

GPS /

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UBlox GPS +

UBlox GPS + Compass ArduPilot GPS.
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[../././images/gps-connection.jpg_](#)

PIXHAWK : PIXHAWK Pixhawk

GPS 6-pin DF13 Pixhawk "GPS" I2C 4 I2C I2C

../../images/pixhawk_with_dual_gps.jpg

2GPS **GPS Blending page ** page .

PIXHAWK

baud UBlox (SERIAL4 BAUD = 38 is ignored).

PIXHAWK

ArduPilot supports many attached compasses, but only up to 3 compasses can be used during operation. See **common-compass-setup-advanced**.

Mounting the GPS Module

This module permits the GPS to be mounted separately from the flight control module so that it can have the best clear (view) of the sky and allows the compass to be distanced from interfering magnetic fields.

PIXHAWK

The recommended orientation is to mount the module with the arrow facing toward the front of the vehicle and in the same direction as the arrow on the autopilot.

When mounting the GPS+Compass module:

- Place the module on the outside of your vehicle (in an elevated position if appropriate) with a clear view of the sky, as far as possible from the motors and ESCs, with the arrow facing forward.
- Distance the module from DC power wiring and the batteries by at least 10cm. Use of a GPS mast is highly recommended.

../../images/gps-mast.jpg

- ../../../../images/GPS_sampleMouting.jpg

****Compass Calibration in Mission Planner **** explains the simplest way to calibrate a compass mounted in the recommended orientation (arrows for autopilot and compass facing to front of vehicle).

LED Indicators

LEDs:	Behavior:
Power	Solid red when powered
GPS lock	Flashing blue when 3D GPS lock acquired

Advanced configuration of the UBlox GPS's internal settings is documented in ****UBlox GPS Configuration****. But this is never used by the average user. ArduPilot automatically configures the gps during initialization.



