

Manual Network Selection - T-Mobile Roaming SIM

Background

If necessary, it is possible to change the mobile network selection from Automatic to Manual using Windows Mobile (in a device with an internal modem) or Trimble Access/Survey Controller (in a device with a Receiver modem).

Sometimes this is necessary if the SIM is attempting to connect to mobile network that is presenting some form of problem.

Should you wish to manually switch network provider during a survey you must first end the VRS survey and hang up any open internet connection, but leave the kit switched on.

Method 1 – SIM card installed in TSC3 Controller

Equipment Set Up

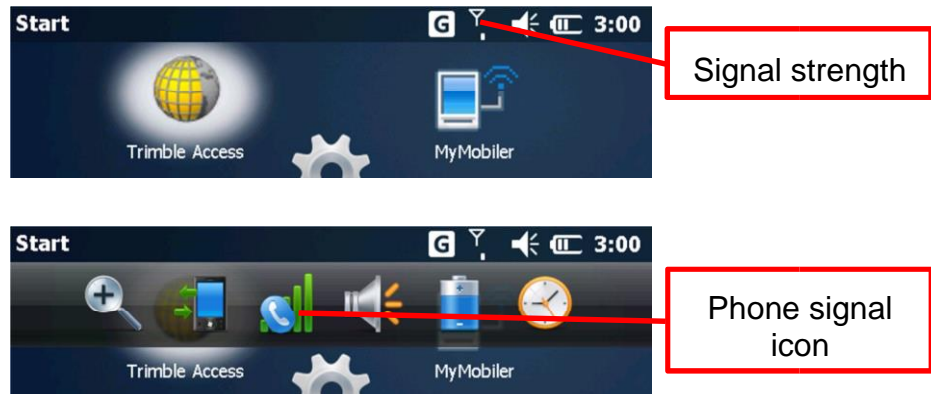
- The TSC3 has a VRS contract T-Mobile roaming SIM inserted in the internal modem behind the battery.
- R series GNSS receiver connected to TSC3 via Bluetooth

Procedure

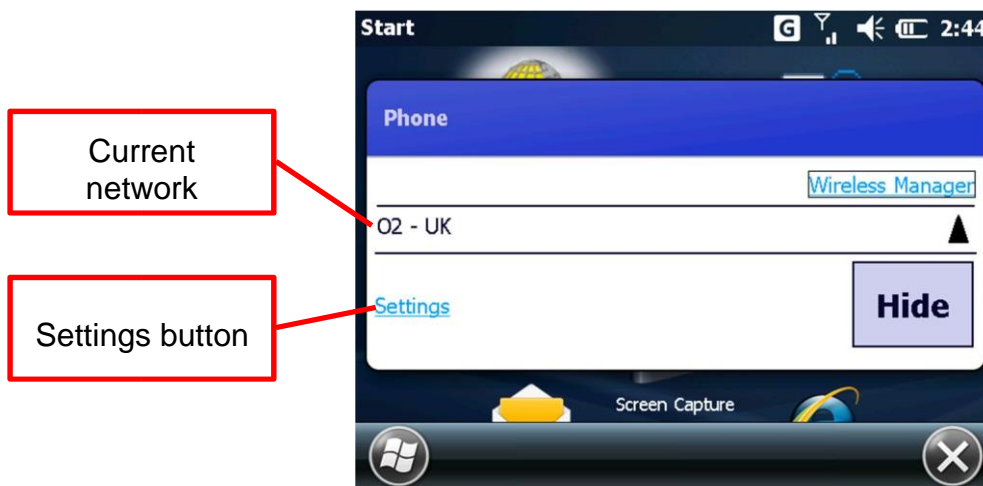
1. End your VRS survey and hang up any open internet connection but leave the kit switched on.
2. Dismiss any error messages from any previous connection attempts.
3. Press the Windows button on the top left of the TSC3 keypad.



