



SurvCE / PC

Atlas Setup



GNSS Global Correction Service



1 Upgrade BRx6 to appropriate firmware versions

The BRx6 has ODBoot FW, MCU FW, WebUI FW and GNSS FW. Firmware versions and updates are easily determined and updated via the BRx6 WebUI.

Connect to the BRx6 using WiFi at 192.168.10.1 (using 'admin' and 's321' for username and password).

Under the Information tab, BRx6 firmware details are listed.

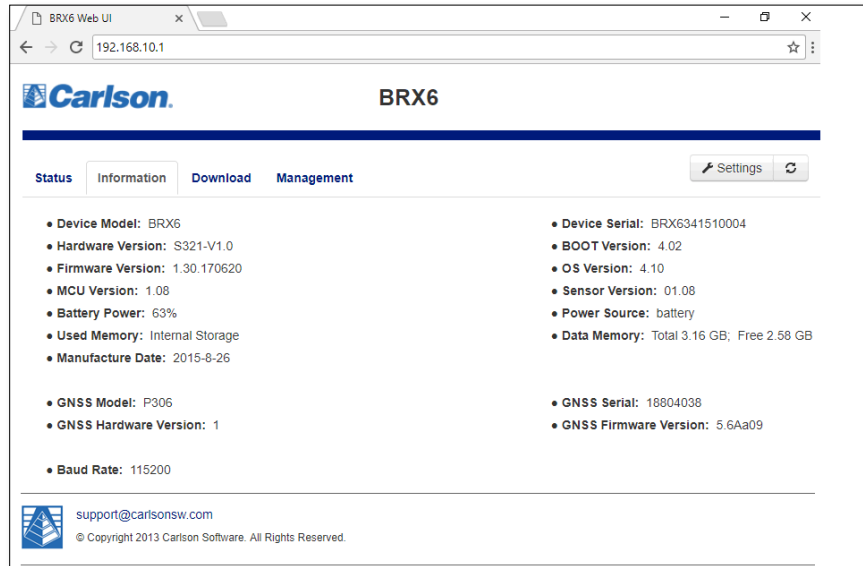


Figure 1: Information Tab - BRx6 WebUI

1.1 Firmware

If the BOOT Version is lower than 4.02 or the OS Version is lower than 4.10, install **S321_OSBoot_160927.bin**.

If the MCU version is lower than 1.08, install **S321_MCU_160129.bin** (reboot required).

If the Firmware Version is not 1.30.170620, install **S321_WebUI_1.30_170620.bin**.

If the GNSS Firmware Version is lower than 5.6Aa09, install **S321_GNSS_56Aa09.bin**.

Firmware is available to download [here](#).

2 Upgrade SurvCE / PC to appropriate versions.

SurvCE / PC must be of version 5.06 or higher. SurvCE / PC can be upgraded or purchased from the SurvCE website: www.survce.com/home.



3 Atlas Registration

Determine the appropriate service level (Demo, One Month, Three Months, One Year) and go to www.carlsonsw.com/products/data-collection/atlas/ for the selection.

