

Tracking Table							
All ☒ GPS ☐ GLONASS ☐ BDS ☐ GALILEO ☐ SBAS ☐							
SV	Type	Elevation Angle	Azimuth Angle	L1 SNR	L2 SNR	L5 SNR	Enabled
2	GPS	53	332	45.660	36.420	0.000	Yes
5	GPS	47	258	48.280	34.340	0.000	Yes
6	GPS	51	59	46.480	39.220	47.300	Yes
9	GPS	32	55	42.130	33.920	44.300	Yes
12	GPS	25	265	44.080	34.830	0.000	Yes
17	GPS	30	148	44.390	33.470	0.000	Yes
19	GPS	45	147	44.230	34.510	0.000	Yes
25	GPS	10	303	37.660	31.190	39.240	Yes
4	GLONASS	42	28	46.520	47.890	0.000	Yes
5	GLONASS	81	230	47.930	51.230	0.000	Yes
19	GLONASS	51	99	35.050	46.220	0.000	Yes
20	GLONASS	50	349	40.390	50.220	0.000	Yes
1	BDS	48	146	42.080	42.740	43.530	Yes
2	BDS	36	236	37.350	40.800	40.080	No
3	BDS	52	200	43.130	42.120	44.200	Yes
4	BDS	35	122	37.550	38.470	40.850	Yes
5	BDS	15	256	33.570	35.130	34.650	No
6	BDS	40	179	38.970	38.900	41.820	Yes
7	BDS	11	195	31.840	31.010	35.650	No
8	BDS	61	15	44.190	44.860	46.650	Yes
9	BDS	20	191	36.140	35.200	36.780	Yes
10	BDS	17	217	33.330	34.840	35.540	No
13	BDS	52	331	44.300	42.940	45.260	Yes
4	GALILEO	26	203	37.790	40.350	34.420	Yes
12	GALILEO	54	335	41.650	43.420	39.640	No
19	GALILEO	73	132	39.940	42.290	39.230	Yes
26	GALILEO	10	113	33.220	33.960	31.130	No

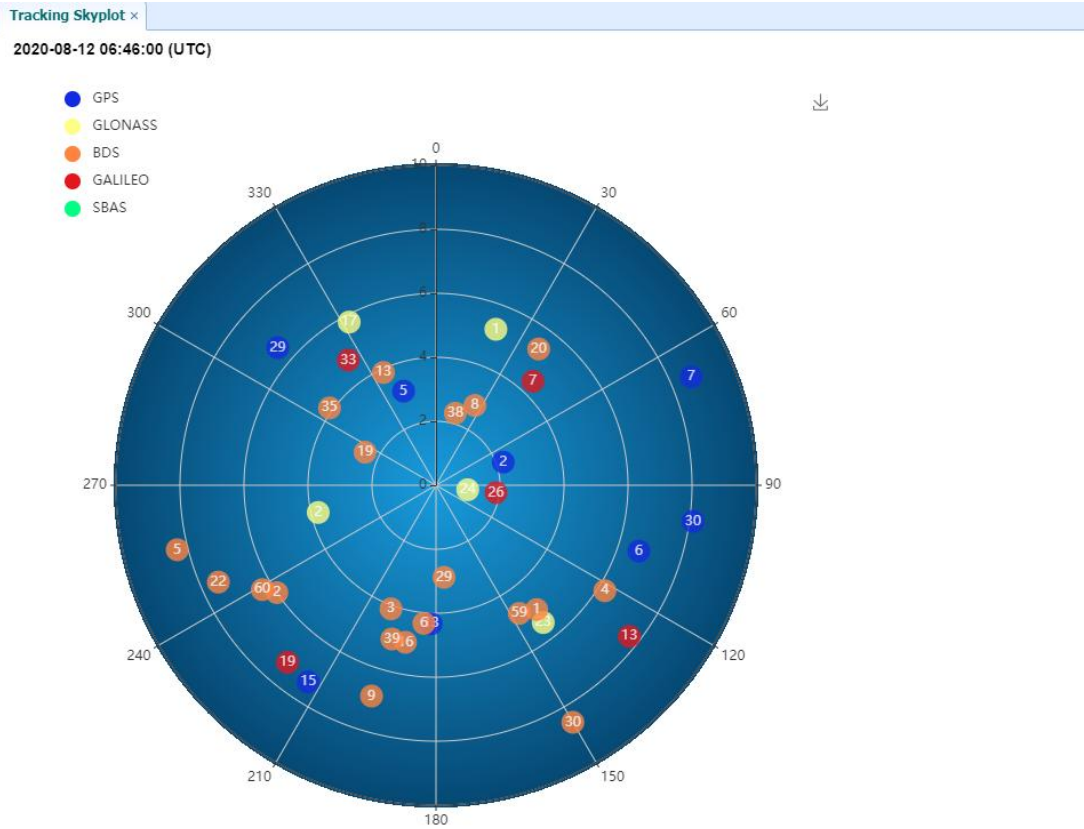
4.2.2 Tracking Info. Table Submenu

The following figure is an example of satellite track diagram page. Users can determine the satellite types and the corresponding SNR of L-band carriers to be displayed in any combination.



4.2.3 Tracking Skyplot Submenu

The following figure is an example of Skyplot page.



4.2.4 Satellite Activation Submenu

Use this menu to enable or disable satellites.

Satellite Activation

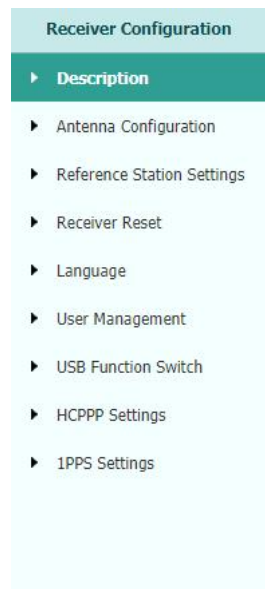
GPS GLONASS BDS GALILEO SBAS

Select All Unselect All Confirm Enable All Disable All

Satellite Id	Enable	Satellite Id	Enable
1	☒	2	☒
3	☒	4	☒
5	☒	6	☒
7	☒	8	☒
9	☒	10	☒
11	☒	12	☒
13	☒	14	☒
15	☒	16	☒
17	☒	18	☒
19	☒	20	☒
21	☒	22	☒
23	☒	24	☒
25	☒	26	☒
27	☒	28	☒
29	☒	30	☒
31	☒	32	☒

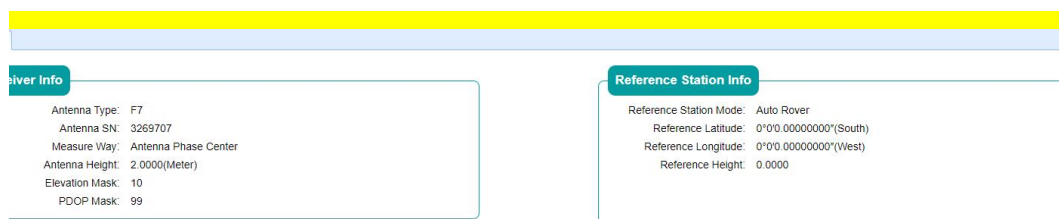
4.3 Receiver Configuration Menu

Use this menu to configure settings such as the antenna type and height, elevation mask and PDOP setting, the reference station coordinates, receiver resetting and web interface language:



4.3.1 Description

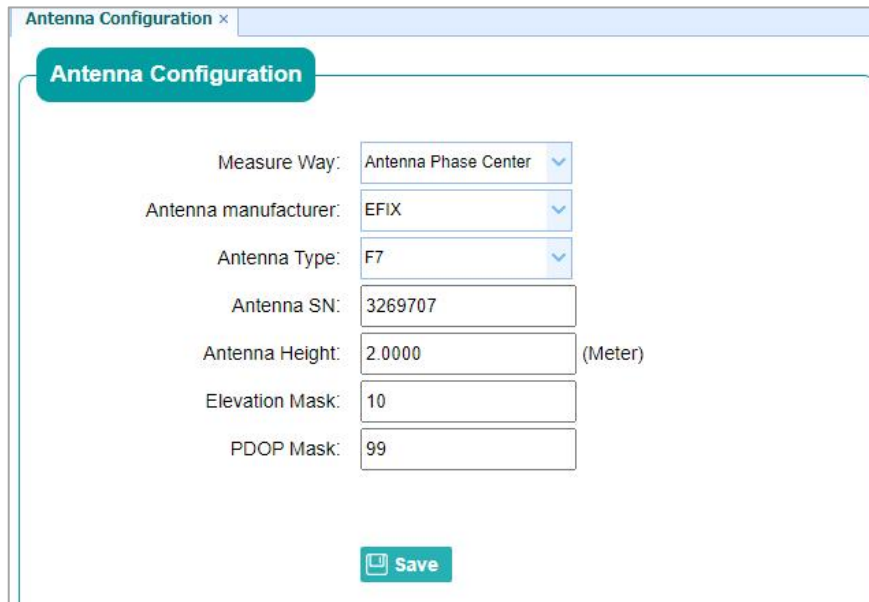
This submenu shows the receiver information and reference station information, including antenna related information, elevation mask angle, reference station work mode and position, etc.



4.3.2 Antenna Configuration Submenu

Use this screen to configure all the items related to the GNSS antenna. You must enter the correct values for all antenna-related fields, because the choices you make affect the

accuracy for logged data and broadcast correction data significantly:



Antenna Configuration ×

Antenna Configuration

Measure Way: Antenna Phase Center

Antenna manufacturer: EFIX

Antenna Type: F7

Antenna SN: 3269707

Antenna Height: 2.0000 (Meter)

Elevation Mask: 10

PDOP Mask: 99

Save

4.3.3 Reference Station Settings Submenu

Use this screen to configure settings such as the station coordinates and the broadcast station identifiers. You must enter accurate information in these fields, as this data affects the accuracy of logged data files and broadcast correction data significantly:

For **Reference Station Mode**:

There are three modes available:

- a) **Auto Rover**: The receiver will serve as a rover after this mode is enabled, and then receive correction data through the working mode set last time.

Reference Station Settings

Reference Station Mode:

Auto Rover

Save

Sample for Average

Positioning Constraint:

☒ Single Solution Coordinates

☐ Fixed Solution Coordinates

Sampling Amount:

300

0%

Start

Stop

4.3.4 Receiver Reset Submenu

Use this screen to completely or partially reset the receiver:

A dialog box titled "Receiver Reset" with a close button (X). It contains four options, each with a green checkmark icon and a "Confirm" button:

- Reboot Receiver:
- Return to Factory Defaults:
- Clear Satellite Data:
- Turn Off Receiver:

4.3.5 Languages Submenu

Use this screen to select the web interface language:

Language x



English

▼

中文

English

Русский

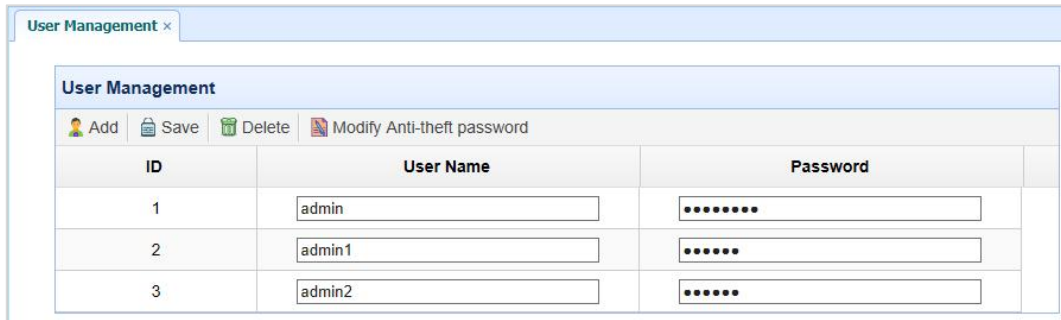
Español

Português

Français

 Confirm

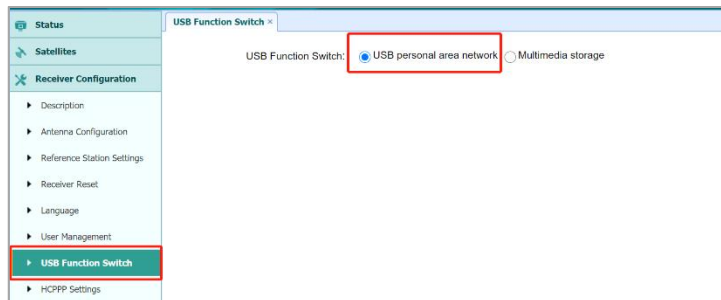
4.3.6 User Management Submenu



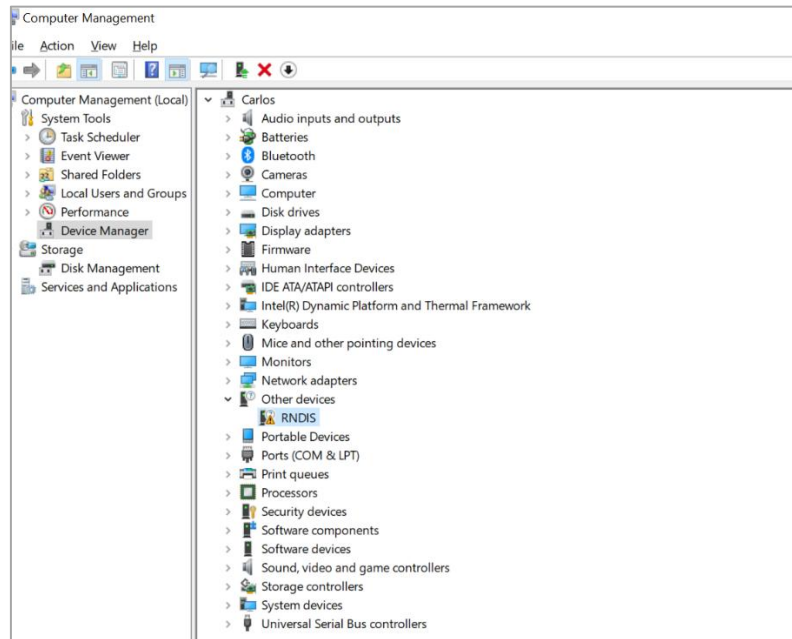
ID	User Name	Password
1	admin	*****
2	admin1	*****
3	admin2	*****

4.3.7 USB Function Switch

Use this screen to set F8 work as APIS base.



