- when it has to be **right**

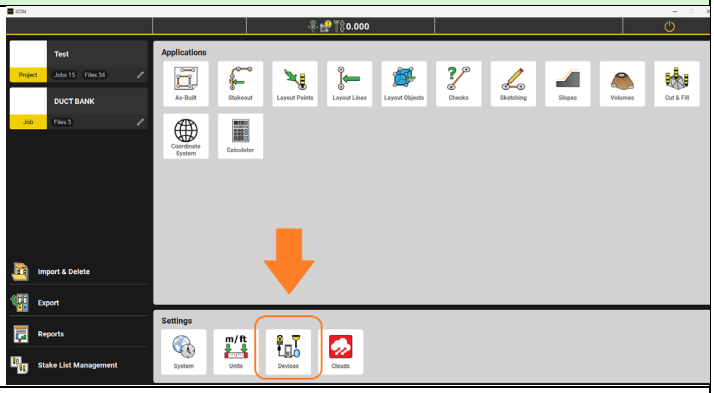
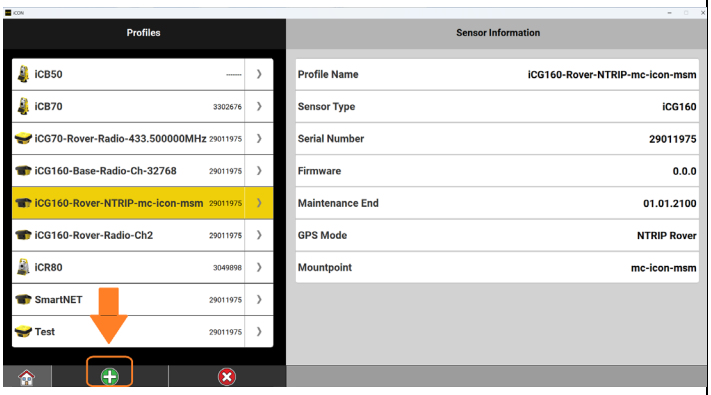
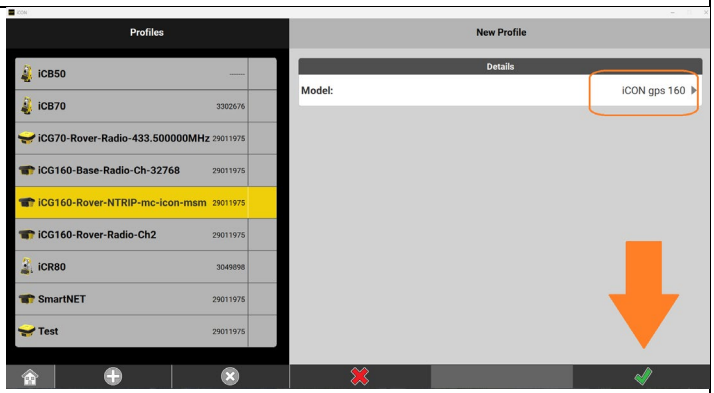
SmartNet Connection in Leica iCON Application

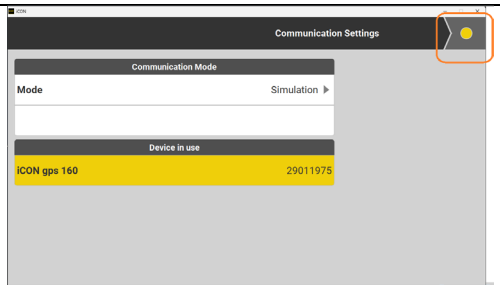
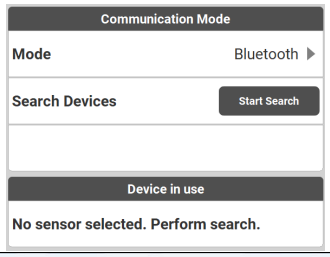
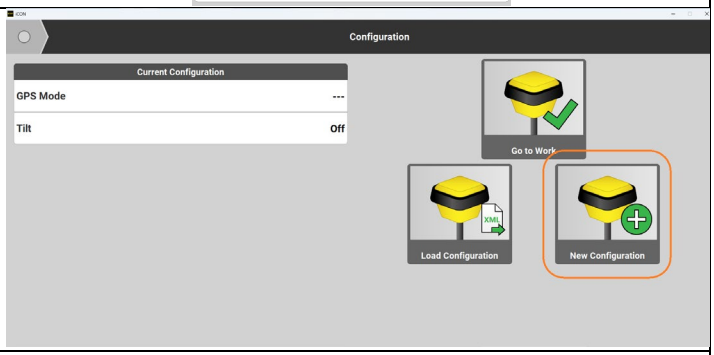
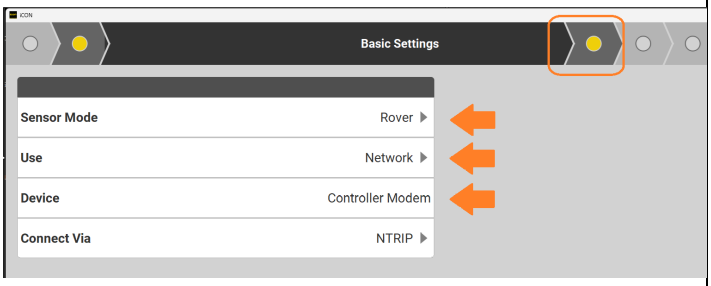
Support Toll Free: (855) 414-9453

