



DWT-P01

Digital Wireless Microphone Transmitter

Sony is proud to introduce a digital wireless microphone system that offers high-quality full-digital operation and enhanced system performance - a perfect match for high-quality ENG/EFM applications.

The system, which consists of the DWT-B01 belt-pack transmitter, DWT-P01 XLR plug-on transmitter and the DWR-S01D dual portable receiver, delivers excellent-quality wireless transmission of 24-bit/48-kHz digital audio.

Thanks to the Sony original codec, it realises low-latency, secure, and reliable operation. In addition, the system allows for an increase of up to 60% in the number of simultaneous multi-channel operations compared to conventional analogue systems, which gives users enhanced system flexibility.

With its excellent audio quality and operational flexibility, the Sony digital wireless microphone system opens up a whole new world of audio applications.

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Low noise head amplifier

Low noise head amplifier achieves -128dBu noise floor.

Flexible audio input control

48dB at 3dB steps audio attenuation supported. Line / Microphone input supported. Transmitter audio attenuation can be controlled from receiver side using Sony wireless remote control system

Flexible battery options

The DWT-P01 is able to accept a variety of AA type battery, such as Alkaline, Lithium, NiMH etc.

Selectable output power

Various output powers are selectable to provide the user with options for stable multi-channel or long distance operation. (1/10/50 mW)

Versatile display using organic LED display

A variety of information is obtained at a glance from the new OLED display panel, such as the reception channel, Audio and RF signal status, user name, user group, Lock etc.

Wireless remote control

A duplex wireless remote control system is supported. The DWT-P01 is able to be controlled via the DWR-S01D receiver. Settings that are changed on the receiver are automatically sent and changed on the paired DWT-P01 transmitter.

Wide operating frequency ranges

DWT-P01 can operate over a 72MHz frequency band. (8 x TV Channels).

Vantaggi:

Superb Quality Wireless Transmission & Reception

The digital wireless microphone system transmits & receives high-quality 24-bit/48-kHz digital audio in a specific frequency bandwidth that meets the Wireless Communication Regulations of each country. Utilising the Sony original codec based on Sony's years of experience in engineering audio products, the system delivers a wide dynamic range of more than 106 dB, a wide frequency response of 20 Hz to 20 kHz, and an excellent transient response.

Stable and Secure Transmission & Reception

Incorporating the newly developed digital modulator, the digital wireless microphone system allows highly stable wireless transmission that is extremely tolerant to unwanted interference. In addition, the system transmits & receives digitally modulated and encrypted data to minimize the risk of interception, providing highly secure transmission & reception.

Simultaneous Multi-channel Operation.

The digital wireless microphone system allows for large-scale multi-channel operations. Thanks to the newly developed digital modulator, the system realises an

intermodulation-free, equally spaced channel allocation. The digital wireless transmission technology used in this system enables a significant increase in the number of simultaneous operations in comparison with current analogue wireless systems. For example, up to 16 channels of simultaneous operation is possible in an 8-MHz operating band.

Extreme user flexibility

The DWT-P01 has an industry standard XLR connector. This allows the user to transform any XLR microphone into a digital wireless transmitter. The DWT-P01 is able to provide +48 volts phantom power to the selected mic if required.

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Input connector	XLR3F (locking XLR)
Power requirement	DC 3.0 V (two LR6 AA-size batteries)
Dimensions (W x H x D)	44 x 113.5 x 44 mm (inc XLR)
Sampling frequency	48 kHz
Quantization bit length	24 bit
Channel step	125 kHz
Reference input level (at 0-dB audio attenuator level)	DWT-P01 transmitter: 1 kHz, -60 dBV, 0 dBV=1 Vrms (1 kHz, -58 dBu, 0 dBu=0.775 Vrms)
Frequency response	20 Hz to 20 kHz \pm 1 dB
Signal-to-noise ratio	70 dB (typical) (A-Weighted, at reference input level)
Total system audio delay	Less than 4 msec

Accessori

UWP serie wireless



DWT-B01

Trasmettitore radiomicrofonico digitale