1. Connect F8 to PC by USB cable, it will shown in device manager as unknown device:
RNDIS



2. Install the driver for F8 RNDIS

- a) Right click RNDIS, and select update driver, and choose Browse my computer for driver software.

← Update Drivers - RNDIS

How do you want to search for drivers?

→ Search automatically for updated driver software

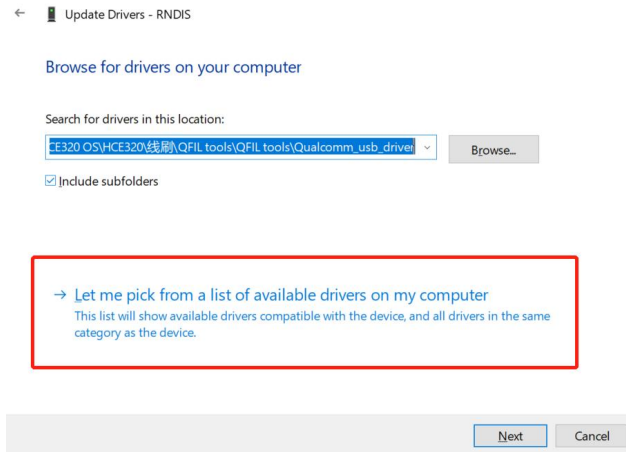
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.

→ Browse my computer for driver software

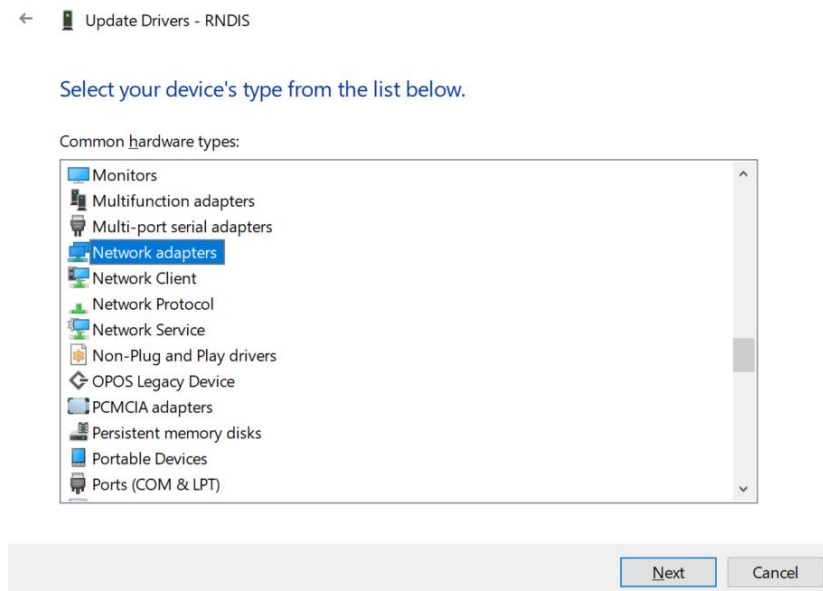
Locate and install driver software manually.

Cancel

- b) Select Let me pick from a list of available drivers on my computer, and click next



c) Then there will appear a hardware type list. In the list, select Network adapters.



d) Then find Microsoft in the Manufacturer list, and select Remote NDIS based Internet Sharing Device in the model list.

← Update Drivers - RNDIS

Select the device driver you want to install for this hardware.



Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

Manufacturer	Model
Microchip Technology Inc.	OpenCable Receiver Preproduction Test Device
Microsoft	RAS Async Adapter
Microsoft Corporation	Remote NDIS based Internet Sharing Device
Motorola, Inc.	Remote NDIS Compatible Device
	Surface Ethernet Adapter



This driver is digitally signed.

[Tell me why driver signing is important](#)

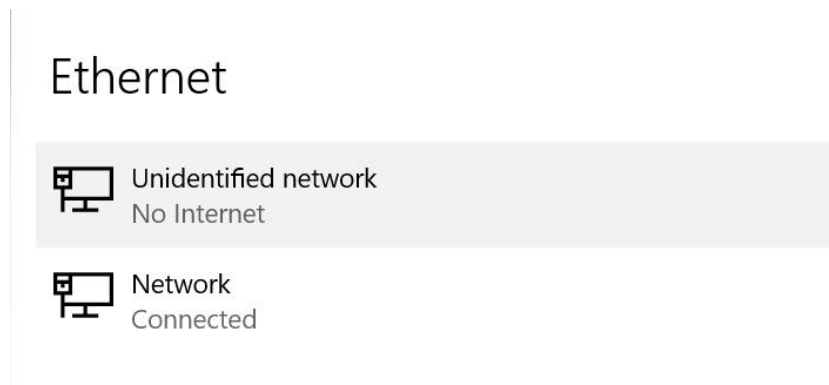
Have Disk...

Next

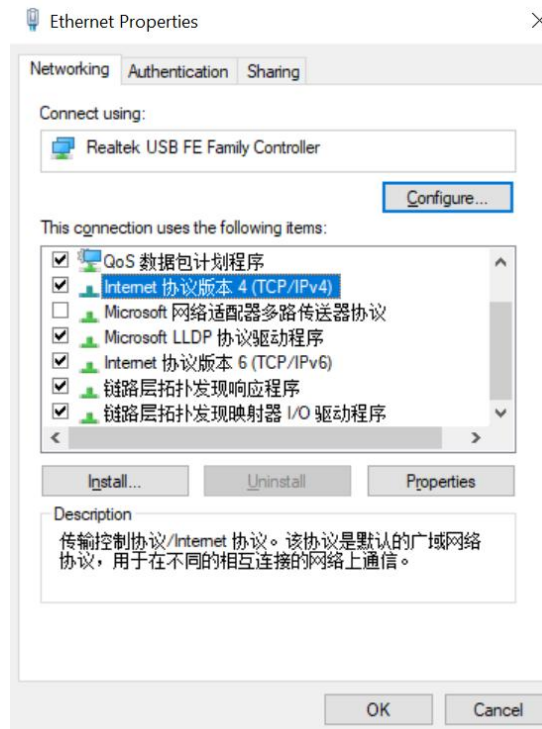
Cancel

3. Config IP for F8.

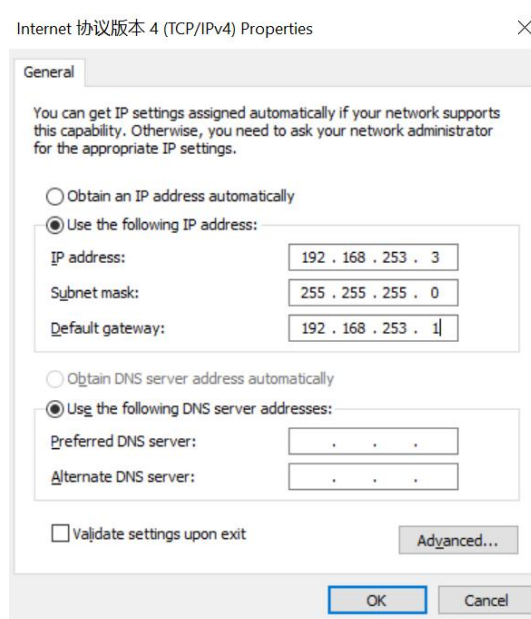
- After installing the driver, there will show another Ethernet connection in Network connections.



