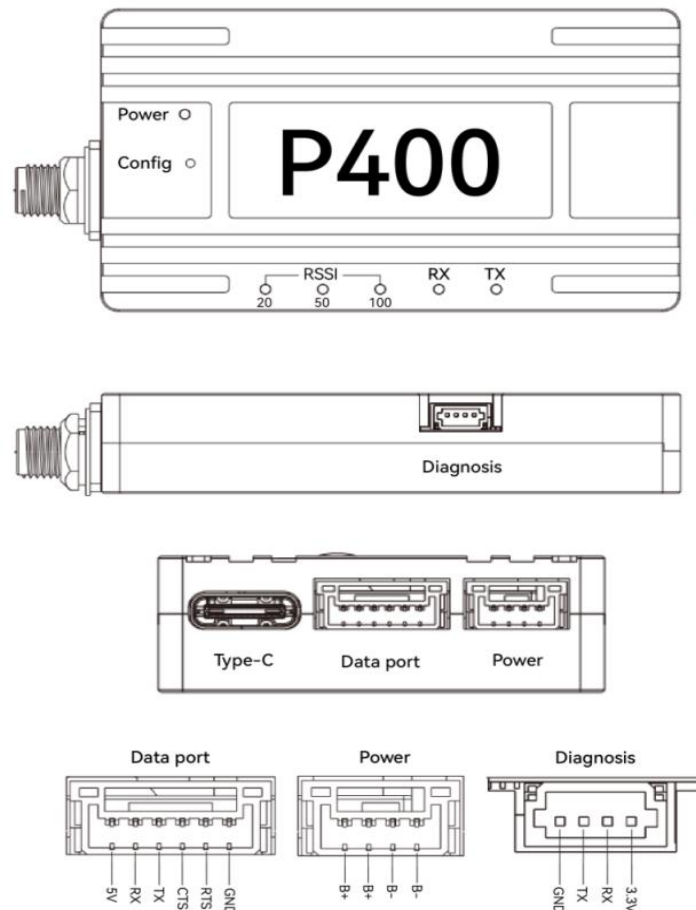


P400 Product Manual

The Holybro Microhard Telemetry Radio integrates a microhard Pico series RF module that is capable of providing high performance wireless serial communications in a robust topology.

It uses Frequency Hopping Spread Spectrum (FHSS) technology to provide reliable wireless asynchronous data transmission between most device types that employ serial interfaces, and the P400 operates in the 410-480MHz



range.

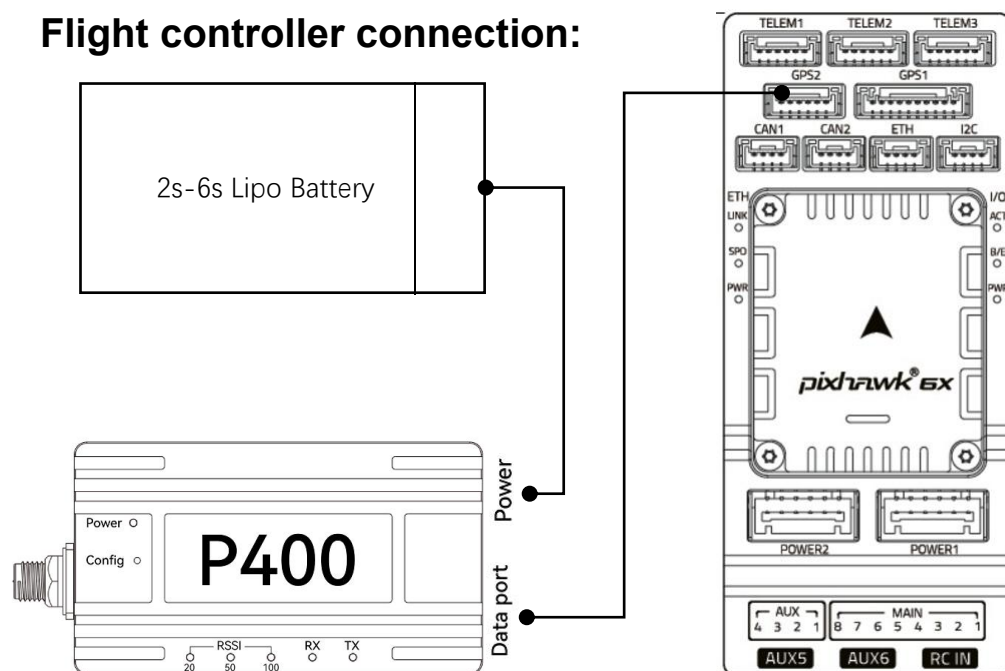
Feature:

