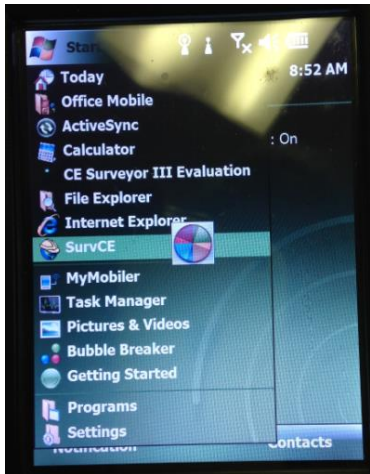
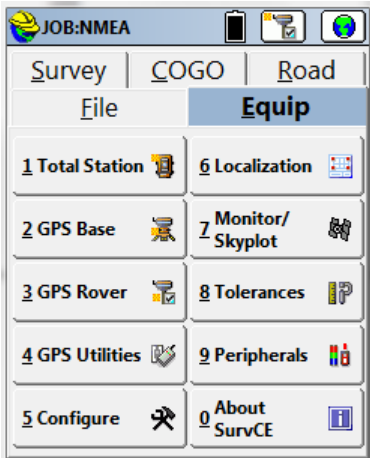
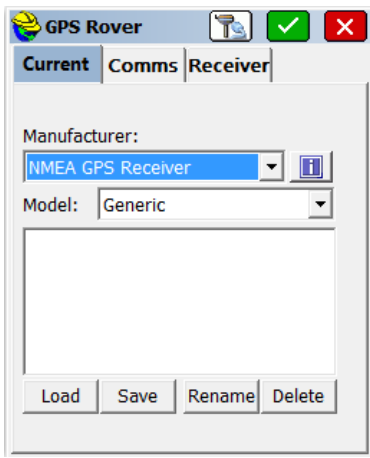
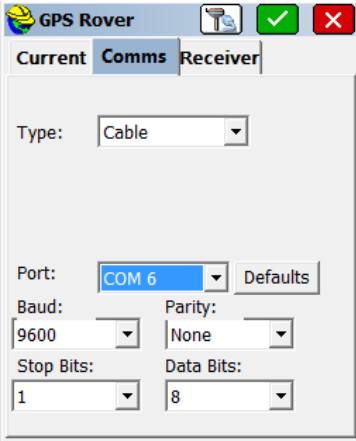
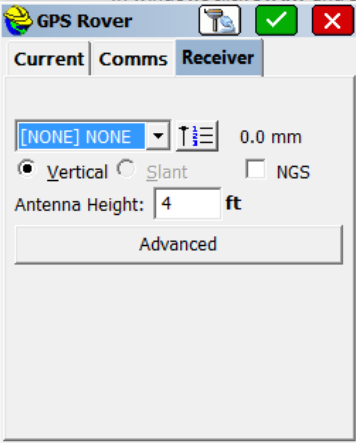
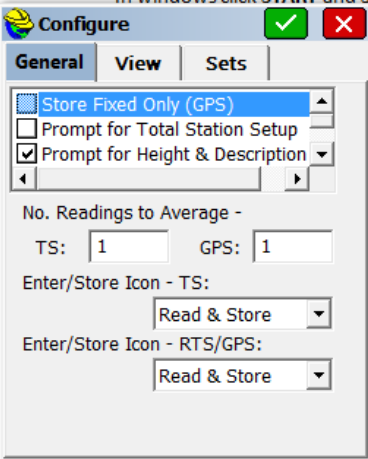


