

- when it has to be right



RTK Rover Wizard Profile

Creating a Profile for CS15 with GSM Modem
in the Data Collector

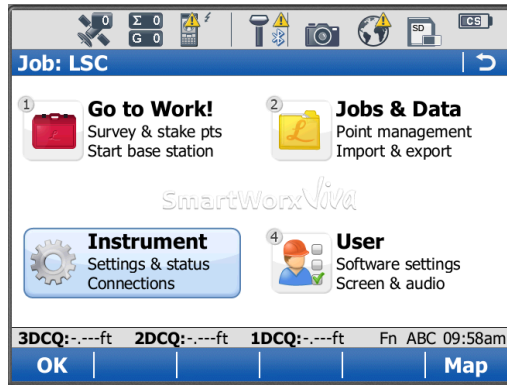
RTK Network Rover Profile

Summary – Create a Network Rover Wizard Profile for a CS15 Collector and 3.5G Modem with the GSM card in the Data Collector

Step 1- Start Smartworx

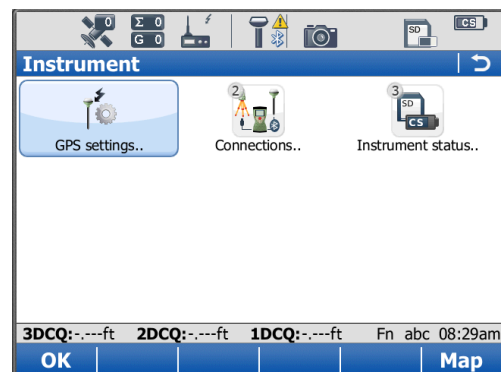
From the main menu

Select Instrument



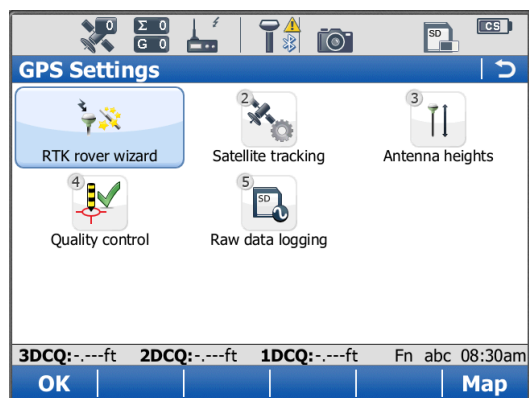
Step 2-

Select GPS Settings



Step 3-

Select RTK Rover Wizard

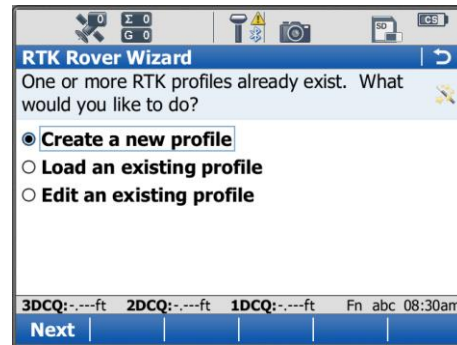


Step 4-

Create New Profile

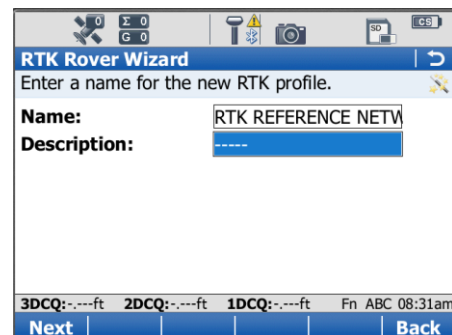
NOTE: Select the F1 button (NEXT)

