PRO NAV™
motion

THANK YOU!

Thank you for your purchase! ProNav Marine is a company founded by fishermen, for fishermen. We assemble and test every ProNav Angler and Motion Controller at our facilities in the Upper Peninsula of Michigan. ProNav Anglers and Motion Controllers are warrantied against defects for two years.

We are so confident that ProNav's Angler and Motion Controller will take your fishing experience to the next level, it is backed by our industry leading 1 year satisfaction guarantee.

Use it for a full year—if you are not satisfied with your purchase, we will buy it back! (Product registration within 30 days of purchase is required for the satisfaction guarantee)

Neil Anderson, COO   Nels Benda, CTO   Travis White, CEO

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

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PRO NAV™

FEATURE OVERVIEW

Battery Charging Status Indicator Light
Solid = charging, off = fully charged
Blinking = battery fault (unplug and replug to reset)

Button Press
No flash = sleep mode or dead battery
Single flash = button press

Mark Spot
Save current location to the ProNav App. (Feature coming soon with future firmware update)

Play/Pause
Pause and resume current mode. (Feature coming soon with future firmware update)

GPS Anchor
Hold boat in its current location. When in anchor mode, use PointJog to adjust anchor location.

Bluetooth
Connect remote to the ProNav Angler. Short press wakes remote from sleep mode. Press and hold puts remote into pairing mode.

Drive PointDrive™ and PointJog™
PointDrive can be used to change heading and PointJog can be used to change anchor location by simply pointing the remote in the direction you want to go and pressing. Not active for manual controls. Requires calibration.
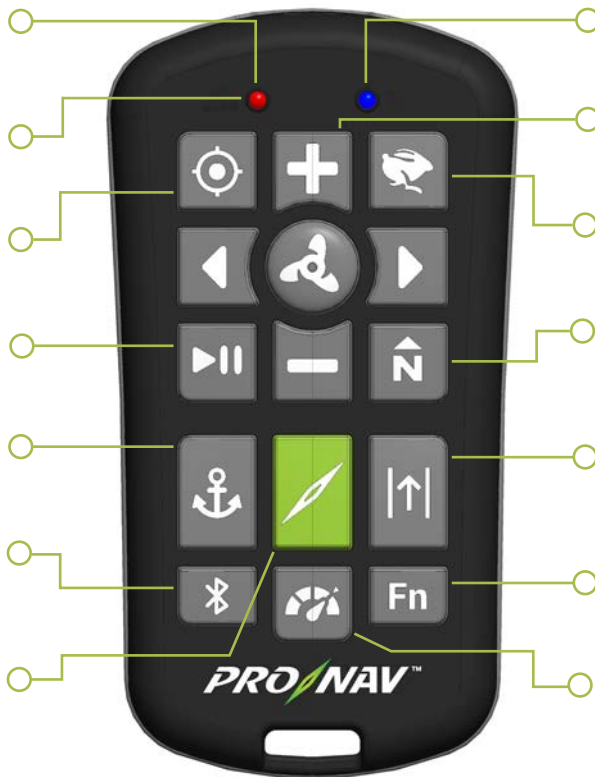
Bluetooth Status Indicator Light
Blinking = pairing
Solid = connected

Manual Controls
Increase or decrease thrust or speed, turn left or right, turn the prop on and off.

Rapid Speed
Rapid speed adjustment. Toggle between current / maximum motor speed.

Compass Heading Lock
Lock current compass heading. Quickly change heading using PointDrive or using manual control left / right buttons.

GPS Vector Lock
Lock current course over ground. Adjust course over ground using PointDrive or using manual control left / right buttons.

Function
Multi-function key that allows combined key presses for future expansion.

Cruise Control
Lock current speed.
(Feature coming soon with future firmware update)

SETUP AND CONNECTION

Watch video tutorials at: pronavmarine.com/getting-started

Device will be in "sleep mode" (low power state) upon arrival and will have a full charge.

Note: If remote was purchased as a bundle with the ProNav Angler, it will arrive paired to the ProNav Angler and Initial Setup step can be skipped.

Initial Setup (network configuration required prior to first use)

1. Open the ProNav App on your mobile device.
2. Press "Connect" ⚹ in the lower left corner of App screen.
3. Select "ProNav Central" from the device list that appears on App screen.
4. Select "Network Settings" in the Main App Menu ☰ in the top left of App screen.
5. Wake up remote by pressing the Bluetooth button ⚹ on the remote. The remote will go into startup mode.
6. Within 30 seconds of startup, hold the Bluetooth button ⚹ on the remote until the blue indicator light starts blinking (indicating connection mode).
7. In the ProNav App press "Add Your ProNav Remote".
8. Select "ProNav Remote" from device list.
- **Android Users:** You are required to enter a desired name such as "Remote 1" for your remote. To finish the pairing press "Set Remote".
- **iOS Users:** You are not required to enter a name for your remote. To finish the pairing hold down the Bluetooth button on your remote until the blue indicator light flashes once then turns solid blue.

Remote is now paired to your ProNav Angler.