The following are the procedures for setting up a Leica iCON Rover using GSM/UTMS/GPRS cell Network in your area. You will be set to connect to either NETWORK i-MAX solution or Nearest solution using HxGN SmartNET North America in your working area (BC or AB).

If you need assistance with HxGN SmartNET account registration/subscription, please contact your local Spatial Technologies office directly. (*Richmond, Calgary, Edmonton, Prince George*)

Below are the steps to create a new profile in iCON site

	Step	Action
1	Tap on **Devices**.	
2	Tap on the **green Plus** icon to create a new profile.	
3	Select the **iCON GNSS system model** you are using iCON gps 70 iCON gps 160 iCON gps 30 In our example we will be selecting **iCON gps 160** Tap **green** ✓ to save and create a new profile.	

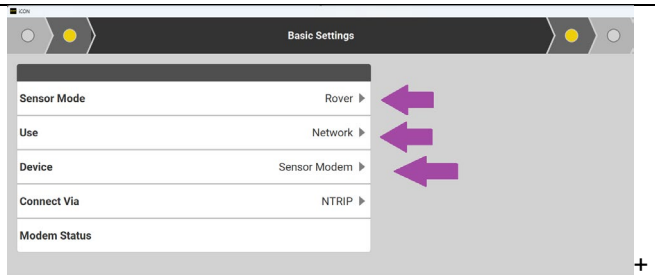
4	The GPS device's serial number is displayed on the screen. You may need to connect the Controller to the GPS if this is brand new setup. In the **Communication Mode** container, select **Bluetooth**, press the **Start Search** key. Select the relevant GPS from **Search Results** Tap the next Wizard step to proceed and start the Configuration Wizard	 
5	Tap on the **New Configuration** option and the configuration wizard will begin	
	• If SIM card in in Controller proceed to 6a. • If SIM card in GNSS system proceed to 6b.	
6a	**Basic Settings (SIM card in Controller)** Sensor Mode: **Rover** Use: **Network** Device: **Controller Modem*** Connect Via: **NTRIP** ** Selecting this means your internet is setup by a SIM inserted in your controller or a WIFI connection is established from your controller* Tap the next Wizard step to proceed	

6b

Basic Settings (SIM card in GPS system)

Sensor Mode:	**Rover**
Use:	**Network**
Device:	**Sensor Modem***
Connect Via:	**NTRIP**

** Selecting this means your internet is setup by a SIM inserted in your GPS system*

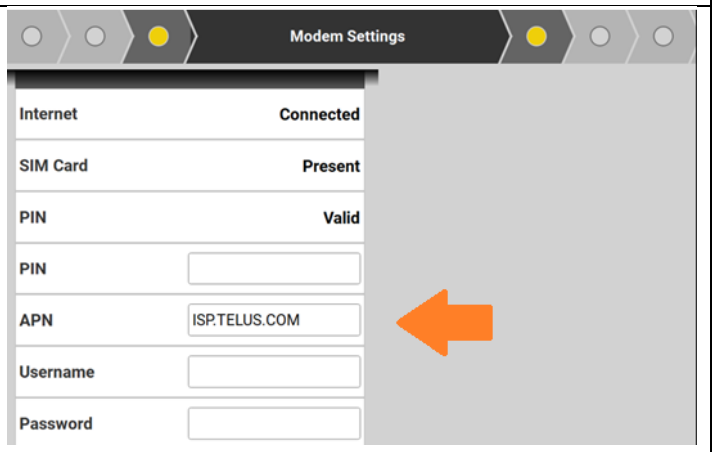


Modem Settings

PIN:	*Typically blank*
APN:	See below*
Username:	*Typically blank*
Password:	*Typically blank*

Enter the appropriate **APN**:
(APN for other providers may vary, please check with them to see if APN has changed)

- Bell: inet.bell.ca
- Telus: isp.telus.com
- Rogers: internet.com (or ltemobile.apn)
- Freedom: mms.freedommobile.ca

