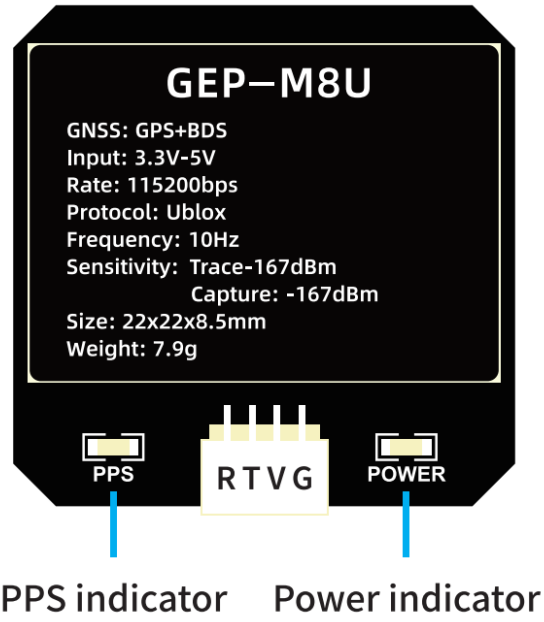

# GEPRC GEP-M8U Stable Connection Dual Mode Reception Power Supply User Manual



**GEP-M8U Stable Connection Dual Mode Reception**
**3-3v-5v Power Supply**


**Summary:**

GEP-M8U GPS module features a small size, lightweight, fast positioning, and stable connection. Suitable for FPV, model aircraft, and other products.

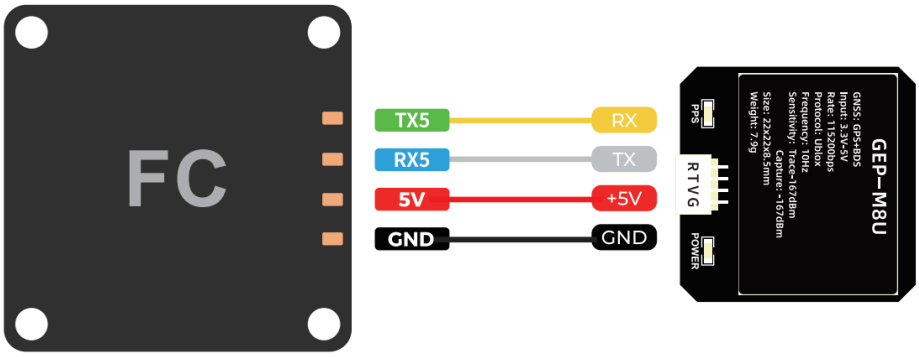

Contents



## Specification:

Model: GEP-M8U
Receiving Format: GPS, GLONASS, BDS (Choose GLONASS or BDS)
Input Voltage: 3.3V-5V
Receiving Channel: 72ch
Compass: None
Baud Rate: 115200bps
Output Connector: SH1.04Pin
Communication Protocol: UART
Output Protocol: UBLOX
Output Frequency: 10Hz
Speed Accuracy: 0.05 m / s
Receiving Sensitivity: Trace -162dBm, Capture-160dBm
Dynamic Characteristics : Max Height:50000m Max Speed:500m/s
Max Acceleration: 4G
Working Temperature: -40°C-85°C
Storage Temperature: -40°C-105°C
Size: 22mm x 22mm x 8mm
Weight: 7.9g

