Leica Captivate configuration for SmartNet Multi-GNSS

Introduction

From August 2018, HxGN SmartNet GB offers nationwide GNSS real-time corrections now supporting additionally Galileo and BeiDou satellite constellations.

Pre-requisites:

Corresponding GNSS option(s) licensed on Leica GS receiver eg. Galileo and/or BeiDou

Step	Instruction	Screenshots
1	From the Captivate Home screen, open Settings	← About Leica Captivate ← 522 (2D 0.004 m 10 0.007 m (2D 11.19)
	[7] About Leica Captivate	CS controller GS sensor Leica Captivate Legal information Frequency Multi
	[F6] Page to GS sensor tab	Glonass Yes Galileo Yes
	scroll down	BeiDou Yes QZSS Yes SmartLink fill end 26.02.2019
	Ensure Galileo and/or BeiDou are active or contact your Leica Geosystems supplier to purchase required options	Positioning rate 20 Hz OK Page

Overview

Change the SmartNet server Port to 9301 Change the SmartNet server Mount Point to MSM_iMAX¹ Change the SmartNet Reference Network type to i-MAX¹

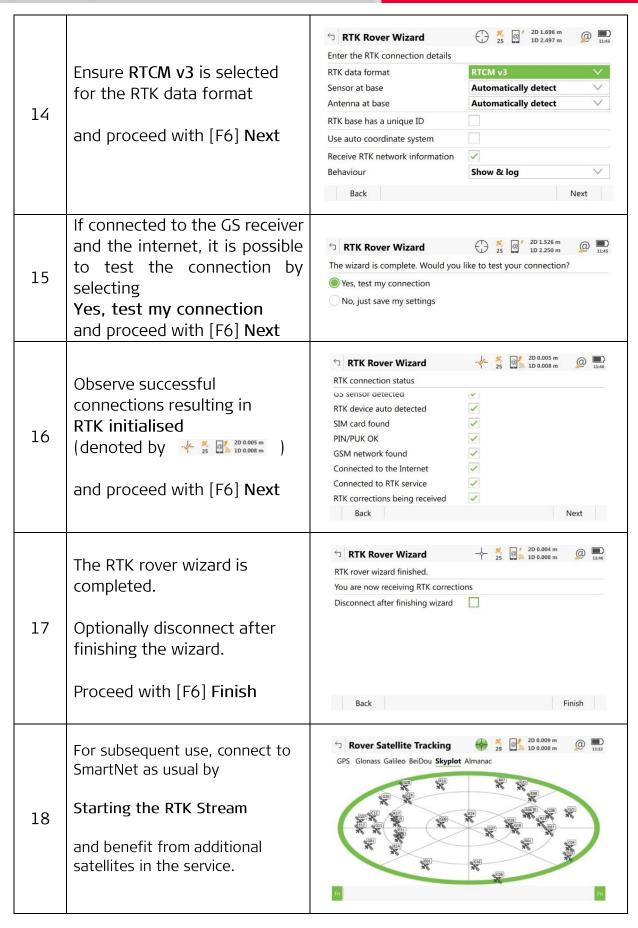
Step	Instruction	Screenshots
2	From the Captivate Home screen, open Settings	Leica Captivate - Home Concrete flo Default Default Af demo Switch to base Measure Stake points
3	[1] Connections	Connections
4	[2] RTK Rover Wizard	RTK rover wizard
5	Select Edit an existing profile and proceed with [F6] Next	Edit an existing profile



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6	Select your SmartNet profile. If you have multiple, then you will need to repeat this process for each of them. [F6] Next	Choose an RTK profile RTK profile SmartNet GB
7	Proceed through the wizard by pressing [F6] Next , 8 times to reach the RTK server page	An RTK server is required. What would you like to do? Create a new server Select a server Edit a server Continue with current server
8	Select Edit a server and proceed with [F6] Next	Edit a server
9	Select RTK server to edit and proceed with [F6] Next	Choose an RTK Server to edit RTK Server Address Port RTK Rover Wizard SmartNet UK V Address Uk.nrtk.eu 7801
10	Edit Port to 9301 and proceed with [F6] Next	Edit server details Server name Address Port 9301 Use NTRIP with this server
11	If connected to the internet, choose Select mountpoint from source table and select MSM_iMAX and proceed with [F6] Next Proceed to step 13. If not connected to the internet, select Enter mountpoint manually and proceed with [F6] Next	Choose a mountpoint. Mountpoint Identifier MSM_iMAX Format Solution System RTK Rover Wizard PS+GLO+GAL+BDS TRTK Rover Wizard A mountpoint is required. What would you like to do? Select mountpoint from source table Enter mountpoint manually Continue with current mountpoint MAX-RTCM 3 10 20 10 16:46 A mountpoint is required. What would you like to do?
12	Enter MSM_iMAX and proceed with [F6] Next	Finter the mountpoint name. Mountpoint MSM_iMAX D 2D 1.482 m 1D 2.276 m 2D 11.442 Enter the mountpoint name.
13	Select the Network type as i-MAX (Appropriate to the Mountpoint selected) and proceed with [F6] Next	Enter the RTK network details Receive RTK corrections from RTK network Network type Send GGA message Send user ID





¹ Nearest and VRS services are also available