After each Screen has been Completed



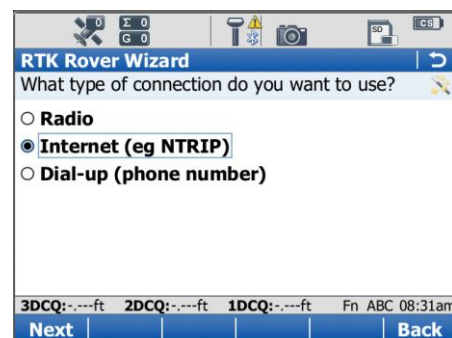
Step 5-

Enter a Name for the Reference Network Profile



Step 6-

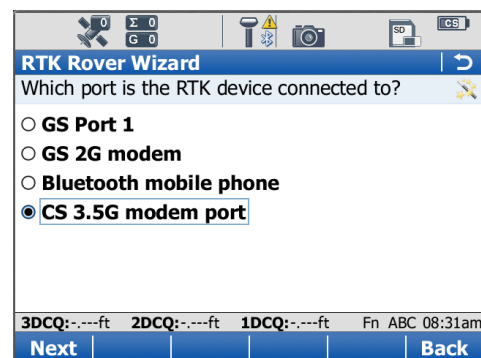
Select Internet Connection



Step 7-

With the GSM Card in the top of the CS15 Data Collector

Select the CS3.5G Modem Port



Step 8-

Select CS 3.5G Modem for the Device Being Used

The screenshot shows the 'RTK Rover Wizard' interface. The title bar says 'RTK Rover Wizard'. Below the title bar, it asks 'Which RTK device is being used?'. There is a dropdown menu for 'Name of device:' with 'CS 3.5G modem' selected. Below that, there is a checkbox labeled 'Use UMTS network if available' which is checked. At the bottom, there are status bars for '3DCQ:--ft', '2DCQ:--ft', '1DCQ:--ft', and 'Fn ABC 08:32am'. At the very bottom, there are buttons for 'Next' and 'Back'.

Step 9-

There is Nothing to Enter for the PIN and PUK Codes

Leave them Blank

The screenshot shows the 'RTK Rover Wizard' interface. The title bar says 'RTK Rover Wizard'. Below the title bar, it asks 'Enter PIN & PUK codes of SIM card.'. There are two input fields: 'PIN code:' and 'PUK code:'. Both fields are empty. At the bottom, there are status bars for '3DCQ:--ft', '2DCQ:--ft', '1DCQ:--ft', and 'Fn ABC 08:32am'. At the very bottom, there are buttons for 'Next' and 'Back'.

Step 10-

Select GPRS/CDMA for the Internet Connection

The screenshot shows the 'RTK Rover Wizard' interface. The title bar says 'RTK Rover Wizard'. Below the title bar, it asks 'How is the device connecting to the internet?'. There are two radio button options: 'Using dial-up Internet connection' (which is unselected) and 'Using GPRS/CDMA Internet connection' (which is selected). At the bottom, there are status bars for '3DCQ:--ft', '2DCQ:--ft', '1DCQ:--ft', and 'Fn ABC 08:32am'. At the very bottom, there are buttons for 'Next' and 'Back'.

Step 11-

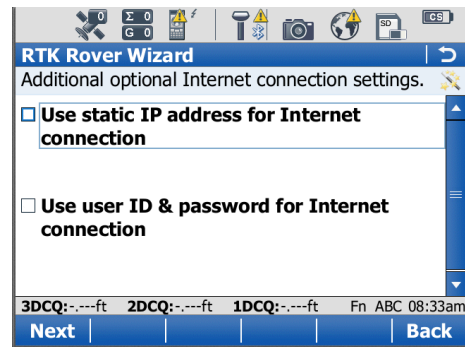
Using the AT&T GSM Card, Enter Broadband for the APN

Other internet Providers will Provide You with their APN

The screenshot shows the 'RTK Rover Wizard' interface. The title bar says 'RTK Rover Wizard'. Below the title bar, it asks 'Enter the APN for your Internet connection.'. There is a text input field for 'APN:' with 'BROADBAND' entered. Below that, there is a note: 'This information can be obtained from your Internet provider.'. At the bottom, there are status bars for '3DCQ:--ft', '2DCQ:--ft', '1DCQ:--ft', and 'Fn ABC 08:32am'. At the very bottom, there are buttons for 'Next' and 'Back'.

