

Technical Note

(tcpgps_windows_hitarget_en_v4_003_setting_up_rover_in_rtk_mode_using_internal_gsm_modem)

Setting up rover in RTK mode using internal GSM modem

Update Date

07/05/2019

Requirements

Hardware:

GNSS receiver: SatLab SL700 / SL900
HiTarget V90+ / iRTK5

Tablet / Laptop: Device with **ARM** processor architecture and **Windows CE** or **Windows Mobile v4+** operating system or device with **x86** processor architecture and **Windows 7 / 8 / 8.1 / 10** operating system

Software:

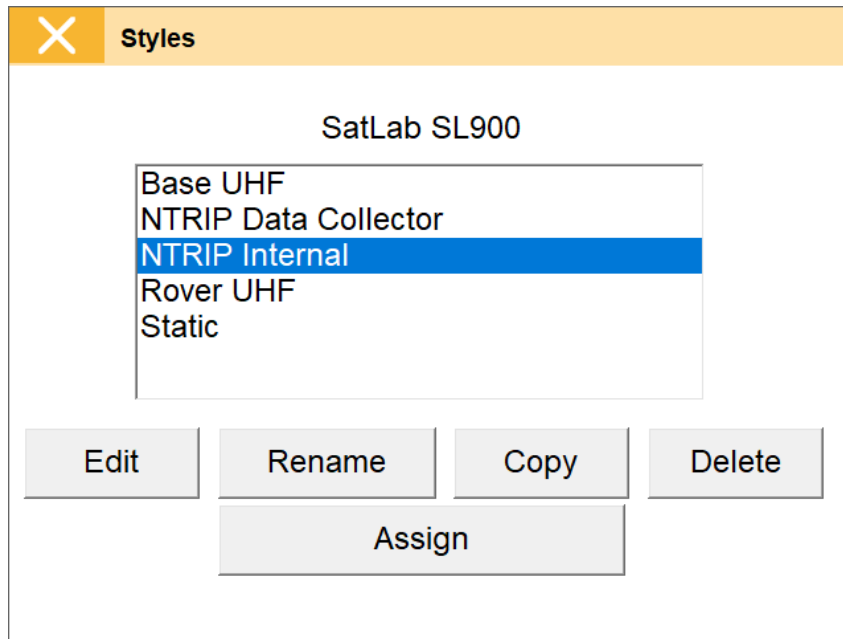
TcpGPS v4.2.5+ for Windows

Objective

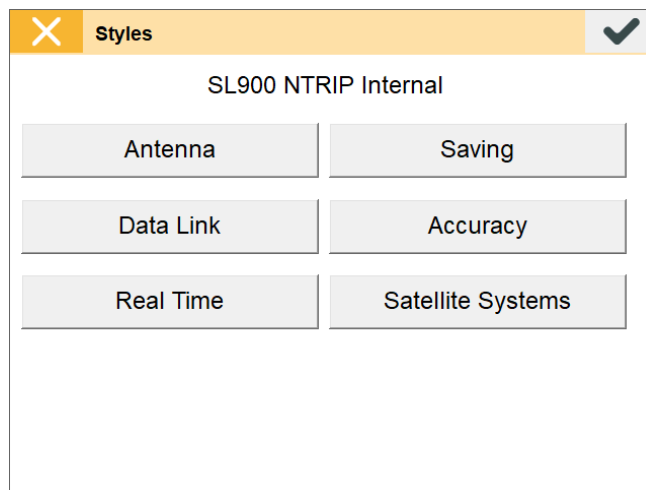
Setting up the rover GNSS receiver in RTK mode using the internal GSM modem

Details

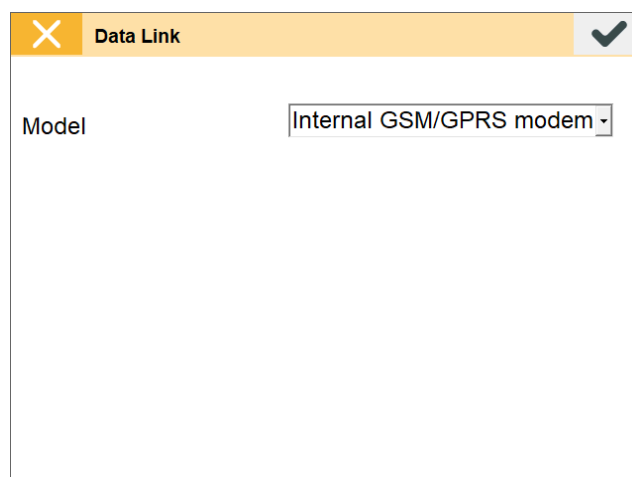
- Run TcpGPS
- Connect to the rover GNSS receiver
- Go to *GPS > Styles*, select *NTRIP Internal* and click on *Edit* button



