

AUSCORS NTRIP Configuration in Carlson SurvPC (Windows)

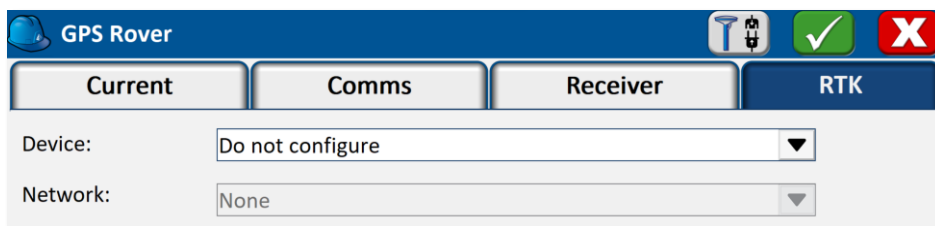
The following outlines the procedure for configuring a Carlson BRx7 receiver to the AUSCORS NTRIP Broadcaster in Carlson SurvPC. The service provides free and open access to real-time GNSS data corrections from Continuously Operating Reference Stations (CORS) around Australia.

Prerequisites

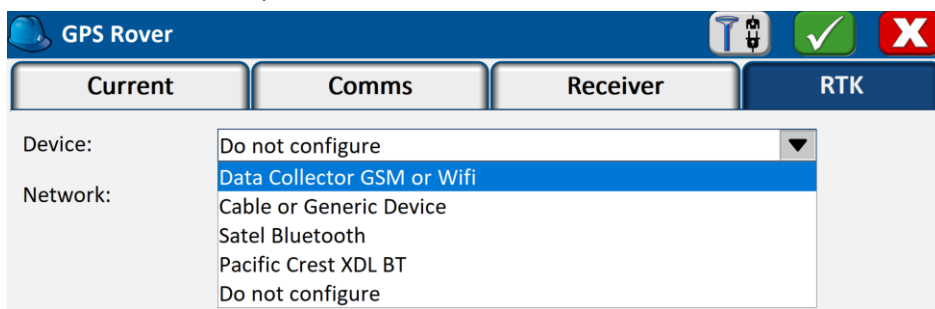
- a. Carlson RT4 tablet with SurvPC software installed.
- b. Internet connection to the RT4 via cellular* or Wi-Fi (hotspot using a cellular modem or mobile device)
- c. Established Bluetooth connection between RT4 and BRx7 receiver.
(Ensure receiver has clear line-of-sight with the sky)
- d. Registered account with Geosciences Australia: <https://gnss.ga.gov.au/registration>

*For cellular enabled version of Carlson RT4 only.

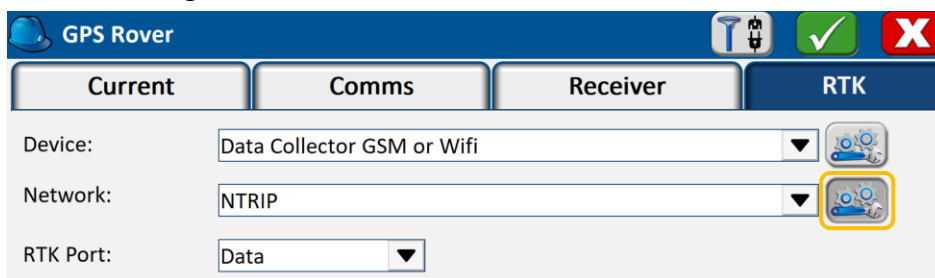
1. From the main menu, go to *Equipment* – 3 *GPS Rover* then select the **RTK** tab.



2. Under the *Device* drop-down menu, select **Data Collector GSM or Wifi**.



3. Click the Settings () icon next to the *Network* section.




4. In the *NTRIP Broadcasters* window enter the following details then click  button when finished
IP addr: ntrip.data.gnss.ga.gov.au **Port:** 2101 **User & Pwd:** Your Geosciences Australia credentials.


5. Check the **Sort Bases by Nearest** checkbox at the bottom of the *Bases for AUSCORS* screen.

Sort Bases by Nearest

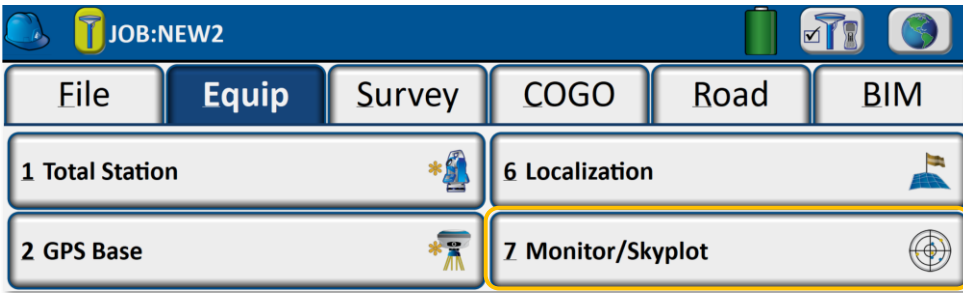
The *Name* drop-down menu will re-populate the reference station list by distance to your location.

Select the reference station that is nearest to you then click the  button.