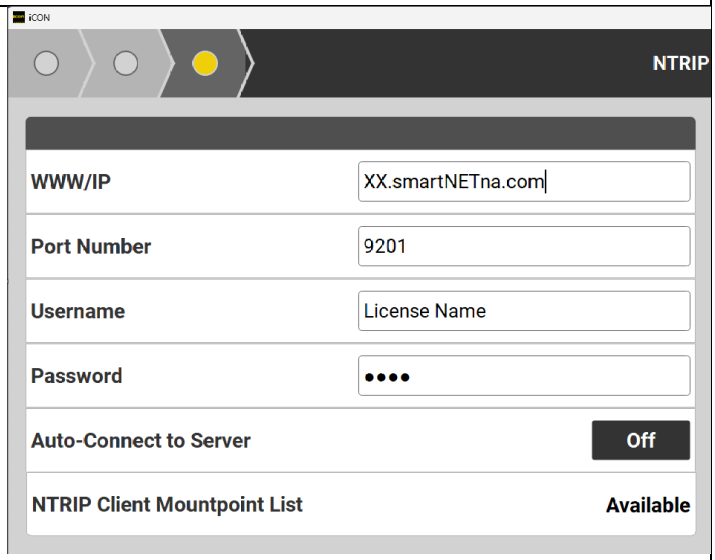


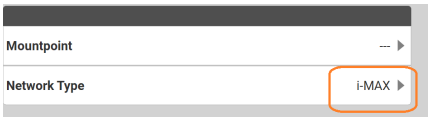
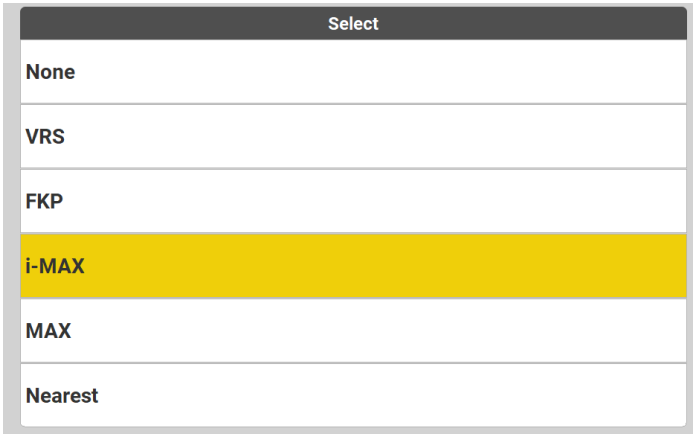
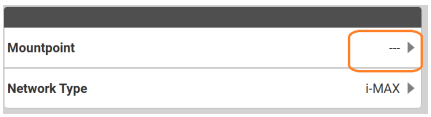
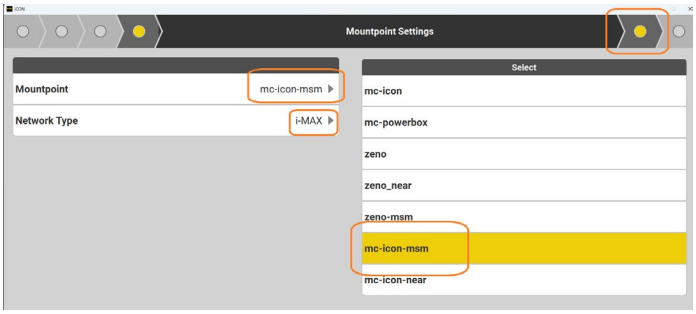
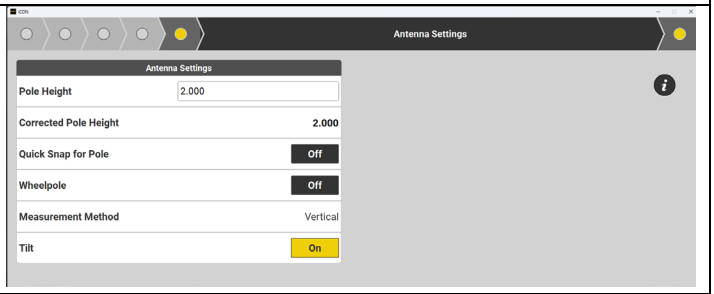
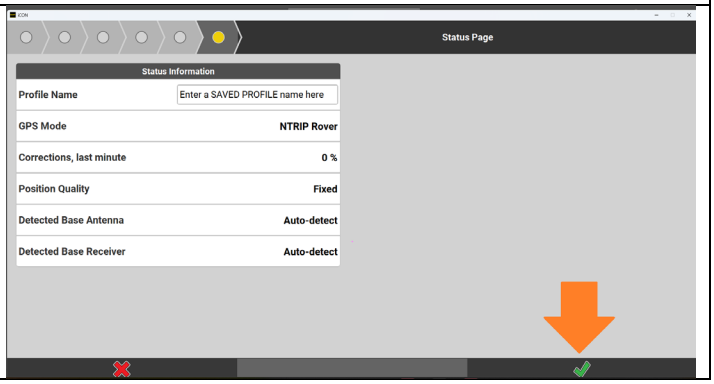
7

