Connecting to a PC or Smartphone via Wi-Fi

The receiver has an internal Wi-Fi Access Point which can be used in conjunction with a PC or smartphone to configure and control every feature of the receiver including firmware updates.

Wi-Fi turns off after 15-minutes to Save Power

To save power, if the Wi-Fi modem is not in use for 15-minutes it may power down, even when Wi-Fi is enabled. Clicking either front panel button will enable it again.

Connecting a computer or Mobile Device

Device Wi-Fi Overview:

SSID: GNSS-###### Wi-Fi Key: (open) Address: 192.168.1.1 port: 80 User Name: admin password: password device-serial-number if a Wi-Fi Password is requested, try **12345678**

lower case lower case

To connect the receiver to your PC with Wi-Fi:



Click on the Network icon in the System Tray

Find the receiver, it will be named 'GNSS-xxxxxxx' followed by the full serial number of your device:



Click on the receiver, then click on Connect:



If a password is requested, try 12345678, then click on Next.



Open a browser window on your PC and type in the GPS IP address:

 $\frac{\text{http://192.168.1.1}}{\leftarrow \rightarrow \times \text{ (3) 192.168.1.1}} \times +$

A Login screen will be shown:



The Login Account is admin and the Password is password.

Click the Login button:



From the Wi-Fi interface, you can configure nearly every aspect of the receiver's operation using the left-hand section tabs and sub-items.

Programming Radio Frequencies and FCC ID

Download the correct CFG file for your receiver from this web folder:

https://igage.com/out/RadioChannelFiles/cfg_WebInterface/index.htm

The master list is:

https://igage.com/out/RadioChannelFiles/cfg WebInterface/ ReadMe StandardUSAFrequencyGroups R001.txt

First login to the GPS receiver via Wi-Fi. See the instructions above.

Open a browser and go to this address <u>http://192.168.1.1/set_en.html</u> :

$\leftarrow \rightarrow \ {\tt G}$	▲ Not secure	192.168.1.1/set_en.html	★ 화
Choose File] No file chosen	Upload ra	2 dio channel list
Choose File] No file chosen	Upload the NTRIP API	S configuration

(1) Click on '**Choose File**' and browse to the settings file, then (2) click on '**Upload radio channel list**' the new radio table list will be installed in the head.

To set the broadcast FCC Call Sign, from the main menu (<u>http://192.168.1.1</u>), click on **Module Setting** then **Radio Settings**:

\leftarrow \rightarrow C \land Not secure	192.168.1.1/pc/index.html?param1=HC_PRODUCT_MODEL_X7¶m2=tr 🗠 🛧 🖸 🐲		
CHCNA	SN:4021230 📻 English 🗸 Quit		
🗊 Status	Radio Settings ×		
🔥 Satellites	Radio Settings		
X Receiver Configuration			
📰 Data Recording	Radio Status: ON C OFF		
🔅 I/O Settings	Auto Start: 💽 Yes 🔿 No		
Network Setting			
See Module Setting	Radio Protocol: Satel 3AS		
 Description 	Channel Bandwidth : 12.5 V(KHz)		
► WiFi	OTA Baud Rate: 9600 🗸		
 Bluetooth Settings 	Radio Power: 2W		
 Radio Settings 	Radio Frequency: 1 461.025000 (410MHz470MHz)		
 IMU Setting 	FEC:		
	Call Sign:		
	Call Sign Status: ON OFF		
	Call Sign Interval: 15 (130min)		
	🛄 Save		
📚 Firmware			

If the Radio Status is OFF, click ON to turn on the radio power.

The Call Sign Status should be set to ON, the Call Sign Interval should be 15 minutes or less, the Call Sign Message should be your FCC Assigned Call Sign.

Once entered, click on Save to commit the changes to the internal radio.