

WH220 Wireless Headset

DX Series Wireless Solutions

Linking
People
Together



WH220

Key Features and Benefits

- Two-Channels
- 2.4 GHz frequency range
- 3.5 kHz wide band audio
- Up to 15 beltpacks and/or all-in-one headsets on a single system
- Single or dual-channel operation
- Up to 12 hours of battery life

The DX Series are wireless solutions operating in the 2.4GHz frequency band for easy-to-use, affordable and secure communication.

Description

The WH220 is a light-weight, single-ear, all-in-one wireless headset. It operates in the license-free 2.4GHz frequency range and is used with the DX100, DX121, DX200 and DX210 base stations.

Operation

Single-channel operation allows any four all-in-one headset users to engage in simultaneous, full-duplex communication. In dual-channel operation, three users may be in full-duplex with up to 12 users is in listen-only mode.

Durability

The WH220 has a rugged, reinforced casing and long lasting keypads with no mechanical switch. The WH220 has a lightweight, balanced design and wire-free steel headband for all day comfort.

Battery Life and Charging

Using the BAT50 Li-Ion battery, the WH220 has up to 12 hours of battery life. The AC50 charges up to 4 BAT50 batteries at a time and includes storage slots for 4 additional batteries. Charging time is 2.5 hours.

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Technical Specifications

Audio

Channels: 2 audio channels
Frequency Range: 2400 MHz – 2483.5 MHz
Frequency Response: 200 Hz – 3.5 kHz
Antenna: Internal, horizontal/vertical diversity
Headset Connector: 4-pin, mini-DIN
Microphone: Electret
Headset Output: 160mW into 32 Ohms
Communication Security: 64-bit encryption
System Distortion: <2%
Controls: Power, Volume-Up, Volume-Down, IC1, IC2, ISO
Indicators: Dual-color LED (red/green)
Battery Requirements: 3.6V lithium-ion
Battery Life: Up to 12 hours

Antenna

Internal

Transmitter

Type: Frequency Hopping, Spread Spectrum (FHSS)
Transmit Power: 100mW burst
Modes: Momentary or Latch
Type: Gaussian filtered FSK, TDMA
Frequency Stability: 13 ppm
Harmonics/Spurious: Exceeds FCC and ETSI specifications

Receiver

Type: Frequency Hopping, Spread Spectrum (FHSS)
RF Sensitivity: <-90dBm w 10-3 BER
Frequency Stability: 13 ppm
Distortion: <2%

Environmental

32°F to +122°F
(0°C to +50°C)

Weight

5.7 oz (0.16kg) including battery

WH220



Order Codes

Part Number and Description

CZ-WH220 (wireless headset)

Two-channel all-in-one lightweight wireless headset with 2 BAT50 batteries for use with the DX210, DX200, DX121 and DX100 base stations.

Legend

1. Volume Up
2. ISO
3. Volume Down
4. IC1 Channel
5. IC2 Channel

Notice About Specifications

While Clear-Com makes every attempt to maintain the accuracy of the information contained in its product manuals, that information is subject to change without notice. Performance specifications included in this manual are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.