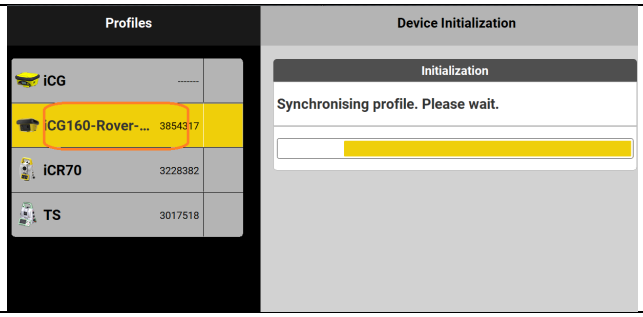
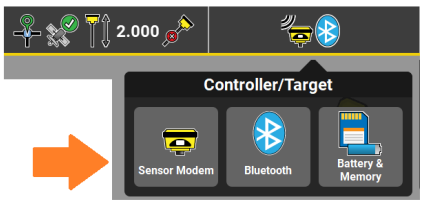
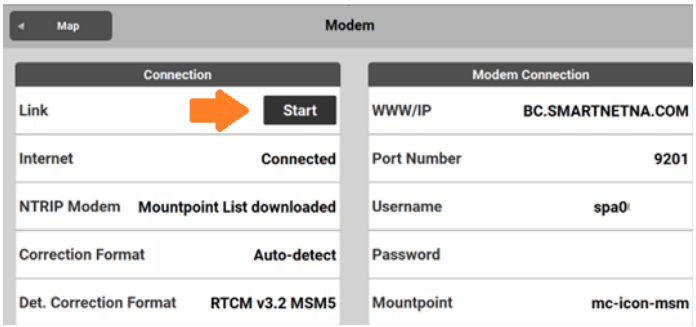
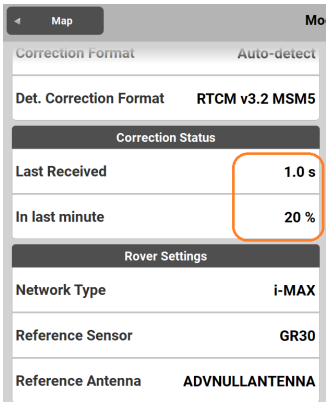
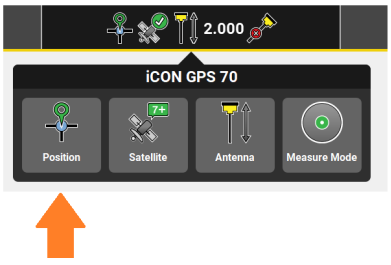
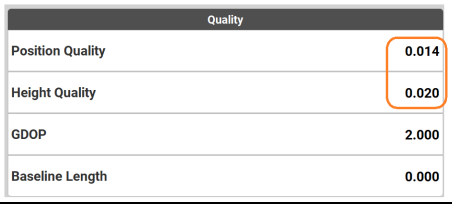
The REFERENCE NETWORK settings are what we need to change.
Enter the below required details provided by HxGN SmartNet:

WWW/IP:	**xx**.smartnet.com where xx is your province, **AB** or **BC**
Port Number:	9201
Username:	License username
Password:	xxxxxx
Auto-connect to Server:	Off

Note: For standard geomatics network RTK accounts use port **9301**



8	**Mountpoint Settings:** Select *Network Type* as **i-MAX or** alternatively **Nearest** 	
9	Select *Mountpoints* and a list of mountpoints will be downloaded automatically.  Select **mc-icon-msm** (*ms-icon-near if Network Type Nearest was chosen*) Tap the next Wizard step	
10	Review **Antenna Settings.** *Note:* Confirm Rover Pole Height Tap the next Wizard step	
11	**Status Page** Enter a *Profile Name* and tap **green** ✓ to save and create a new profile.	

12	Select the Profile	
13	**Modem Status Confirmation** Go into the *Measure app*, and tap on the top toolbar, and select the Sensor Modem icon  On the Link, press <Start> if it has already started Connection and Modem Connection information will be displayed. **Correction Status** can be seen, ensure *Last Received* has between **1.0-10 secs** approximately.	 
14	**Position** The Position icon will tell the status of the RTK position  Typically, RTK positions has cm level quality (~0.01-0.05m)	**FIXED** Not Fixed