

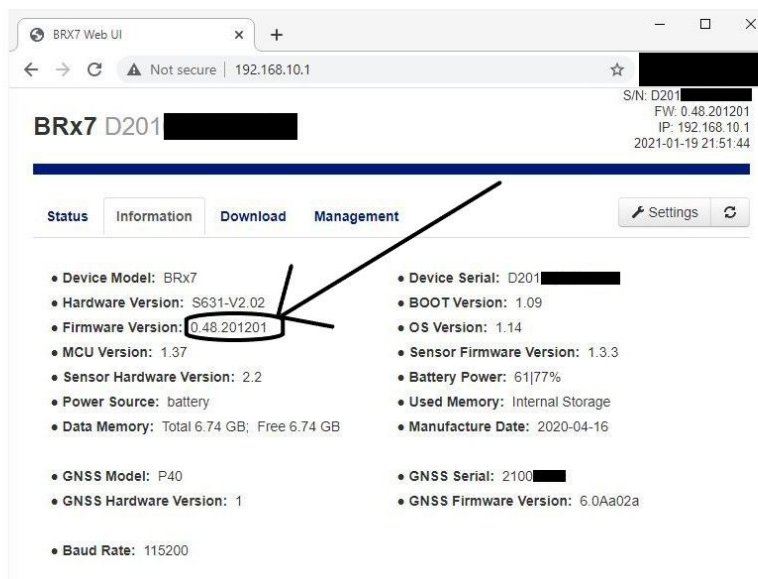
Instructions to Upgrade the Carlson BRx7 to 2022 Firmware

Follow these steps to upgrade the WebUI Firmware first:

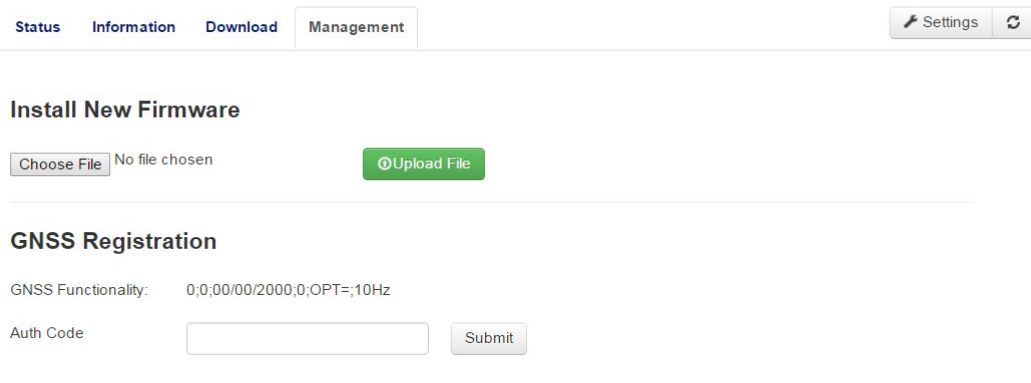
1. Download the “BRx7_WebUI_0.66.220415A.bin” file
2. Power on your BRx7
3. Connect to your BRx7 by WiFi using the WiFi manager and finding the BRx7 serial number in your list of available WiFi connections.
4. Open your web browser and in the URL address bar type the following IP address, then hit ENTER: 192.168.10.1
5. If prompted for user name and password, use the following:
 - a. User Name: admin
 - b. Password: brx7

***Some computers are unable to connect to the BRx7 via WiFi. In most cases, going into Device Manager and upgrading the WiFi driver resolves this problem.

6. The WebUI Interface should now be displayed.
7. Select the Information tab. It will look similar to the screenshot below:



9. If the Information tab shows a Firmware Version in the top left lower than 0.66.220415A you can use the steps below to upgrade to **WebUI Firmware 0.66.220415A**
10. To install the firmware, click the Management tab (shown below), then click on the Choose File button, choose the “BRx7_WebUI_0.66.220415A.bin” WebUI firmware file, then click on the “Upload File” button



Status Information Download Management Settings

Install New Firmware

Choose File No file chosen Upload File

GNSS Registration

GNSS Functionality: 0;0;00/00/2000;0;OPT=;10Hz

Auth Code Submit

11. Wait about **60 seconds** for the file to upload while it shows “File is being uploaded...”
12. You should be prompted with “Current Version” and “New Version” with a prompt “Are you sure you want to upgrade” = click OK to start the process
13. **DO NOT POWER the unit off** – after **30 seconds or so** it will show “File upload successful / System will reboot to update” then beep and the lights will flash left to right
14. Wait for **3 minutes** for all the lights to go OFF *{in some cases the unit will reboot itself and power back on like normal and you can just wait an extra 5 minutes before proceeding}*
15. If all the lights are OFF then wait **5 minutes** and then power the BRx7 on like normal
16. After **1 or 2 minutes** it will beep 3 times and the satellite light will flash RED or GREEN and the battery light will show solid GREEN
17. After the upload is completed, you will need to reconnect to the BRx7 with WiFi (using Steps #2 to #7 from the 1st page) and make sure it displays *Firmware Version 0.66.220415A* in the “Information” tab of WebUI
18. If the Information Tab shows a GNSS Firmware Version less than 6.0Aa04 in the bottom right then you can click the Management tab and click on the Choose File button, choose the **“BRx7_GNSS_060Aa04.bin”** GNSS firmware file, the click on the upload file, let the file upload, then select Yes to install to upgrade to the newest GNSS Firmware Version 6.0Aa04
19. The GNSS install takes about 6 minutes and it will show a progress bar then prompt you when it has finished. The BRx7 does not power cycle after updating the GNSS firmware.
20. To finalize all of these changes scroll down in the Management tab and click OK next to **Restore Factory Settings** {takes 3 to 5 minutes}
21. Run SurvPC and go into Equip / GPS base or GPS rover and tap the RTK tab and tap “wrenches” next to **“Device: Receiver GSM”** to set your sim chip provider if applicable and/or “wrenches” next to **“Device: Internal Radio”** to verify your UHF radio settings