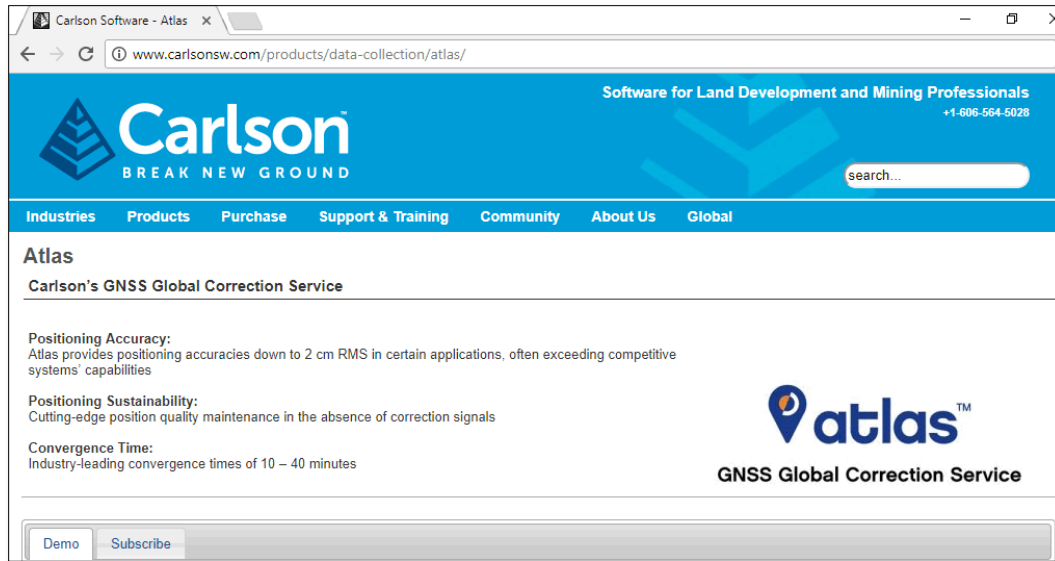


Figure 2: Atlas Service Selection

The Demo Tab will allow for a 6-Month trial subscription. The Subscribe Tab will allow for available subscription services. Once the appropriate selections are made and information filled in, click on the Submit button.

Submit

Information will be submitted to the Carlson Admin Team who will then generate a license activation code. An email with the license activation code will be sent shortly thereafter.



4 Atlas Activation

The email generated will contain the license activation code; copy this code to paste in the BRx6 WebUI. Connect to the BRx6 using WiFi at 192.168.10.1 (using 'admin' and 's321' for username and password). Under the Management Tab, paste the license activation code under the 'GNSS Registration' heading and click the Submit button.

GNSS Registration

GNSS Functionality: 7F;0;00/00/2000;0;OPT=;20HZ;EDIF;RTK;BASE;RAW_DATA;L2_L5;MULTI_GNSS

Auth Code

Figure 3: License Activation Code

5 Using Atlas with SurvCE / PC

Once Atlas has been activated for the BRx6 receiver, enable the service in SurvCE / PC.

- In GPS Rover → Receiver Tab → Advanced button, ensure 'Enable SureFix' is disabled.
- In GPS Rover → RTK Tab, set receiver to 'Device: Lband' to use Atlas corrections.

These above selections will allow for Atlas to Converge. Convergence takes anywhere from 10-40 minutes. Once convergence is complete, active survey screens will show 'Atlas Converged'.

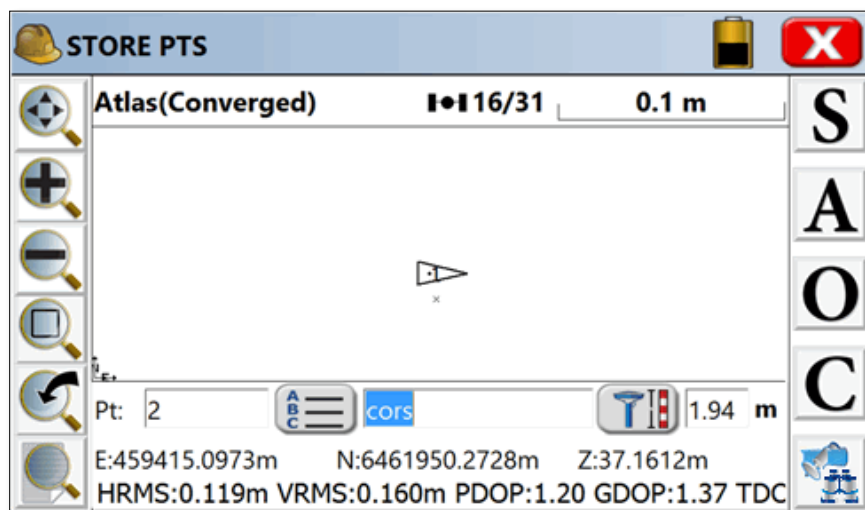


Figure 4: Atlas (Converged)