Button Layout

CB300-D 900MHz Digital Call Box

Overview (1 of 2)

CB300-D 900MHz Digital Call Box

- DTR Protocol / 900MHz ISM Band
- For communication with DLR and DTR
- One button press operation
- Customizable local and radio message
- Use LCD & Keypad on Call Box to configure
- Also support programming through micro USB port
- 3M™ DUAL LOCK™ adhesive strips
- Mounting clip

Overview (2 of 2)

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Installation Requirements

Installing CB300-D CPS and Driver

Installation

1. Install the serial driver for **64bit** OS from:
   a. https://www.ftdichip.com/Drivers/CDM/CDM%20v2.12.28%20WHQL%20Certified.zip
2. Install the serial driver for **32bit** OS from:
   a. https://www.ftdichip.com/Drivers/CDM/CDM%20v2.12.28%20WHQL%20Certified.zip
3. Install CB300-D CPS from:
   a. https://www.motorolasolutions.com/en_us/products/two-way-radio-accessories/call-boxes/retail-call-boxes/cb300-digital-retail-call-box.html#tabresource

Note: During the installation, if you experience the antivirus pop up, ensure to click Next/Ignore/Bypass the warning.

Wave File Requirements (recording voice files)

Motorola recommends that you download Audacity as a free Wave File creator to use

Preparing the Wave Files

Preparing the wave files. There are 3 wave files:

Local Message

- Local Message is the message playback when the Call Box is pressed.

Radio Message

- Radio message is the message send to the radio to notify which Call Box has been pressed.

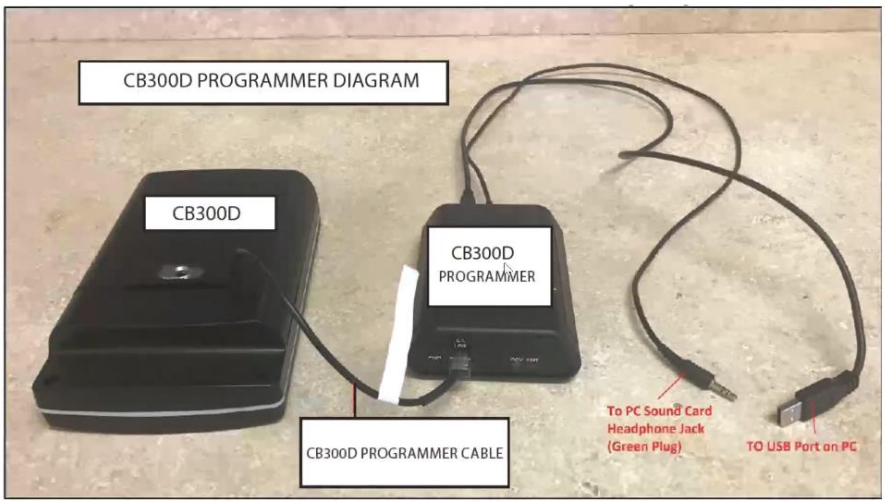
Low Battery Message

- Message send to the radio to notify the Call Box is low on battery.

The file name will need to rename as below.
Local Message: local.wav
Radio Message: radio.wav
Low Battery Message: lowbatt.wav

Note: The recorded wave file must be in this format:
Sample Rate: 11.025kHz
16 Bit
Mono
Message Length <10 sec

