

PRONAV ANGLER INSTALLATION GUIDE



The following instructions cover basic installation on a motor that does not require an upgrade kit. If you are upgrading a motor that requires an upgrade kit (ie. motor with AutoPilot, iPilot, legacy PowerDrive and 12 volt Terrova models) there will be additional instructions included in the upgrade kit. Motors equipped with Co-Pilot, including all Minn Kota Riptide models, require additional tasks in Step 6.

1. We strongly suggest watching the ProNav Angler Installation Overview video on our website (www.pronavmarine.com/articles/angler-installation-overview) or directly through the ProNav Angler App→Main Menu→Tutorials. This will take just two minutes and can save you time and potential frustration.
2. Open the head of the trolling motor by removing the top cover. Verify that there are no AutoPilot or iPilot components and that the red and black power wires are twisted together and to one side, as shown. Failing to complete this step can result in excessive electromagnetic interference, which will adversely impact the accuracy of your ProNav system.
 - Note: If you discover any AutoPilot or iPilot components, they must be removed and an upgrade kit will be required. Visit www.pronavmarine.com to learn more.

Step 1.



Step 2.



Wires should be twisted together to eliminate magnetic interference. Route wires to the RIGHT of the head.



Wires spread apart can cause erratic behavior of the ProNav Angler

The ProNav Marine team is committed to your success on the water. We're here to help and answer any questions you might have.

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PRO NAV™

PRONAV ANGLER INSTALLATION GUIDE (CONT.)

3. Remove thumb screw and clamp pin from GPS unit. Wrap appropriate sizing sleeve around the motor shaft below the motor head. Close clamp around the sizing sleeve. Reinsert the clamp pin and partially tighten thumb screw.
4. Ensure the GPS unit is a minimum of 6" above the adjustable depth collar and 1" down from the motor head to avoid magnetic interference from the electric steering motor (if you cannot ensure this recommended amount of clearance, contact Support for alternate mounting options). Align GPS unit with motor head and tighten thumb screw. It needs to be snug, but do not overtighten.
5. Route Control Unit plug B through motor's coiled wire and connect to GPS Unit plug A. Connect Control Unit plug C to Power Cable plug D. Do not connect the terminal end of the Power Cable to the battery yet.
6. Connect Control Unit plug E to the foot pedal connection on the motor base. Optional but recommended - connect your foot pedal to Control Unit plug F to retain manual control. Note: the foot pedal center thrust button functions as an autopilot shutoff. (Co-Pilot installation requires additional connection steps. See video tutorial here: www.pronavmarine.com/articles/copilot-installation)
7. Disconnect trolling motor power cables from battery. Connect ProNav power cables to the battery using the same terminals the trolling motor uses. Reconnect trolling motor power cables to battery.
 - Note: ProNav system will draw a small amount of current at all times when connected, thus it is recommended for long term storage greater than 1 week to disconnect ProNav between Control Unit plug C and Power Cable plug D or from batteries (not necessary if batteries are kept on a charger).
 - Optional quick disconnect installation: splice ProNav power cable with trolling motor plug, www.pronavmarine.com/articles/splice-power-cable

Steps 3-4.

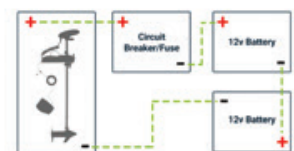


Steps 5-6.

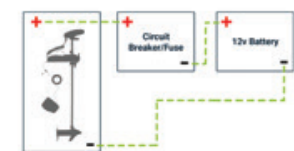


Step 7. Connect ProNav unit and trolling motor to same terminals

24V SYSTEM



12V SYSTEM



FUNCTION TEST:

Prior to hitting the water for the first time, safely deploy your trolling motor making sure it is free from obstructions and perform a brief function test with the ProNav Angler App. Connect App to ProNav Angler, turn motor left/right, prop on/off, thrust +/-, and make sure you have foot pedal and/or Co-Pilot control if you have them.

If you have a foot pedal connected, it must be in MOM (momentary) when using ProNav. ProNav functions will not work correctly if your foot pedal is on CON (continuous) state.

Reminder: you will still need to calibrate your device on the water prior to using anchor, route or heading lock modes. Refer to the calibration section.

Note: it is recommended to use dielectric grease on all terminals to prevent corrosion, especially if using ProNav in a saltwater environment.

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