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**make
sounds you
always
dreamt of**



Introducing the new
DWZ Series from Sony.

DMZ-M50 DWZ-B30GB
Digital wireless audio packages
for musicians

www.pro.sony.eu/dwz

**power to the wireless,
power to your performance**





DWZ-B30GB

DWZ-M50

Introducing the new DWZ Series from Sony

Great Audio Experiences for all Musicians

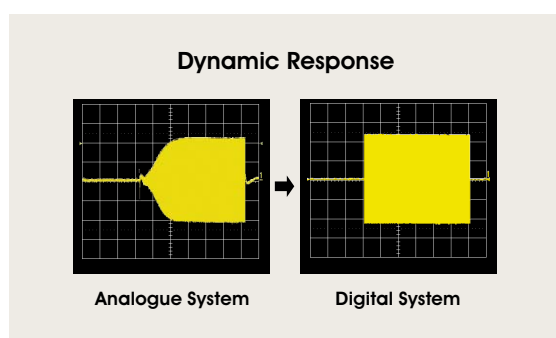
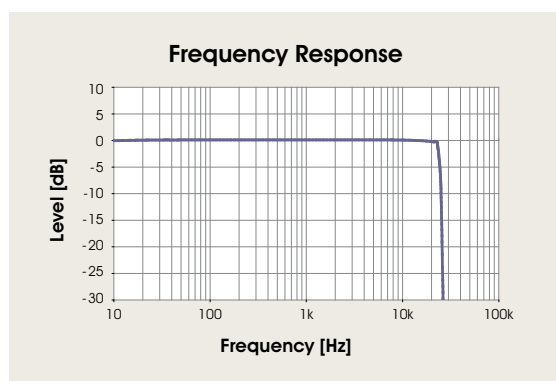
Enjoy powerful sound experiences from Sony! The DWZ-M50 package for vocalists and the DWZ-B30GB package for guitarists provide astonishing sound quality without complex operation. With 24-bit linear PCM digital, you get high sound quality with reliable RF transmission, utilising unique transmission technology developed by Sony. Also, with support for two RF modes, your experiences can be shared over Wi-Fi.

Features

DWZ-M50 DWZ-B30GB

Superb Digital Sound Quality

High-quality 24-bit linear PCM digital transmission offers a pristine audio experience, and a wide frequency range of 10 Hz to 22 kHz. With these high-quality digital sound packages, you can experience professional musical performances from vocalists, guitarists, and bassists. The audio performance degradation that's typical of conventional analogue wireless systems is avoided, as these packages are designed without the need for a compander.



DWZ-M50 DWZ-B30GB

Stable Transmission

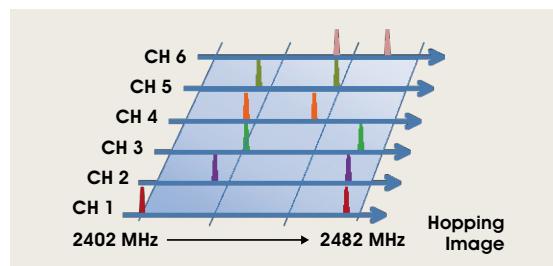
Interruptions in reception (signal dropout) can be a problem with wireless microphone transmission systems. With the DWZ Series, however, this is reduced to a minimum. Utilising a space diversity reception system, this series achieves stable reception by using dual-antenna inputs/reception circuits.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

DWZ-M50 DWZ-B30GB

Two RF Modes for Reliable Transmission

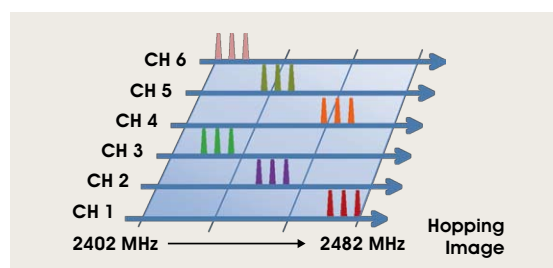
The DWZ-M50 vocal package and DWZ-B30GB guitar package provide two selectable RF modes. Simply choose the one that makes best use of your actual 2.4 GHz RF environment.

Wide Band Hopping Mode This mode reduces interference to other wireless equipment used in the same environment such as Wi-Fi. It doesn't require you to have any technical knowledge about radio frequency. Wide Band Hopping Mode also supports additional error correction for more secure transmission*.



*Audio delay: Approx. 6 ms

Narrow Band Hopping Mode This mode helps you to avoid interference from other devices – for example, 2.4 GHz wireless remote controllers that are commonly used for lighting control. This enables you to coordinate frequencies when using multiple wireless systems simultaneously**.



