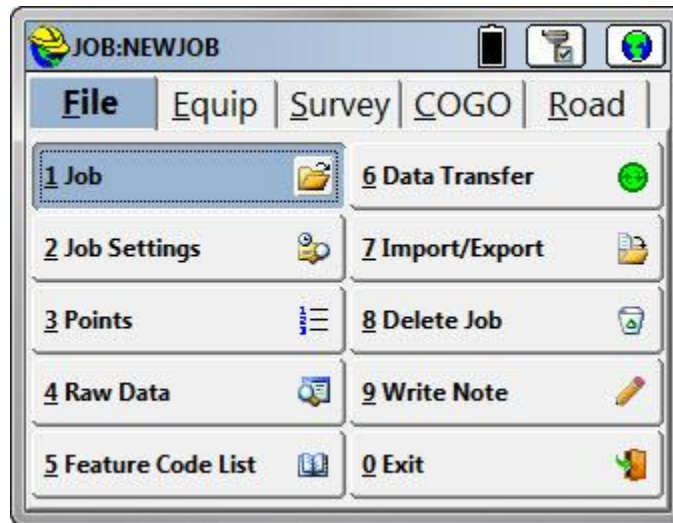


Carlson Surv CE

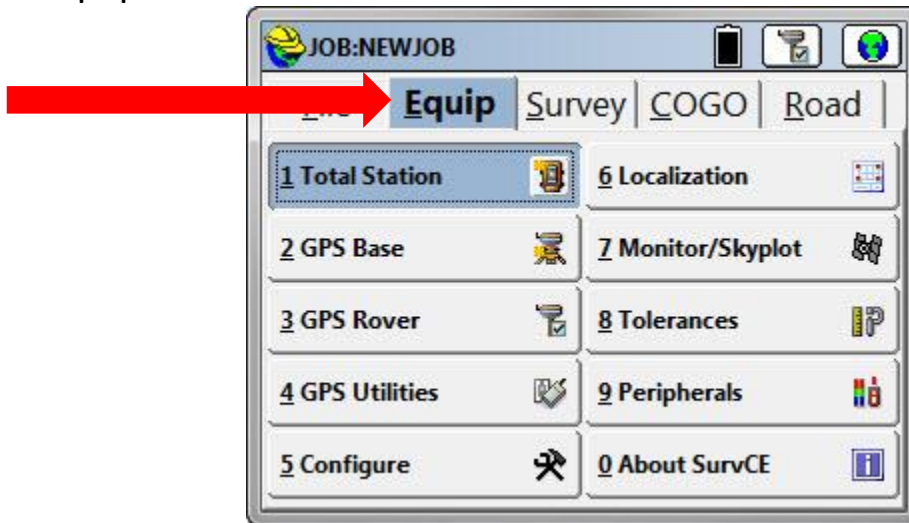
FPRN Real-Time Network Settings

Internet connectivity **must** be established before proceeding with these instructions.

