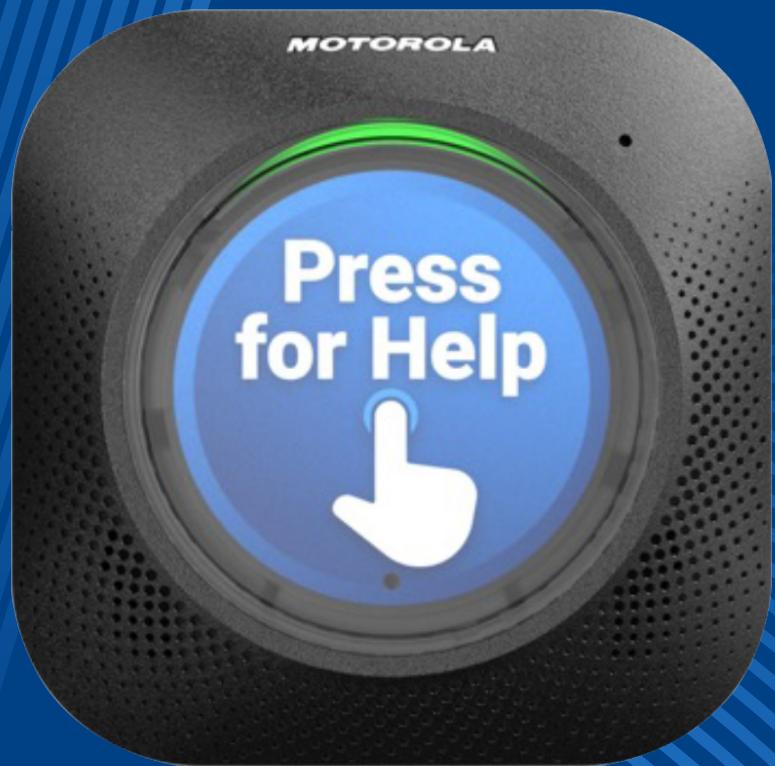


CB900D Digital Call Box

Modernizing the employee
and customer experience



Beyond a simple call

Boost productivity, safety, and response times across your entire facility with the CB900D. Seamlessly integrating with your existing Curve, DLR, and DTR radio fleets, a press of a digital call box helps connect every area of your facility, from the loading dock to the front desk.

In today's fast-paced operational environments, prioritizing efficient staff responsiveness and user satisfaction is critical. Whether used by personnel or an end-user seeking immediate assistance or convenient communication, a simple button press ensures an instant, discreet alert to your team, enabling immediate, targeted action without disruptive public address announcements.

Key features

Enhanced security & protection

Tamper-proof front plate lock keeps your device safe and operational.

Customizable voice messages

Create and upload your own unique voice messages via PC for tailored notifications.

Attention-grabbing alerts

Assurance LED and message confirm to the customer when the device is pressed for help.

Built for demanding environments

Compact, rugged design withstands dust and humidity (IP54) for reliable outdoor use in a covered area.

Tailored communication for any need

The digital call boxes adapt to diverse communication requirements from a single product type. Administrators can easily configure the digital call boxes with a selected operational mode, ensuring they match your specific application:

- One-way call box (send request): Ideal for quick, on-the-go connections with intuitive button operation
- Two-way call box (send and receive): Enables extended conversations with a simple press-and-hold button for sending and receiving messages



Main body



One-way call box (send request)



Two-way call box (send and receive)

Specifications

| GENERAL | | ENVIRONMENTAL | |
|---|---|---------------------------------------|--|
| Model | CB900D Digital Call Box | Operating temperature | -30°C to +60°C (excluding battery) |
| License Free Band | Operates license-free in 900 MHz ISM Band | Storage temperature | -40°C to 80°C |
| Frequency Band | 915-928MHz | Antenna | Built in, hidden |
| Channels | 10 Ch | Antenna Type | 50Ω - ¼ Wave |
| Packaging | Brown Box | IP Rating | IP54 |
| Warranty | 24 months | RECEIVER | |
| DIMENSIONS | | Preamble Sensitivity | -125dBm |
| MAIN BODY | | Frequency Stability | ± 1PPM |
| H x W x D without battery module | 110.6 x 110 x 26.3mm | RX Spur Emissions - Radiated | <43.5dBuV/m (3m) |
| Weight | 206g | Blocking Immunity: ±500 kHz to ±1 MHz | 75dB |
| ONE-WAY / TWO-WAY CALL BOX | | Blocking Immunity: ±1 MHz to ±15 MHz | 80dB |
| H x W x D without battery module | 110.6 x 110 x 32.5mm | Audio Distortion @ Rated | <5% |
| Weight without battery module | 258g | TRANSMITTER | |
| H x W x D with battery module (6 AA cell) | 110.6 x 110 x 57.5mm | RF Output | 1W EiRP |
| Weight with battery module (6 AA cell) | 505g | Channel Spacing | 50kHz |
| Face plate weight | 52g | Frequency Stability (-30°C to 60°C) | ± 1PPM |
| BATTERY MODULE | | TX Spurious Emissions - radiated | <54dBuV/m (3m) |
| H x W x D (with 6 AA cell) | 105 x 105 x 25mm | Audio Distortion | <3% |
| Weight (with 6 AA cell) | 247g | TX ACPR | -50dBc |
| ENERGY | | FCC Modulation | 8-level FSK 900MHz FHSS |
| Nominal Voltage | 4.5V | SOFTWARE | |
| Power Supply | 5V (+0.5V) | User Programming | <ul style="list-style-type: none"> - USB-C Port with PC Programming - Device Programming |
| Battery Operated | 6 x AA Lithium* | Call Box Mode ² | <ul style="list-style-type: none"> - One-way call box (send request) - Two-way call box (send and receive) |
| Battery Life ¹ | ~ 1 Years | | |

¹ Based on 7 buttons pressed per day, 1 call cycle. Actual battery life will vary.

² 2-way communication should use direct power supply.

* Not recommended in base station mode

To learn more, visit: www.motorolasolutions.com/cb900d



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Australia and
New Zealand