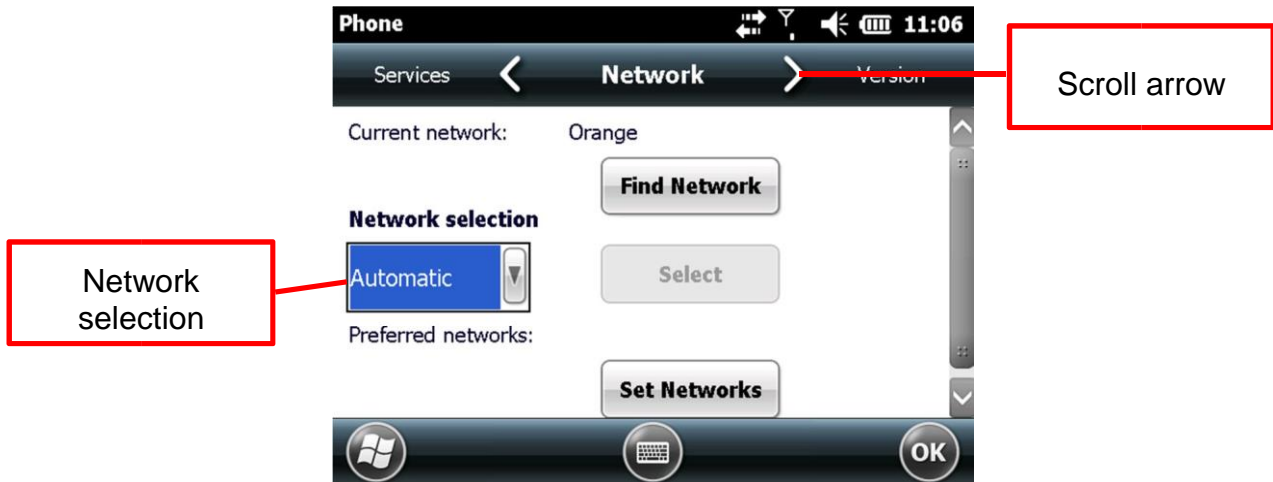
4. Tap on the signal strength icon at the top of the screen followed by the phone signal icon.



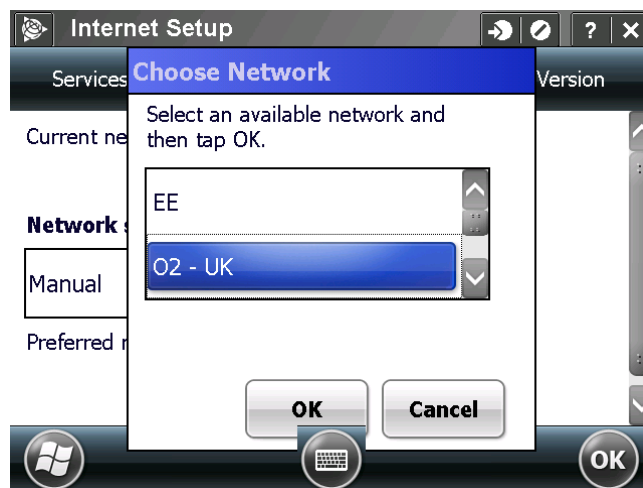
5. The phone status window will now open. This will display either the current network being used or that the phone is off. Tap Settings in the bottom left of the window. If the phone is off you will be asked if you would like to turn the phone on. Tap yes to turn the phone on. You will then have to open the phone status window again as in step 4 and tap Settings.



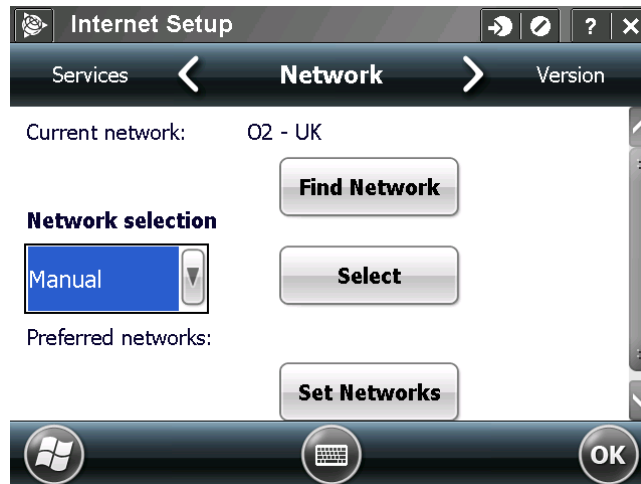
6. Next use the scroll arrows at the top of the screen to navigate to the Network tab. Under Network selection change the drop down to Manual. The phone will now search for all available networks.