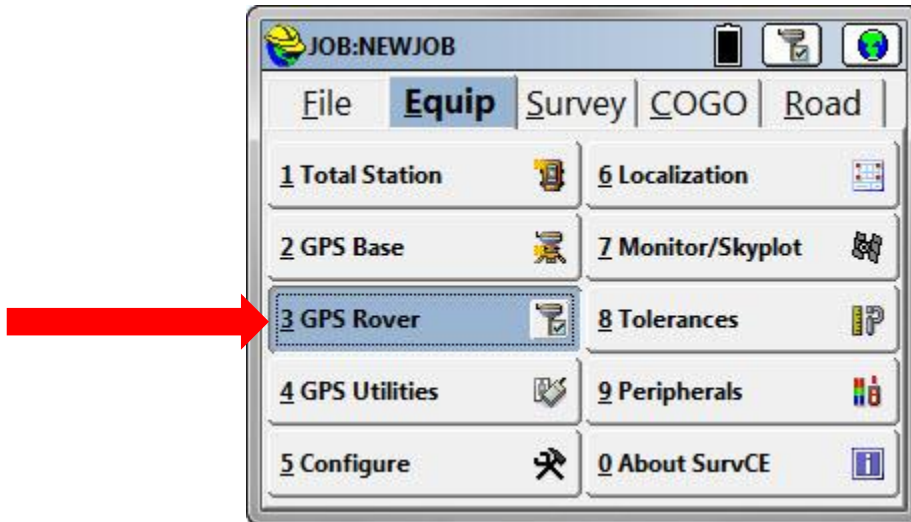
- Open Carlson



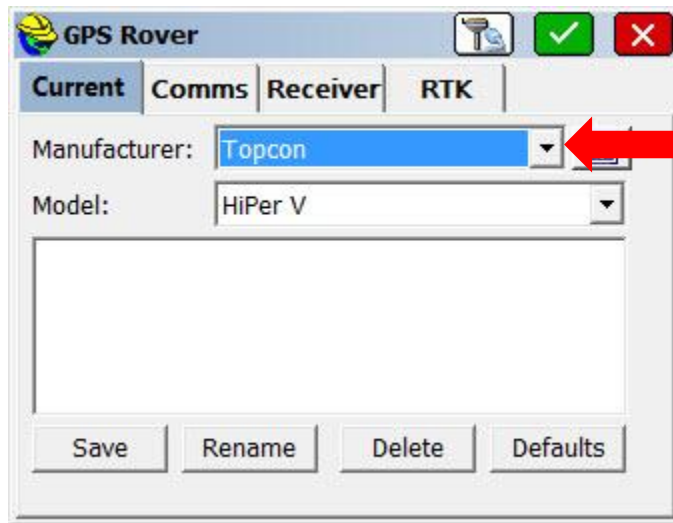
- Select "Equip" tab



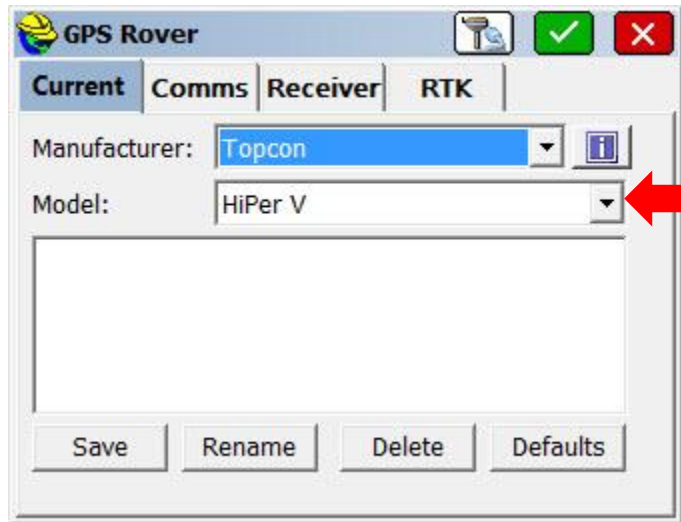
- Select “GPS Rover” button



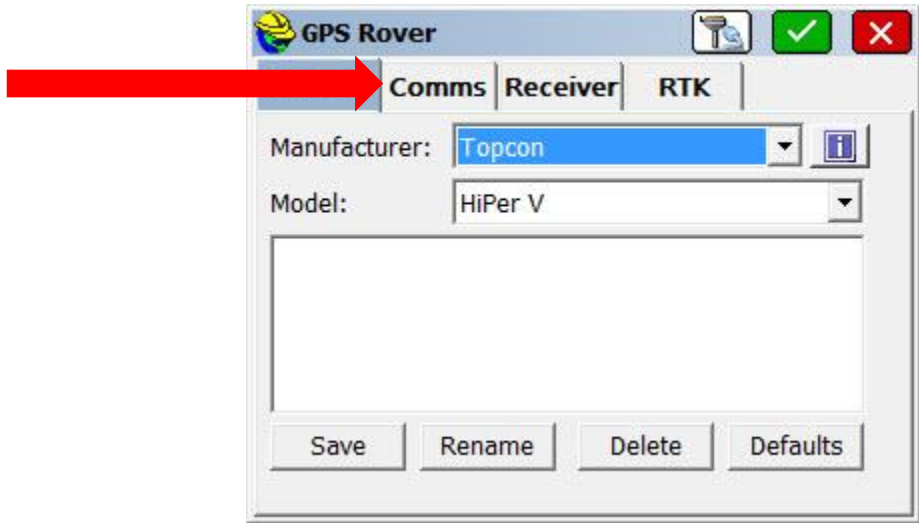
- Choose GPS Sensor



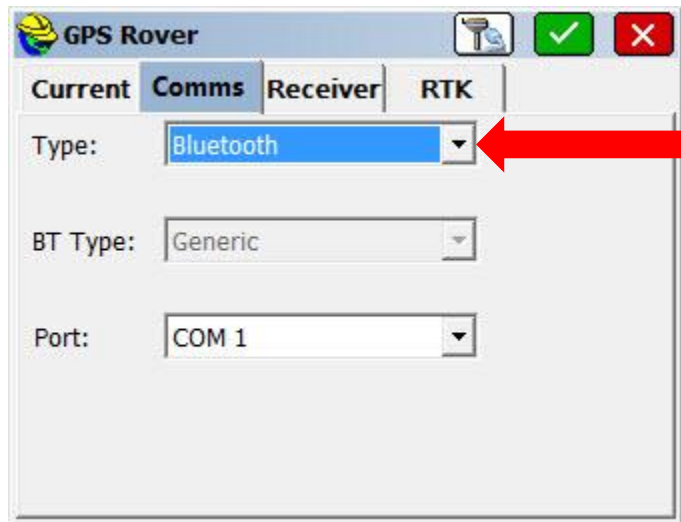