** Audio delay: Approx. 3 ms

DWZ-M50

Fast and Easy Setup

The half-rack ZRX-HR50 has Clear Channel Scan and Best Channel Selection features which detect unoccupied channels and select the most appropriate channel automatically. These features allow you to achieve fast and easy system setup.

make sounds you always dreamt of

DWZ-M50

Large Color LCD

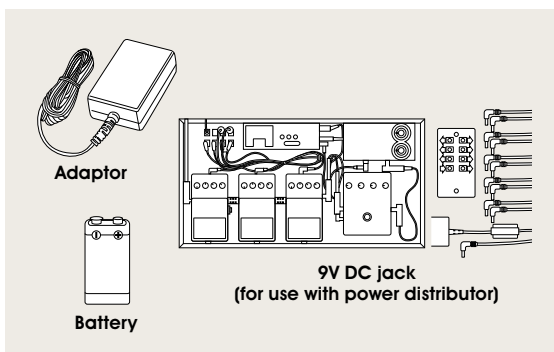
The ZRX-HR50 half-rack size receiver (supplied with the DWZ-M50 package for vocalists) includes a large colour LCD display to provide you with a detailed visual status of your selected channel, signal, and five-band digital equalizer, along with your audio level, and transmitter battery life.



DWZ-B30GB

Multiple Power Supplies

The ZRX-C30 compact-size receiver (supplied with the DWZ-B30GB package for guitarists) supports three types of powering. With the 9V battery, you can use the receiver as a portable device for up to 3.5 hours, setting you free from an AC adaptor cord and maximizing layout flexibility. Also, using this battery provides a simple solution for eliminating noise pick-up caused by the power supplies. For long-duration use, you can power the receiver with the supplied 12V AC adaptor, or the 9V DC jack (for use with a power distributor).



DWZ-M50

Interchangeable Capsules

With the handheld transmitter, you can use the supplied high-quality dynamic cardioid microphone capsule. Alternatively, you can select any of the mic capsules from Sony's DWX Series capsules (The thread pitch is 1.25"/28 (31.3 mm/pitch 1.0 mm threading))*.

* Use of third party capsules may cause RFI or EMF noise.



CU-C31



F31/ F32

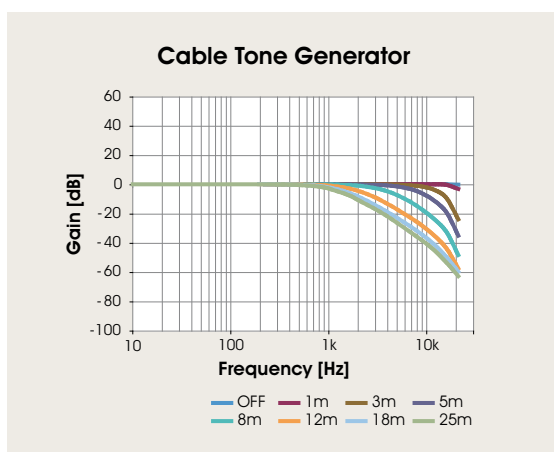


Features

DWZ-B30GB

Wired / Wireless Seamless Operation

Usefully, the compact ZRX-C30 is equipped with a Cable Tone Generator feature to simulate wired tone when using wireless. You don't need to adjust the equalizer setting on your amplifier when switching between wired and wireless. All you have to do is adjust the dial on the ZRX-C30 receiver to match the desired wired tone.



DWZ-M50

Five-band Equalizer

With the five-band digital equalizer in the half-rack ZRX-HR50 receiver, you can adjust the sound character of your handheld microphone as desired.

DWZ-M50 DWZ-B30GB

Adjustable Attenuator

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

DWZ-M50 DWZ-B30GB

XLR Balanced Output

XLR balanced output is useful for your bass guitar or acoustic guitar. It can directly connect to a mixer without the need for a DI box.

DWZ-M50 DWZ-B30GB

Tuner Out Interface

Tuner output is available for guitar tuning. The ZRX-HR50 also has a transmitter-muting selector which gives you a choice for AUX output with or without the muting function.

DWZ-M50 DWZ-B30GB

Robust Metal Body

The ZTX-M01 handheld microphone (supplied with the DWZ-M50 package for vocalists) and the ZTX-B01 bodypack transmitter (supplied with the DWZ-B30GB package for guitarists) are made of strong durable metal. Metal construction supports reliable use in rough operating conditions.

DWZ-B30GB

Lightweight and Compact

The ZRX-C30 has a light and compact design. Its weight is just 205 g (7.2 oz) including battery, and its size is a mere 132 x 41 x 74 mm (5 1/4 x 1 5/8 x 3 inches). This lightweight, slim design allows you to fit the receiver into a pedal board system, or place it on top of your guitar amplifier.

