

# 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                                   |   |
|---|---|
| Model                                     | CB900D Digital Call Box                   |
| License Free Band                         | Operates license-free in 900 MHz ISM Band |
| Frequency Band                            | 915-928MHz                                |
| Channels                                  | 10 Ch                                     |
| Packaging                                 | Brown Box                                 |
| Warranty                                  | 24 months                                 |
| DIMENSIONS                                |   |
| MAIN BODY                                 |   |
| H x W x D without battery module          | 110.6 x 110 x 26.3mm                      |
| Weight                                    | 206g                                      |
| ONE-WAY / TWO-WAY CALL BOX                |   |
| H x W x D without battery module          | 110.6 x 110 x 32.5mm                      |
| Weight without battery module             | 258g                                      |
| H x W x D with battery module (6 AA cell) | 110.6 x 110 x 57.5mm                      |
| Weight with battery module (6 AA cell)    | 505g                                      |
| Face plate weight                         | 52g                                       |
| BATTERY MODULE                            |   |
| H x W x D (with 6 AA cell)                | 105 x 105 x 25mm                          |
| Weight (with 6 AA cell)                   | 247g                                      |
| ENERGY                                    |   |
| Nominal Voltage                           | 4.5V                                      |
| Power Supply                              | 5V (+0.5V)                                |
| Battery Operated                          | 6 x AA Lithium*                           |
| Battery Life <sup>1</sup>                 | ~ 1 Years                                 |

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

<sup>2</sup> 2-way communication should use direct power supply.

\* Not recommended in base station mode

| ENVIRONMENTAL                         |  |
|---------------------------------------|--|
| Operating temperature                 | -30°C to +60°C (excluding battery)   |
| Storage temperature                   | -40°C to 80°C  |
| Antenna                               | Built in, hidden   |
| Antenna Type                          | 50Ω – ¼ Wave   |
| IP Rating                             | IP54   |
| RECEIVER                              |  |
| Preamble Sensitivity                  | -125dBm  |
| Frequency Stability                   | ± 1PPM   |
| RX Spur Emissions - Radiated          | <43.5dBuV/m (3m)   |
| Blocking Immunity: ±500 kHz to ±1 MHz | 75dB   |
| Blocking Immunity: ±1 MHz to ±15 MHz  | 80dB   |
| Audio Distortion @ Rated              | <5%  |
| TRANSMITTER                           |  |
| RF Output                             | 1W EIRP  |
| Channel Spacing                       | 50kHz  |
| Frequency Stability (-30°C to 60°C)   | ± 1PPM   |
| TX Spurious Emissions - radiated      | <54dBuV/m (3m)   |
| Audio Distortion                      | <3%  |
| TX ACPR                               | -50dBc   |
| FCC Modulation                        | 8-level FSK 900MHz FHSS  |
| SOFTWARE                              |  |
| User Programming                      | - USB-C Port with PC Programming<br>- Device Programming                   |
| Call Box Mode <sup>2</sup>            | - One-way call box (send request)<br>- Two-way call box (send and receive) |

To learn more, visit: [www.motorolasolutions.com/cb900d](http://www.motorolasolutions.com/cb900d)



Motorola Solutions Australia and New Zealand PTY LTD. 10 Wesley Court, Tally Ho Business Park, Burwood East, Victoria 3151, Australia.

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. ©2025 Motorola Solutions, Inc. All rights reserved. 12-2025 [NG12]

Available in:

Australia and  
New Zealand