7. Once the search is complete you will be prompted to choose which network to connect to. Select either **Vodafone**, **O2** or **3** and tap OK to register on to the chosen network.



8. Make sure that the chosen network is displayed at the top of the screen and close the window by tapping OK in the bottom right of the screen.



9. Return to Trimble Access and start a VRS survey.

Method 2 – SIM card Installed in R Series GNSS Receiver

Equipment set up

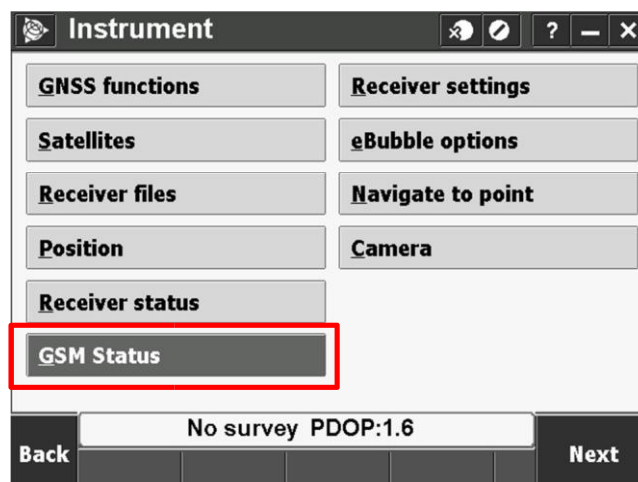
- The R Series GNSS receiver has a built in modem (R10) or GSM module installed (R8 or R6) with a VRS contract T-Mobile roaming SIM inserted.
- R series GNSS receiver connected to a Controller running Trimble Access or Survey Controller field software via Bluetooth

Procedure

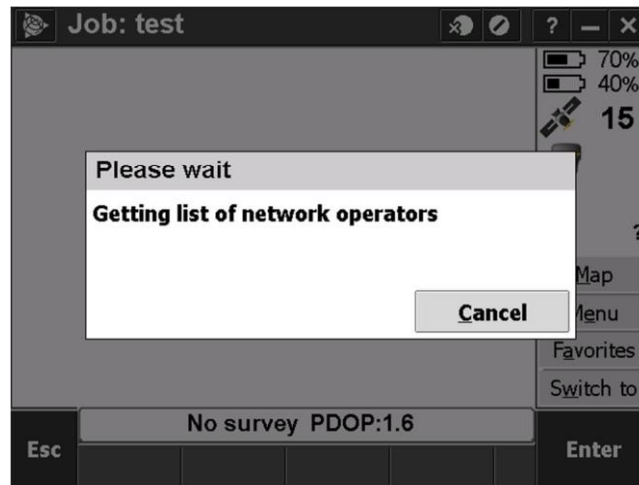
1. End any open VRS surveys and hang up any open internet connection but leave the kit switched on.
2. In General Survey or Survey Controller tap the Instrument button.



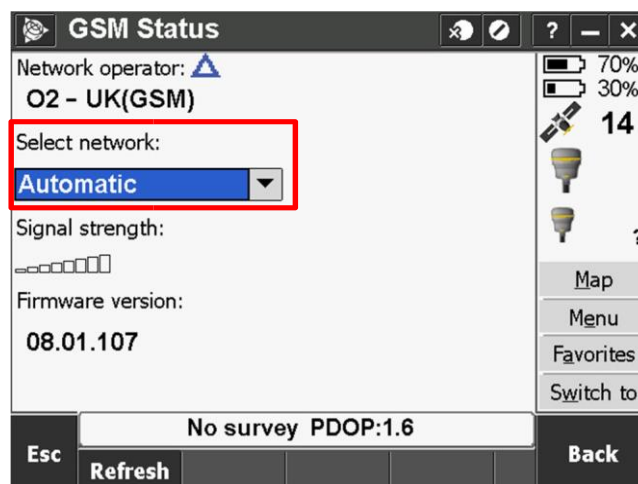
3. Now tap the GSM Status button.