- Go to properties, and double click IPV4 to change the IP address.



c) Change the IP address, Subnet mask and Default gateway as following:

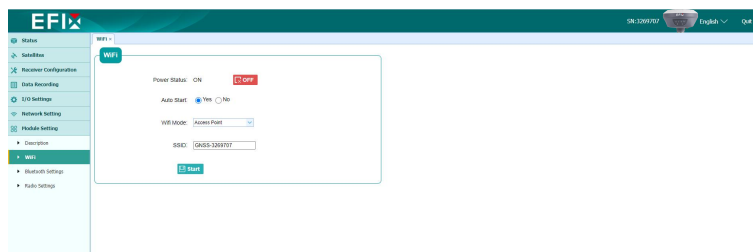


4.Login into F8 webpage in Chrome by inputting: 192.168.253.1, keep same as the default gateway.

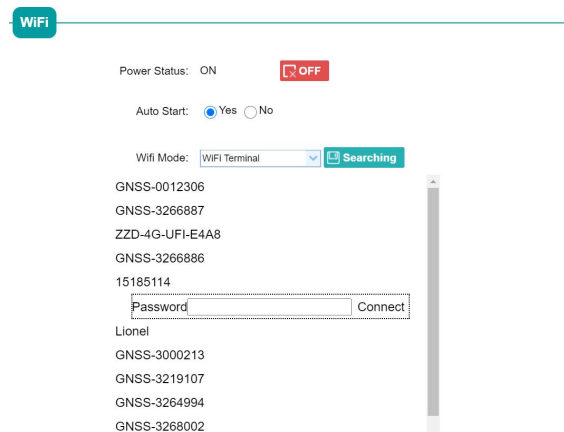


5. Config F8 to connect Wifi and work as APIS base.

a) Go to Module Setting -> WiFi, change WiFi mode to WiFi Terminal.



b) Click Start to searching the wifi and connect.



c) Go to Receiver Configuration -> Reference Station Settings. Set F8 as auto base, and get the base station.

Reference Station Settings

Reference Station Mode: Auto Base

Base Station Name: 3269707

Base Station ID: 3269707

Reference Latitude: 31° 9' 57.45614189" N

Reference Longitude: 121° 17' 17.00726040" E

Reference Height: 40.9406

Save

Sample for Average

Positioning Constraint: ☒ Single Solution Coordinates ☐ Fixed Solution Coordinates

Sampling Amount: 300 0%

Start **Stop**

d) Go to I/O settings, in RTK Client, config it.

Type	Description	Output	Connection Status	Modify
RTK Client	211.144.120.97	---	Unconnected	Connect Disconnecting
TCP/UDP_Client1/NTRIP S	211.144.120.97	Differential Data: RTCM3.2	Logged In	Connect Disconnecting
TCP/UDP_Client2/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client3/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client4/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client5/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client6/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting

e) Connect Connect and config it as APIS base, use local APIS address. Then click Confirm to set.

RTK Client

Connection Protocol: APIS_BASE

Server IP: 211.144.120.97

Port: 9901

Differential Data: RTCM3.2

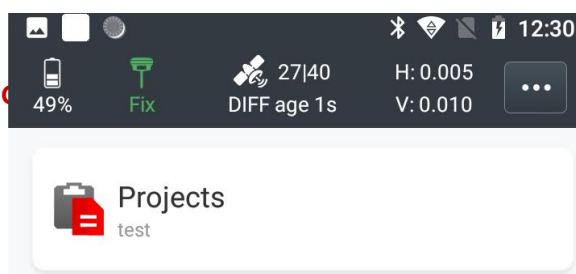
Confirm **Back**

f) After send correction data to APIS server successfully, the RTK Client option will become green background.

Type	Description	Output	Connection Status	Modify
RTK Client	211.144.120.97	---	Logged In	Connect Disconnecting
TCP/UDP_Client1/NTRIP S	211.144.120.97	Differential Data: RTCM3.2	Unconnected	Connect Disconnecting
TCP/UDP_Client2/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client3/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client4/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client5/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting
TCP/UDP_Client6/NTRIP S	192.168.3.18	---	Unconnected	Connect Disconnecting

g) Then set

rover as



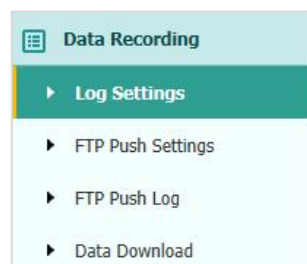
APIS rover, and it will get fix solution.

4.3.8 HCPPP Settings

Reserved for HCPPP.

4.4 Data Recording Menu

Use the Data Logging menu to set up the receiver to log static GNSS data and to view the logging settings. You can configure settings such as observable rate, recording rate, continuous logging limit, and whether to auto delete old files when memory is low. This menu also provides the controls for the FTP push feature:



4.4.1 Log Settings Submenu

Here shows the data logging status, including internal and external storage usage and data logging status of each session. Also, users can configure the data logging settings for each session, including recording name, store location, storage limit, store formats, start time, etc.

Log Settings x

Store Info

	Position	Total Storage	Storage Available
1	Internal Storage	6750MB	6579MB
2	External Storage	0MB	0MB

Attention: Total assigned storage size should be less than 6GB. It will stop recording when the storage is full.

Record Info

Clear All

Recording Number	File Name	Activated	Log Status	Setting Parameter	Switch	Clear Data
1	record1	Yes	Recording	Modify Detail	ON OFF	Clear

To edit the settings of each session, click the **Modify** button to the right of the required session, and then the *Recording Edit* screen appears:

Recording Edit

Auto Record: ☐ Yes ☒ No
Sample Interval: 1Hz
Elevation Mask: 15 (°)
Duration Time: 60 (Minute)
Site Name: 3689191base

Antenna Height: 0.0000
Measure Way: Vertical Height
Storage Format: ECN
RINEX Version: 3.0x
Compress Rinex Data: ☐ Yes ☒ No
Advanced

[Save](#)
[Back](#)

Click advanced to see more settings.

Start Date: ☐ Yes ☒ No
Apply Time: ☐ Yes ☒ No
Integral Point Store: ☐ Yes ☒ No
Circulating Memory: ☒ Yes ☐ No
the data overwritten first file after storage space is full
Repeat Observations: ☒ Yes ☐ No
Turn on to record a single observation. Turn off to record repeated observations.

Store Location: Internal Storage
Assigned Storage: 6000 (MB)
Observer: EFIX
Observe Agency: EFIX
FTP Push:

☒ Close
☐ 1:ftp server 1
☐ 2:ftp server 2
☐ 3:ftp server 3

[Save](#)
[Back](#)

In this screen, you can configure all the data logging parameters, and determine whether the recording files will be affected by the FTP Push. The parameters are mainly as follows:

- **Auto Record:** on or off.
- **Sample Interval:** Select the observable rate from the dropdown list.
- **Elevation Mask:** Enter the elevation mask.
- **Duration Time:** Set the duration of data logging.
- **Site Name:** Enter the name of the site.
- **Antenna Height:** the measured height value.
- **Measure way:** Antenna Phase Center, Vertical Height, Slant Height
- **Storage Format:** Select the format of the data store.
- **RINEX Version:** OFF, 3.02, 2.11
- **Start Date:** Select **Yes** or **No** option to determine whether to auto record start date.
- **Apply Time:** Select **Yes** or **No** option to determine whether to auto record apply time.
- **Integral Point Store:** Select **Yes** or **No** option to determine whether to allow receiver to save data every hour.
- **Circulating Memory:** Select **Yes** or **No** option to determine whether to auto delete old files if the storage space is full.
- **Repeat Observations:** Select **Yes** or **No** option to determine whether to turn on to record a single observation.
- **Store Location:** Internal Storage, External Storage.
- **Assigned Storage:** The assigned memory size of current thread(for example, Record 1) is 10000MB
- **Observer:** Enter the name of observer.
- **Observer Agency:** Enter the name of observer agency.
- **FTP Push:** Decide whether to push the stored files to the FTP server of your choice.

