

Zubax GNSS 2 Hardware Setup & Configuration Guide for Pixhawk Users

About this document: This guide is not meant to be a comprehensive user manual, but instead is designed to guide the first-time user with basic hardware setup considerations and allow the user to understand what peripherals might be desirable to have on hand before installation.

I. Connecting to the Pixhawk

Option A: For non-redundant communication, connect a JST GH patch cable to either of the CAN 1 ports and then connect a JST GH Micro Termination Plug to the other CAN 1 port. Leave both CAN 2 ports empty.

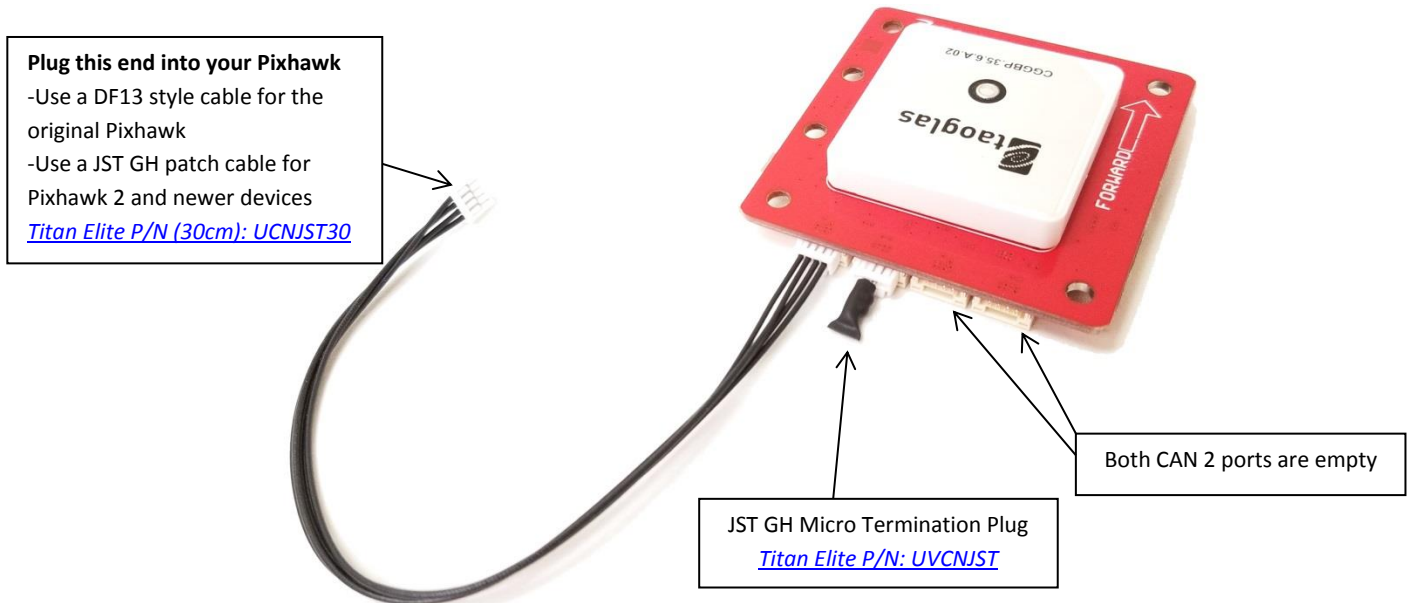


Image: Basic, non-redundant connection to autopilot

Option B: For non-redundant communication and or for use with additional UAVCAN accessories (such as the Orel 20 or Myxa ESCs), plug a JST GH Micro Termination Plug into either the first or last node (device). Next connect each UAVCAN device with a JST GH patch cable, daisy-chaining each device via the CAN 1 ports. Leave the CAN 2 ports empty.

