



GyroPilot and GP + Quick Start Guide



Thank you for purchasing a Navicom Dynamics GyroPilot. This sheet is intended as a quick-start guide for first-time use. For a full operator's manual, please login to www.navicomdynamics.com.

A GLANCE AT GyroPilot

- GyroPilot unit
- GyroPilot to AIS Pilot Plug data and charging cable
- GyroPilot dry-pouch carry bag
- GyroPilot + (Optional)
- Mains to USB power supply unit (with various country adapters)

CHARGING & TURNING ON

We recommended that you fully charge the GyroPilot unit before its first use. In order to do this:

- Plug the USB cable into the power supply unit then plug the power supply unit into the mains.
- Plug the AIS Pilot Plug into the GyroPilot.
- Observe the LED on the front of the GyroPilot – solid blue means the unit is charging.

NOTE: If the unit is in **storage**, it is recommended to store the unit at **half charge** and to **recharge** at least once every **month**.

A firm press of the power button for around 3 seconds is required for switching the unit *on* and *off*. The unit will produce three audible clicks when turned on.

WIRELESS CONNECTION (BT & Wi-Fi)

For Wi-Fi, connect to the SSID that matches the GyroPilot serial number i.e. 'GP3000' then gather data from IP address: **192.168.10.10 / port 5003**

For Bluetooth versions, connect to the device's virtual COM port. Once a connection is established, the link LED will change to blue.

SETUP & OPERATION

1. With the GyroPilot switched *off*, place it on a flat surface in the required location, and connect it to the vessel's Pilot Plug using the cable supplied.
2. Switch the device *on*. From this point onwards, do not touch the GyroPilot, as this will disturb the gyro, resulting in incorrect readings.
3. Once the GyroPilot has locked onto AIS signals from the Pilot Plug and has calibrated its gyro (30 seconds), it will begin sending the following data to the laptop or tablet over the wireless connection:

- all AIS messages received from the Pilot Plug (AIVDO & AIVDM)
- rate-of-turn and smoothed heading readings in NMEA format

HANDY TIP: In situations where AIS is not available, the GyroPilot has the ability to use its own on-board GNSS receiver to provide low-accuracy position for emergency use.

SETUP WITH THE GyroPilot +

GyroPilot + is an add-on module and acts as a GNSS antenna, providing independent and highly accurate position data. It is recommended to place the unit on the bridge wing with a clear view of sky.

Place the GyroPilot into pairing mode by holding the Configuration button for 3 seconds. Then on the GyroPilot +, hold the configuration button until the GNSS LED flashes red and blue. Both units will automatically pair and the LED will change to blue. It is important to note the physical position and enter the position and heading offsets into your charting software.





GyroPilot Battery Indicator:

Green Solid		Battery Medium to Full (>40%) or fully charged
Orange Solid		Battery Low to Medium (20% to 40%)
Red Solid		Battery Low (<20%)
Blue Solid		Battery Charging

GyroPilot Connection LED Indicator:

AIS Status:

BT/Wi-Fi Status:

Red and Yellow Flashing		No AIS Data	No connection
Blue and Red Flashing		No AIS Data	Connection established
Blue and Yellow Flashing		AIS Searching	Connection established
Blue Solid (normal operation)		AIS Locked	Connection established



GyroPilot GNSS LED Indicator Behaviour:

Red Solid		No AIS Data	No GPS
Green Solid		AIS LOCKED	
Yellow Flashing		Backup GPS	No Lock
Yellow Solid		Back up GPS	Locked
Blue Flashing		External GPS	No Lock
Blue Solid		External GPS	Locked




GyroPilot + Battery Indicator:

Green Solid		Battery Medium to Full (>40%) or fully charged
Orange Solid		Battery Low to Medium (20% to 40%)
Red Solid		Battery Low (<20%)
Blue Solid		Battery Charging

GyroPilot + Connection LED Indicator:

Blue and Red Flashing		Bluetooth Discoverable and Pairable
Blue Solid (normal operation)		Connection established

GyroPilot + GNSS LED Indicator:

Red Solid		No Position information
Green Flashing		Acquiring a position
Blue Solid		Acquired a position