a convenient compact size.

Headphones come complete with protective carry pouch, gold-plated Unimatch™ 3.5mm / 6.3mm adaptor and service manual detailing spare parts available through Sony's dedicated professional service centres.

MDR-7506/1

Professional reference headphones for studio and ENG

- 40mm driver unit with PET diaphragm
- Closed-ear design
- Wide frequency response
- Power handling capacity 1,000mW
- Stereo Unimatch plug
- Gold connectors and OFC cord
- Supplied soft case
- Special folder mechanism for easy transport

MDR-7510

Professional headphones for Studio, Live and ENG

- 50mm driver unit with PET diaphragm
- Closed-ear design
- Wide frequency response
- High power handling capacity 2,000mw
- Stereo Unimatch plug
- Gold connectors and OFC cord
- Supplied soft case

You can't hear it's wireless, the sound is crystal clear. DWX together with the DPA d:facto II capsule is simply the best WL system on the market.
Jimmy Nodlinder
Mustasch
FOH – Sound Engineer

The sound quality is lossless and dynamic, the guitars have never sounded this good. Because of the 2 way communication system on the 2.4GHz band, the Sony DWX system is easy to use and quick to set up.
Johan "Falken" Falkenberg
Mustasch Technical Manager

Images courtesy of: www.hellhopp.se

For full features visit **www.pro.sony.eu/proaudio**

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