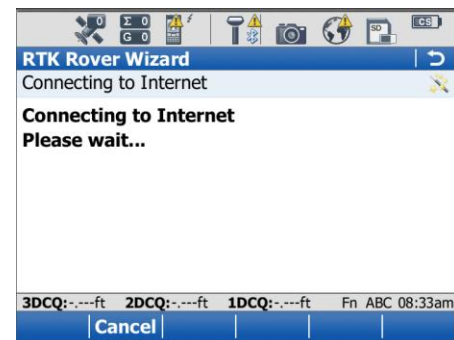
Step 12-

We will not be Using Additional
Internet Options
Nothing is Checked Here



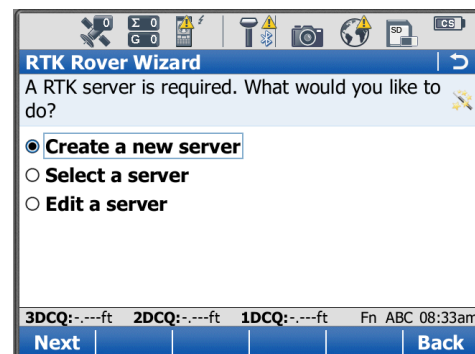
Step 13-

We will now Connect to the Internet



Step 14-

Select Create a New Server



Step 15-

Enter the New Server Details



Step 16-

Select the Mountpoint from the Source Table and Choose the Appropriate Mountpoint

RTK Rover Wizard

A mountpoint is required. What would you like to do?

☒ Select mountpoint from source table

☐ Enter mountpoint manually

3DCQ:---ft 2DCQ:---ft 1DCQ:---ft Fn ABC 08:35am

Next Back

Step 17-

Select the Appropriate Mountpoint

RTK Rover Wizard

Enter the mountpoint name.

Mountpoint: RTCM3_MAX

3DCQ:---ft 2DCQ:---ft 1DCQ:---ft Fn ABC 08:36am

Next Back

Step 18-

Enter the RTK Network Details

Note the Network Type will vary depending on your configuration and Reference Network you are connecting to

Check the Send GGA Message Box

RTK Rover Wizard

Enter the RTK network details.

☒ Receive RTK corrections from RTK network

Network type: MAX

☒ Send GGA message

☐ Send user ID

3DCQ:---ft 2DCQ:---ft 1DCQ:---ft Fn ABC 08:36am

Next Back

Step 19-

Enter the RTK Connections Details

The Data Format will vary depending on your Configuration

RTK Rover Wizard

Enter the RTK connection details.

RTK data format: RTCM v3

Sensor at base: Automatically detect

Antenna at base: Automatically detect

☐ RTK base has a unique ID

☐ Use auto coordinate system

☐ Receive RTK network information

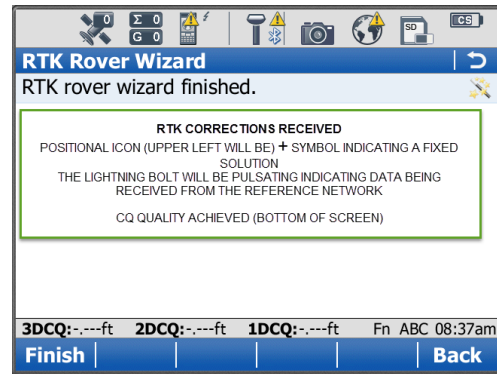
3DCQ:---ft 2DCQ:---ft 1DCQ:---ft Fn ABC 08:36am

Next Back

Step 20-

The Rover Wizard RTK Profile is Complete and you will now be connected to the reference Network

Select Finish



Step 21-

From the Main Menu

Select Go to Work and Start your Survey