Programmer Overview

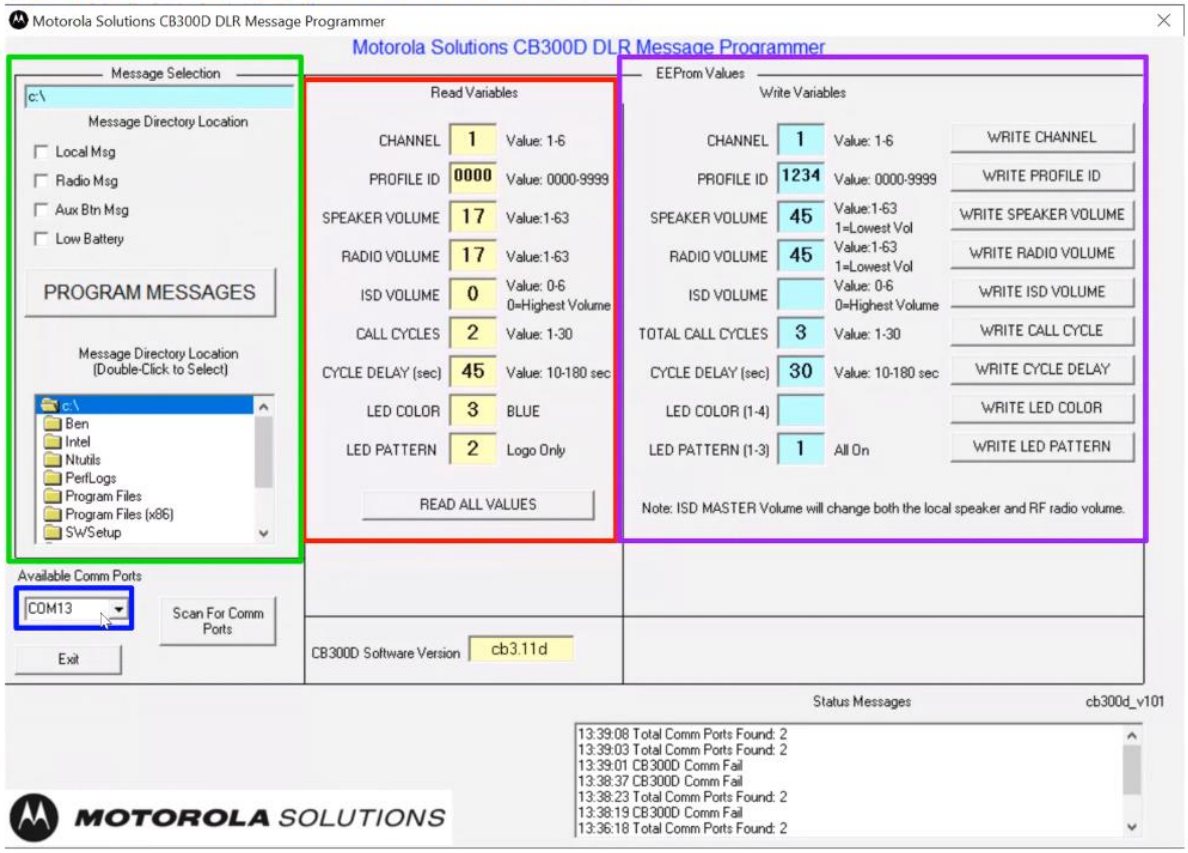


Where to order?
It is setup in Motorola MOL system.
Part #: DSEAPROG2
Description: EASY ASSIST PROGRAMMER VER 2

Audio Quality
The audio recording loudness is depending on your speaker volume. The suggested volume should adjust around 50-75% of your speaker volume.

Software Overview

CB300-D Software Interface

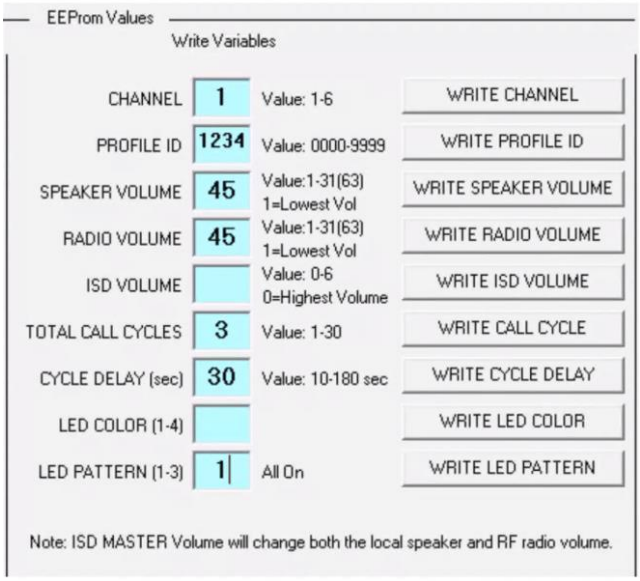


NOTICE

- The Call Box has 60 secs timeout. If no action (read/write to Call Box) taken, it will goes to sleep. The battery casing will need to remove to discharge and place it back.
- Once power is apply, the LED flashes 3 times
- Verify the display shows CPU SERIAL ENA, then it is ready for programming.

MUST click the “write” button next to each setting to overwrite. There is no master “write” feature.

CB300-D Software Interface



Channel - Radio channel that you wanted to send

Profile ID Pin - 4 digits pins that you select for the DLR/DTR radios

Speaker Volume - Call Box volume (Default: 50)

Radio Volume - Message loudness that send to your radio (Default: 20)

ISD Volume - Master volume for all volume

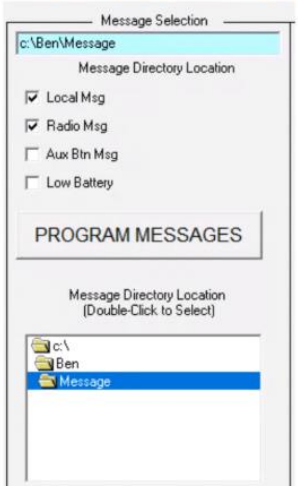
Total Call Cycles - How many times do you want to repeat the message sending over to the radio (Default: 2 cycles)

Cycle Delay - Delay period between 2 Call Cycles (Default: 45sec)

LED Pattern - 1 is all on (MSI logo & side) and 2 is Motorola Logo on only.

Loading pre-recorded Wave File Messages

CB300-D Software Interface



1. Have all the audio files store in 1 folder for easier access.
2. Check the box next to the message for the voice programming.
3. Click on the PROGRAM MESSAGES button for voice recording.
4. To verify if it is programmed, press
   a. ESC key on the Call Box
   b. Up Arrow until MSG PLAYBACK is display
   c. Select each programmed message for playback.

Must save files under a newly created folder on the local disk (c: drive) in order to find them at this screen (see file requirements above)

CB300-D Literature

1. Product User Manual and Programming Manual:
   a. https://www.motorolasolutions.com/en_us/products/two-way-radio-accessories/call-boxes/retail-call-boxes/cb300-digital-retail-call-box.html#tabresource