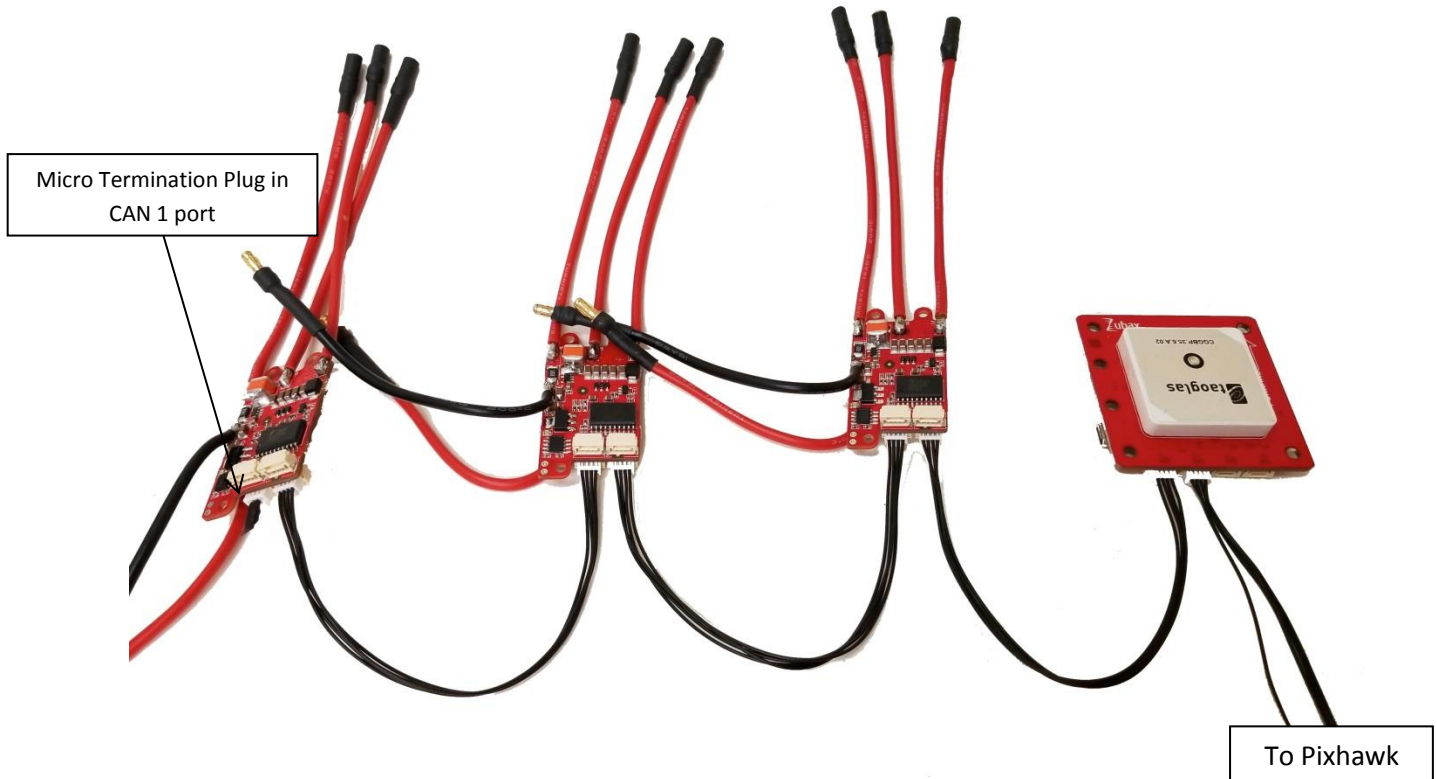


Image: Basic, non-redundant connection between multiple UAVCAN devices and an autopilot

Option C: For redundant communication, repeat the steps above. Instead of leaving all CAN 2 ports empty, add one JST GH Micro Termination Plug to a CAN 2 port and add JST GH Patch Cables to each of the remaining CAN 2 ports in a way that connects all of your UAVCAN devices.

