
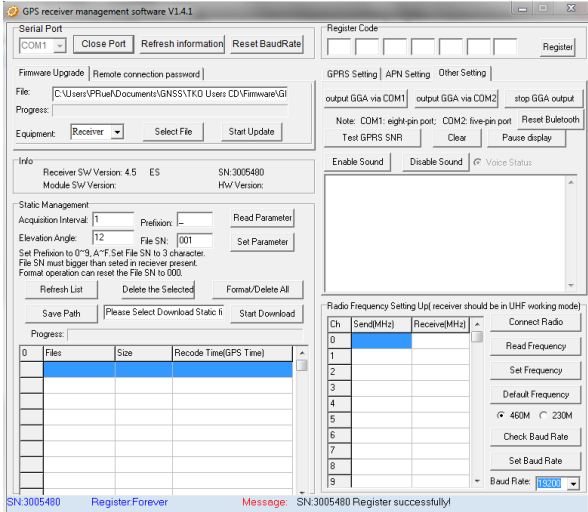
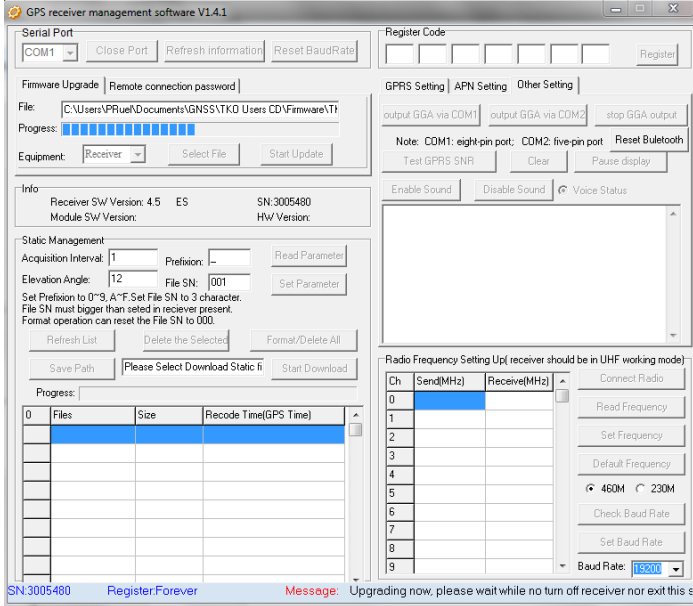
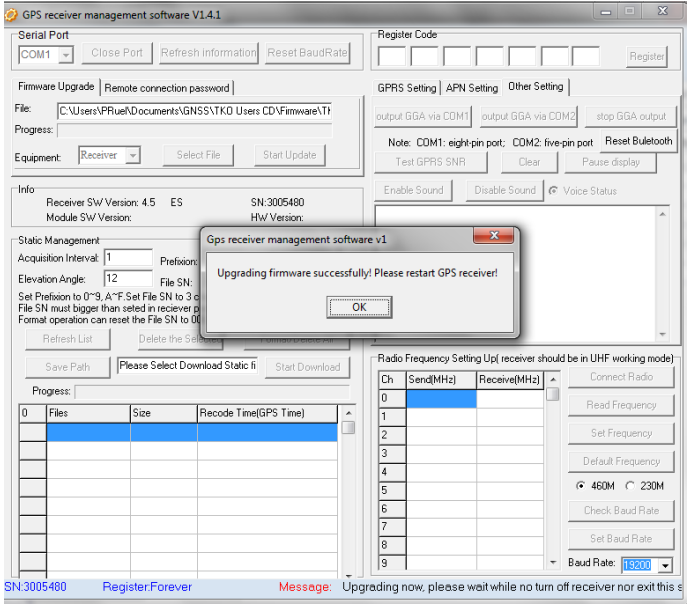


# TKO Upgrading Firmware

Step	Action	Display
1	<p>In order to upgrade the firmware in the TKO receiver you must have the TKO Receiver Management Software.</p> <p><b>It can be downloaded here:</b> <a href="http://championinstruments.com/champeblast/TKO Users CD/Receiver Management Software/GPS receiver management software V1.4.1.exe">http://championinstruments.com/champeblast/TKO Users CD/Receiver Management Software/GPS receiver management software V1.4.1.exe</a></p> <p><b>You can also download the Instrument firmware here:</b>  <a href="http://championinstruments.com/champeblast/TKO Users CD/Firmware/V30 RTKs V49 Static.098.htb">http://championinstruments.com/champeblast/TKO Users CD/Firmware/V30 RTKs V49 Static.098.htb</a></p>	
2	<ul style="list-style-type: none"> <li>Connect your TKO receiver to the computer using the serial port on the “Y” cable that came with the system</li> <li><b>IMPORTANT: You cannot use the USB cable at this time.</b></li> <li>Make sure you have a Full Battery</li> <li>Power the receiver on</li> </ul>	
3	<ul style="list-style-type: none"> <li>Run the GPS Receiver Management Software by double clicking the install link</li> <li>Press the “OPEN PORT” button</li> <li>You will see a message at the bottom of the screen showing your serial number and “REGISTER SUCCESSFULLY”</li> <li>If not contact you Champion Representative</li> </ul>	

# TKO Upgrading Firmware

Step	Action	Display
4	<ul style="list-style-type: none"> <li>• Make sure the “EQUIPMENT TYPE” is set to “RECEIVER”</li> <li>• Press “SELECT FILE”</li> <li>• Navigate to and Select the Receiver Firmware you saved</li> <li>• <b>TURN OFF THE RECEIEVR</b> as it says in the Message at the bottom of the screen</li> <li>• Press “START UPDATE”</li> <li>• <b>TURN ON THE RECEIVER</b> as it says in the Message at the bottom of the screen</li> <li>• On the TKO the lights will blink in a chasing pattern and a BLUE BAR will show the progress</li> </ul>	 <p>The screenshot shows the 'GPS receiver management software V1.4.1' interface. The 'Firmware Upgrade' section has a progress bar that is approximately 75% full. The status message at the bottom reads: 'Upgrading now, please wait while no turn off receiver nor exit this s...'. The 'Info' section shows 'Receiver SW Version: 4.5 ES' and 'SN:3005480'. The 'Static Management' section has 'Acquisition Interval: 1' and 'Elevation Angle: 12'. The 'Radio Frequency Setting' table is visible on the right.</p>
5	<ul style="list-style-type: none"> <li>• When the Lights stops blinking you will receive a message that the firmware has been upgraded</li> <li>• Press OK</li> <li>• Then turn Off the receiver by holding down the OFF Button</li> <li>• Power The receiver Back On</li> <li>• Hold down the F1 button for two “ding dongs” to reset the unit You will hear: “Test OEM OEM OK Reset OEM”</li> <li>• The Firmware has been upgraded</li> </ul>	 <p>The screenshot shows the same software interface as in step 4, but with a dialog box overlaid that says 'Upgrading firmware successfully! Please restart GPS receiver!' with an 'OK' button. The status message at the bottom now reads: 'Upgrading now, please wait while no turn off receiver nor exit this s...'. The progress bar is no longer visible.</p>