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HPT435BT JL (JLink LTE) WiFi base configuration

How to

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HPT435BT JL (JLink LTE) WiFi base configuration

1. Get MAC address of the WiFi adapter of TRIUMPH-LS: Home screen->WiFi->Configuration tab.

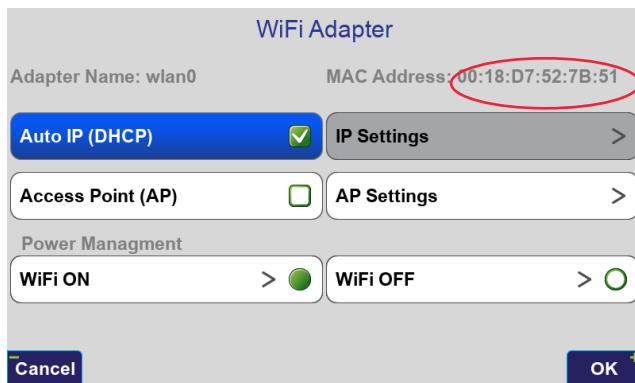


Figure 1. TRIUMPH-LS WiFi adapter's configuration screen

2. Go to the WiFi manager of your device (PC, tablet or mobile) and search for HPT435BT JL (or JLink LTE):

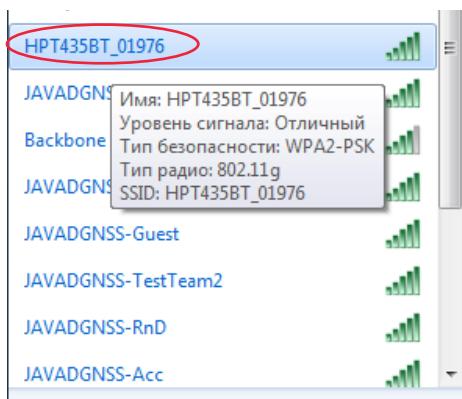


Figure 2. WiFi Manager

3. Connect with password "testtest".
4. Enter in browser 10.1.10.1:8080 to connect to the web interface, set the login "jlink" and the password "jlink".

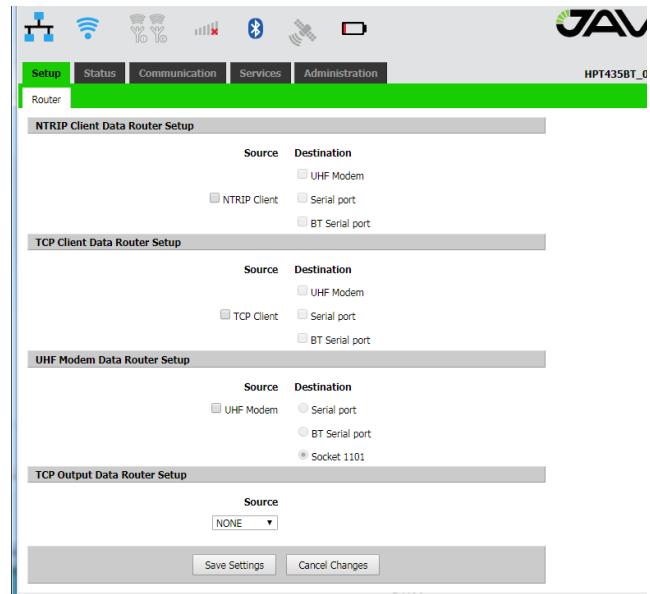


Figure 3. HPT435BT JL (JLink LTE) web interface

5. In the web interface Setup->Communication->Wi-Fi map the MAC address of TRIUMPH-LS with IP 10.1.10.110

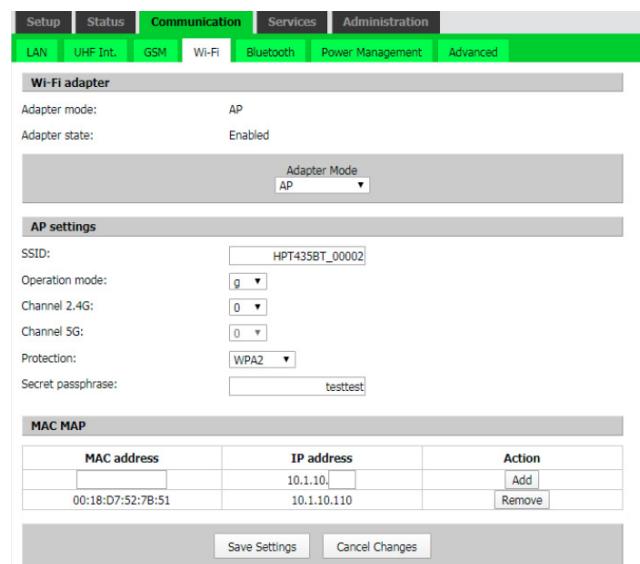


Figure 4. HPT435BT JL (JLink LTE) WiFi configuration tab

6. Connect TRIUMPH-LS to HPT435BT JL (JLink LTE) via WiFi: Home screen->WiFi->Network, select the name of access point f e.g. HPT-436BT_01976 and tap Connect.



