Description
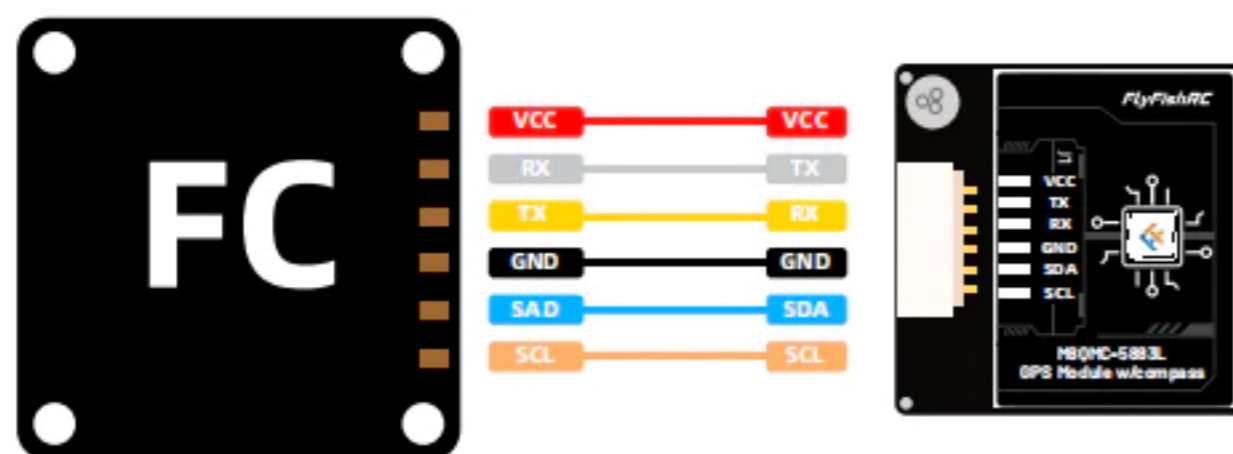
The FlyfishRC-M8QMC is a small size, fast positioning, easy-to-use GPS. It adopts 18*18mm RHCP ceramic patch antenna that provides excellent reception capability and a highly stable connectivity. The built-in QMC5883L high-precision magnetometer provides precise azimuth pointing, and the UBLOX10 generation chip allows subtle altitude changes to be skipped for more stability. Ideal for use with FPV drones, multi-rotors, fixed wing and other model products.

Specification

GPS patch antenna size: 18 x 18 mm
Total dimensions: 20 x 20 x 11 mm
Weight: 8.8g
Input Voltage: 3.3V-5V, current 25mA
GPS pin definition: RX/TX UART
Compass pin definition: SDA/SLA

Front   Back

Wiring

FC		GPS
VCC	—	VCC
RX	—	TX
TX	—	RX
GND	—	GND
SAD	—	SDA
SCL	—	SCL

Setup GPS in Betaflight

1.Enter the Ports tab in BF, select GPS in the Sensor input of UART4 and change the baud rate to 57600bps. Click Save.

Open Betaflight Configurator → Go to the Ports tab → Refer to the picture above for settings

(Right column)

2.Enter the Configuration tab, enable GPS, select the UBLOX protocol, enable Auto baud rate and Auto config and click Save.(BF4.3 firmware version or above only)

3.Reconnect the flight controller. For the GPS to work properly,an additional power supply may be needed. Plug your battery into your aircraft(please take off the props before plugging in LiPo), and pay attention to the BF status bar.The GPS icon will light up,indicating that the GPS is now "talking"to your flight controller.
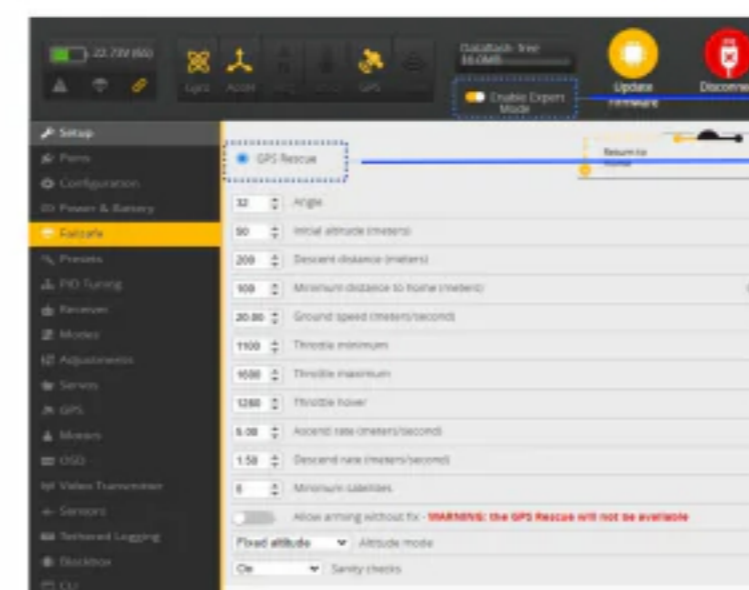
Gyro   Accel   Mag   Baro   GPS   Sonar

Settings GPS RESCUE

1.In the Modes tab, add GPS RESCUE mode, and set your desired AUX channel.

2.Enable Expert Mode in BF, go to the Failsafe tab and set the relevant parameters of GPS rescue.

In order to access the Failsafe tab, Expert mode has to be toggled on.

Changed Phase ll failsafe protection to GPS rescue.

3.Set the GPS RESCUE mode in the Channel fallback settings to a value that can trigger a rescue.(check the value in the Modes tab)