

## CrewCom CB2 System - Firmware Release Notes

### Firmware Details:

<b>Version</b>	Firmware 1.1
<b>Release Date</b>	May 2022
<b>Affected Models</b>	BaseStations: CB2-900, CB2-900AN, CB2-2400, CB2-2400CE
	Radio Packs: CRP-12-900, CRP-12-900AN, CRP-12-2400, CRP-12-2400CE
	Drop-In Charger: PBT-RPT-66

The following is a list of features and improvements implemented with the latest CrewCom CB2 system firmware and hardware release.

### Device Parameters

The following number of devices is supported as a single system:

- Up to 2 CB2 BaseStations (sync required for more than one)
- Up to 6 Normal mode RPs per BaseStation
- Up to 16 High Density mode RPs per BaseStation
- One AUX In and One AUX Out per BaseStation (Independently assignable)
- Up to 2 wired intercom/audio channel inputs and outputs (2-Wire or 4-Wire) per BaseStation routed to A and B Channels
- One Stage Announce output (same signal on both connectors when combining audio two BaseStations)
- Up to 2 Channels (A or B accessible on the Radio Pack and front panel)
- One Stage Announce Relay

### New Features

- High Density: High Density Operational Mode greatly increases the overall number of users on a CB2 system by allowing the system to be set into a mode that allows for up to 16 RPs to log into a single BaseStation where any 4 of those users can communicate in full duplex.
- Mic Kill by Channel: Each 2-Wire intercom port is capable of receiving a mic kill signal from a connected wired intercom system. Each port is capable of sending a mic kill signal to connected RTS and AudioCom systems. The mic kill signal is passed through to the channel associated with the intercom port where the signal came through. Turning the Mic Kill signal OFF only prevents external mic kill signals from entering or leaving the BaseStation via the respective port. The default setting for Mic Kill is OFF.

**Note:** The CB2 BaseStation does not send Mic Kill signals to Clear-Com 2-Wire systems.

## Update Notes

- It will be necessary to “Restore Factory Defaults” after upgrading to 1.1.0.9. After the factory defaults are restored, it will then be necessary to pair or re-pair all Radio Packs. Refer to the CB2 manual for information on restoring factory defaults.

## Enhancements

- RP LED Brightness: LED Brightness was added to the Radio Pack Settings menu within the BaseStation Menu. The setting options are High, Medium (default), Low, and Off.
- RP Talk Button Disabled: The option to disable an RP's Talk Button was added to the Radio Pack Settings menu within the BaseStation Menu. The setting options are Momentary (default), Latch, and Disable. Latch option is not available in High Density Mode.

**Note:** To enter the RP's menu mode, press and hold the Radio Pack Menu button AND press and hold the BaseStation Menu button.

- Sync In Status Indication: In addition to the current LED indication near the Sync connector on the CB2, now the Sync Status Indicator is visible on the front LCD menu screen of the BaseStation. Sync Connected and Sync Disconnected messages are also shown on the BaseStation LCD when the sync status changes.
- BaseStation LCD Screen Timeout: The LCD Timeout factory default has been changed to disabled.
- BaseStation LCD RP Order: RPs are now listed from left to right across the top row first upon pairing/logging in on the BaseStation LCD.

## Resolutions

- Resolved an issue where when using High Density mode and setting an RP to use only one channel (A or B) the user would still be able to switch to the opposite channel (hotfix v1.1.0.9).

## Operational Notes

- **IMPORTANT:** For best system performance with no interaction between BaseStation internal radios in a mixed (Normal & High Density) system it is recommended that Normal-mode BaseStations and High Density-mode BaseStations or their antennas be separated by at least at 80 feet (24 meters) or greater for 900MHz products and 60 feet (18 meters) for 2.4GHz products. It is possible to operate with less physical separation; however, overall range may be affected as the distance of separation is decreased.
- Pliant's Firmware Updater Application, a companion desktop software, should be used to update CB2 system device firmware (CB2 BaseStations and CRP-12 Radio Packs) when required. Additionally, this application allows users to update the firmware on the Pliant 6+6 Drop-In Radio Pack and Battery Charger (PBT-RPC-66) when applicable. Choose between the "CB2 System Devices" tab and the "Battery Chargers" tab within the application, depending on the type of device you need to update.
  - » The Firmware Updater Application is automatically updated (Internet connection required) to include the latest versions of firmware for CB2 System Devices and the Battery Charger. Go to <https://plianttechnologies.com/support/software-firmware/> to download the updater application.

## Previous Version Notes

- A previous hardware and firmware update resolved an issue with RPs purchased before approximately May 24th, 2021 where the RP button lights blink while in the charger.
  - » A hardware modification to the RP is required to resolve this issue. If you choose this modification option, confirm that your charger firmware version is 1.8.0.12 or higher. This charger firmware update is required in order for your newly-modified RPs to charge.