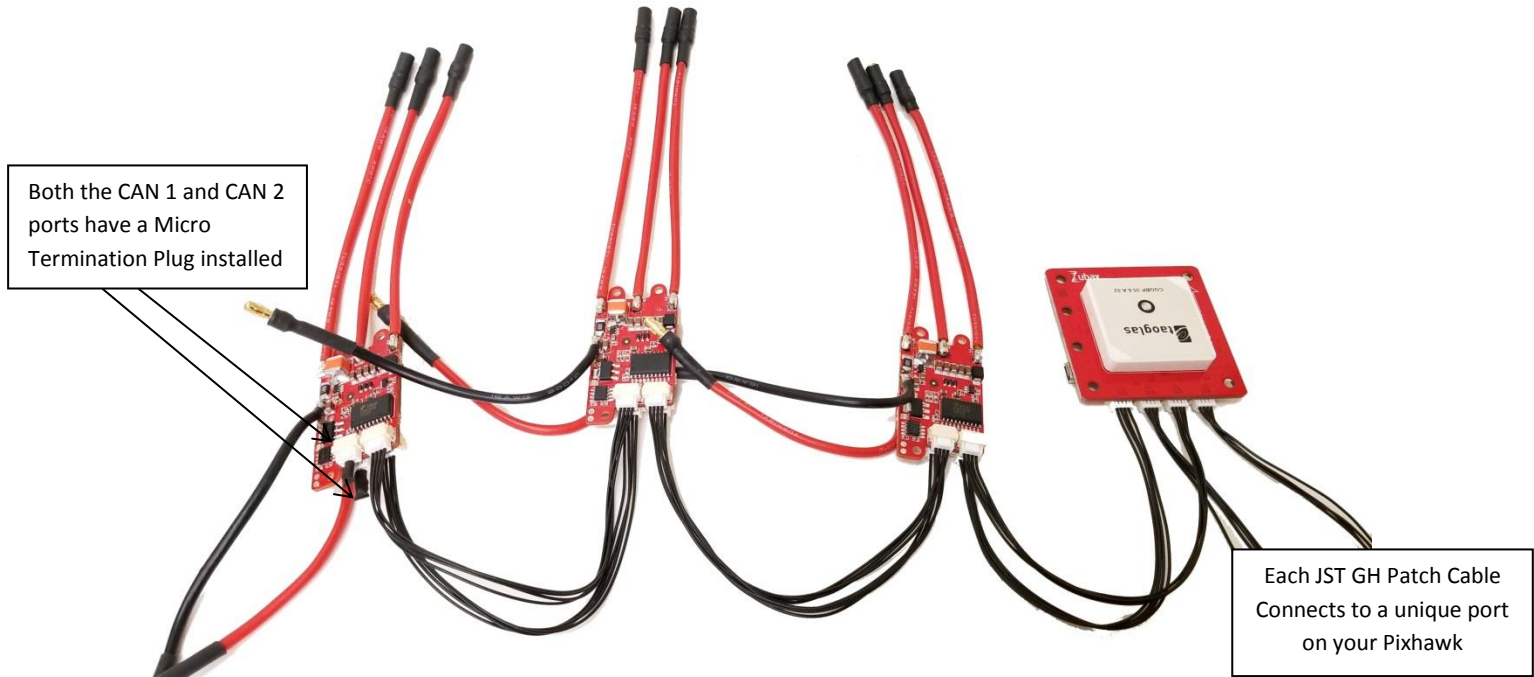
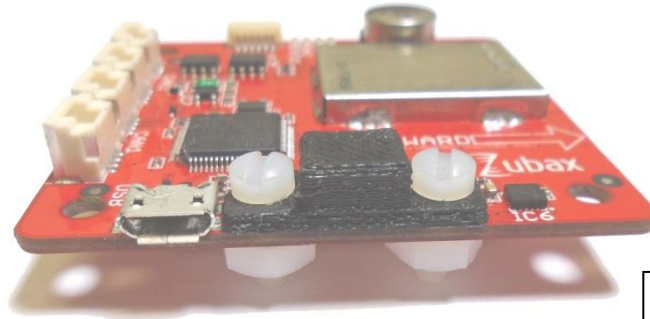


Image: Redundant connection between multiple UAVCAN devices and an autopilot

II. **Add barometer cover** (highly advised if barometer has been enabled)

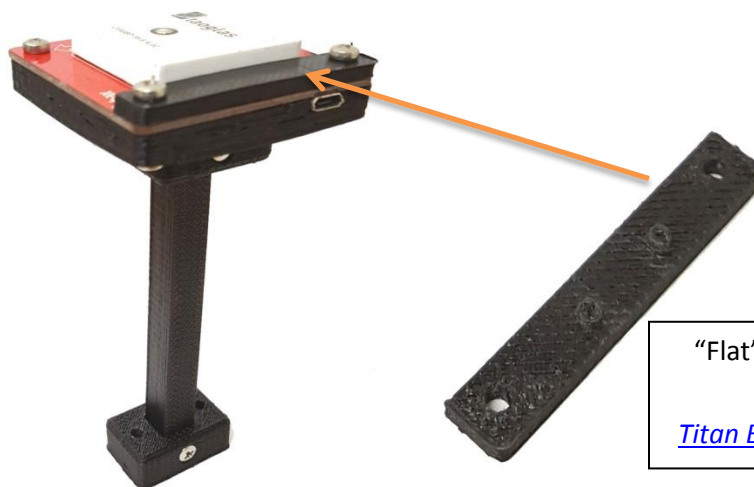
Option A: If using your own GNSS mast accessory, consider the 3D printed standalone accessory manufactured by Titan Elite.



Standalone Barometer Cover
[Titan Elite P/N: Z3DBCK](#)



Option B: If using the Zubax GNSS 2 elevation mast kit manufactured by Titan Elite, use the included “flat style” barometer cover



“Flat” Barometer Cover Included with the
GNSS 2 Mast Kit
[Titan Elite P/N \(kit\): TTNH2218 or TTNH2210](#)

For more information or for integration support, contact Zubax Robotics:



Zubax Website: <https://zubax.com/>

Zubax Support Forum: <https://forum.zubax.com/>

Zubax GNSS 2 Product Page: https://zubax.com/products/gnss_2