- Choose GPS Sensor Model



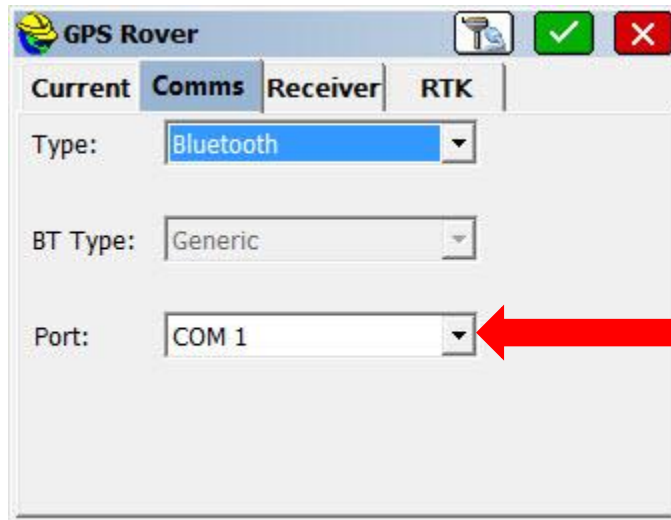
- Select Comms Tab



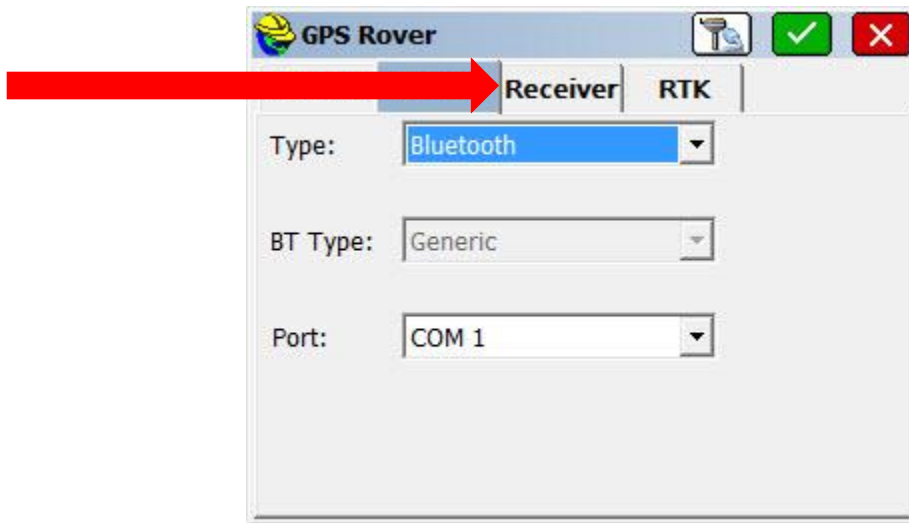
- Choose Communications Type



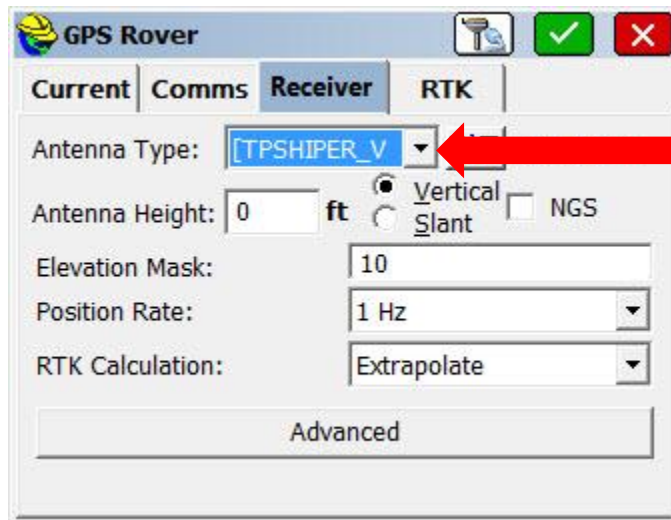
- Choose Communications Port



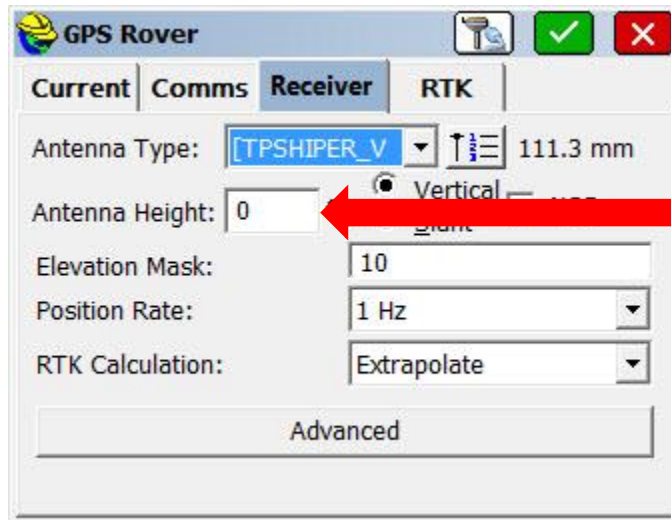
