

Setup iG10 (or S900+) to send RTCM3 to a WiFi connected device

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By: Mark Silver, mark@igage.com

Login to head from PC

Login into the web interface on the receiver:

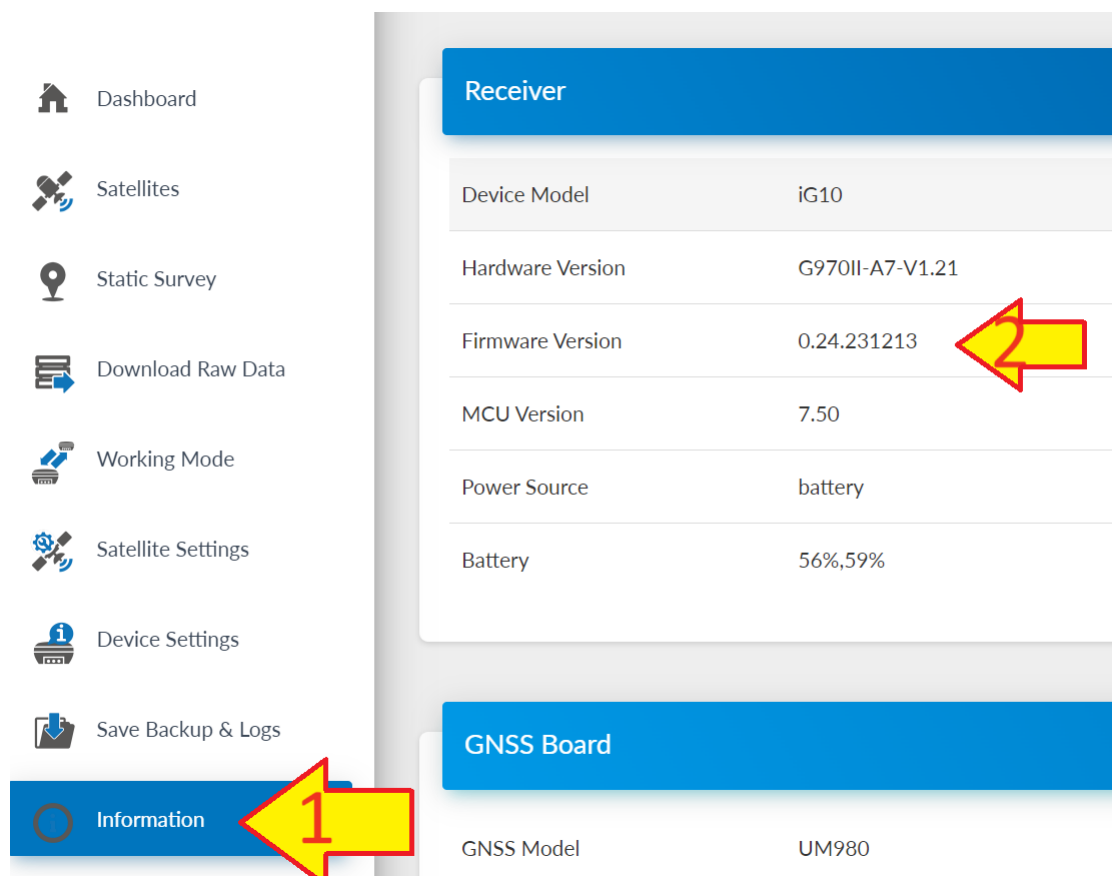
IP: 192.168.10.1

User: admin

PW: password

Verify firmware

Go to the Information sidebar, verify that the Firmware Version is 0.24.231213 or higher:



The screenshot shows the web interface of the receiver. On the left is a sidebar with navigation options: Dashboard, Satellites, Static Survey, Download Raw Data, Working Mode, Satellite Settings, Device Settings, Save Backup & Logs, and Information. The 'Information' option is highlighted with a yellow arrow and the number '1'. The main content area shows the 'Receiver' section with a table of device information:

Receiver	
Device Model	iG10
Hardware Version	G970II-A7-V1.21
Firmware Version	0.24.231213
MCU Version	7.50
Power Source	battery
Battery	56%,59%