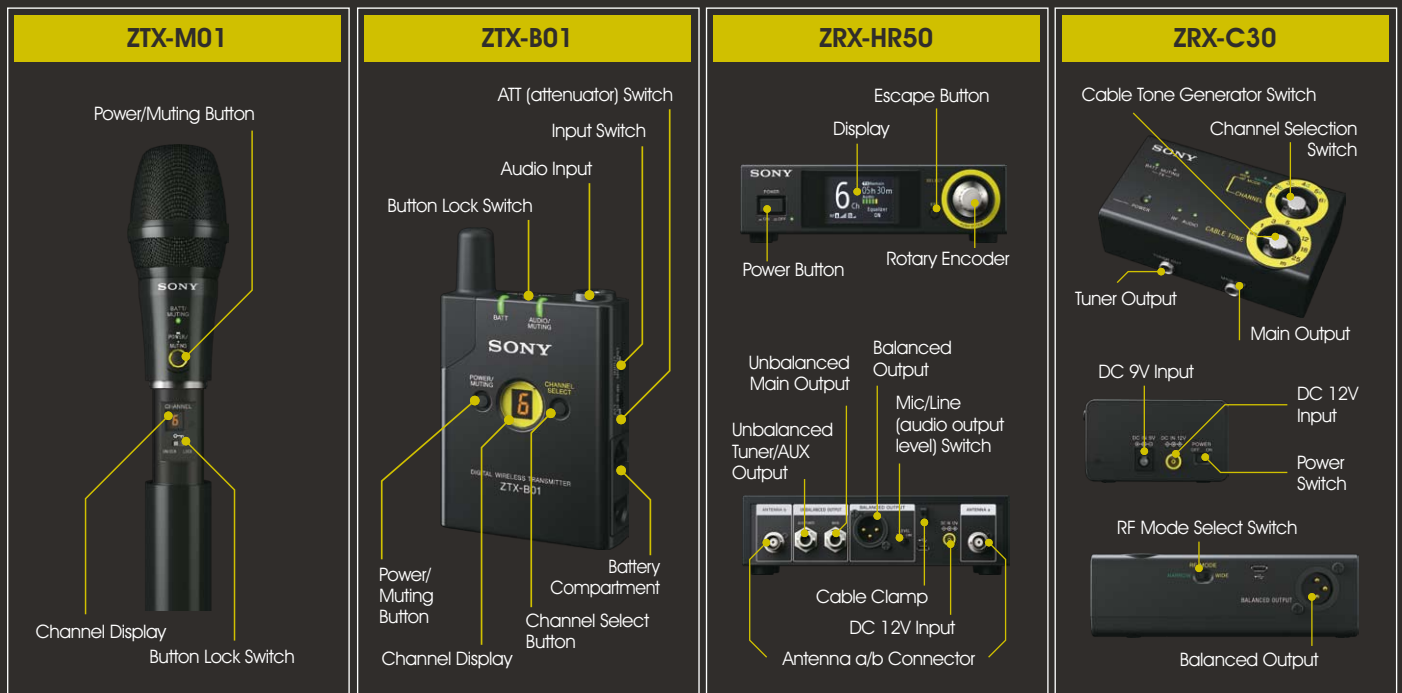


DWZ-B30GB

Built-in Antenna

The antenna for the compact ZRX-C30 receiver is built-in. This protects the antenna from breakage under rough handling conditions.

