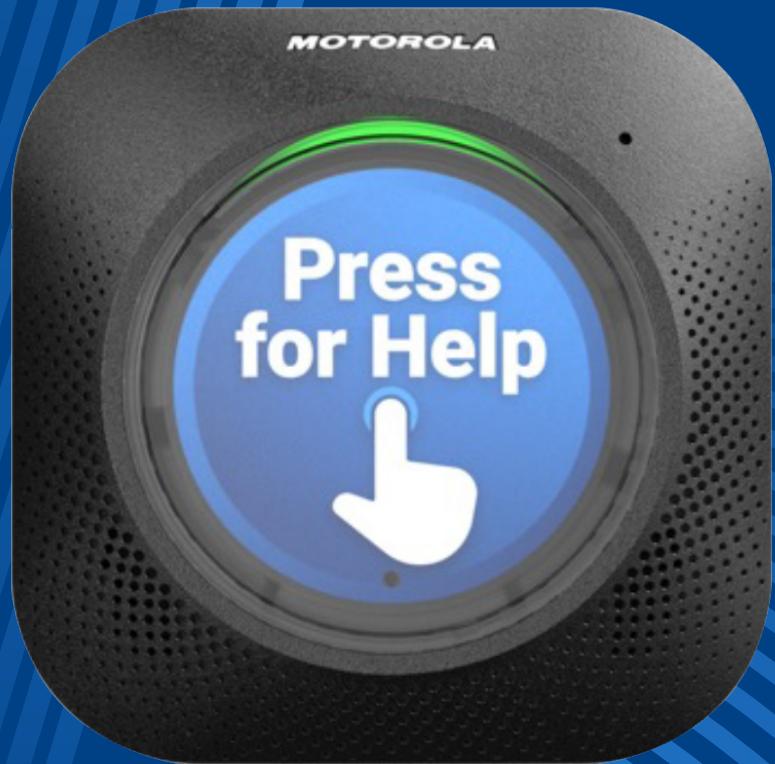MOTOROLA SOLUTIONS

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	902-907 MHz / 915-928Mz
Channels	10 Ch
Packaging	Brown Box
Warranty	12 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

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

ENERGY

Nominal Voltage	4.5V
Power Supply	5V (+-0.5V)
Battery Operated	6 x AA Lithium*
Battery Life[1]	~ 1 Years

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 - Device Programming
Call Box Mode[2]	- One-way call box (send request) - Two-way call box (send and receive)

[1] Based on 7 buttons pressed per day, 1 call cycle. Actual battery life will vary.
[2] 2-way communication mode should use direct power supply.
* Not recommended in base station mode

To learn more, visit: **www.motorolasolutions.com/CB900D**

MOTOROLA SOLUTIONS

Available in:

Mexico and Brazil