## TKO Upgrading Firmware

Step	Action	Display
	In order to upgrade the firmware in the TKO receiver you must have the TKO Receiver Management Software.	
1	It can be downloaded here: <a href="http://championinstruments.com/champeblast/TKO Users">http://championinstruments.com/champeblast/TKO Users</a> CD/Receiver Management Software/GPS receiver management software V1.4.1.exe You can also download the Instrument firmware here: <a href="http://championinstruments.com/champeblast/TKO Users">http://championinstruments.com/champeblast/TKO Users</a> CD/Firmware/V30 RTKs V49 Static.098.htb	
2	<ul> <li>Connect your TKO receiver to the computer using the serial port on the "Y" cable that came with the system</li> <li>IMPORTANT: You cannot use the USB cable at this time.</li> <li>Make sure you have a Full Battery</li> <li>Power the receiver on</li> </ul>	
3	<ul> <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 SUCCESFULLY"</li> <li>If not contact you Champion Representative</li> </ul>	Of Precision management software V1.41       Register Code         Serial Port       Close Port       Resist BaudRate         Filmmon Upgrade       Renote connection paraword       Register Code         Filmmon Upgrade       Renote connection paraword       GFRS Setting J API Setting Other Soting         Filmmon Upgrade       Renote connection paraword       GFRS Setting J API Setting Other Soting         Filmmon Upgrade       Renote connection paraword       GFRS Setting J API Setting Other Soting         Register Code       Set Update       GFRS Setting J API Setting Other Soting         Mode SVV Version: 4.5       ES       Set Update         Mode SVV Version: 4.5       ES       Set Variant         Save Path       Person:       Reside Parameter         File Strand Lating       Person:       Set Parameter         Save Path       Person:       Set Parameter         File Strand Lating       Dedet the SetLoced       Fermat/Delet AI         Note:       Site:       Recorde Time(SPS Time)       Red Frequency         Set Register Forever       Message:       SN:3005480 Register successfullyI         Reside Register Forever       Message:       SN:3005480 Register successfullyI

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4	<ul> <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>TURN OFF THE RECEIEVR as it says in the Message at the bottom of the screen</li> <li>Press "START UPDATE"</li> <li>TURN ON THE RECEIVER 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>	OPS receiver management software V1.4.1       Image: Second State information         Secial Port       Close Port       Refresh information       Reset BaudRate         File       Close Port       Refresh information       Reset BaudRate         File       Cluser VPRue/Documents/GNSS/TKO User: CDVFirmwerk11       OPRS Setting       APN Setting       Other Setting         Progess       Select File       State Update       Open: Cluster CDVE inversion       Reset BaudRate         Infor       Receiver SW Version:       4       Cluster SNIP       Clese       Poace display         Infor       Receiver SW Version:       File Sound       Disable Sound       © Voice Status         Infor       Receiver SW Version:       Red Parameter       Enable Sound       Disable Sound       © Voice Status         Save Path       Please Select Download State in       Save Path       File Sound       Clesever should be in UHF working mode)         Refersh List       Delete the Select       Format Open File Sound       Clesever should be in UHF working mode)         Read       Presence       File Sound       Set Requercy       Set Requercy         Save Path       Please Select Download State in       State Download State in       State Download State in       Set Requercy         Set Read Recearce       <
5	<ul> <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>	Øf5 receiver management software V1.4.1       Pegide Code       Regide         Setial Poit       Cose Poit       Refresh Information       Reside BaudRath       Regide         File:       CUber/FNueNDocument/GNSS/TKD Liess CD/Emware/T       Oxford GBA via CDM1       unput GBA via CDM2       unput GBA via CDM