- Select Receiver Tab



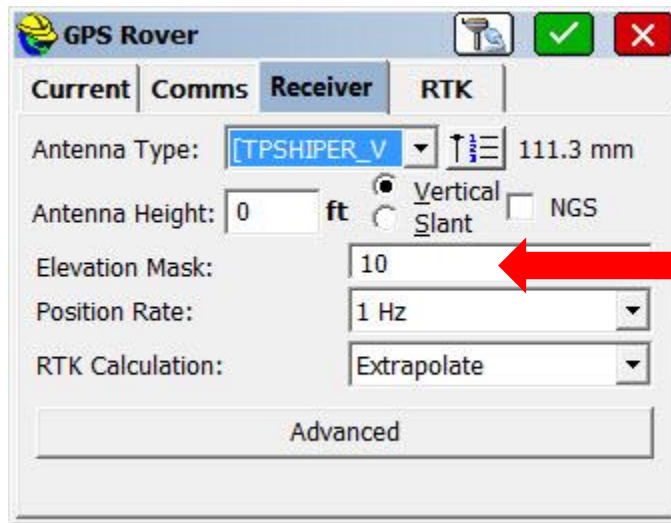
- Choose Antenna Type



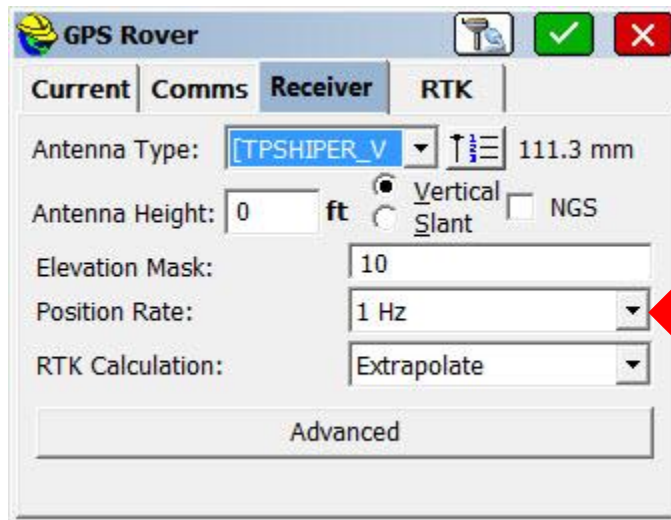
- Set Antenna Height



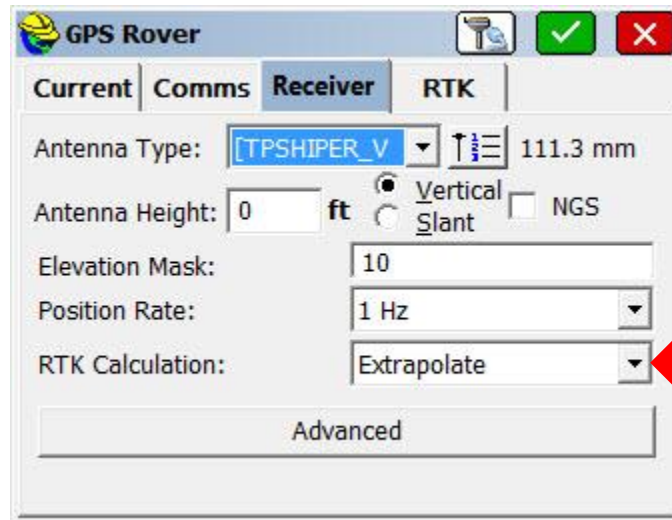
- Set Elevation Mask



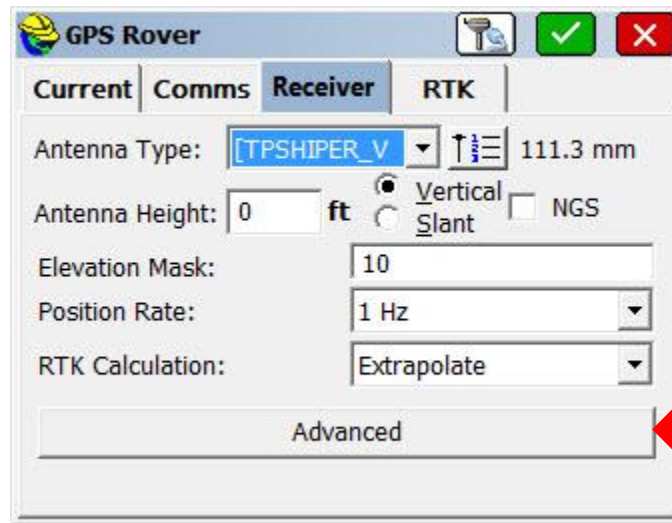
- Choose Position Rate



