

LATEST FIRMWARE UPDATES FOR CS750 SERIES AND CS800 SERIES RADIOS

AUTHORIZATION VERSIONS

Connect Systems has developed a line of DMR equipment with features specifically related to the Amateur market. In an effort to insure that these custom firmware versions can only be applied to our radios, we have worked with our manufacturer to create a system capable of recognizing radios sold by CSI and only applying the latest updates to those radios. This system has been in the firmware and CPS since late summer but has not been officially activated until now. The latest firmware for the radios – S3.00.01 for the Mobile and S3.00.03 for the HT – now requires all radios to be properly authorized before it can be used. All radios manufactured after June of 2015 are already set up for this update and we have begun delivering radios with these versions installed. Radios manufactured prior to June of 2015 will need to undergo an authorization procedure to allow future updates to be installed.

Since the new firmware needs to be installed in order to obtain the authorization request data, it is easiest to just upload the new firmware to determine whether or not the radio is ready to go. If the radio is already authorized, the firmware update will go through as it normally does and you will be back on the air in a short time. If it needs authorization, the firmware update will result in a blank screen and the LED flashing a code of red, green, and amber lights in sequence. Follow the directions below to obtain the required code.

- Check your bootloader version
 - This is important as the new firmware will only work if the bootloader is 2.01 or higher in the HT or 2.02 or higher in the Mobile
 - Either navigate through the radio menu system (Utilities > Radio Info > Bootloader Ver.) or read the radio data into the CPS and look at the Radio Info tab
 - If the bootloader is incorrect, please update that first
 - When the correct bootloader is confirmed, proceed to the update

- Update the firmware
 - Use FlashBurn2.0 for all radios
 - Download the latest version for the HT or Mobile (V3.00.##)
 - Connect the radio and upload the firmware per the usual instructions
 - If the radio restarts properly (automatically for the HT, manually for the Mobile) the authorization is complete
 - The HT update is now complete and ready for use
 - The Mobile now needs a front panel update to activate new features
 - If the radio displays the LED warning (Flashing R-G-G-Y-Y-Y), continue with collecting the license data

- Collect the necessary license data
 - With the radio on the firmware V3.00.## and still connected to the PC, open CPS 4.00.13 or 4.00.20
 - Click Tools > Software Control License Apply
 - Click 'Create a new license file' to generate the file for the data – use your serial number for its name so we can track your request easier
 - Click 'Open a Local license file' and select the file name you just created
 - Click 'Start Read' to download the Unique ID of the radio – it will save to your opened file automatically
 - IF YOU HAVE MORE THAN ONE RADIO – Please read all of the radios into one file
 - Send this file to support@connectsystems.com for further processing. It will take a day or two for us to send the data to the manufacturer and receive the license file back

- Replace the old firmware
 - To use the radio while waiting for the authorization file, reload the previous version of firmware into the radio
 - Turn off the radio and restart it while holding the PTT and top orange buttons
 - Use FlashBurn2.0 to load firmware 1.01.07 until the license file arrives

- Apply the license file
 - When CSI sends your authorization file, it will arrive with an extension of .llc
 - Download this from the email and save it to a known directory
 - Connect the radio. If you left V3.00.## in the radio, proceed with registration (next step). If you rolled the firmware back while waiting, update the firmware to V3.00.## before proceeding. The LED should blink R-G-G-Y-Y-Y.
 - Open the CPS, and click Tools > Software Control License Register
 - Click the button to the right of the field labeled 'License Register File(*.LLC)' and select the file sent to you
 - Click Register/Active and wait for the completion prompt
 - Close the CPS and open FlashBurn2.0
 - Upload the latest version of firmware and confirm that it is recognized properly
 - The HT update is now complete and ready for use
 - The Mobile now needs a front panel update to activate new features

- Updating the Mobile Front Panel
 - Download the 'Upgrade Tool R1.02.exe' and the new firmware from the CSI website
 - Connect the main radio cable (DB15) to the computer and radio

- Connect the front panel cable to your computer and verify that it is recognized and operating properly – confirm which COM port is assigned to the cable
- Start FlahsBurn2.0
- Start the FlashUpgrade Tool, select the proper COM port and baud rate, select the Mobile_Panel_R1.00.04.fot' file
- Connect the front panel cable to the radio, start the radio while pressing and holding the front knob, and wait until FlashBurn indicates that the device is connected
- Press the Flash button and monitor the update progress
- When complete, turn off the radio, disconnect the cables, restart the radio and verify that all updates have been installed and recognized

This completes the update procedures for this latest version of firmware. Future updates will install as usual once the radio has been authorized.

As always, please feel free to give us a call with any questions or problems encountered during the updates.