

## DWM-30

DWX Gen3 digital wireless microphone



### Overview

The DWM-30 digital wireless microphone forms part of the DWX series system offering high-quality full-digital operation shorter audio latency and more reliable RF transmission mode – ideal for a variety of high-quality applications, including broadcast studio, theatre and live sound.

Maximising flexibility for users, the DWM-30 is not supplied with a microphone capsule as the DWM-30 Interchangeable head mechanism supports Sony and other third party capsules. Sony offers three microphone heads – the CU-C31, CU-F31 and CU-F32 - and there are also a wide variety of third-party capsules to choose from – ensuring whatever your requirements, the DWM-30 wireless handheld microphone is an ideal choice.

### Features

#### **Superb audio quality wireless transmission and reception**

High quality 24-bit digital audio is transmitted and received within a specific frequency bandwidth meeting Wireless Communication Regulations for each country. Using Sony's original codec design based on years of audio engineering expertise, the DWX system delivers a wide dynamic range of more than 106 dB, wide frequency response of 20 Hz to 22 kHz, and excellent transient response.

## **Easy-to-grip and lightweight design**

The optimized mechanical structure provides an easy-to-grip design and is approximately 10% lighter than the previous model.

## **Wide bandwidth**

Up to 148 MHz bandwidth (depending on region) enables flexible operation with wide channel selection.

## **High density multi-channel operation**

Ideal for large-scale productions, the DWM-30 supports high density simultaneous multi-channel operation. 375 kHz spacing accommodates up to 21 channels per 8 MHz TV band, or up to 16 simultaneous channels per 6 MHz TV band.

## **Four codec modes for wide range of applications**

MODE1: Compatible with first generation DWX-series devices.

MODE2: Prioritises short latency times while maintaining transmission stability and high audio quality.

MODE3: Additional signal processing suppresses noise caused by unexpected pulse interference.

MODE4: Prioritises audio quality while maintaining transmission stability and low delay time.

## **Low audio latency and high quality sound**

Ideal for live applications, the system achieves an extremely low audio latency time of 1.2 msec, with a 96 kHz sampling rate for very high quality sound (codec MODE2, with DWR-R03D).

## **Three interchangeable heads and third party support**

The DWM-30 operates with three heads. The CU-F31 microphone head with dynamic capsule has a super cardioid pick-up and range from 60 Hz to 18 kHz. The CU-F32 microphone head with wide dynamic capsule has a wide cardioid pick-up and range from 70 Hz – 18 kHz. The CU-C31 microphone head with condenser capsule has a cardioid pick-up and range from 60 Hz

to 20 kHz. The DWM-30 also supports a wide variety of third party heads.

### **Quick open/closed mechanism for microphone heads**

A robust 31.3 mm/pitch 1.0 mm threading interchangeable mechanism allows microphone heads to be changed easily and quickly.

### **Flexible audio input control with HIGH GAIN MODE**

New HIGH GAIN MODE supports up to +18 dB at 6 dB steps gain up. 42 dB at 3 dB steps audio attenuation supported. Line / Microphone input supported. Transmitter audio attenuation can be controlled from receiver side using Sony wireless remote control system.

### **Stable, securely encrypted transmission and reception**

The system's improved digital modulator ensures highly stable wireless transmission that is extremely tolerant to unwanted interference. In addition, data transmission and reception with AES 256-bit encryption minimises the risk of interception to assure highly secure transmission and reception.

### **Remote control of transmitter functions from the receiver**

Input attenuation, RF frequency selection, RF power output, Audio low-cut frequency and transmitter Sleep Mode can all be controlled remotely from the digital wireless receiver. Remote control of up to 82 transmitters can be achieved using the Cross Remote™ function and RMU-01 remote control unit.

### **Selectable RF output power**

RF output power level is selectable (2 mW/10 mW/25 mW) to prioritise stable multi-channel or long distance operation.

### **Flexible battery options and long battery life**

The DWM-30 can be operated with a variety of AA-type batteries including alkaline, lithium or NiMH. Alkaline batteries allow up to 6 hours operation.

## Related products



### **DWR-S02D**

Digital wireless receiver



### **DWR-R02D**

Digital wireless receiver



### **DWR-R02DN**

DWX series digital wireless receiver



### **DWR-S02DN**

Digital wireless receiver



### **DWR-R03D**

DWX Series 2-channel digital wireless receiver



### **DWR-S03D**

DWX Gen3 2-channel digital wireless slot-in receiver

## Gallery

