900 Rock Avenue, San Jose, CA 95131, USA

How to

Setup HPT435BT JL to provide RTK data received via NTRIP Client to UHF

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This document describes how to configure HPT435BT JL to provide the RTK data received via NTRIP Client to UHF.

The following are the steps of configuration of HPT435BT JL:

1. Connect to HPT435BT JL via web interface (see "HPT435BT JL User Manual" for the details).

2. Perform the Cellular (GSM) configuration:

- In the Communication/GSM tab set the PIN code and APN parameters if necessary (Figure 1).
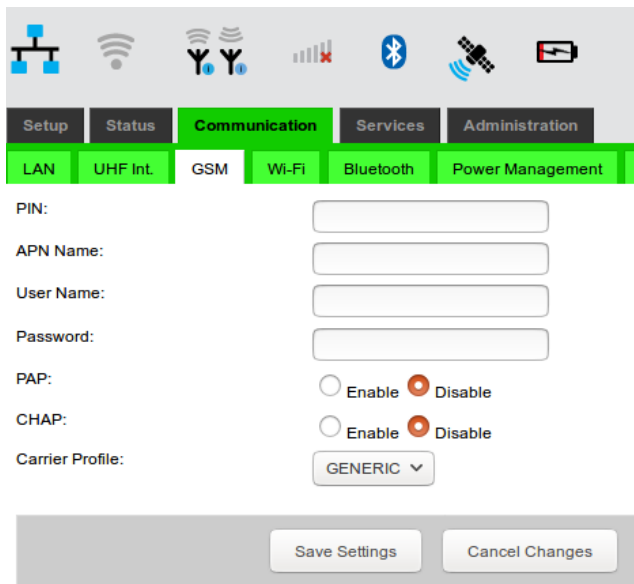

Figure 1.   HPT435BT JL GSM configuration tab

- Use tweezers to install or remove the micro SIM card. Insert the SIM card to its slot. The first slot from the green top cover is for micro-SIM; the second slot is for micro-SD (Figure 2).

Figure 2.   HPT435BT JL micro SIM card installation

- In the Communication/Power Management tab activate the GSM interface (Figure 3). And wait for registering in the network and Internet access availability .
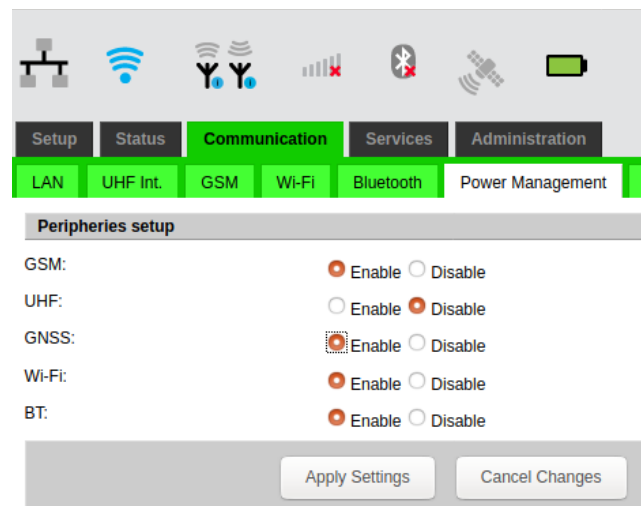

Figure 3.   HPT435BT JL Power Management tab

- The detailed connection status you can check in the Status/GSM tab (see Figure 4).

It is possible also to connect HPT435BT JL to the Internet via LAN or Wi-Fi using any Wi-Fi router, MiFi device or even smart-phone configured in hot spot mode.
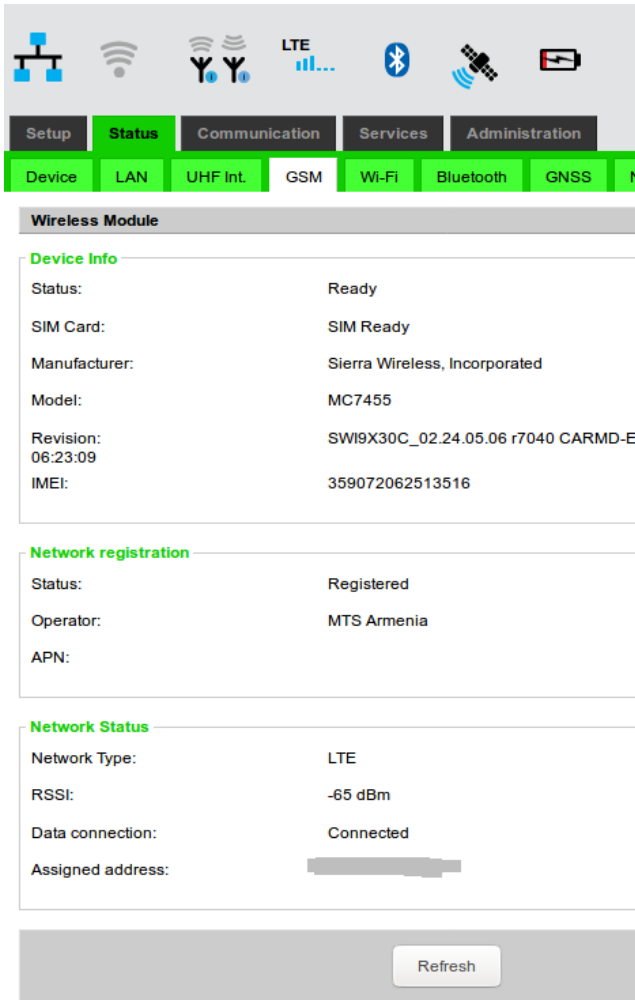

