

CHIAYO



Join Innovation 2.4g Proprietary Digital Technologies

Auto Search Auto Pair DIGITAL SYSTEMS

DWR-5420

DH-5400/DB-5400

Dual-Channel Three Redundancy Digital Wireless Microphone System

FEATURES

- User-friendly ASAP[®] (Auto Search Auto Pair) technology for immediate operation after power ON.
- GFSK modulation employs FHSS (Frequency Hopping Spread Spectrum) to skip Wi-Fi frequency in use and effectively avoid interference from other 2.4 GHz communication products.
- Three-channel redundancy for whole data packing on each microphone.
- Real time RSSI continuously detects interference for seamless clear channel.
- Digital audio sampling processing technology. Ultra-low 5 ms audio transmission for synchronization without delay.
- Employs proprietary codec that ensures excellent audio quality and wide dynamics for vocals, speech and instruments.
- Adjustable Audio Sensitivity for various applications.
- Two scan modes for selection.
 - A-SCAN mode automatically finds and locates interference-free channel group after power ON.
 - F-SCAN mode applies last stored channel group for immediate use after power ON.



Immediate operation after power ON

Three-channel data redundancy by auto frequency hopping for best reception quality.

DSP - performed 3-band equalizer

DWR-5420

Dual-Channel Three Redundancy Digital Receiver

FEATURES

- Dual-channel in 1/2U metal chassis with detachable front-mount high-efficiency antennas.
- LCD display continuously checks the RF and audio levels during the operation or presentation.
- Auto frequency hopping status displayed on the LCD.
- 8-segment precise digital volume control.
- DSP-performed 3-band equalizer (BASS/MIDDLE/TREBLE) allows users to adjust sound as desired.
- Switchable MIC-LINE output levels is available for connecting either MIC or LINE inputs.
- Accessible with individual balanced XLR or mixed unbalanced 6.3mm for output connection.
- Rack Mount Adapter is convenient to install in a standard 19" rack.



DH-5400

Rechargeable Digital Handheld Microphone

FEATURES

- Clear and intuitive LCD display for easy operation and quick set-up.
- RF output power adjustment to ensure maximum operational reliability in various applications
- Provide NiMH or AKLN options for most suitable battery use. The optional HC-92 is a Dual-Slot Charging Station exclusively for CHIAYO rechargeable handheld & bodypack transmitters.
- Adjustable sensitivity selection for various applications.
- Precise and rapid frequency synchronizing with the receiver.
- Interchangeable dynamic and condenser capsule modules for versatile, professional live sound.
- Sturdy ABS plastic housing in aesthetic and ergonomic style, 3-step power control to switch between ON-MUTE-OFF status and slide switch to lock transmitter on stand-by mode.
- High-efficiency antenna built-in and optional color-coded caps on the bottom housing for easy channel identification.



DB-5400

Rechargeable Digital Bodypack Transmitter

FEATURES

- Clear and intuitive LCD display for easy operation and quick set-up.
- RF output power adjustment to ensure maximum operational reliability in various applications
- Provide NiMH or AKLN options for most suitable battery use. The optional HC-92 is a Dual-Slot Charging Station exclusively for CHIAYO rechargeable handheld & bodypack transmitters.
- Adjustable sensitivity selection for various applications.
- Precise and rapid frequency synchronizing with the receiver.
- Audio input connector, Mini XLR, for various lavalier, headset, earset microphones and guitar.
- Mini, robust and lightweight plastic housing design, and on-the-top features include power switch, mini-XLR connector and antenna.
- Delicate adjustable belt clip allows wearing in up or down position



HC-92

Dual-Slot Charging Station

FEATURES

- Intelligent 2-in-1 charging station provides efficient and safe charging.
- Each station has two charging slots exclusively for CHIAYO rechargeable handheld & bodypack transmitters.
- The HC-92 provides both quick and trickle charging with reverse polarity protection that prevents charging errors.
- Individual charging status is easily read by red (charging) & green (fully charged) indicators.
- Up to 3 charging stations can be easily connected for power-share linking.



Expandable charger base





DWR-5420

Channel	Dual
Chassis	EIA standard 19" 1/2U
Frequency range	2.4G ISM band
Receiving mode	Three redundancy receiving system
Channel sync	1-way (TX→RX)
S/N ratio	> 95 dB(A)
Dynamic range	> 100 dB(A)
T.H.D.	< 0.4% @ 1 KHz
Frequency response	20 Hz - 18 KHz
Receiving antenna	Detachable at front-end
Auto freq hopping	6 channels random access in 81 channels
Preset channels	81
Modulation	GFSK
Audio sampling	equivalent to 96k/24bit
Latency	5 ms
Digital output adjustment	Volume control (-8~+8 dB, step 1 dB) 3-band EQ control (-8~+8 dB, step 2 dB)
Output connector	Balanced XLR and unbalanced 6.3 Ø
Output level switch	MIC-LINE
Power supply	12V DC, 1.0 A
Power consumption	170 mA
Dimensions (W × H × D)	200 × 44 × 185 mm
Weight	0.57 kg



DH-5400

Frequency range	2.4G ISM band
Bandwidth	80 MHz
Preset channels	81
RF power output	10 mW, adaptive up to 40 mW
Housing	ABS
Dimensions (Ø×L)	53 × 256 mm
Weight	218 g
Battery	2 × AA
Operating time	12 hours



DB-5400

Frequency range	2.4G ISM band
Bandwidth	80 MHz
Preset channels	81
RF power output	10 mW, adaptive up to 40 mW
Housing	ABS
Dimensions	84 × 64 × 23 mm
Weight	76 g
Battery	2 × AA
Operating time	12 hours



HC-92

Charging slot	2
Charging time	10 hours
Input voltage	12V DC, 2.0 A
Quiescent current	17 mA ± 5 mA
Size (mm)	95*145*75
Weight (g)	257