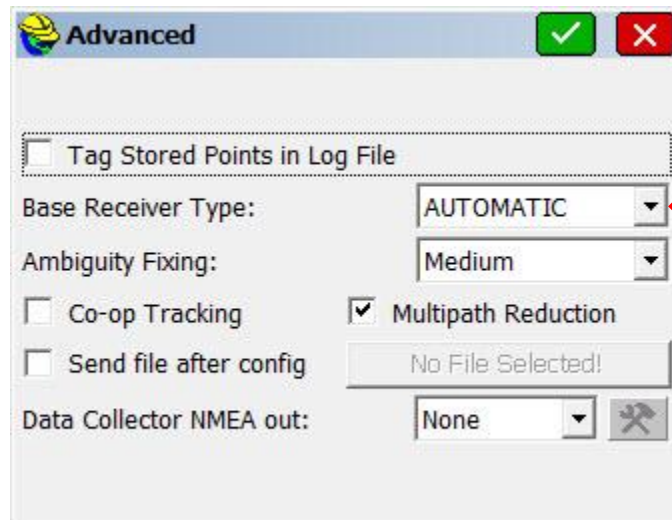
- Choose RTK Calculation Type



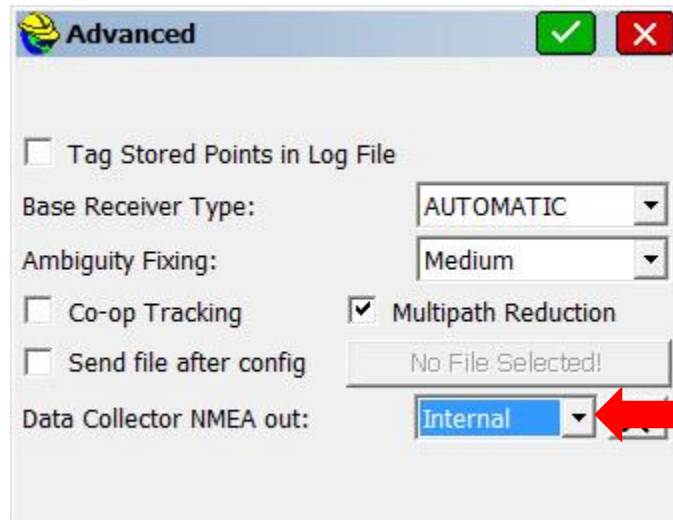
- Select Advanced



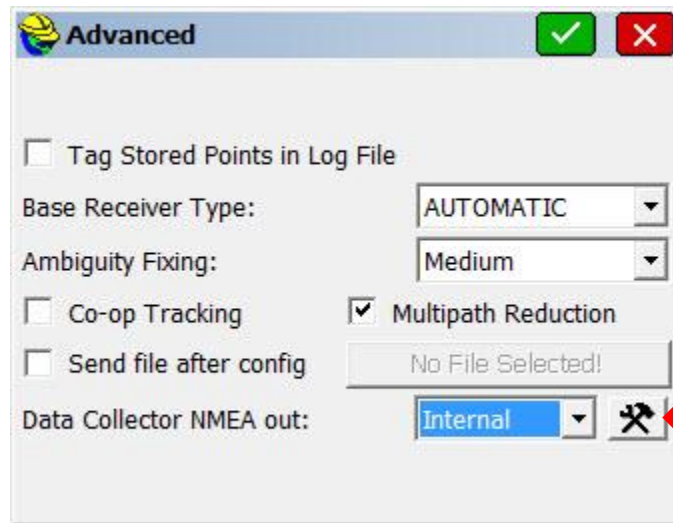
- Set Base Receiver Type to AUTOMATIC



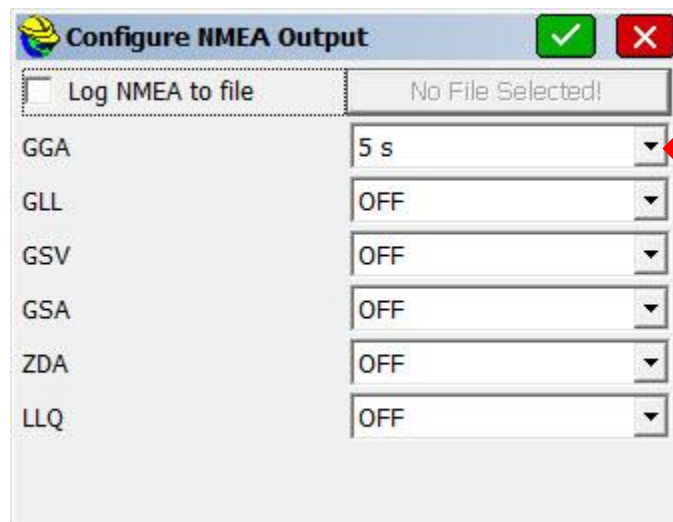
- Set Data Collector NMEA Out to Internal