- USB Type-C connector, integrated USB to UART converter
- 6 pin JST-GH connector, can be connected to any Pixhawk style TELEM port
- Hight voltage BEC, support DC7~35V voltage input
- UART LED indicator
- RSSI LED indicator

Specification:

	P400
Frequency Range	410 to 480 MHz
Transmit Power (Software Adjustable)	100mW to 1W (20-30dBm)
Link Rate	Up to 345 kbps
Serial Baud Rate	300 bps to 230 kbps
Range	Up to 60 miles (100 km)@19.2kbps
Spreading Method	Frequency Hopping, GMSK, 2GFSK, 4GFSK, QPSK
Operating Modes	Point-to-Point, Point-to-Multipoint, store & Forward Repeater, Peer-to-Peer
Input Voltage	DC7~35V (4-position JST-GH)
Power Consumption	Sleep < 1mA, Idle 5mA Rx: 40mA to 100mA, Tx : 1250mA to 1500mA
Error Detection	32 bits of CRC, ARQ
Weight	44g (without antenna) 67g (with antenna)

Flight controller connection:

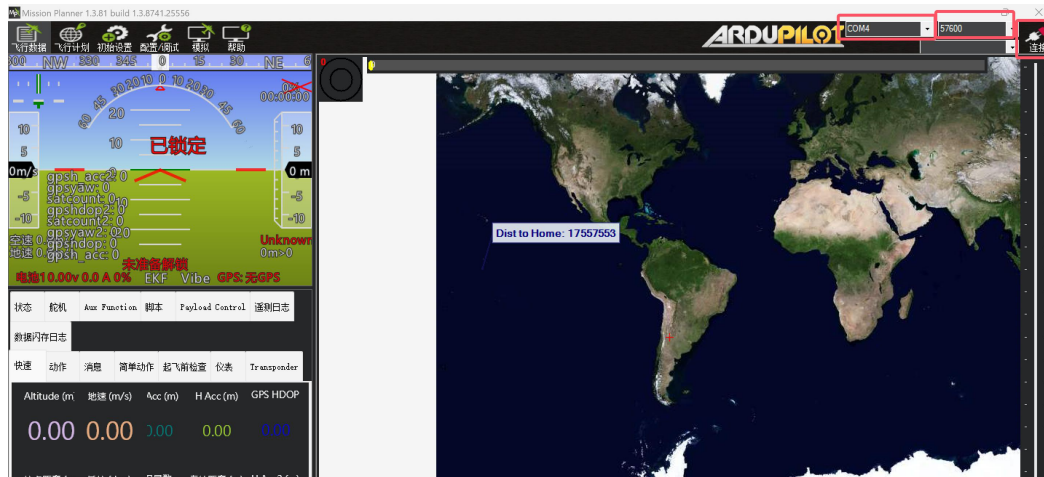


- Connect TELEM1/TELEM2/TELEM3 to the telemetry radio Data port with the provided cable

Establish connection with ground station:

Mission Planner

- After connecting the hardware, select the corresponding device port, set the baud rate to 57600, and click Connect.



QGroundcontrol

- After connecting the hardware, open the QGC ground station and it will automatically connect.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, according to Part 15 of the FCC Rules. These limits are designed

to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 76 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.