Tap  button to save the settings and back to the *Log Settings* screen. Also, users can click  to abandon the changed settings and back to *Log Settings* screen.

Note – To modify data logging parameters, make sure the data logging session is switched off.

To switch on or off **ANY** data logging session, tap the **ON** or **OFF** button on the right of the required session.

To delete the recorded files of **ANY** data logging session, tap the **Clear** button on the right of the required session.

To delete the recorded files of **ALL** data logging sessions, tap the **Clear ALL Accounts** button.

4.4.2 FTP Push Settings Submenu

Use this screen to configure the receiver to push stored files to the FTP server of your choice. Only files that are configured to use FTP push are transmitted.

FTP Push Settings				
Record Info				
Server ID	Server IP	Remote Directory	Server Description	Modify
1	192.168.3.72	/repo/first	ftp server 1	Modify
2	192.168.3.72	/repo/second	ftp server 2	Modify
3	192.168.3.72	/repo/third	ftp server 3	Modify

Tap **Modify** button on the right of the required FTP server and the *FTP Push Settings* screen appears:


FTP Push Settings


Server IP:

Port:

Remote Directory:

Local directory:

Server Description:

User Name:

Password:




4.4.3 FTP Push Log Submenu

Shows the related information about the recorded filed that be pushed. And users can tap **Clear Ftp Send Log** button in the upper right corner to clear the log of FTP Push operations.

Record Info					
					Clear FTP Push Log
Server ID	Push File	File Size	Push Time	Push Successful Or Not	
20					

4.4.4 Data Download Submenu

In this submenu, users can download the data files that recorded in the internal storage through the internal FTP site.

1. Click this submenu, and then the log on dialogue box will prompt you to enter a user name and password:

Sign in
ftp://192.168.1.1
Your connection to this site is not private
Username
Password

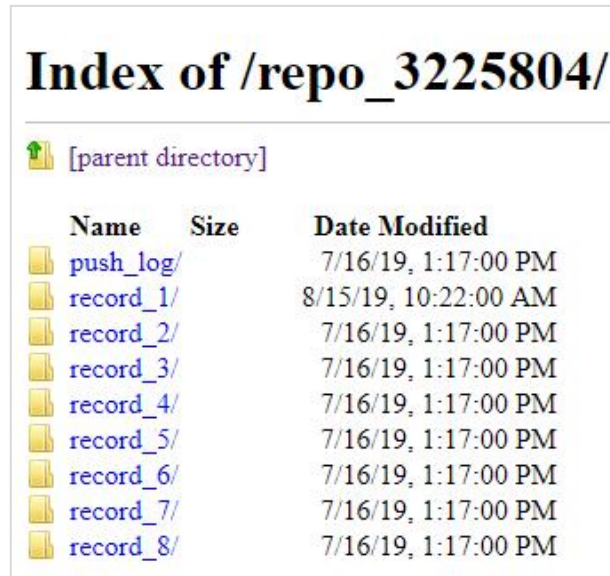
Sign in
Cancel

The default logon account for the internal FTP site is:

- User name: ftp
 - Password: ftp
2. Click the directory named as “repo” to view and download the files currently stored on the receiver:

Index of /		
Name	Size	Date Modified
 System Volume Information/		8/9/19, 10:28:00 PM
 repo_3225804/		7/16/19, 1:17:00 PM

3. To find the file need to be downloaded, click the name of data logging session → the date of file that be recorded → the format of the file → the name of the target file.



4. To download a file, left-click the name of the target file → download the file according to the prompts.

4.5 IO Settings Menu



Use the IO Settings menu to set up all receiver outputs and inputs. The receiver can output CMR, RTCM, Raw data, Ephemeris data, GPGLA, GPGLV, on TCP/IP, UDP, serial port, or Bluetooth ports.

4.5.1 IO Settings Submenu

The following figure shows an example of the screen that appears when you select this submenu. (serial port setting is reserved menu)

I/O Settings x					
	Type	Description	Output	Connection Status	Modify
1	RTK Client	211.144.118.5:2102	---	Unconnected	Connect Disconnecting Detail
2	TCP/UDP_Client1/NTRIP Server1	192.168.3.18:9900	---	Unconnected	Connect Disconnecting Detail
3	TCP/UDP_Client2/NTRIP Server2	192.168.3.18:9901	---	Unconnected	Connect Disconnecting Detail
4	TCP/UDP_Client3/NTRIP Server3	192.168.3.18:9902	---	Unconnected	Connect Disconnecting Detail
5	TCP/UDP_Client4/NTRIP Server4	192.168.3.18:9903	---	Unconnected	Connect Disconnecting Detail
6	TCP/UDP_Client5/NTRIP Server5	192.168.3.18:9904	---	Unconnected	Connect Disconnecting Detail
7	TCP/UDP_Client6/NTRIP Server6	192.168.3.18:9905	---	Unconnected	Connect Disconnecting Detail
8	TCP Server/NTRIP Caster1	9901	---	Closed	Connect Disconnecting Detail
9	TCP Server/NTRIP Caster2	9902	---	Closed	Connect Disconnecting Detail
10	TCP Server/NTRIP Caster3	9903	---	Closed	Connect Disconnecting Detail
11	TCP Server/NTRIP Caster4	9904	---	Closed	Connect Disconnecting Detail
12	Serial Port	115200	---	---	Settings
13	Bluetooth	GNSS-3225804	GPBGA:5s	---	Settings
14	Radio	456.0500MHz	---	---	Settings

In this submenu, users can configure 6 types of input and output settings.

1. RTK Client

After configuring the settings of RTK client, users can log on CORS or APIS. Tap the **Connect** button to the right → the *IO Settings* screen will appear → choose one of the connection protocols among the NTRIP, APIS_BASE, APIS_ROVER and TCP → configure the related parameters → click [Confirm](#) to log on CORS or APIS.

