CONFIGURE NETWORK ROVER (SurvCE)

*For less changes, use the Rover receiver used for the base/rover setup

- Turn on the receiver and press F1 – should say External and Rover

To change the communication mode, press the F2 key two times: after she says Communications Mode, toggle through the options with F2 - Press the power button to lock in the setting
To change the Setup Mode, press the F1 key two times: after she says Mode, toggle through the options with F1 - Press the power button to lock in the setting

- Turn on the Mifi device
- Turn on the Scepter and in the windows screen, you should see the Wifi status as connecting and the name of your device
- Start SurvCE
- Continue with last job (or start new job)
- Click on Connect to last Bluetooth device
- Go to Equipment, GPS rover
- Current tab - Champion Instruments and Champion TKO
- Comms - Bluetooth – Windows Mobile – Rover receiver #
- Select the correct receiver # to Bluetooth and hit Bluetooth connect button above the receiver tab (should say successful connection)
- Receiver tab - TKO V30 GNSS 101.0 mm, vertical, ENTER antenna height - default is 6.562 ft (2m), elevation mask 10 and position rate 1 Hz
- RTK tab Device - Data Collector Internet, network NTRIP, port - Data, message type - CMR+ Click on the Configure button beside NTRIP
- NTRIP Broadcasters screen - enter the IP address, port, username, password
- Click on the Check Mark and X out to the Main Menu
- Go to monitor sky plot to get a FIXED position

CONFIGURE STATIC SURVEY

- Power on receiver – Press F1 for current settings – should say Static – Interval 5 – Satellite Mask 12 - # of Satellites

To change the Setup Mode, press the F1 key two times: after she says Mode, toggle through the options with F1 - Press the power button to lock in the setting
To change the Interval, press F2 until the "ding" sounds – Press F2 to toggle through the intervals – Press the power button to lock in the setting
To change the Satellite Mask, press F1 until the "ding" sounds – Press F1 to toggle through the choices – Press the power button to lock in the setting

- Measure the height of instrument
- To start static survey – Press F2 two times
- To end static survey – Press F2 two times
- Consult Champion's How-To-Guide for Downloading/Converting to Rinex and submitting to OPUS

*Wait at least 1 hour after collecting static data before submitting to OPUS