## Wiring Diagram:

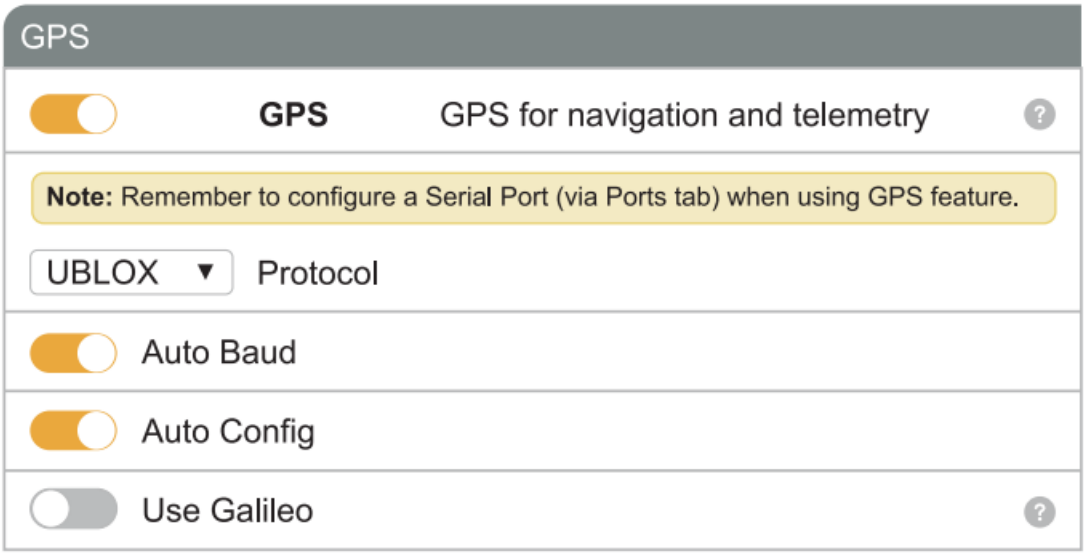



**Turn on GPS Settings:**

1. Turn on GPS on UART5 and set the baud rate to 115200bps.

| Identifier | Sensor Input | |
|---|---|---|
| USB VCP | Disabled ▼ | AUTO ▼ |
| UART5 | GPS ▼ | 115200 ▼ |

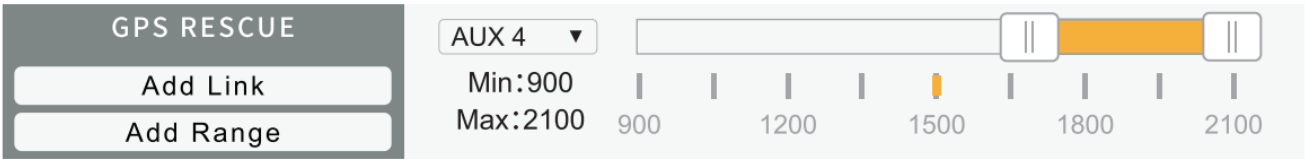
2. Open the configuration interface to enable GPS and select the UBLOX protocol.



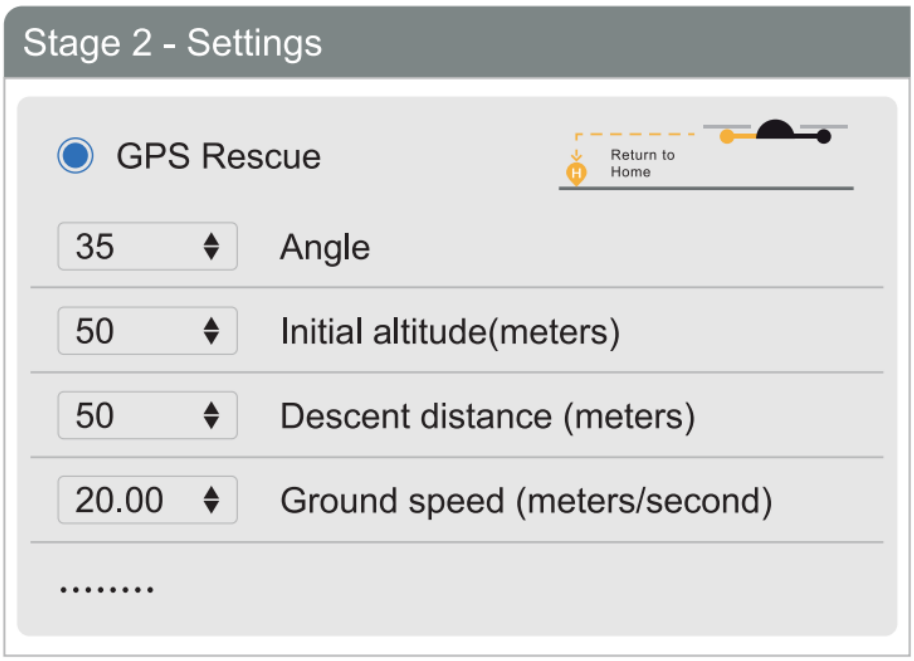

3. After the setting is completed, restart the flight controller. After the flight controller recognizes the GPS, the GPS logo will light up.