- Click on **Data Link** button



- Select **Internal GSM/GPRS modem** and click on accept button ✓

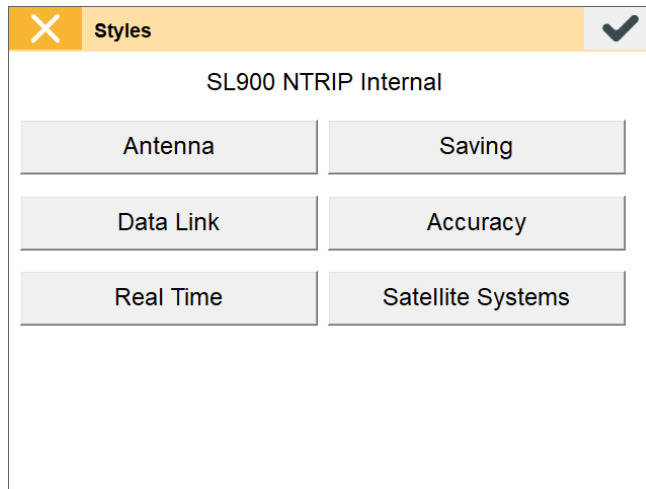


- Click on **Real Time** button

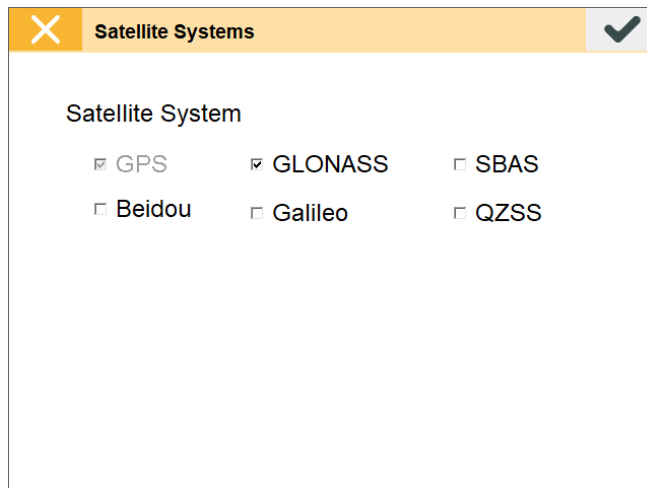
- The RTK **Format** is selected automatically by the GNSS receiver so leave the default value. Then, click on **Details** button


- Enter **Operator** (carrier) and **NTRIP** caster parameter values and click on accept button

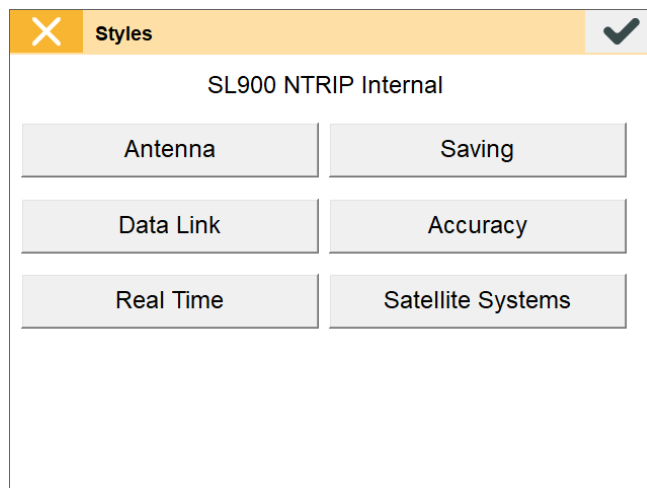
- Click on *Satellite Systems* button



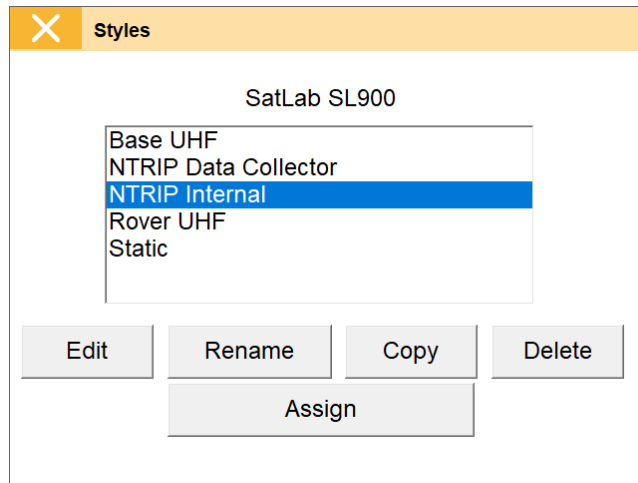
- Select the satellite systems to be used and click on accept button



