

Uploading Firmware Files Using StarUtil 5000

StarUtil 5000 provides a method for uploading multiple firmware files at once.



Check receiver's firmware version prior to upload. If firmware version is 0.0.0.12 or older, upload 0.0.0.13 GNSS firmware ensemble prior to uploading the latest FW release.



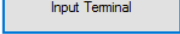
After firmware upload, check the version as shown in Step 1. If the version for BOOT1, BOOT2, and NAV does not match, upload the corresponding firmware file again.

GNSS Firmware:

- Bootloader1_ppnD_0.0.16.s19
- Bootloader2_ppnD_0.0.16.s19
- GnssReceiverPPND_0.0.16.s19
- MTest_PPND_0.0.16.s19

PIO Firmware (SF-5050):

- Bootloader1D_PPN_0.0.16.s19,
- Bootloader2D_PPN_0.0.16.s19
- PIOBApp_solsticeD_0.0.16.s19

1. In StarUtil 5000, click  button. Send [VERSION] command to check receiver's FW version (see Figure 1).

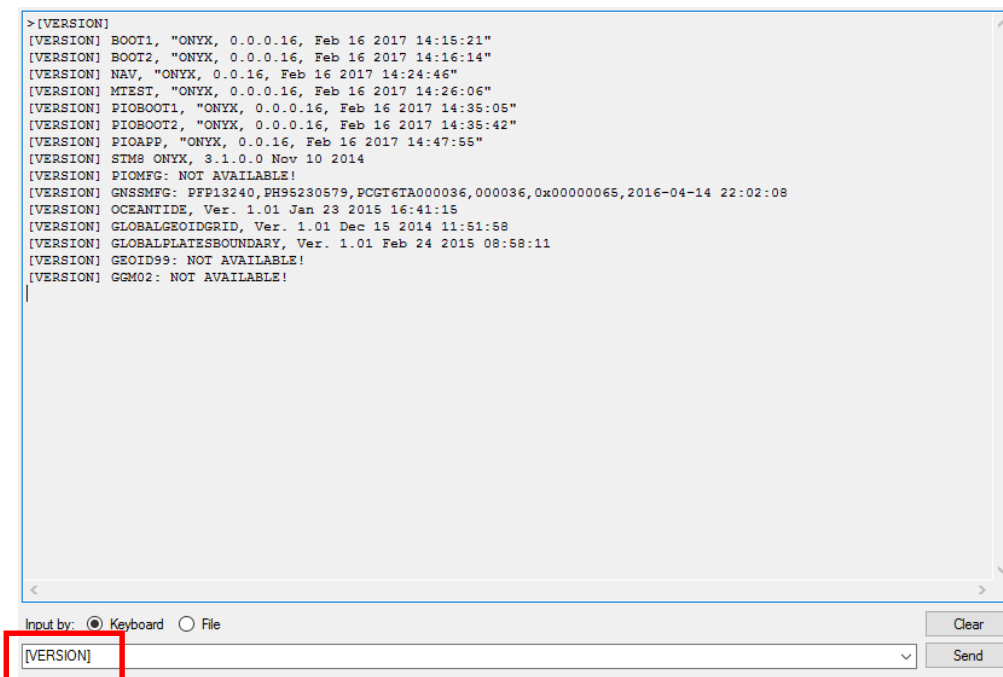


Figure 1: Input Terminal

2. Click on **Firmware Update** button. To select files click on **Add File** button and browse for files to upload. *PIO firmware for SF-5050 receiver only.*

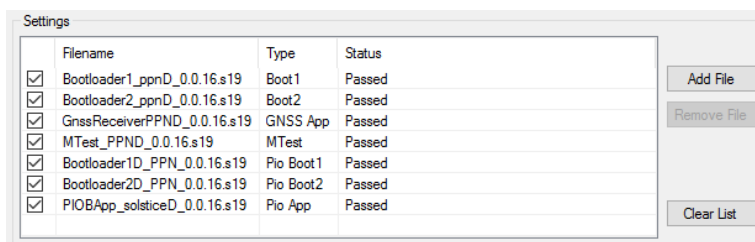


Figure 2: Firmware Update

3. When ready for firmware upload, click on **Begin Firmware Update** button to initiate (see Figure 3).

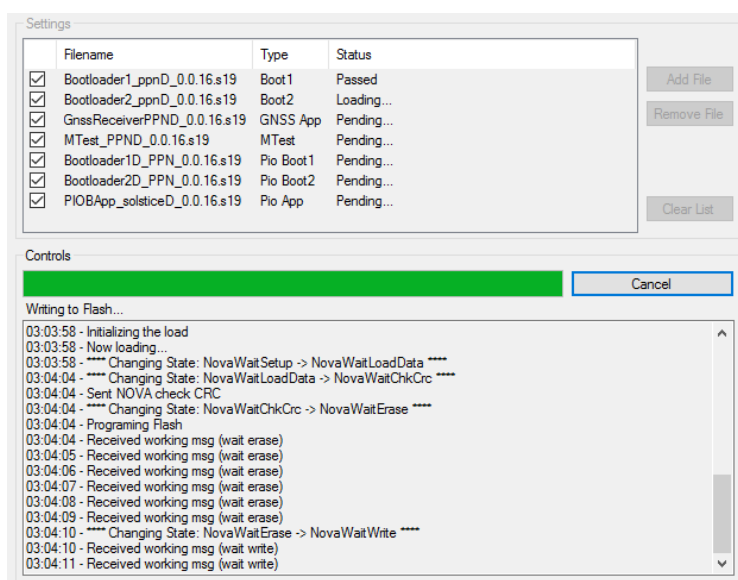


Figure 3: Firmware Upgrade Process

4. Firmware files have been successfully uploaded (see Figure 4).

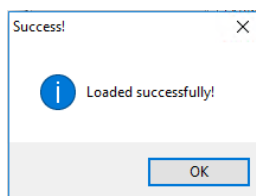


Figure 4: Firmware Successful Upload

5. Repeat Step 1 to check receiver firmware version.