Figure 4.   HPT435BT JL GSM Status tab

3. Setup UHF

- In the Communication/UHF Int. tab select Modem parameters (Figure 5).
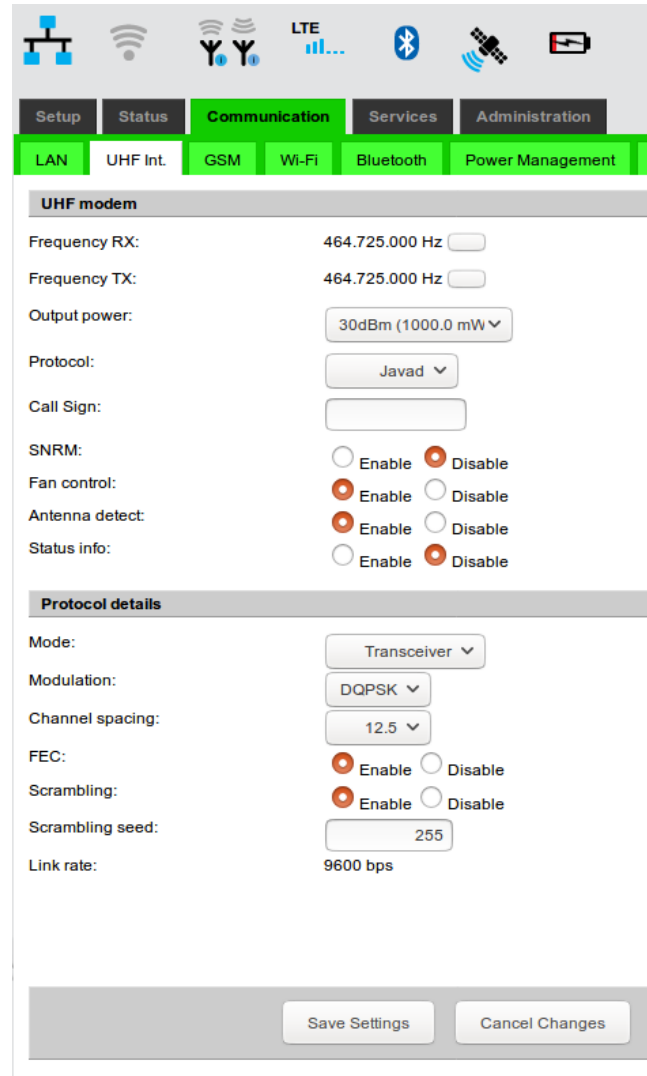

Figure 5.   HPT435BT JL UHF Int. tab

- In the Communication/Power Management tab activate the UHF interface (see Figure 3 on page 2).

4. Setup Data Router

- In the Setup/Router tab select following parameters "NTRIP Client" as Source and "UHF" as Destination.

- Click "Save Setting" and wait until finish (Figure 6).
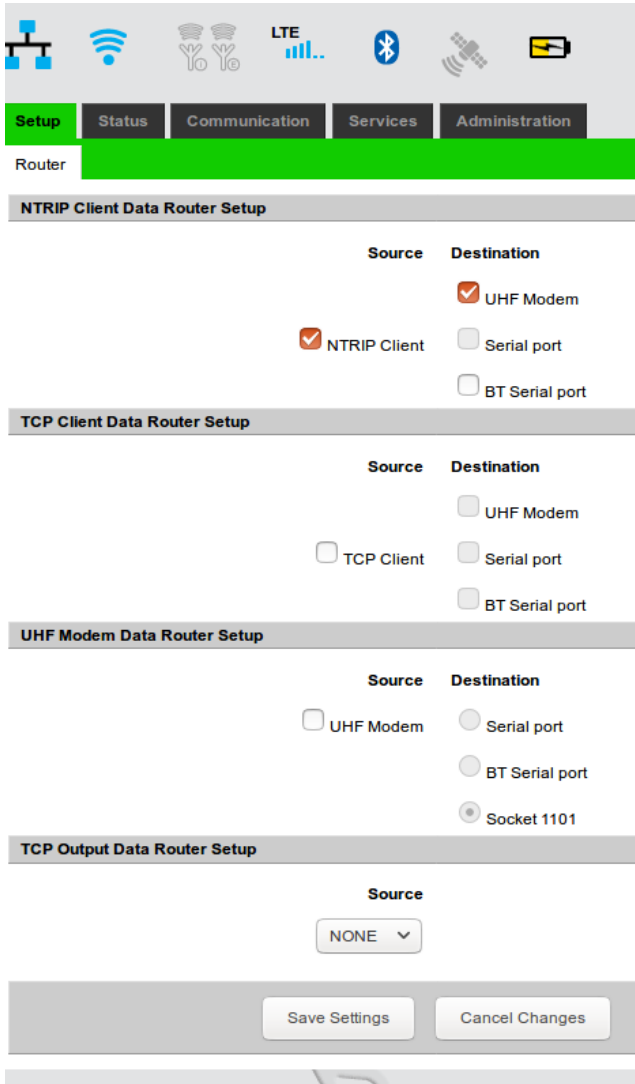
Figure 6.   HPT435BT JL NTRIP Data Router tab

