

Step by Step guide to Setting up the Numera Home Hub 4200x with:

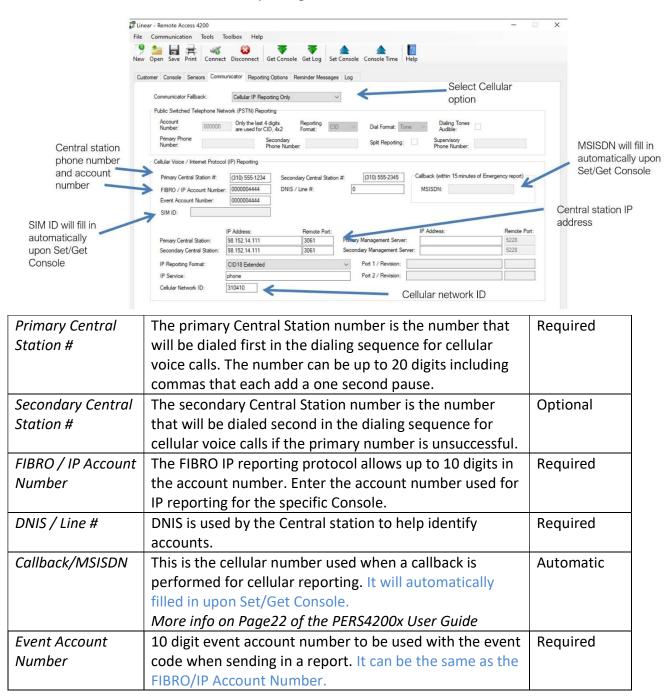
4G Cellular Modem

Step	Milestone	Description
1	Purchase Equipment	Numera Home Hub PERS4200x SSC00101 - And - Cellular Module PERS-LTEA-4200X(ATT) or PERS-LTET-4200X(Telus) NOTE: For computer to console programming, you will need a mini USB cable – not included.
2	Download Programming Software	Download and install the "RA4200 Remote Access Software", which is used to configure the PERS4200X Consoles: <u>https://www.numera.com/software-downloads/</u>
2a	Select Console Type	Click on "Toolbox" in top navigation, next "Select PERS console Type", then select "PERS-4200X"
2b	Configure "Console" tab	Each PERS4200x will need to be configured to be operational. See Pg 15 of the Installation manual, found here: <u>https://numera.com/product-manuals/</u>
2c	Configure "Communications" tab	See sample template in Appendix A.
3	Enable Cellular Service	If using cellular, the dealer needs activate the modem via the Numera Dealer Portal NOTE: The PERS4200x will not pick up network without an active SIM card.
4	Verification/ Run Test	After console is set up, run a test. See Appendix B



Appendix A

- 1. Configure the Communicator tab on the Console
- 2. For Cellular, use the Cellular Reporting section, fill in the items below



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FIBRO Heartbeat	Enter the time (in seconds) required by the Central Station receiver for the FIBRO heartbeat. Default is 7200 seconds.	Required
SIM ID	Displays the User Identity Module ID being used in the cellular module, after console connects. Auto populates with ICCID on Set/Get Console.	Automatic
Management Server Timer	Enter the time (in minutes) for the periodic connection to the management. Default is 1200 seconds. Enter 0 to instruct the Console to NOT contact the Management Server on startup.	Required
Primary Central Station IP Address	The area is for entering the Central Station's primary IP address' and remote port numbers for the server that will be receiving alarm reports from the Console. Enter the values required by the server.	Required
Secondary Central Station IP Address	The area is for entering the Central Station's secondary IP address' and remote port numbers for the server that will be receiving alarm reports from the Console. Enter the values required by the server.	Required
Primary Management Server IP Address	The area is for entering the Central Station's primary IP address' and remote port numbers for the Management server (if it exists).	Optional
Secondary Management Server IP Address	The area is for entering the Central Station's secondary IP address' and remote port numbers for the Management server (if it exists).	Optional
IP Reporting Format	 Three Central Station IP reporting formats are available. SIA CID18 Extended CID58 Extended CID18 EXTENDED is the default format. Select one of the other formats if required by the Central Station. 	Required
IP Service	The cellular service data network name string, also called the APN. You can enter in "phone".	Required
Port 1 & 2 Revision	This area displays the name and firmware revision number of any option modules connected to the Console.	Optional
Cellular Network ID	Used to connect to a specific network. This specifies the numeric network identifier, which is made from the Mobile Country Code (MCC) and Mobile Network Code (MNC). Use 310410 for this value.	Required



NOTE: For more details, review Page 21 of the PERS4200x Installation Manual. <u>https://numera.com/product-manuals/</u>



Appendix B

It is very important to test the unit.

Once a cellular module has been activated, by connecting to the console (with Cell module attached) and "Set Console" settings to the valid selections, then exit.

Step#1: To run system tests, press and release the **TEST** button located on the base of the Console. The Console will

enter Test Mode and announce FW Version, and HW Version.

Step#2: Press the **HELP** button while in Test Mode.

→ Console checks the presence of hardware, if a Cellular Module is

installed, the Console announces "Cellular module detected".

 \rightarrow Console checks the status of the Cellular Module SIM, if the SIM is

provisioned, the Console announces "Cellular module ready".

→ Console checks the status of the Cellular Module communications, if

OK, the Console announces "Phone ready".

 \rightarrow Console checks the status of FIBRO communications, if OK, the

Console announces "Report system ready".

→ Console will test the Cellular Module signal strength. Console

announces "Cellular Module signal is... (0 to 5)". 0 = lowest; 5= highest

Dealer can then do a test report, and test 2-way voice. Subsequent RA-4200 sessions may then show the ICCID number and MSISDN displayed in the RA interface.