➤ Connection Protocol: NTRIP

RTK Client

Connection Protocol: NTRIP

Server IP: 211.144.118.5

Port: 2102

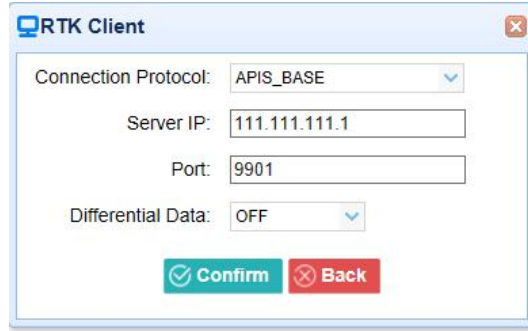
Mount Point: test [Get](#)

User Name: test

Password: test

[Confirm](#)
[Back](#)

➤ Connection Protocol: APIS_BASE



RTK Client

Connection Protocol: APIS_BASE

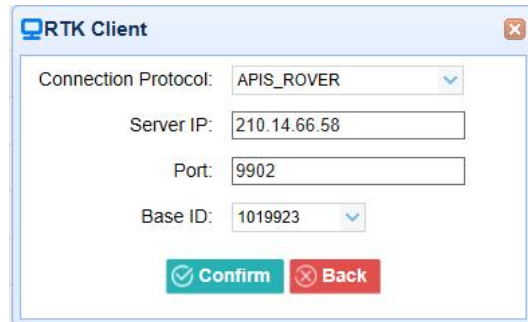
Server IP: 111.111.111.1

Port: 9901

Differential Data: OFF

Confirm Back

- Connection Protocol: APIS_ROVER



RTK Client

Connection Protocol: APIS_ROVER

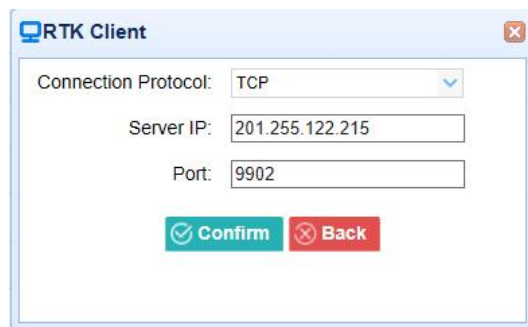
Server IP: 210.14.66.58

Port: 9902

Base ID: 1019923

Confirm Back

- Connection Protocol: TCP



RTK Client

Connection Protocol: TCP

Server IP: 201.255.122.215

Port: 9902

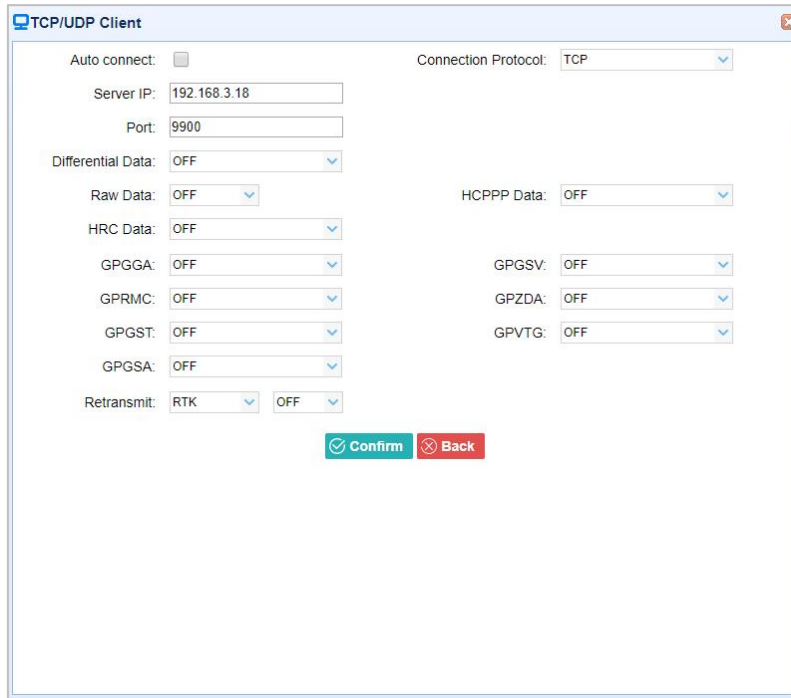
Confirm Back

2. TCP/UDP_Client/NTRIP Server

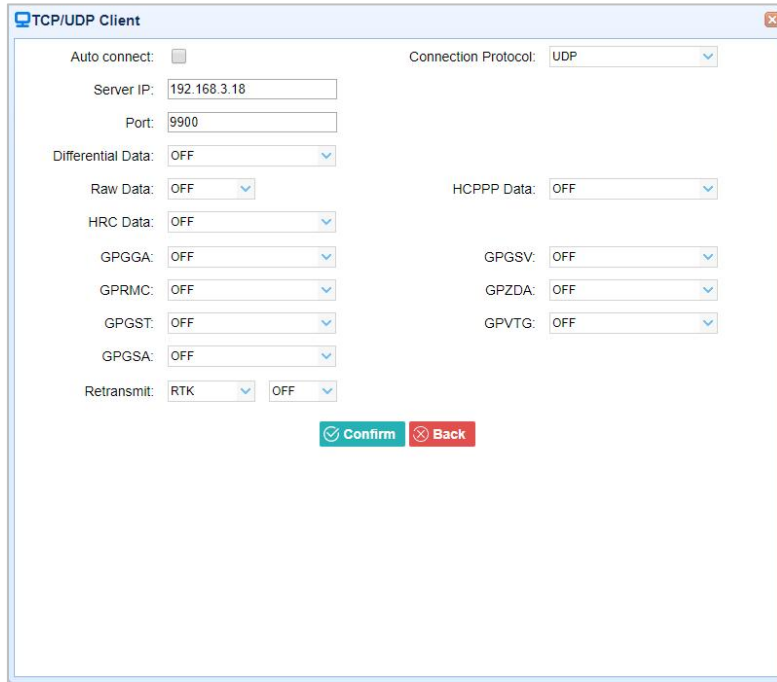
Tap the **Connect** button on the right of required TCP/UDP Client → the *IO Settings* screen will

appear → select the connection protocol from TCP, UDP, NTRIP1.0 and NTRIP2.0 → enter the IP and Port of the target server → configure messages that you want to output to the target server → click  to save and complete the connection.

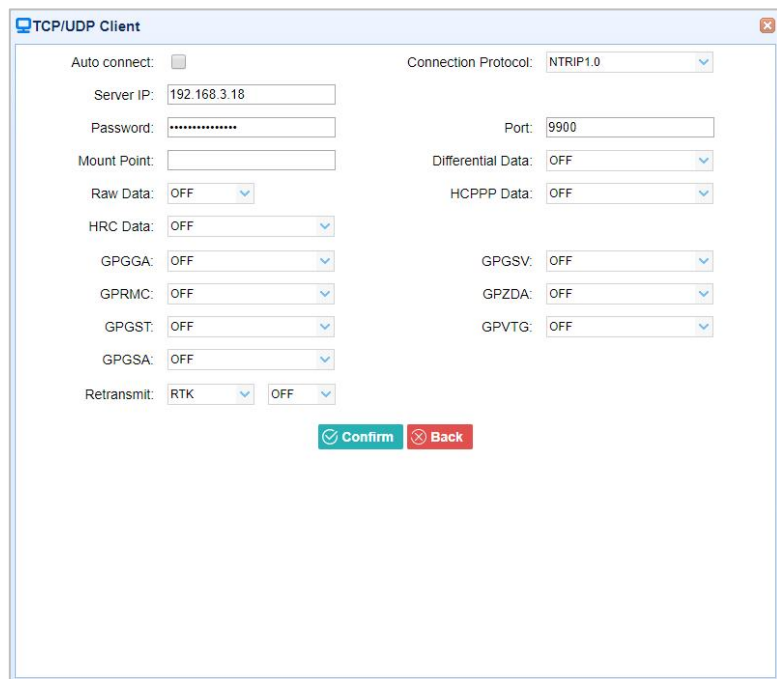
➤ Connection Protocol: TCP



➤ Connection Protocol: UDP



➤ Connection Protocol: NTRIP1.0



➤ Connection Protocol: NTRIP2.0

TCP/UDP Client

Auto connect: ☐

Server IP:

Password:

Mount Point:

Raw Data:

HRC Data:

GPGGA:

GPRMC:

GPGST:

GPGSA:

Retransmit:

Connection Protocol:

User Name:

Port:

Differential Data:

HCPPP Data:

GPGSV:

GPZDA:

GPVTG:

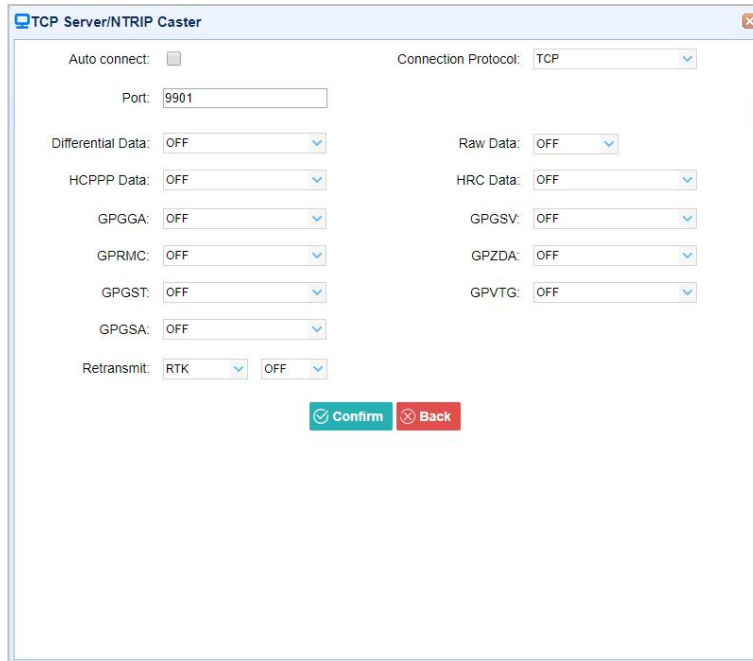
Confirm

Back

3. TCP Server/NTRIP Caster

Tap the **Connect** button to the right of required TCP Server/NTRIP Caster → the **IO Settings** screen will appear → select one of the connection protocols between NTRIP and TCP → configure the other related parameters → click  to save the settings and open the server.

➤ Connection Protocol: TCP



The screenshot shows the 'TCP Server/NTRIP Caster' configuration window. At the top, there's a title bar with a close button. Below it, the 'Auto connect' checkbox is unchecked. The 'Port' field is set to '9901'. The 'Connection Protocol' dropdown is set to 'TCP'. The main area contains two columns of settings, each with a label and a dropdown menu. The first column includes 'Differential Data', 'HCPPP Data', 'GPGGA', 'GPRMC', 'GPGST', 'GPGSA', and 'Retransmit'. The second column includes 'Raw Data', 'HRC Data', 'GPGSV', 'GPZDA', and 'GPVTG'. Most of these are set to 'OFF'. The 'Retransmit' setting has two options: 'RTK' and 'OFF'. At the bottom, there are two buttons: 'Confirm' (green with a checkmark) and 'Back' (red with an 'X').

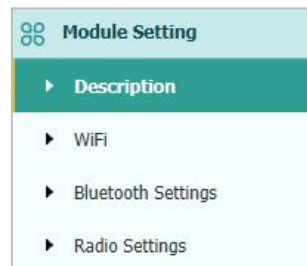
➤ Connection Protocol: NTRIP

4. Bluetooth

Tap the **Settings** button to the right of Bluetooth → the *Bluetooth Set* screen will appear → configure the messages that you want to transmit through Bluetooth → click  to save the settings and start to transmit.

4.6 Module Setting Menu

Use this menu to check module information, configure WiFi, bluetooth, radio related settings.



4.6.1 Description Submenu

Use this submenu to check the information of WiFi module, bluetooth module and radio module.



4.6.2 WiFi Submenu

Use this submenu to turn on/off WiFi function and modify password.

WiFi x

WiFi

Power Status: ON OFF

Auto Start: ☒ Yes ☐ No

Internet: ☒ Yes ☐ No

Wifi Mode: Access Point

SSID: GNSS-3225804

Encryption Type: WAP

Password:

Start

4.6.3 Bluetooth Settings Submenu

Use this submenu to turn on/off bluetooth function and modify PIN number.

Bluetooth Settings x

Bluetooth Settings

Local Name: GNSS-3225804

MAC Address: 50:72:24:60:C7:6F

PIN: 1234

Save

4.6.4 Radio Settings Submenu

Use this submenu to turn on/off radio function and configure radio parameters.

Radio Settings x

Radio Settings

Radio Status: OFF ON OFF

Auto Start: ☐ Yes ☒ No

Radio Protocol: Transparent

Channel Bandwidth : 25 (kHz)

OTA Baud Rate: 9600

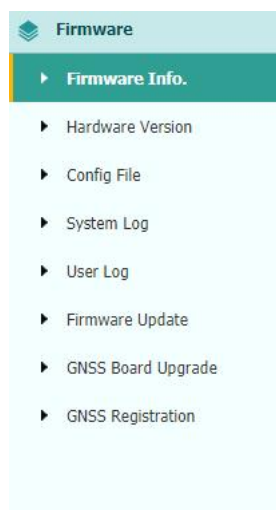
Radio Power: 1W

Radio Frequency: 9 463.8125 (410MHz--
-470MHz)

Save

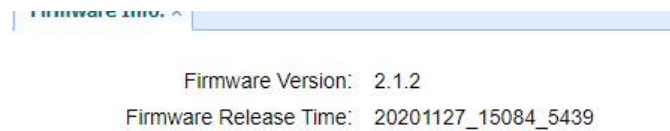
4.7 Firmware Menu

Use this menu to check the current firmware information, download the system log, update the receiver firmware, download or update the configuration file and register the receiver, and more:



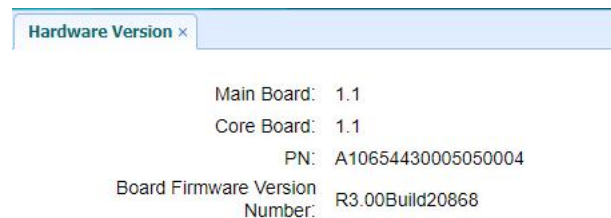
4.7.1 Firmware Info Submenu

Use this submenu to check the current firmware information. The following figure shows an example of the firmware information.