**Enable GPS RESCUE Settings:**

1. Under the modes option, enable GPS RESCUE and set the trigger switch.

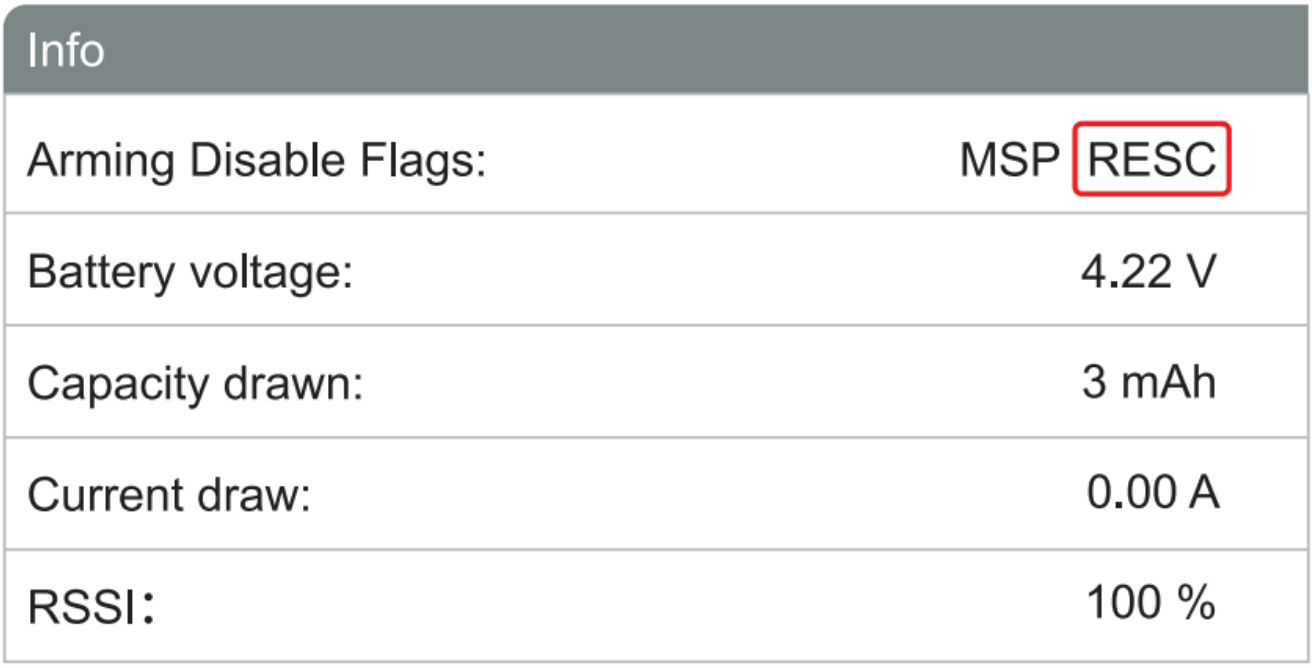



2. In the GPS RESCUE interface, set the options to be enabled.




**Test Rescue Mode:**

1. Removing the propellers then plug in battery.
2. Triggering the rescue switch and observing whether the Betaflight activates the Rescue mode.

