

# GPS Rescue Mode // Setup(1)

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Please checkout the Betaflight github documentation about GPS rescue before using it to fully understand it's functionality:

<https://github.com/betaflight/betaflight/wiki/GPS-rescue-mode>

Joshua Bardwell also released a video with loads of information about this feature:

[https://www.youtube.com/watch?v=B\\_YI0wqRf68](https://www.youtube.com/watch?v=B_YI0wqRf68)

Below our flyers that come with every GPS pre-installed BNF to make your FPV journey as easy and safe as possible!

## Betaflight Configurator // Failsafe tab Betaflight 4.2.X default parameters

Land

1000 Throttle value used while landing

10 Delay for turning off the Motors during Failsafe [1=0.1sec.]

**GPS Rescue**

32 Angle

50 Initial altitude(meters)

200 Descent distance(meters)

20.00 Ground speed(meters/second)

1100 Throttle minu

1600 Throttle maximum

1280 Throttle hover

5.00 Ascend rate(meters/second)

1.50 Descend rate(meters/second)

8 Minimum satellites

Allow arming without fix-**WARNING:the GPS Rescue will not be available**

Maximum altitude Altitude mode

On Sanity checks

## ⚠️ GPS Rescue Mode // Setup

Please read carefully and customize settings if necessary

01



GPS Rescue is OFF by default to prevent from unwanted or unexpected drone behavior. Please carefully study the Betaflight Wiki on <https://github.com/betaflight/betaflight/wiki/GPS-rescue-mode> and setup an AUX switch for first tests in line of sight and safe environment!

02



Enable Expert Mode in the Betaflight Configurator to access the Failsafe tab and configure the GPS Rescue feature. Default setup needs at least 8 satellites before you're able to arm, unless you adapt the settings. At this point in time, DJI digital FPV can't display OSD messages (for example if GSP Rescue is not available). Analog FPV does!

03



Quote BF: "GPS Rescue Mode is intended to bring your quad back autonomously in case of an emergency such as loss of video or radio link. The only purpose of GPS Rescue is to bring the quad back into range so you can retake control as soon as possible. GPS Rescue IS NOT a full "Return To Home" (RTH) function."

04



Fly in a straight line for at least 100 meters past your descent distance, make sure the home arrow is pointing at your direction to confirm correct GPS functionality. Manually activate GPS rescue mode and study it's behaviour.

05



GPS performance (search speed and the amount of satellites found) greatly depends on the environment you're in. Bad weather and obstructed areas will give you fewer satellites and a fewer accuracy that might not work reliably before take-off or even in-flight. Always make sure not to bring yourself or others in danger!

Thanks for reading