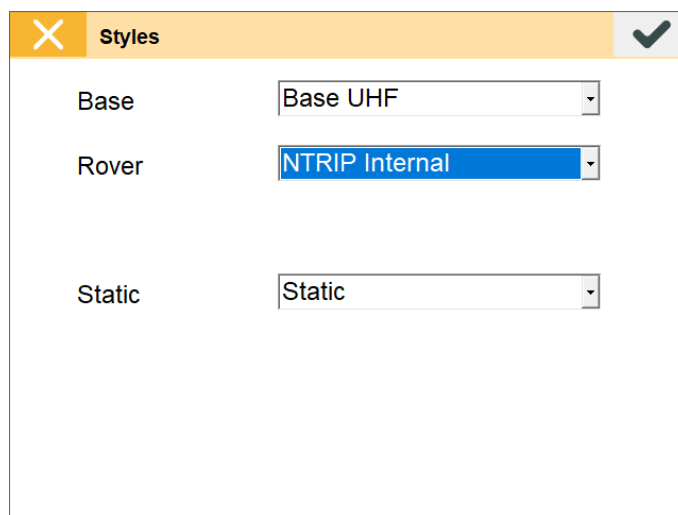
- Click on accept button  to save the changes in the working style



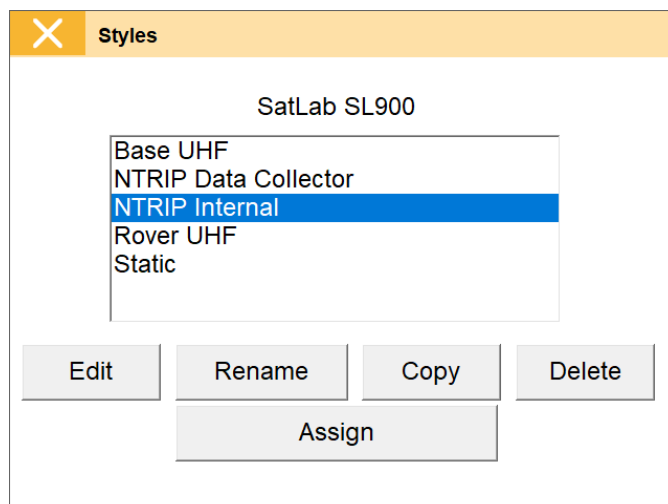
- Click on *Assign* button to select the working style for rover mode



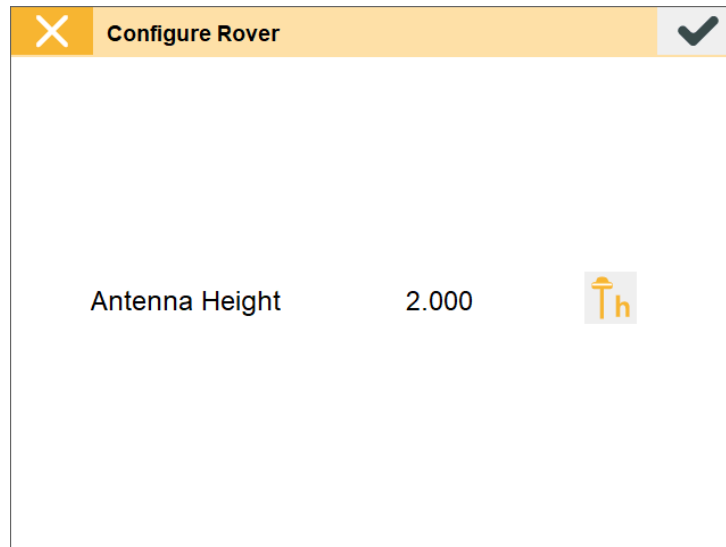
- Select the *NTRIP Internal* working style in *Rover* list and click on accept button



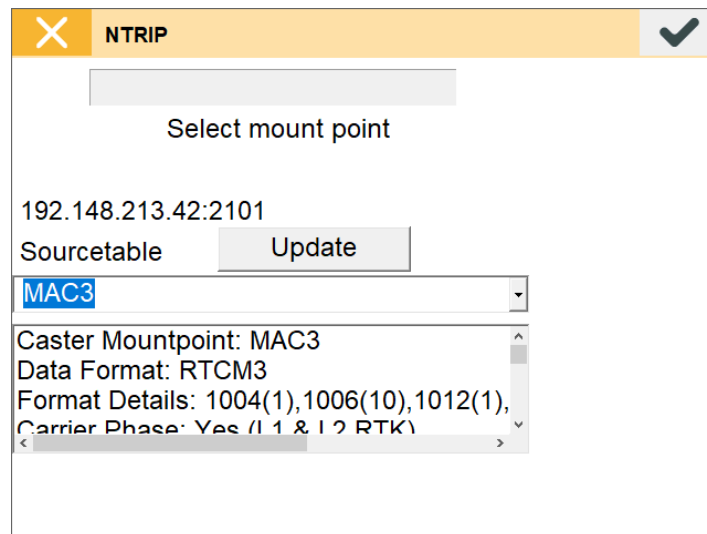
- Close the working styles screen to return to the main menu



- Go to **GPS** > **Configure Rover**, enter the antenna height and click on accept button ✓



- Select the mountpoint to be used and click on accept button ✓



- Go to **GPS** > **Position and Satellites** to check that the RTK status is **Fix**