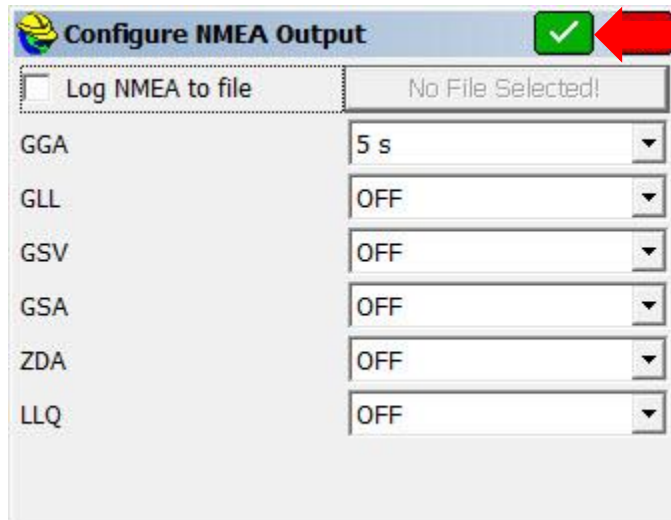
- Select Configure button



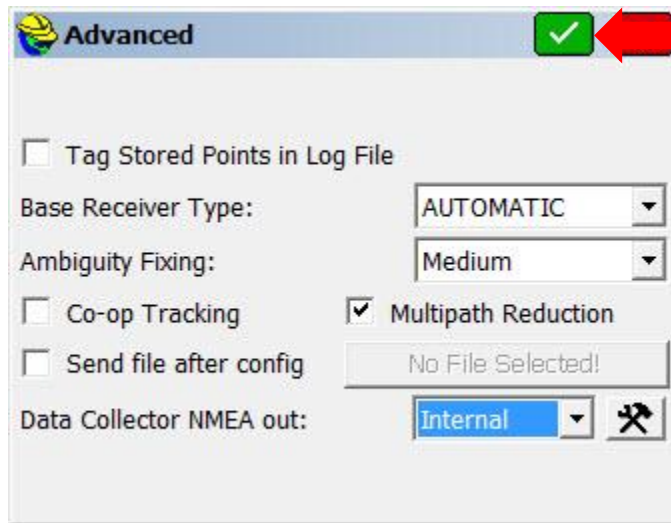
- Set GGA to 5 s



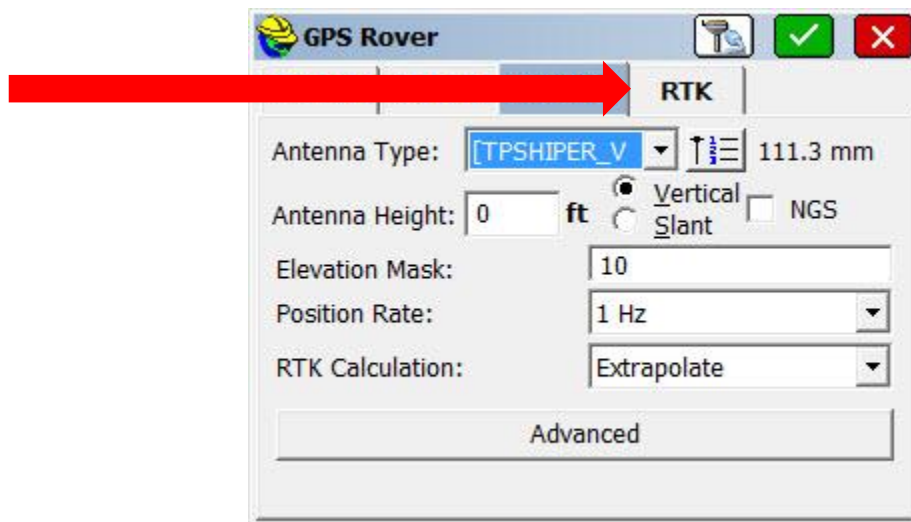
- Select Green Check



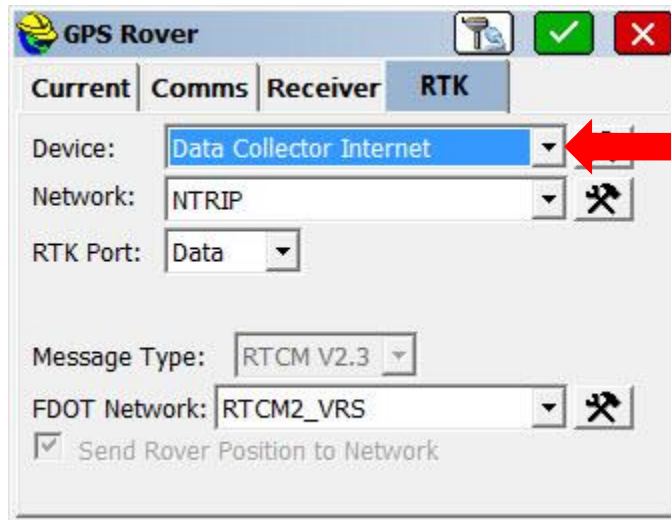
- Select Green Check



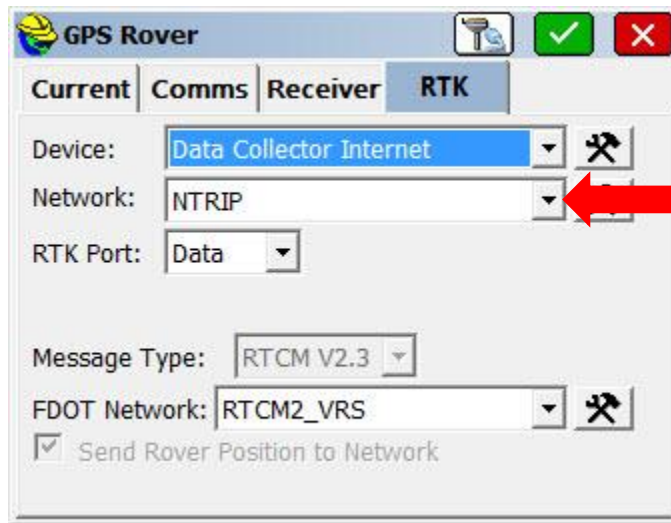
- Select RTK Tab



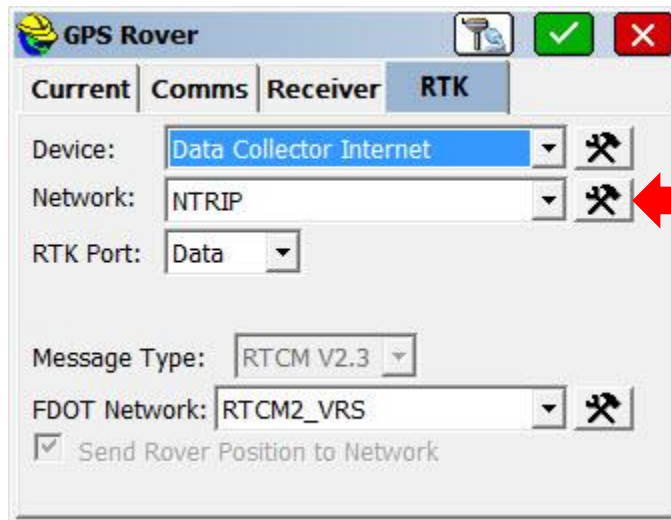
- Set Device to Data Collector Internal



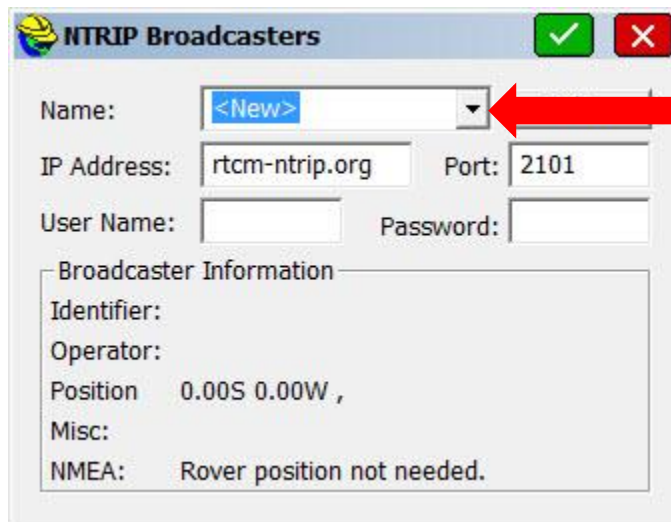
- Set Network to NTRIP



- Select Configure button

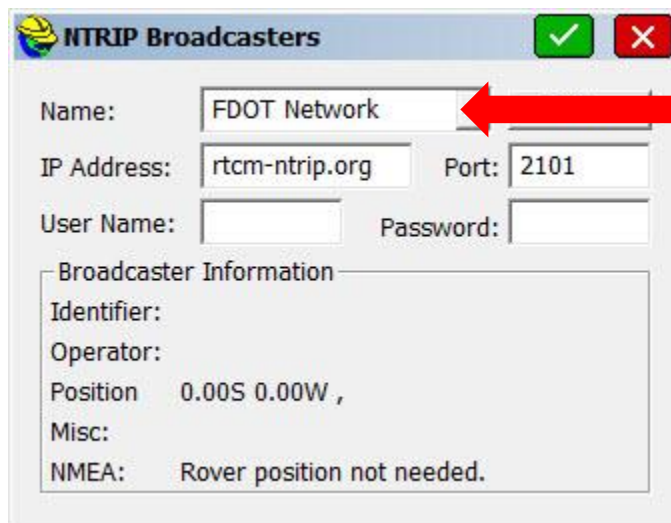


- Set Name to New



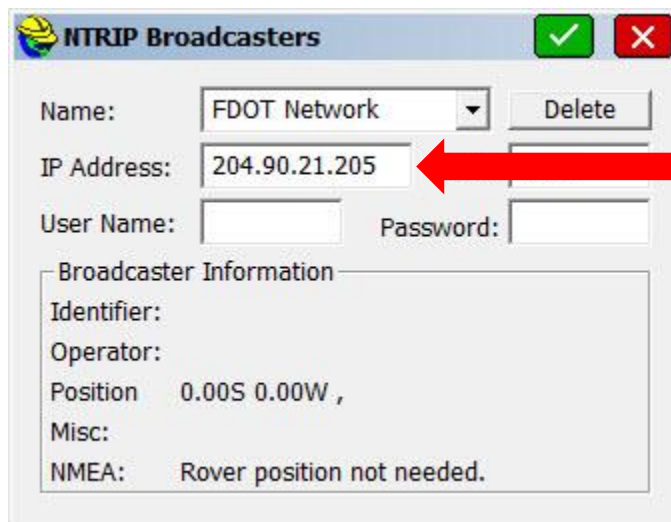
The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is a dropdown menu currently set to '<New>'. A red arrow points to this dropdown. Other fields include 'IP Address' (rtcm-ntrip.org), 'Port' (2101), 'User Name', and 'Password'. Below these