

CB900D Digital Call Box

General

What is the CB900D Digital Call Box?

The CB900D is a new digital call box designed to work seamlessly with 900 MHz devices. It is intended to boost productivity, safety, and response times across an entire facility.

What existing radio systems can the CB900D integrate with?

The CB900D is designed to seamlessly integrate with existing Curve, DTR, and DLR radio fleets.

What communication types or operational modes are available with the CB900D?

The CB900D Digital Call Box can be configured with two different communication types to suit specific workflow needs:

- **One-way call box** (send request).
- **Two-way call box** (send and receive)

Key features

Is the CB900D suitable for outdoor use?

Yes, the CB900D has a compact, rugged design that withstands dust and humidity. It has an IP54 rating and is suitable for outdoor use in a covered area.

What measures are in place to secure the CB900D device?

The device features tamper-proof front plate locks and a secure battery compartment.

How loud is the audio output of the CB900D Call Box?

The device provides loud and clear audio at 97dB SPL @ 30 cm audio quality.

What colors are used for the visual status indicator (LED)?

The color LED Indicator provides visual status updates using red, green, and blue.

Can custom voice messages be used with the CB900D?

Yes, the device allows for the creation and upload of unique voice messages via PC for tailored notifications.

What does the CB900D weigh?

The CB900D is 110mm×110mm×57.5mm with the battery module and weighs ~1.12lb*.



What are the regulatory and frequency specifications of the CB900D?

The CB900D operates in the frequency range 902-907 MHz and 915-928 MHz.

Can the device be programmed to escalate a call to a different channel?

Yes, the CB900D supports channel escalation. The enhancements include escalation on call cycle to a different channel.

Power, installation, and accessories

What are the power options for the CB900D?

The device can be battery operated or powered via a compatible power supply.

What type of batteries are used in the battery-operated configuration?

The battery module uses 6 x AA Lithium cells.

Which operational modes require a direct power supply?

The two-way communication mode should utilize a direct power supply.

How long is the expected battery life?

The expected battery life is 1 year, based on an average of 12 button presses per day.

Are the power supply adapter and USB-C Cable included?

No, the power supply adapter and USB-C cable are generally offered as optional items. When using the device with direct power, the customer needs to buy a power adapter and USB-C cable.

What mounting accessories are available for the CB900D?

Optional accessories include the Desktop Mount (Cradle), and Banner Mount Clip. The Wall Mount is included as an inbox item.

Operations and call behavior

How does the user know their help request was received by the one-way call box?

The user hears an assurance message and the LED will illuminate in a continuous double-blink green as a waiting indicator.

What action is required to initiate two-way communication on the two-way call box?

The user follows the same steps for the one-way call box, except a long-press is required for two-way communication.

How does a user initiate a request using the one-way call box?

The user short-presses the box. The LED will illuminate solid green for the duration of the press, triggering the help request.

How does a radio user reply to a two-way call box request?

A radio user can reply in two ways: using the top button for a private reply, or using the PTT button to reply on the channel.



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