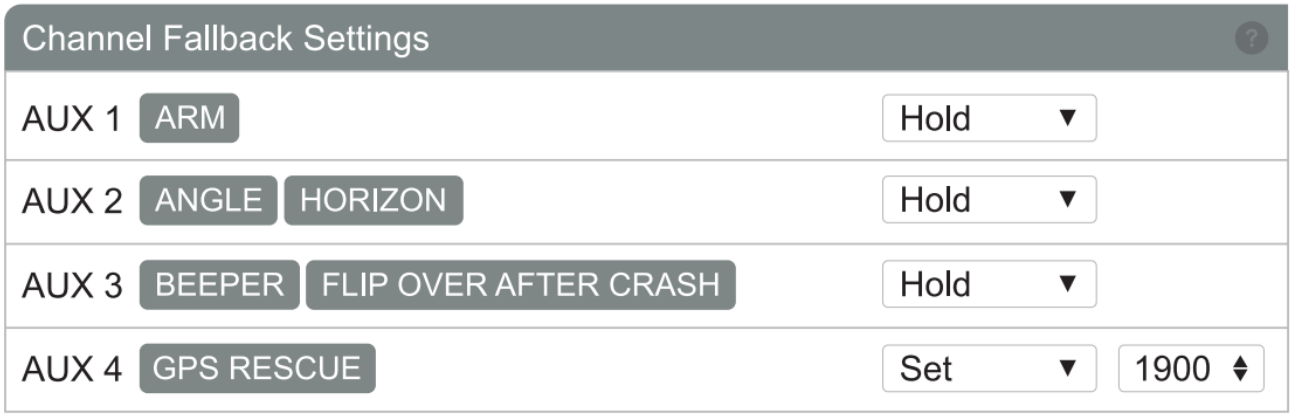



3. Rescue mode is activated normally, You can fly safely.

**Enable Channel Fallback Settings:**

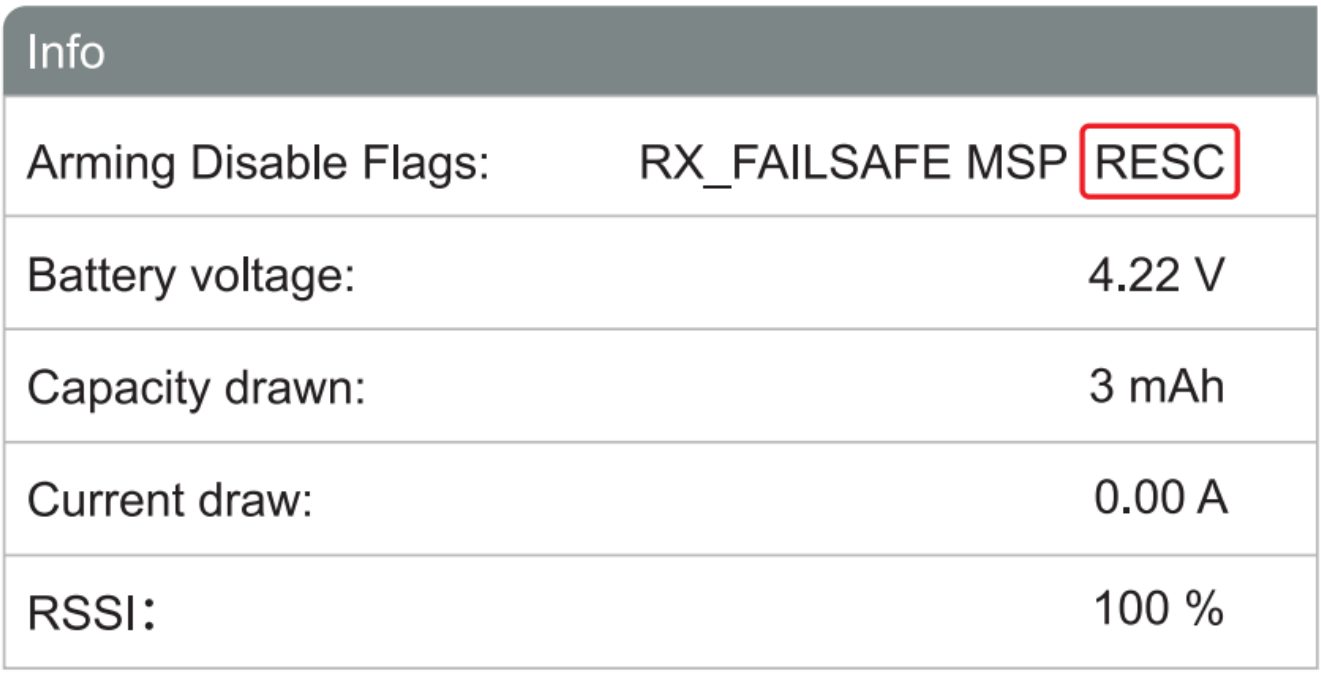
1. Preset channel settings, and set the GPS rescue switch to the value that triggers the GPS RESCUE.
2. When the drone loses the receiver signal, the flight controller will switch to the Channel Fallback Setting, that is

enter into GPS RESCUE mode.




**Test Channel Fallback Settings:**

1. Removing the propellers then plug in the battery.
2. Turn off the remote controller and observe whether the Betaflight activates the Rescue mode.




3. Rescue mode is activated normally, You can fly safely.

**Include:**
1 x GPS module
1 x SH1.0-4Pin cable
1 x GPS user manual
**Contact:** Website: [http://geprc.com](http://geprc.com)

| facebook | Official website | Instagram | Manual | YouTube |
|---|---|---|---|---|
| https://www.facebook.com/geprc/ | https://geprc.com | https://www.instagram.com/geprc/ | https://geprc.com/support | https://www.youtube.com/channel/UCiO4BcKHJfh3UfcM9Zy4D7Q |

## Documents / Resources

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|---|---|
|   | GEPRC GEP-M8U Stable Connection Dual Mode Reception Power Supply [pdf] User Manual<br>GEP-M8U Stable Connection Dual Mode Reception Power Supply, GEP-M8U, Stable Connection Dual Mode Reception Power Supply, Power Suppl, 3.3V to 5V Power Supply |