Scepter II

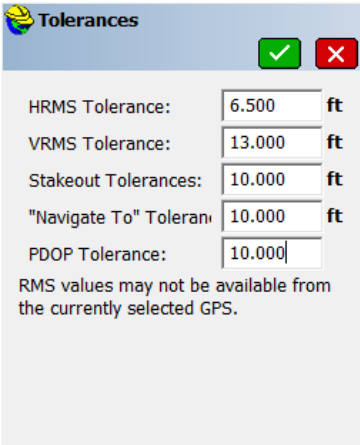
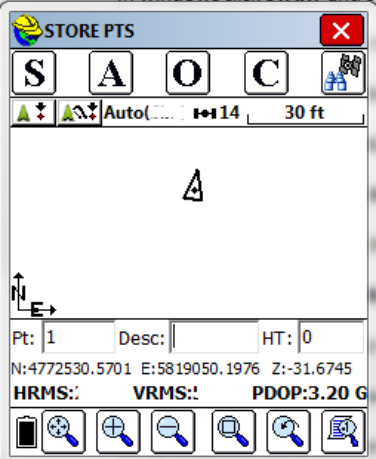
Configuring Internal GNSS

Step	Action	Display
1	<p>This tutorial explains how to set the Scepter/Scepter II up to use the internal GNSS Receiver. Please refer to the specification sheet for the expected accuracies.</p> <ol style="list-style-type: none"> 1. Turn the Scepter II on 2. Click the Start Icon and Double tap "SurvCE" 	
2	<ol style="list-style-type: none"> 1. In SurvCE select the Job you wish to use 2. Under "Job Settings" make sure you choose the proper "Projection" in the "System" tab 3. Go to the "Equipment Tab 4. Select #3 "GPS Rover" 	
3	<ol style="list-style-type: none"> 1. In the "Current" Tab Select "Manufacturer: NMEA GPS Receiver" 2. For "Model: Generic" 	

Scepter II Configuring Internal GNSS

Step	Action	Display
4	<ol style="list-style-type: none"> Select the “Comms” Tab For “Type: Cable” For “Port: Com 6” For “Baud: 9600” For “Parity: None” For “Stop Bits: 1” For “Data Bits: 8” 	 <p>The screenshot shows the 'Comms' tab in the GPS Rover software. The 'Type' is set to 'Cable'. The 'Port' is set to 'COM 6'. The 'Baud' rate is '9600', 'Parity' is 'None', 'Stop Bits' is '1', and 'Data Bits' is '8'. There are 'Defaults' buttons for both the Port and Baud settings.</p>
5	<ol style="list-style-type: none"> Select the “Receiver” Tab Enter a rough “Antenna Height” of where you will be holding the Scepter II in your hand Click the “Green Check” mark 	 <p>The screenshot shows the 'Receiver' tab in the GPS Rover software. The 'Antenna Height' is set to '4 ft'. Other settings include '[NONE] NONE' for a dropdown, '0.0 mm' for a unit, radio buttons for 'Vertical' and 'Slant', and a checkbox for 'NGS'. An 'Advanced' button is visible at the bottom.</p>
6	<ol style="list-style-type: none"> Select #5 “Configure” In the “General” tab Uncheck “Store Fixed Only (GPS)” Set the GPS average to however many point you would like to average Select “Green Check” mark 	 <p>The screenshot shows the 'Configure' dialog box, 'General' tab. The 'Store Fixed Only (GPS)' checkbox is unchecked. The 'Prompt for Height & Description' checkbox is checked. Below, there are input fields for 'No. Readings to Average - TS: 1' and 'GPS: 1'. There are also dropdown menus for 'Enter/Store Icon - TS:' and 'Enter/Store Icon - RTS/GPS:', both set to 'Read & Store'.</p>

Scepter II Configuring Internal GNSS

Step	Action	Display
7	<ol style="list-style-type: none"> 1. Select #8 "Tolerances" 2. Set the HRMS and VRMS Tolerances to reflect the 1-3 meter accuracy of the internal receiver 3. Note: Depending upon the version of SurvCE you have you may not see all the options pictured 4. Select the "Green Check" mark 	
8	<ol style="list-style-type: none"> 1. From here you are ready to begin work. 2. Note: In most versions of SurvCE the RMS values are not displayed. 3. It is recommended that you Average as many shots as feasible 100-200 points depending upon the time you have available. 4. You will see Either "Autonomous or DGPS for your Position Type. DGPS is a better position Quality and is what is recommended. 	
<p>Should you have any question or need further support, Please contact your authorized Champion dealer, check our website at www.championinstruments.com, or call us at 770-243-3254.</p>		