

DX410 Beltpack and Wireless Headset

DX Series Wireless Solutions

Linking
People
Together



WH410

BP410

Key Features and Benefits

- Two-Channels
- 2.4 GHz frequency range
- 7KHz 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 DX410 is a two-channel digital wireless solution operating in the 2.4GHz frequency band with 7KHz wideband audio delivering an overall better experience in performance, range and sound.

Description

The BP410 is a rugged, light-weight, ergonomically designed beltpack, while the WH410 is a light-weight, single-ear, all-in-one wireless headset. Both the BP410 and the WH410 operate in the license-free 2.4GHz frequency range and are used with the BS410 base station.

Operation

Single-channel operation allows any four beltpack and/or 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 13 additional users in listen-only mode.

Durability

The BP410 and WH410 have rugged, reinforced casings and long-lasting keypads with no mechanical switch. The WH410 has a lightweight, balanced design and wire-free steel headband for all-day comfort. The BP410 has an over-mold beltpack case with beltclip.

Battery Life and Charging

Using the BAT50 Li-Ion battery, the BP410 and WH410 have up to 12 hours of battery life. The AC-50 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 – 7 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, A, B, ISO
Indicators: Dual-color LED (red/green)
Battery Requirements: 3.6V lithium-ion
Battery Life: Up to 14 hours

Antenna

BP410: Internal, Horizontal/Vertical diversity
WH410: 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)

Dimensions

BP410: 1 x 4.5 x 2.25 (25.4 x 114.3 x 57.2 mm) (DxWxH)

Weight

BP410: 7.4 oz (0.21 kg) including battery and pouch
WH410: 3.5 oz (0.10kg) including battery

Order Codes

Part Number and Description

CZ-BP410 (beltpack)

DX410 wideband 7KHz two channel beltpack with pouch, and 2 BAT50 batteries, for use with DX410 base station.

CZ-WH410 (wireless headset)

DX410 wideband 7KHz, two-channel all-in-one lightweight wireless headset with 2 BAT50 batteries, for use with DX410 base station

BP410 Bottom



BP410 Top



WH410



Legend

BP410 Beltpack:

1. Volume Up
2. Power On/Off
3. Volume Down
4. A Channel
5. ISO
6. B Channel

WH410 Wireless Headset:

1. Volume Up
2. ISO
3. Volume Down
4. A Channel
5. B 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.