

DX340ES Digital Wireless Headset System

DX Series Wireless Solutions

Linking
People
Together

DX340ES System



Key Features and Benefits

- Two-Channel 2.4GHz Portable Wireless System
- Configure to operate with any radio or 4-wire based configuration
- Up to 4 full-duplex or 15 half-duplex beltpack and/or all-in-one headset users per base station
- Link two bases together to support a maximum of 30 users
- Single or dual-channel operation
- 7kHz wideband audio
- Lost packet concealment
- Better RF filtering than DX300ES
- Secure 64-bit encryption
- Dedicated channel relays
- 10-pin terminal strip connector for easy connection to 4-wire intercom systems
- Triple diversity (space, time and frequency) operation for extreme multi-path environments
- No frequency coordination or licensing for operation
- Power base station via 100-240 VAC, 12-14 VDC, 1.5V "AA" batteries or an optional rechargeable BAT850 battery
- Up to 20 hrs of battery life on beltpack and All-in-One headset

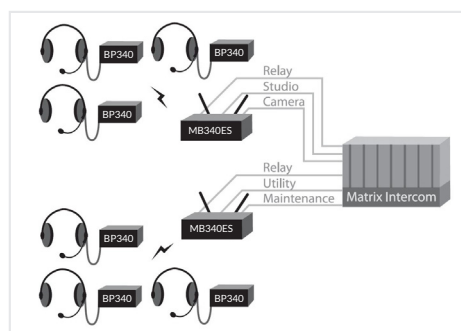
The DX340ES is a compact two-channel digital wireless solution operating in the 2.4GHz frequency band with 7kHz wideband audio delivering portable external radio or intercom communications.

Description

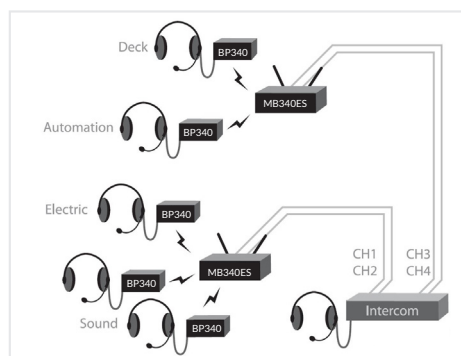
The DX340ES system supports hands-free, two-way digital conversations with interfacing for two channels of external radio or intercom communications. Its compact design makes it highly portable and very quick to set up and operate.

Special features include two-channel operation, 4-wire audio interfaces, wideband 7kHz audio, lost packet concealment, and improved out of band RF filtering for reduced interference. With multi-channel support and relay closures, the DX340ES can also support live event, remote broadcast, movie and video production applications.

Broadcast



Wired Intercom



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System Specifications

Frequency Range: All (2400 – 2483.5MHz), Low (2401.92 to 2439.936MHz) or High Band (2443.392 to 2481.408MHz)
Frequency Response: 200Hz to 7kHz
Security: 64-Bit Encryption
Temperature Range: -4 to 131°F (-20 to 55°C) typical
Transmit/Receive: Frequency-Hopping, Spread Spectrum (FHSS)
Transmit Power: 100mw Burst
Modulation Type: Gaussian Filtered FSK, TDMA
Frequency Stability: 13 ppm
Harmonics/Spurious: Exceeds FCC and ETSI Specifications Over Temperature
RF Sensitivity: <-90dBm w 10-3 BER
System Distortion: <2%
Dynamic Range: -90dBm to -20dBm
FCC Acceptance: Part 15

MB340ES Base Station

Antenna Type: External, Dual Diversity ½-Wave Dipole, R-TNC Connector (x2)
AUX I/O: 600Ω Balanced, with Level Adjustment
Headset Connector (x2): Mini-DIN
Headset Output: 200mW into 32W
Relay: 8-Pin Phoenix – NC,COM,NO,GND (x2) 2A @ 30V DC

Power

100–240V AC, 50–60Hz or 12–14V DC or Six 1.5V AA Batteries or BAT850 Rechargeable Battery (Optional)

Dimensions

8 x 8 x 3.5in. (WxHxD)
(203 x 203 x 90mm)

Weight

2.75lbs (1.25kg) with Battery

BP340 Beltpack/ WH340 All-in-One Headset

Antenna Type: Internal, Dual Diversity (beltpack)
Transmission Modes: Continuous (Latched) or Push-to-Talk (PTT)
Mic Input: Electret
Headset Output: 160mw into 32W
Indicators: Power/Transmit/Low Battery LED & Voice Prompts
Beltpack Headset Connector: Mini-DIN
Beltpack Carrying Pouch: Santoprene

Battery Life

Latched, Up to 14 Hours, PTT: Up to 20 Hours

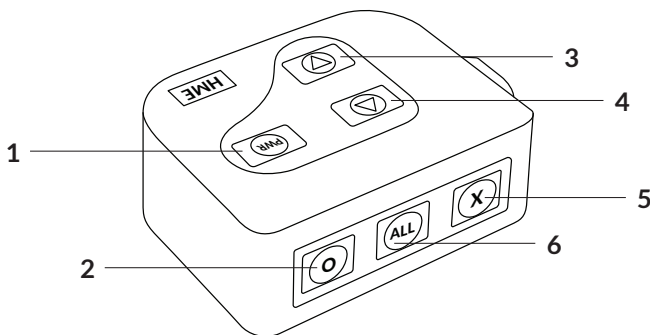
Dimensions

BP340:
3.4 x 2.6 x 1.5in. (WxHxD)
(86 x 66 x 38mm)

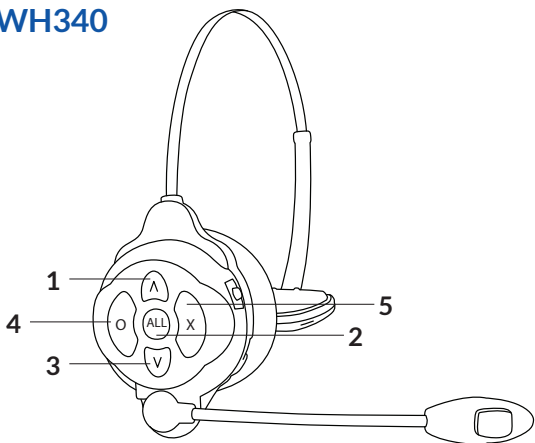
Weight

BP340: 7.4oz (0.21kg) with Battery & Pouch
WH340: 5.7oz (0.16kg) with Battery

BP340



WH340



Legend

Beltpack Bottom

- | | |
|----------------|--------------|
| 1. Power | 4. Volume Up |
| 2. Channel O | 5. Channel X |
| 3. Volume Down | 6. All |

Headset

1. Volume Up
2. All
3. Volume Down
4. Channel O
5. Channel X

Order Codes

MB340 Base Station

CZ-MB340: base station
CZ-MB340-EU: base station EU version

BP340 Beltpack

CZ-BP340: beltpack (includes 2 BAT41 batteries)
104034: BAT41 rechargeable battery

WH340 All-in-One Headset

CZ-WH340: headset (includes 2 BAT50 batteries)
CZ-BAT50: BAT50 rechargeable battery