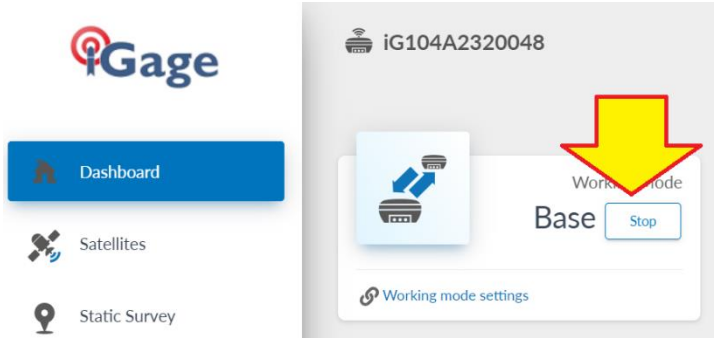
Below this is the 'GNSS Board' section with a table:

GNSS Board	
GNSS Model	UM980

A yellow arrow with the number '1' points to the 'Firmware Version' field in the Receiver table.

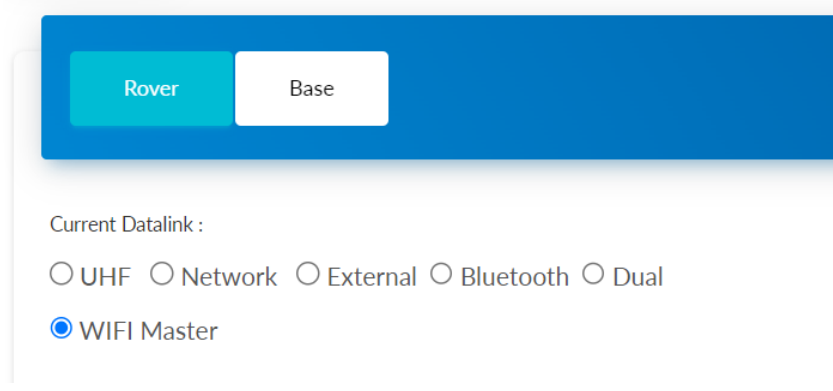
Configure Base

On the dashboard, stop the current base operation:



Then click on Working mode settings.

Select "WIFI Master"



Under 'Base setup':

Auto Start: YES
Data Type: RTCM3 MSM
SiteID: 1 (anything may work)
Pdop Thres: 99

Base Position: Single (this will do Read GPS, Choose Repeat if you want to specify)

Base setup

Automatically Start Base

NO YES

Data Type

RTCM3 MSM



Site ID

1

Pdop Threshold

99.00

[1-99]

Base Position

Single Repeat Position

3

Under 'Data link setup':

Connect mode is forced to **NTRIP+NTRIP CASTER**

Caster Address is forced to **192.168.10.1** (the device address)

Caster Port forced to **9100**

Set Mountpoint: **RTCM32** (this is a name, could be anything)

Set User: **user** (could be anything)

Set Password: **user** (could be anything)

Auto Connect: **YES** (evidently this is important)

Finally click **Save**

Data link setup

Connect Mode

NTRIP+NTRIP CASTER 

Caster Address

192.168.10.1

Caster Port

9100

Mountpoint

RTCM32

User

user

Password

••••

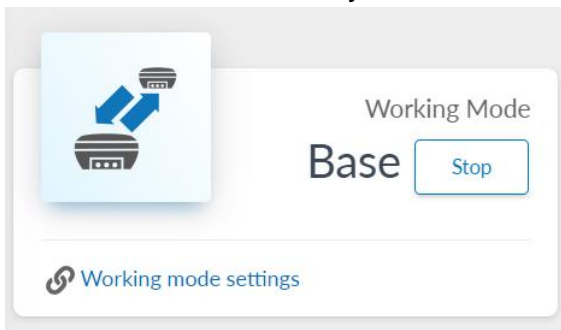
Auto Connect

NO YES

Save

Cancel

Go back to the Dashboard and verify that the base is running (the button will say Stop):



Note: sometimes I had to set **Auto Connect** to **NO**, then click **Save**, then set **Auto Connect** to **YES** and then click **Save**. Cycle if you get a red balloon at the top that says **Command not Supported**.

