

1. Upgrading the Radio's Firmware

From time to time, GE MDS releases new firmware for its radio products. This file can be installed in existing radios to take advantage of engineering improvements or additional features that have been added. Two methods may be used to load new firmware into the radio: TFTP and Serial Transfer.

1.0. Firmware Upgrade via Serial Transfer (COM1 Port)

Firmware files are available free-of-charge online at:
www.GEMds.com/service/technical/support

NOTE: Serial reprogramming takes several minutes at 115200bps baud rate. 115200 bps is recommended although reprogramming is possible at lower baud rates.

Follow these steps to upgrade the firmware using the radio's COM1 serial port:

1. Enter **PROGRAM** command. At the **ARE YOU SURE?** prompt enter **YES**.
2. At the **LOADER>** prompt enter **ERASE**. The response **ERASE OK** is returned.
3. Configure the terminal program for **XON/XOFF** flow control.
4. At the **LOADER>** prompt enter **PROGRAM**. Do not type any more characters at the prompt.
5. Send the .s28 encapsulated version of the firmware package. Note that this file needs to be sent before programming times out. If a second **LOADER>** prompt appears, nothing should be echoed to the terminal. If the S-Record is echoed to the terminal, the programming has timed out and needs to be re-started. Reset the terminal program and try this step again.
6. Programming is complete when **PROGRAMMED OK** appears at the prompt. The active image has now been changed to the new package.
7. Reboot the unit or type **EXIT** at the **LOADER>** prompt to reboot to the new firmware image.

End of Serial Upgrade Procedure