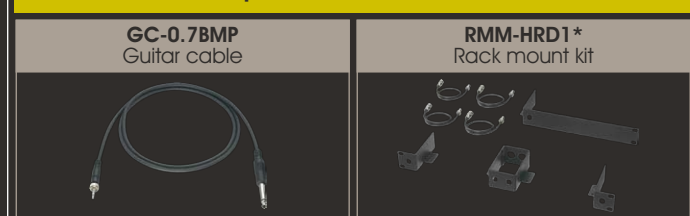
Buttons and interfaces



Package Line-up



Optional Accessories



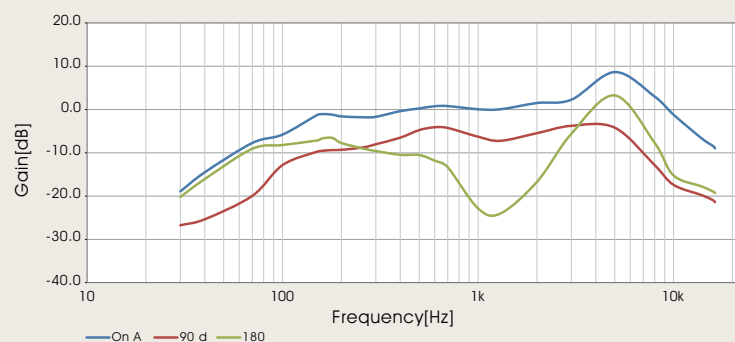
*For single/double use

Specifications

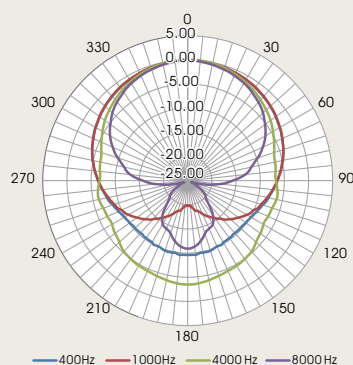
	DWZ-M50		DWZ-B30GB	
Transmitting				
Transmitter Type	Handheld		Bodypack	
Carrier Frequencies	2402.0-2478.5 MHz			
RF Power Output	10mW (e.i.r.p)			
Receiving				
Receiver Type	Rack-mount (Half / 1 channel)		Compact (1 channel)	
Reception Type	Space diversity			
Antenna Type	External whip antenna		Internal monopole antenna	
Receiving Frequencies	2402.0-2478.5 MHz			
RF Sensitivity	24 dB μ V or less		30 dB μ V or less	
Audio				
Capsule Type	Dynamic		-	
Directivity	Uni-directional		-	
Maximum Input Level	142 dB SPL (with 12 dB attenuator)		MIC: -22 dBu / INST: +8 dBu (when attenuator level is 0 dB)	
Audio Attenuator Adjustment Range	0 / 6 / 12 dB		0 / 10 / 20 dB	
Frequency Response	Transmission: 10 Hz to 22 kHz Microphone unit: 70 Hz to 16 kHz		10 Hz to 22 kHz	
Dynamic Range	102 dB (A-weighted)		MIC: 102 dB (A-weighted) / INST: 98 dB (A-weighted)	
Audio Delay	Narrow band: Approx. 3ms / Wide band: Approx. 6 ms			
Distortion (T.H.D)	0.03% or less (-38 dBu, 1 kHz input)			
Analogue Output	XLR-3-32, balanced (x1) / Phone jack, unbalanced (x2)			
Reference Output Level	Balanced output: MIC: -58 dBu / LINE: -12 dBu Unbalanced output: -28 dBu		Balanced output: -20 dBu Main/Tuner output: -28 dBu	
Other Equipment				
Display	Color LCD		-	
USB Port (for firmware update)	TX x1 / RX x 1			
General				
Power Requirements	DC 12 V		DC 12 V / DC 9V / Square 9V 6LR61 battery	
Battery Operating Time	Approx. 10 hours of continuous use (25 °C (77 °F) ambient temperature, with two Sony LR6 (size AA) alkaline dry cell batteries)		ZTX-B01: Approx. 10 hours of continuous use (25 °C (77 °F) ambient temperature, with two Sony LR6 (size AA) alkaline dry cell batteries) ZRX-C30: Approx. 3.5 hours of continuous use (25 °C (77 °F) ambient temperature, Sony square 9 V alkaline dry cell battery)	
Operating Temperature	0°C to 50°C / 32°F to 122°F			
Storage / Transport Temperature	-20°C to +60°C / -4°F to +140°F			
Dimensions	ZTX-M01: 48 x 258 mm (1 15/16 x 10 1/4 inches) (diameter/length) ZRX-HR50: 166 x 44 x 96 (6 5/8 x 1 3/4 x 3 7/8 inches) (w/h/d)		ZTX-B01: 63 x 80 x 20 mm (2 1/2 x 3 1/4 x 13/16 inches) (w/h/d) (excluding the antenna) ZRX-C30: 132 x 41 x 74 mm (5 1/4 x 1 5/8 x 3 inches) (w/h/d)	
Mass	ZTX-M01: Approx. 305 g (11 oz.) (including batteries) ZRX-HR50: Approx. 510 g (1 lb. 2.0 oz.)		ZTX-B01: Approx. 156 g (5.5 oz.) (including batteries) ZRX-C30: Approx. 205 g (7.2 oz.) (including battery)	
Supplied Accessories	Microphone holder (1), Antenna (2), AC adapter (1), Operating instructions (1)		Guitar cable (1), Belt clip (1), Belt clip screw (1), Cable clamp (1), AC adapter (1), Operating instructions (1)	

ZTX-M01

Frequency Response Characteristics



Directivity Characteristics (1 kHz)



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