is a section for 'Broadcaster Information' with fields for Identifier, Operator, Position (0.00S 0.00W), Misc, and NMEA (Rover position not needed).

- Create FDOT Network *



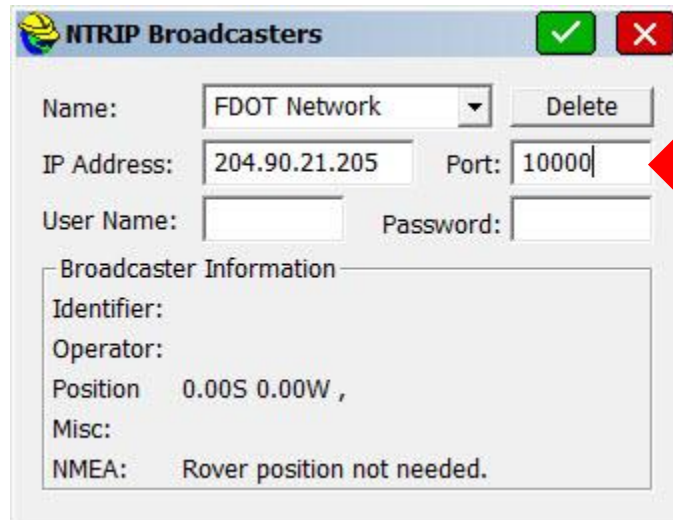
The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is now 'FDOT Network'. A red arrow points to this field. Other fields remain the same: 'IP Address' (rtcm-ntrip.org), 'Port' (2101), 'User Name', and 'Password'. The 'Broadcaster Information' section is also visible.

- Set IP Address to 204.90.21.205



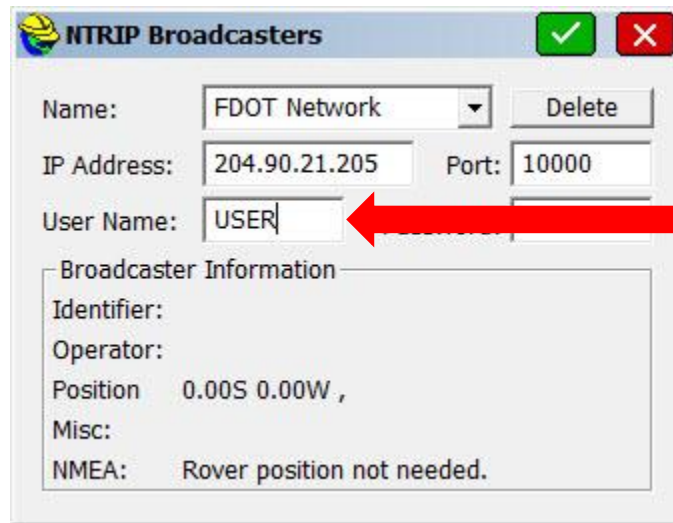
The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is 'FDOT Network' and the 'IP Address' field is '204.90.21.205'. A red arrow points to the IP Address field. A 'Delete' button is now visible next to the Name dropdown. Other fields are the same as in the previous screenshots.