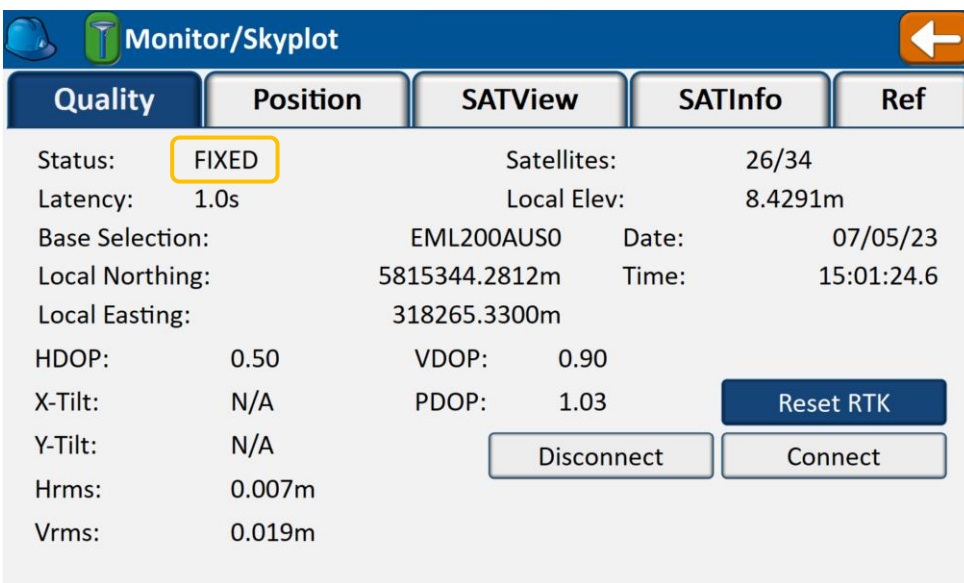
6. The screen will transition back to the *GPS Rover – RTK* menu.

Confirm the *AUSCORS* section is displaying the chosen reference station then click the  button.

7. From the main menu, go to Equipment – **7 Monitor/Skyplot**



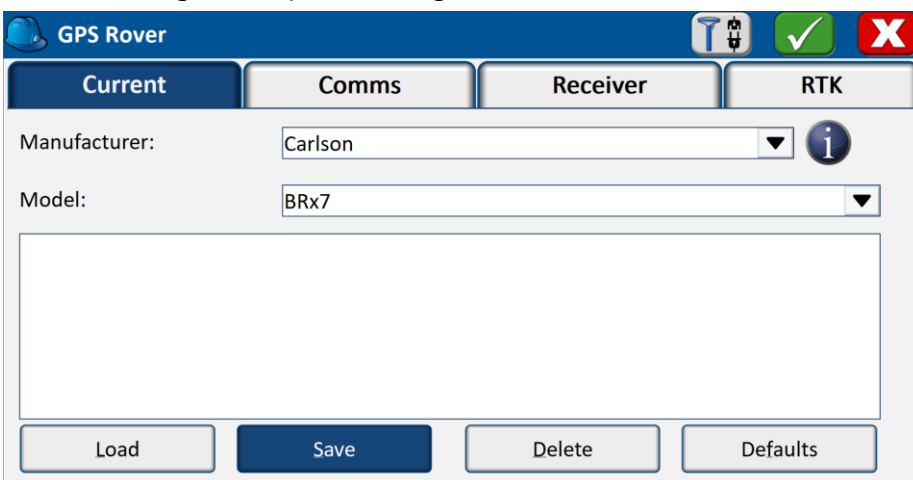
8. Under the *Quality* tab, the *Status* should display a **FIXED** position which indicates the receiver is connected to the AUSCORS NTRIP service and receiving corrections.




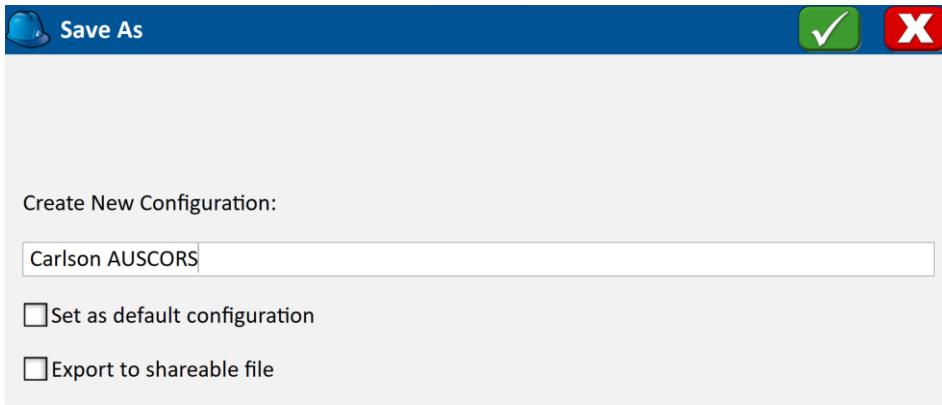
If a *FIXED* solution cannot be achieved with a few minutes, then it's likely that the reference station is offline and not transmitting corrections. Repeat **Step 5**. and select another reference station.

9. It's recommended to save the settings as a configuration profile for ease of setup on future deployments. This is also useful for switching between correction sources such as internal radio, serial, Bluetooth, etc.

To save a configuration profile, navigate to the *GPS Rover* – *Current* tab and click **Save**.



10. Input desired name for the profile then click the  button.



11. To load the profile, select the profile name in the list then click the **Load** button.

