

ZRX-HR70

DWZ Series digital wireless half-rack receiver



Overview

Rack-mount receiver ideal for presenters and vocalists

The ZRX-HR70 is supplied with the DWZ-M70 and DWZ-B70HL packages. A large colour LCD display provides detailed visual status of your selected channel, signal, and five-band digital equalizer, along with audio level, and transmitter battery life. The system also includes AES 128-bit encryption technology to ensure highly secure transmission.

Superb digital sound with intelligent feedback reducer

With 24-bit linear PCM digital, you get high sound quality with reliable RF transmission, utilising unique transmission technology developed by Sony. Also, with support for two RF modes, your experiences can be shared over WiFi. The Intelligent Feedback Reducer function suppresses unwanted feedback.

Features

Superb digital sound quality

High-quality 24-bit linear PCM digital transmission offers pristine audio and a wide frequency range of 10 Hz to 22 kHz. Audio performance degradation that's typical of conventional analogue wireless systems is avoided, as these packages are designed without the need for a compander.

Two RF modes for reliable transmission

The DWZ Series provides two selectable RF modes. Simply choose the one that makes best use of your actual 2.4 GHz RF environment:

Wide Band Hopping mode

This mode reduces interference to other wireless equipment used in the same environment such as WiFi. There's no need for advanced technical knowledge about radio frequency. Wide Band Hopping mode also supports additional error correction for more secure transmission*1.

Narrow Band Hopping mode

This mode helps to avoid interference from other devices – for example, 2.4 GHz wireless remote controllers that are commonly used for lighting control. This enables frequencies to be coordinated when using multiple wireless systems simultaneously*2.

*1 Audio delay: Approx. 6 ms

*2 Audio delay: Approx. 3 ms

Intelligent Feedback Reducer function

The Sony Intelligent Feedback Reducer can suppress unwanted feedback (howling) with high-performance DSP and Sony's unique algorithms designed to eliminate feedback before it becomes unbearable. Up to 1024-band suppression filters are continuously tuned automatically in real time, eliminating feedback and avoiding deteriorating the original signal; this delivers the highest quality sound that can be enjoyed by presenters, vocalists and audiences. You can freely select the audio outputs to which you want this feedback reduction filter to

apply – for example, you can output original audio to the main PA system, while processed audio is delivered to your monitor speakers.

Stable transmission

Interruptions in reception (signal dropout) can be a problem with wireless microphone transmission systems. With the DWZ Series, however, dropouts are reduced to a minimum. Utilizing a space diversity reception system, stable reception is achieved by using dual-antenna inputs / reception circuits. These receive signals over two different paths and automatically select the stronger RF signal for output.

Highly secure transmission

The ZTX-HR70 offers AES 128-bit standard encryption technology to secure transmitted signals and avoid being intercepted by others. By using this encryption feature, users can reduce the worry that confidential information could be intercepted.

Large colour LCD

The ZRX-HR70 half-rack size receiver includes a large colour LCD display to provide detailed visual status of your selected channel, signal, and five-band digital equalizer, along with audio level, and transmitter battery life.

Fast and easy setup

With its Clear Channel Scan and Best Channel Selection features, the half-rack ZRX-HR70 detects unoccupied channels and selects the most appropriate channel automatically, for fast and easy system setup.

Wired / wireless seamless operation

The ZRX-HR70 is equipped with a Cable Tone Generator feature to simulate a wired tone when using wireless. There's no need to adjust the equalizer setting on your amplifier when switching between wired and wireless. Simply set the Cable Tone Generator menu on the ZRX-HR70 display to match the desired

wired tone.

Five-band equaliser

With the five-band digital equalizer in the half-rack ZRX-HR70 receiver, you'll find it's easy to adjust the sound character of your handheld microphone as desired.

Tuner out interface

Tuner output is available for tuning. The ZRX-HR70 also has a transmitter-muting selector, which provides a choice of connectors that can be muted.

Rack-mountable 1 U half-rack size with detachable whip antenna

The ZRX-HR70 is mountable with optional RMM-HRD1 rack mount kit.

Variety of interfaces

The ZRX-HR70 features 3-way parallel audio output, 1/4" TS phone (x2), and balanced XLR (x1).

Gallery