- Set Port to 10000 **



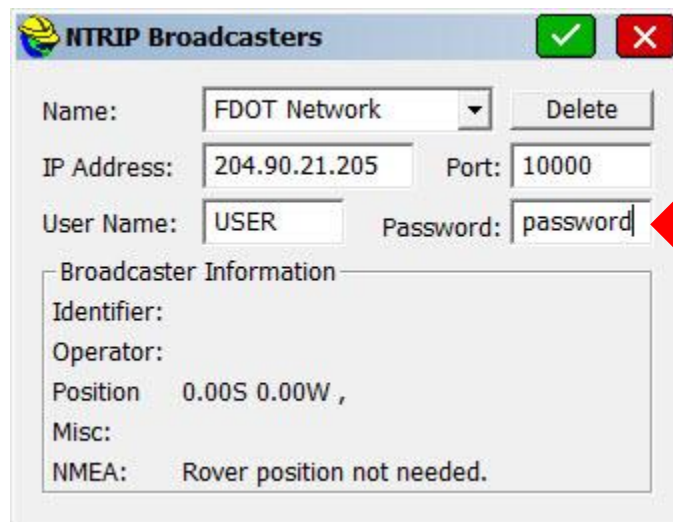
The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is set to 'FDOT Network'. The 'IP Address' is '204.90.21.205' and the 'Port' is '10000'. A red arrow points to the 'Port' field. The 'User Name' and 'Password' fields are empty. Below these fields is a section titled 'Broadcaster Information' with fields for 'Identifier', 'Operator', 'Position' (0.00S 0.00W), 'Misc', and 'NMEA' (Rover position not needed).

- Set User Name



The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is 'FDOT Network', 'IP Address' is '204.90.21.205', and 'Port' is '10000'. The 'User Name' field is now filled with 'USER'. A red arrow points to the 'User Name' field. The 'Broadcaster Information' section remains the same as in the previous screenshot.

- Set Password



The screenshot shows the 'NTRIP Broadcasters' dialog box. The 'Name' field is 'FDOT Network', 'IP Address' is '204.90.21.205', and 'Port' is '10000'. The 'User Name' is 'USER' and the 'Password' is 'password'. A red arrow points to the 'Password' field. The 'Broadcaster Information' section remains the same.

- Select Green Check

NTRIP Broadcasters

Name:

IP Address: Port:

User Name: Password:

Broadcaster Information

Identifier:

Operator:

Position 0.00S 0.00W ,

Misc:

NMEA: Rover position not needed.

- Select FPRN Product

Bases for FDOT Network

RTCM3_IMAX *****

RTCM2_IMAX

RTCM2_FKP

CMRP_IMAX

RTCM3_NEAR

R3_VRS_D7

R3_MAX_D7

Position:

Misc:

Send Rover Position to Network

GNSS Spide

- Select Green Check

Bases for FDOT Network

User Name: Password:

Identifier:

Short Id:

Type:

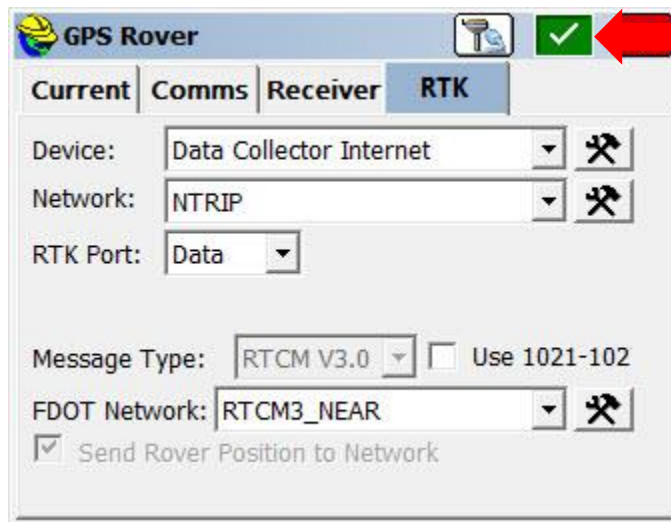
Format:

Position:

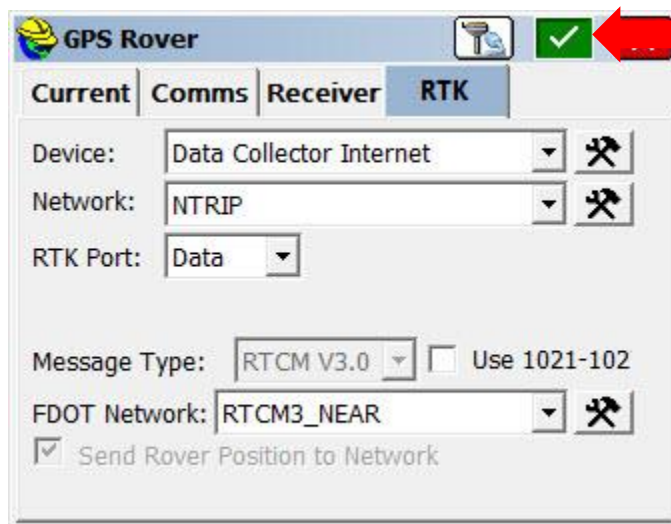
Misc:

Send Rover Position to Network

- Select Green Check



- Select Green Check



Suggestions:

* Create an NTRIP product for the FDOT Network and each FDOT District you will be working.

** The port number could be different for each FPRN Product.

Click [here](#) for specifications

