

DWZ-B50I

DWZ Series digital wireless set for wind and other instruments with half-rack receiver and gooseneck microphone



Overview

Package features ZRX-HR50 digital wireless half-rack receiver, ZTX-B01 digital wireless body-pack transmitter and ECM-GZ1 UBMP electret condenser gooseneck microphone

The musical instrument set version of the DWZ digital wireless microphone system offers high quality 24-bit / 48KHz linear PCM digital transmission and has a cable tone generator and gooseneck microphone for exceptional versatility and use with a wide variety of instruments.

Superb digital sound

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.

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

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.

Large colour LCD

The ZRX-HR50 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-HR50 detects unoccupied channels and selects the most appropriate channel automatically, for fast and easy system setup.

Wired / wireless seamless operation

The ZRX-HR50 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-HR50 display to match the desired wired tone.

Adjustable attenuator

Adjustable transmitter attenuators allow you to select proper audio input levels from the microphone and instruments. The ZTX-B01 can be switched between instrument and microphone input.

Five-band equaliser

With the five-band digital equalizer in the half-rack ZRX-HR50 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-HR50 also has a transmitter-muting selector which provides a choice of connectors that can be muted.

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

The ZRX-HR50 is mountable with optional RMM-HRD1 rack

mount kit.

Variety of interfaces

The ZRX-HR50 features 3-way parallel audio output, ¼" TS phone (x2), and balanced XLR (x1).

Robust metal body

The ZTX-B01 is made of strong durable metal. Metal construction supports reliable use in rough operating conditions.

Easy-to-use operation

The ZTX-B01 features a muting function for tuning. In addition, a lock function protects from inadvertent setting changes.

Electret condenser gooseneck microphone

The ECM-GZ1UBMP works with the ZTX-B01 body-pack transmitter and is supplied with the DWZ-B50I package. This microphone is ideal for use with trumpets, saxophones, and other wind instruments.* The wide dynamic range and wide frequency range allow for balanced, natural, and clear sound pickup. The capsule provides high input resistance and low noise, and the unidirectional directivity reduces howling and effectively separates unnecessary sources of sound. Also, the flexible gooseneck and two-way clip allow for easy optimal position adjustment.

* DPA d:vote and 4099-series instrument attachments for microphones can also be used. This allows you to attach the microphone to a wider variety of instruments.

Gallery