5.   Setup NTRIP Client

- In the Services/NTRIP tab set the following parameters: "Server name/address", "Port", "User" , "Password".

- Click "Save Setting" and wait until finish.

- Click '"Update" and select "Mountpoint" .

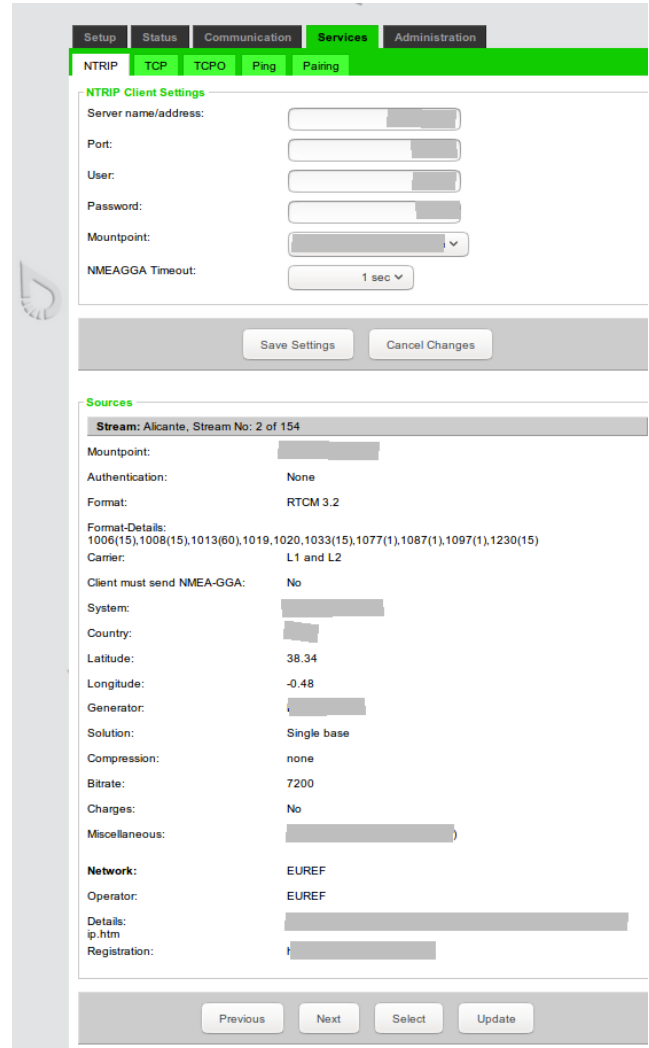- Click "Save Setting" and wait until finish (Figure 7).

Figure 7.   HPT435BT JL NTRIP configuration tab

- If the Ntrip caster needs NMEA-GGA which you can see in picture 8 (field Client must send NMEA-GGA is "Yes"), needed activate GNSS from the Communication/Power Management tab.

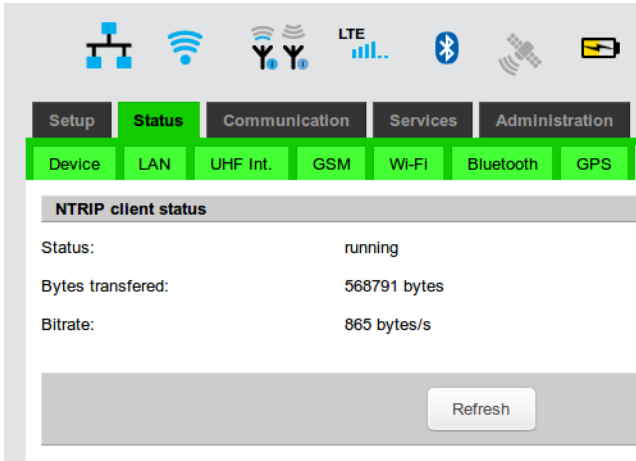- Detailed connection status you can check in the Status/NTRIP tab (Figure 8).

Figure 8.　　HPT435BT JL Status NTRIP tab

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