

Dan Ambrose d/b/a EnecsysParts.com

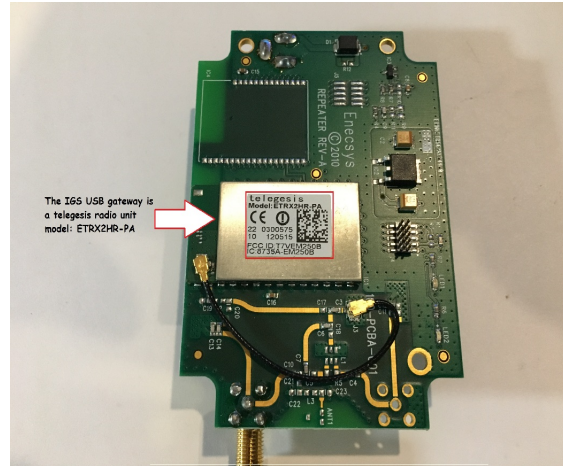
12614 Bradford Woods

Saint Louis, Missouri, USA, 63127

Facetime: [dambrose @ amcominc.net](mailto:dambrose@amcominc.net)

Email: support@enecsysparts.com

OCTOBER 11, 2018 USB GATEWAY FIRMWARE UPDATE INSTRUCTIONS

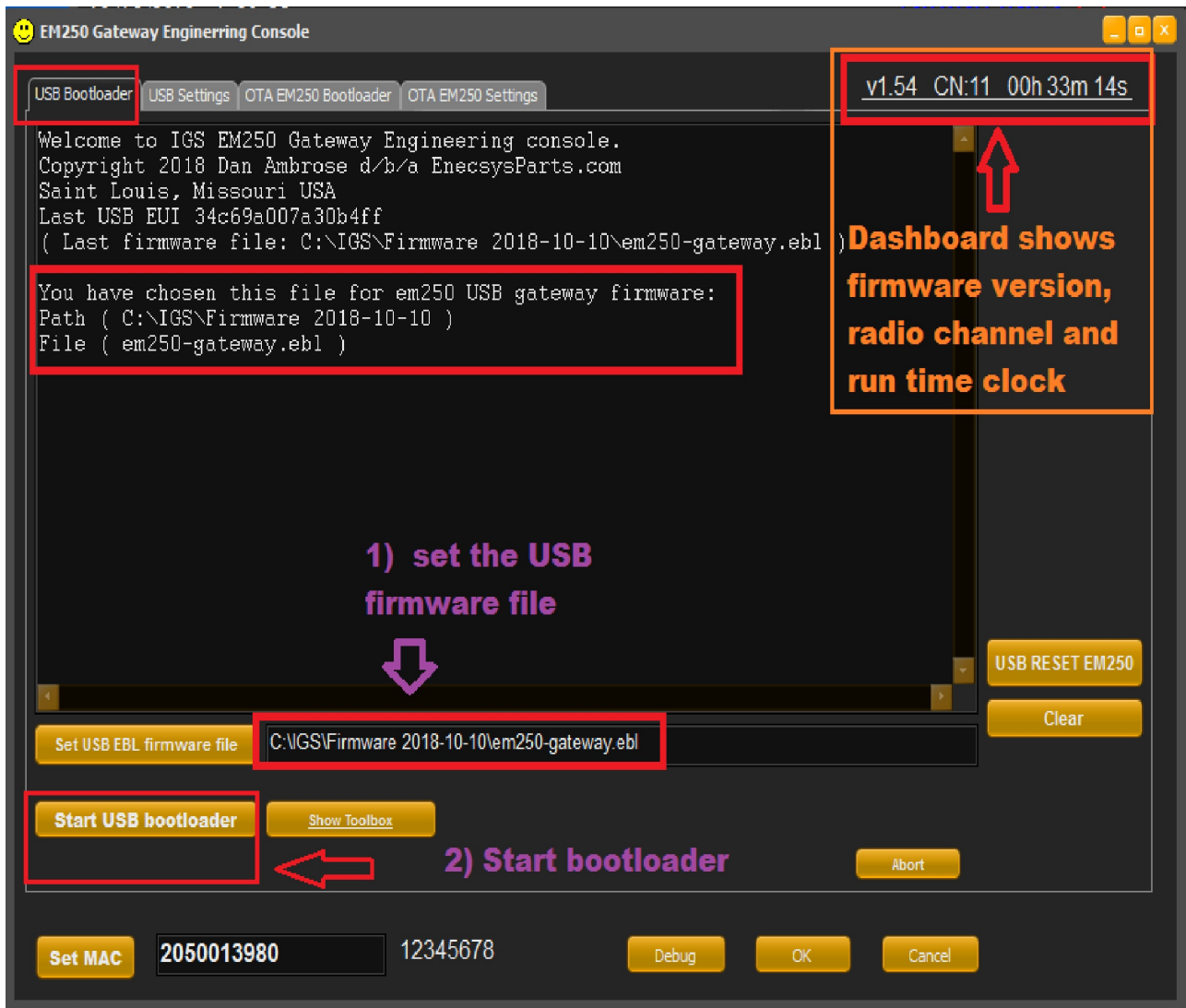
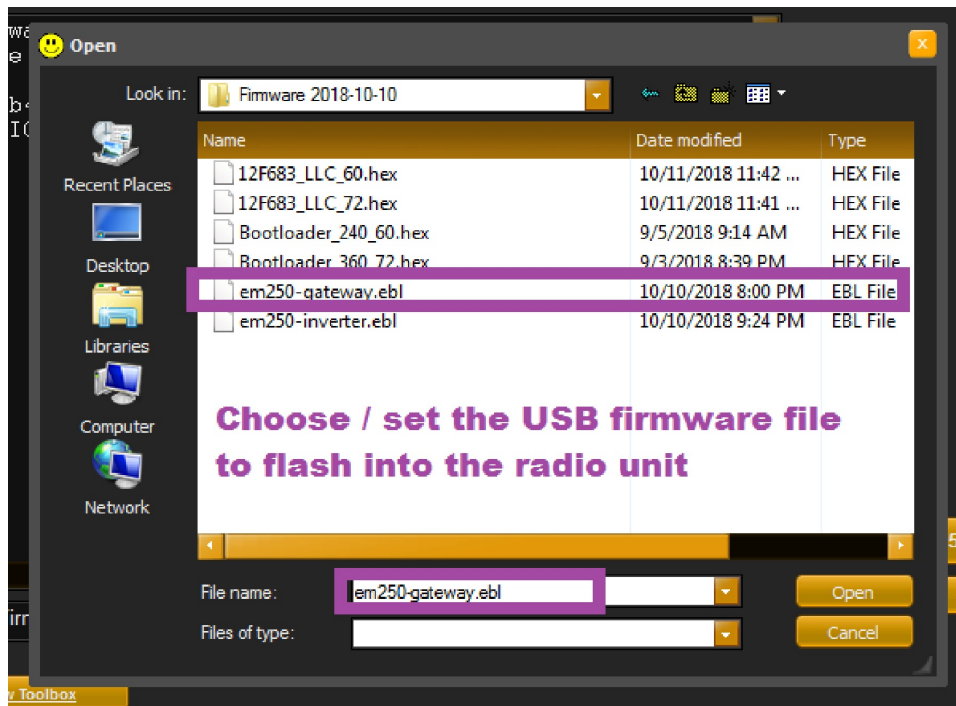


Technical Background - The IGS radio unit is a *Telegesis* ETRX2HR-PA Zigbee WIFI radio unit with an Ember EM250 processor. It has a 128k of program flash space and runs with the Ember ZNet5.0.1 stack. There is a wired bootloader on the USB serial port which conforms to the EBL (ember boot loader) format. (Software is developed in the C language using the xIDE compiler which creates “EBL” firmware files.