Figure 5. Connecting to the HPT435BT JL

7. Configure the TCP base mode of TRIUMPH-LS: Home screen->Setup->GeneralGroup Edit->RTK Base. Set up the coordinate system, base position, TCP Server.

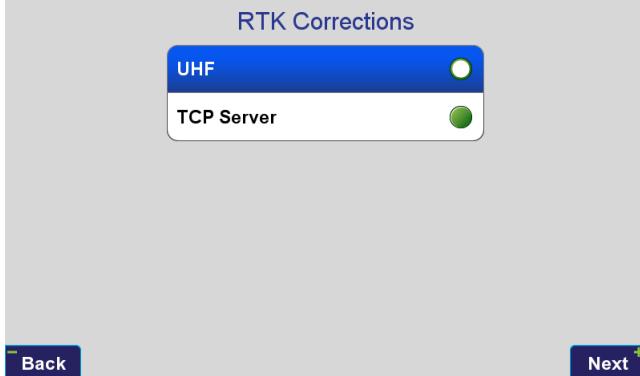


Figure 6. TRIUMPH-LS RTK corrections source selection

The settings of TCP Server are depicted on the picture below.

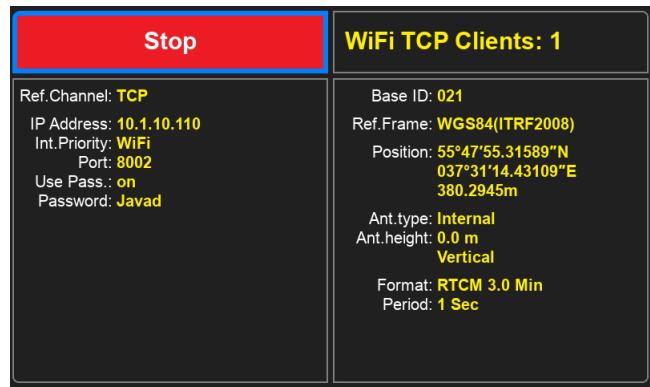


Figure 7. TRIUMPH-LS TCP Server's settings

8. Select the corrections type and period of TRIUMPH-LS. The TRIUMPH-LS (Base) is configured.

9. In the web interface Setup->Router select TCP client -> UHF modem, click Save settings and wait for confirmation.

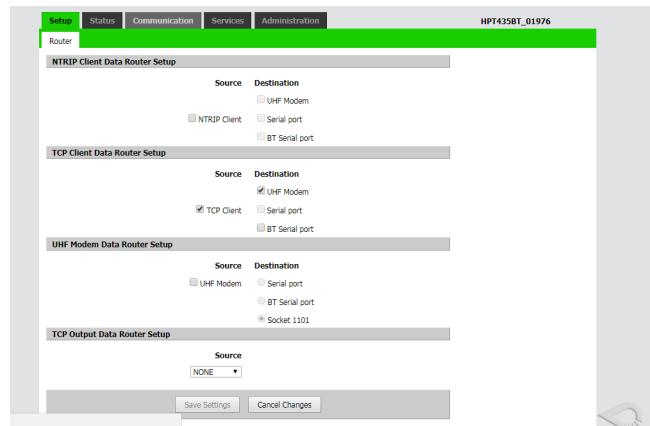


Figure 8. Settings for UHF modem

10. In the web interface Communication->UHF Int. setup the UHF settings, click Save settings and wait for confirmation.

The screenshot shows the HPT435 web interface. At the top, there's a navigation bar with icons for signal strength, battery, and connectivity. Below it is a main menu with tabs: Setup, Status, Communication (highlighted in green), Services, and Administration. Under the Communication tab, there are sub-tabs: LAN, UHF Int., GSM, Wi-Fi, Bluetooth, Power Management, and Advanced. The WiFi section contains fields for Frequency RX (461.025.000 Hz), Frequency TX (464.325.000 Hz), Output power (25dBm (316.2 mW)), Protocol (Javad), Call Sign, SNRM, Fan control, Antenna detect, and Status info. The TCP Server section shows details like Access Point (HPT435BT_00002), MAC Address (50:33:8b:56:02:85), Auth. Mode (WPA-PSK), Signal Quality (Good), Wlan State (Ready), IP Address (10.1.10.110), Subnet Mask (255.255.255.0), Default Gateway (8.8.8.8), DNS1 (8.8.8.8), and DNS2. Navigation buttons at the bottom include Esc, Networks >, RTN >, and Configuration >.

11 . In the web interface Services->TCP set IP of Triumph-LS (Base) from TCP server:

- IP: 10.1.10.110,
- port:8002,
- login – empty,
- password: Javad.

Click Save settings and wait for the confirmation.

The screenshot shows the HPT435 web interface. The top navigation bar and tabs are identical to the previous screenshot. Under the Services tab, there are sub-tabs: NTRIP, TCP (highlighted in green), TCPO, Ping, and Pairing. The TCP Client Settings section contains fields for Server name/address (10.1.10.110), Port (8002), User, Password (*****), and NMEA. At the bottom are Save Settings and Cancel Changes buttons.

12. Note, you can check assigned IP address of TRIUMPH-LS and status of JLLink TCP client by clicking on the WiFi icon (on the status bar).

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