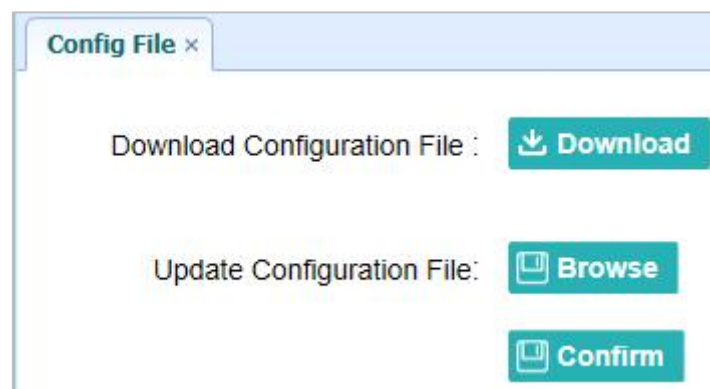
4.7.2 Hardware Version Submenu

Use this submenu to check the hardware information, including main board version and core board version:



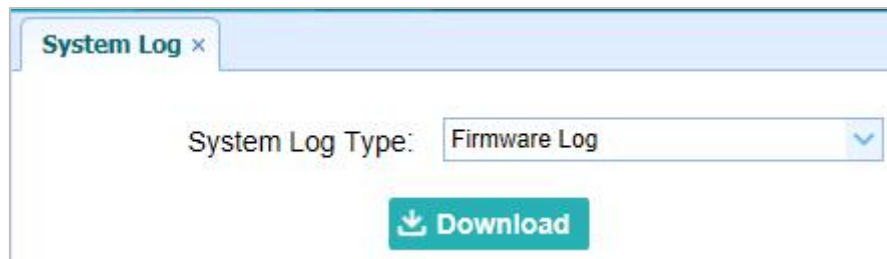
4.7.3 Config File Submenu

Use this submenu to update Configuration File.



4.7.4 System Log Download Submenu

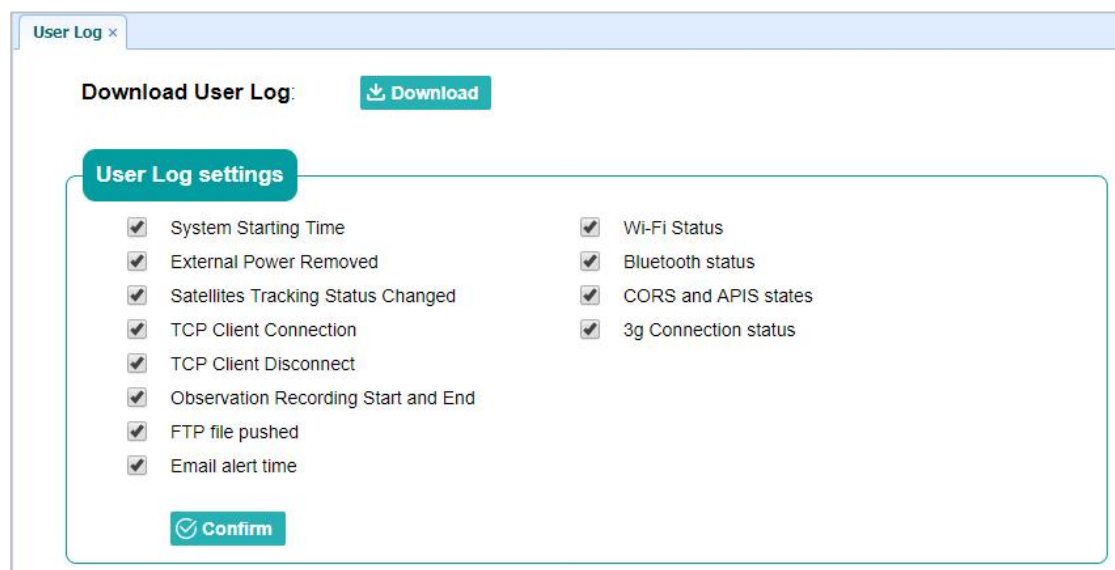
Use this submenu to download the system log of the receiver.



The screenshot shows a web interface for downloading system logs. At the top, there is a tab labeled "System Log" with a close button (x). Below the tab, the text "System Log Type:" is followed by a dropdown menu currently set to "Firmware Log". At the bottom of the interface is a green button with a download icon and the text "Download".

4.7.5 User Log Submenu

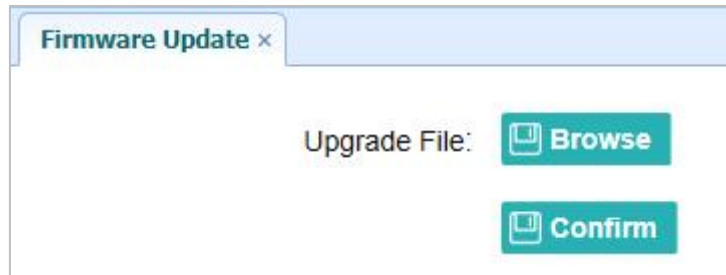
Use this submenu to download the user log. Tap **Download** to download current user log; Tick items that you want to see on the user log and tap confirm button to confirm selected user log.



The screenshot shows a web interface for downloading user logs. At the top, there is a tab labeled "User Log" with a close button (x). Below the tab, the text "Download User Log:" is followed by a green button with a download icon and the text "Download". Below this is a section titled "User Log settings" which contains a list of 12 items, each with a checked checkbox: System Starting Time, External Power Removed, Satellites Tracking Status Changed, TCP Client Connection, TCP Client Disconnect, Observation Recording Start and End, FTP file pushed, Email alert time, Wi-Fi Status, Bluetooth status, CORS and APIS states, and 3g Connection status. At the bottom of the settings section is a green button with a checkmark icon and the text "Confirm".

4.7.6 Firmware Update Submenu

Use this submenu to load new firmware to the receiver across the network. Tap the **Browse** button to locate the upgrade file → tap **Confirm** button to confirm the selected upgrading file and start upgrading.

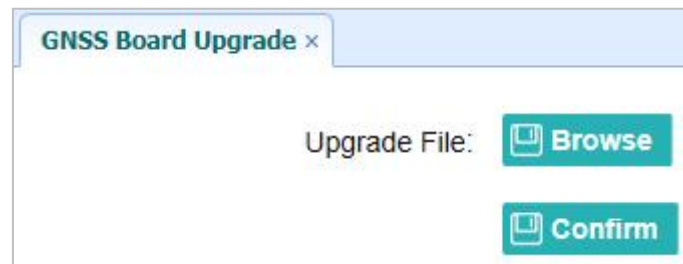


Notes

- It may take about 3 or 4 minutes to complete the firmware upgrading. Do not touch the power button or unplug the power until the upgrading process finishes, or damage will be caused to the receiver.
- The receiver will restart after the firmware upgrading is done, so users need to reconnect the receiver with your computer via Wi-Fi, and then log-in the receiver through a web browser to continue the configuration.

4.7.7 GNSS Board Upgrade Submenu

Use this submenu to upgrade GNSS Board. Use this submenu to load new board to the receiver across the network. Tap the **Browse** button to locate the upgrade file → tap **Confirm** button to confirm the selected upgrading file and start upgrading.



4.7.8 GNSS Registration Submenu

Use this submenu to register the receiver. Paste or enter the registration code to the *Registration Code* field → tap **Registration** button to complete the registration.

GNSS Registration ×

Serial Number:	3269707
Registration Limit:	2020-10-31
Registration Code:	cHvbNNdWUMR





EFIX Geomatics

1st Floor, No. 258 Pingyang Rd., Minhang District,
Shanghai, 201102, CHINA

Tel: +86 15021007664

Email: sales@efix-geo.com | support@efix-geo.com

Skype: [support@efix-geo.com](https://www.skype.com/people/support@efix-geo.com)

Website: www.efix-geo.com

Stronger signal, **easy** to fix

FCC warning statements:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 50cm between the radiator & your body.