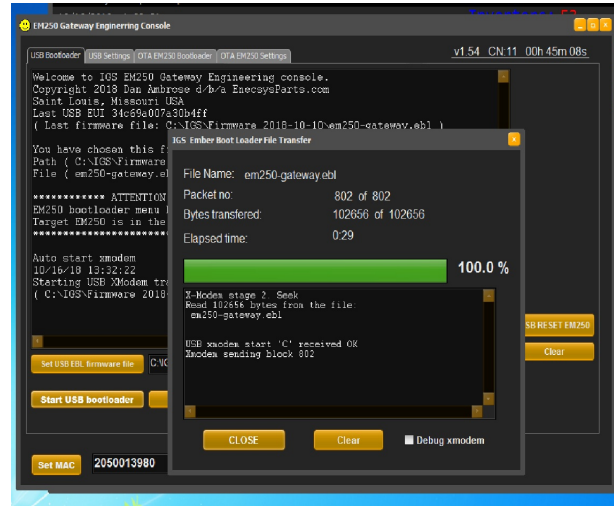
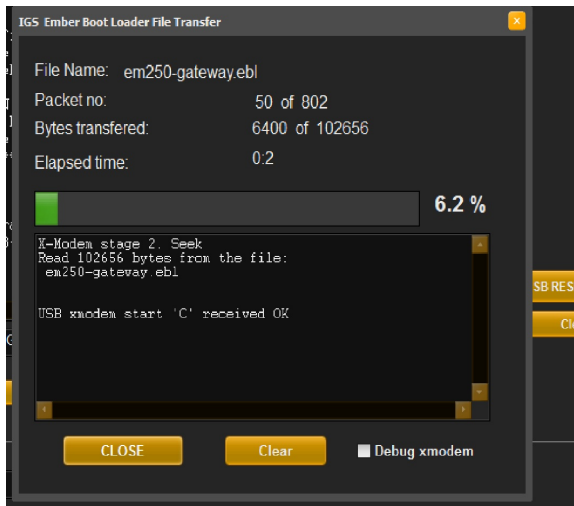
IGS USB RADIO FIRMWARE UPDATE STEPS

- 1) Install the latest version of IGS from www.enecsysparts.com
You must be running Ver 2.07 or later.
To check the version of IGS (windows app) software go to Help | About
- 2) Open the EM250 engineering console. From main menu go to TOOLS | EM250 Engineering Console. Click USB Bootloader tab.
- 3) Click “Set the USB firmware file” Type **C:\IGS** and press enter. Look for Firmware folder and double click it. Look for the firmware file **em250-gateway.ebl** and double click it. You should be back at the USB bootloader tab screen. Screen must say “*You have chosen this file for em250 USB gateway*” ... File (**em250-gateway.ebl**)

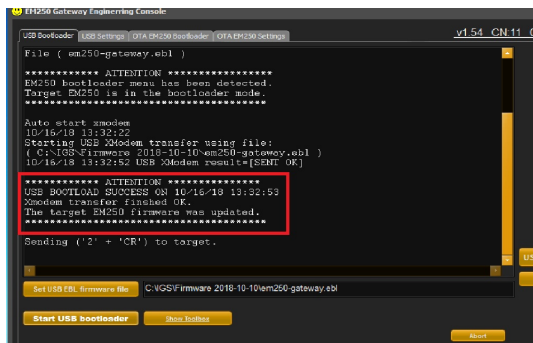




- Click USB EM250 Bootloader. An Xmodem transfer box should appear and run a flash update that takes about 30 seconds.



When finished the you should see a banner like this ...



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***** ATTENTION *****
USB BOOTLOAD SUCCESS
Xmodem transfer finished OK.
The target EM250 firmware was updated.
*****
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- After flash firmware update power reset the gateway by removing the USB plug from the host computer, wait 5 seconds then plug it back in.
- Look at the top right of EM250 engineering Console. You should see a dashboard with clock. **v1.54 CN: 11 00H 01m 22s**
Verify firmware version number is at least 1.54.

If yes you are finished and well done !!!!