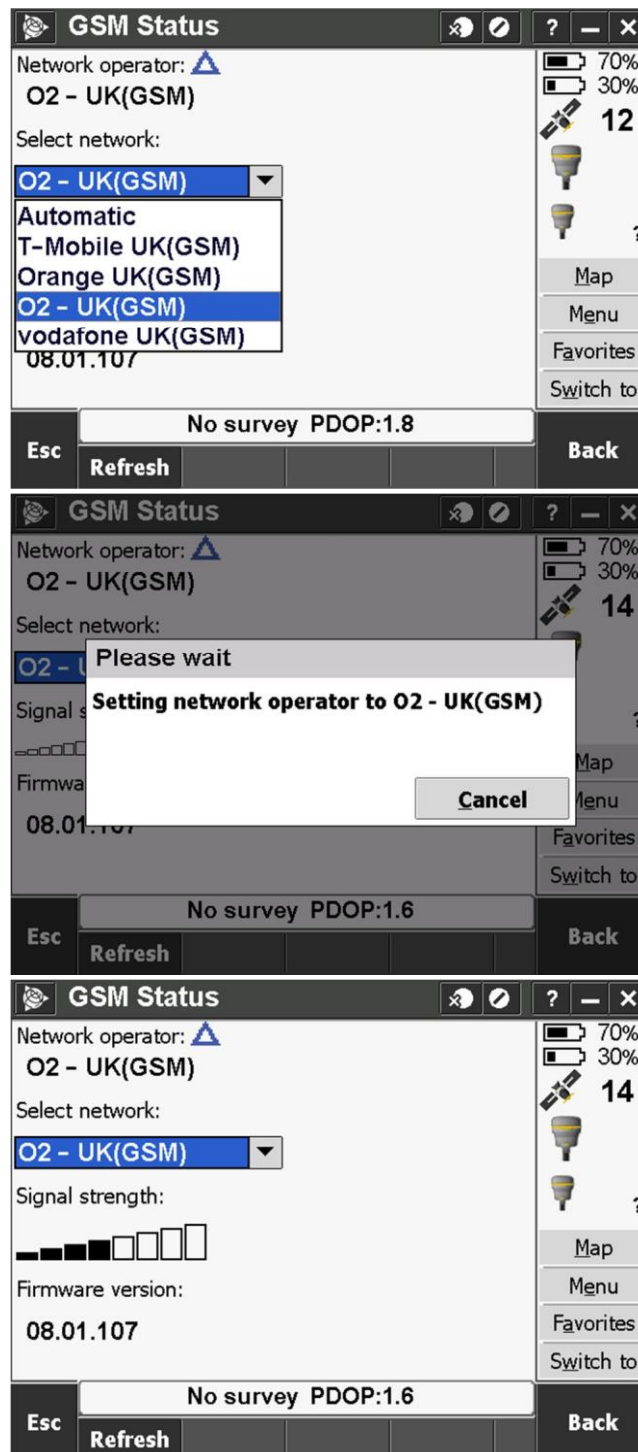
- The SIM card will now scan the spectrum to find which network providers are available.



- Once the scan has been completed the GSM Status screen will open as below. The current network operator is shown, and an indication of signal strength is given. The network selection is set to Automatic.



- To force the SIM to register on to a specific network tap the Select network drop down and pick a provider from the list. The SIM will now register on to the new network and a new signal strength indication will be shown. Select either **Vodafone**, **O2** or **3** from the list.



- Once the network has been selected tap the back button and return to General Survey and re-commence VRS survey. The selection will remain in place even after the receiver is switched off. If you wish to return to automatic network selection repeat this process and select Automatic from the drop down options.

8. Should you need to change provider again during a survey you will need to close any open internet connection as the GSM Status option will greyed out if a connection is open.