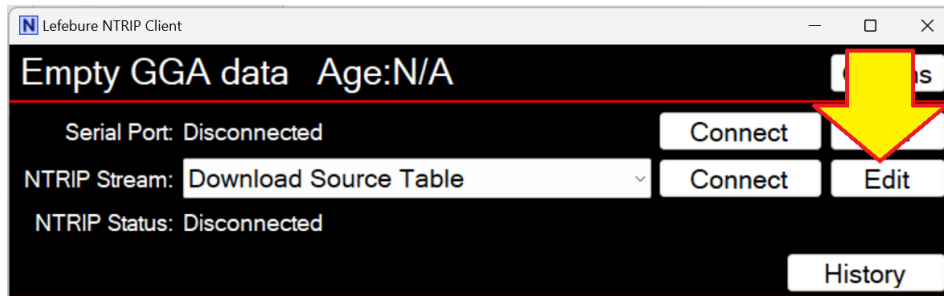
Verify that this really works

You can use any NTRIP Client to verify. This is the LeFabure NTRIP Client which you can download with this link:

<https://igage.com/out/NTRIPClient.exe>

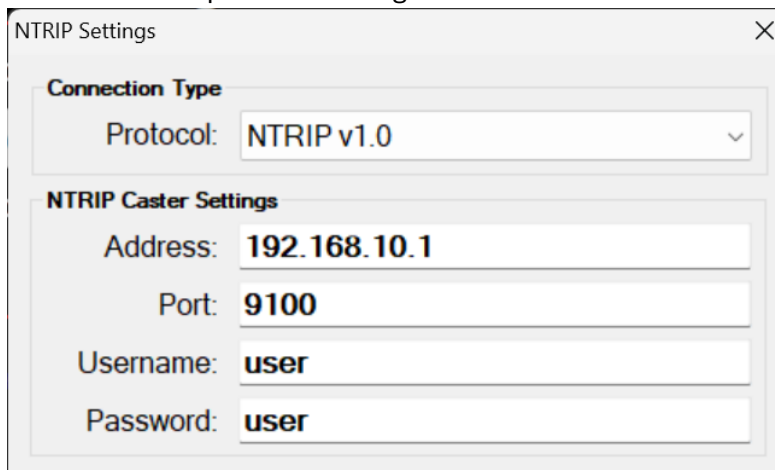
Note that this client requires some Microsoft tools which will automatically load, but you need a web connection to run the first time. (So get it going before leaving the office.)

Start the tool and click on the second **Edit** button:



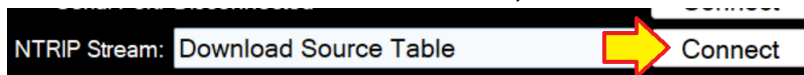
5

Configure to match the previous settings:



Click **OK**

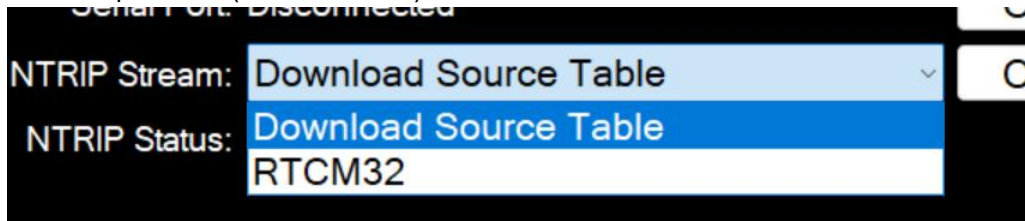
Set the **NTRIP Stream** to **Download Source Table**, then click **Connect**:



This will be the log:

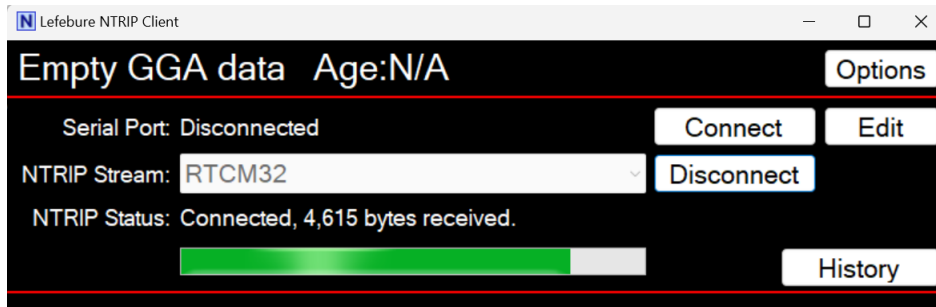
```
4:47:58 PM - NTRIP Client is attempting to connect.  
4:47:58 PM - NTRIP Client downloaded the Source Table.
```

Drop the mount point list (NTRIP Stream):



and choose **RTCM32** (we entered this in the previous setup).

Click Connect:



Data should start to flow and the green bar will animate left to right.

We can now be confident that a UAV Controller connected to the head by Wi-Fi will get data.

Congratulations!