Turning Remote ON (startup mode)

1. Press the Bluetooth button ⚹ . The remote will go into startup mode.
2. Once the remote is on any button press will be indicated by a flash of the red indicator light.
3. Remote will automatically turn off after 30 seconds if "Connection to ProNav Angler" (step below) is not attempted.

Connection to ProNav Angler (after Initial Setup step has been completed)

1. Within 30 seconds of startup, put remote into connection mode by holding the Bluetooth button ⚹ until the blue indicator light starts blinking.
2. If you do not enter connection mode within 30 seconds of startup, the remote will return to sleep mode. (Start process over)
3. Once connected the blue light will turn solid.
4. Connection mode will time out after 2 minutes if not successful. The remote will return to sleep mode. (Start process over)

Turning Remote OFF (sleep mode)

1. Press and hold the Mark ◎ and Rabbit 🐇 buttons simultaneously until the red indicator light flashes quickly.
2. During normal operation, remote will automatically turn off if no buttons have been pressed within 1 hour.

FEATURES

Bluetooth: Turns on and connects remote to the ProNav Angler.

How to Use

1. Press and release [Bluetooth icon] to wake up remote / turn remote on (startup mode).
2. Press and hold [Bluetooth icon] while in startup mode until the blue indicator light turns solid, indicating remote is connected to the ProNav Angler. (Reference Setup and Connection Guide for initial setup)

Rapid Speed: Toggles thrust between current setting and maximum.

How to Use

1. Function requires prop to be on.
2. Press and release [Rapid Speed icon] to increase motor to maximum thrust.
3. Press and release [Rapid Speed icon] again to quickly return back to prior thrust setting.

Function: Multi-function key allows combined key presses for future expansion.

GPS Anchor: Engages anchor mode to hold boat in current GPS location. Motor will automatically adjust thrust and direction to stay on desired spot.

How to Use

1. Press and release [anchor icon] to hold boat in current GPS location.
2. Adjust location using PointJog.
3. Use prop on / off to disengage mode.

Notes

• For best results stop all forward momentum prior to pressing button.
• Left / right manual control can be used to unwrap wires around shaft without disengaging anchor mode.
• Reference knowledgebase articles on our website for more information.

Feature Tip: Recommended Anchoring: See images on next page for a comparison of anchoring practices. In the event excessive cord wrapping around motor shaft occurs (two or more wraps), use the left/right manual controls or the foot pedal left/right controls to unwrap your cord from around your motor shaft without losing your anchor point.

IMPORTANT: Use of Sonar Transducer Motor Attachments: It is not recommended to use an external transducer cable on a trolling motor with any autopilot in place due to the potential wrapping issues that may occur. If you plan to use an external transducer, it is recommended to use the ProNav transducer cable saver to prevent damage of sonar transducer cable. This accessory is available at pronavmarine.com/transducer-cable-saver.

RECOMMENDED ANCHORING
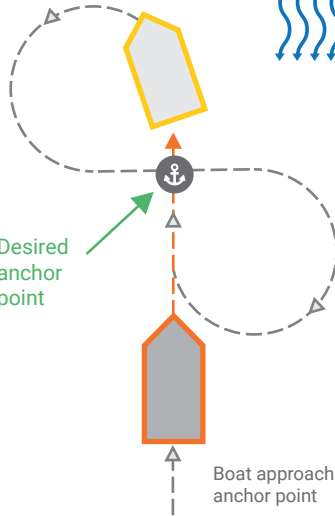

WIND/CURRENT/WAVES

Desired anchor point
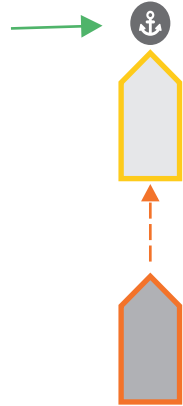
Recommended Anchoring: Approach slowly and set anchor after forward momentum has stopped. To stop forward momentum, use reverse thrust or wind/current/waves.
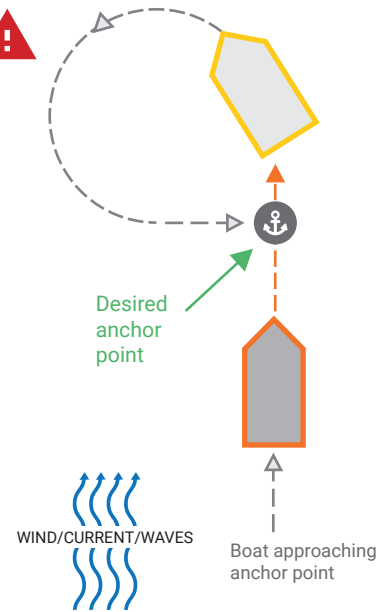
WIND/CURRENT/WAVES

Desired anchor point

Boat approaching anchor point

CAUTION: Setting anchor with forward momentum will cause the boat to overshoot and circle back to the anchor point and may result in motor cord wrapping.

Desired anchor point

WIND/CURRENT/WAVES

Boat approaching anchor point

CAUTION: Setting anchor with wind/waves/current at your stern will cause the boat to overshoot and circle back to the anchor point and may result in motor cord wrapping.

FEATURES

GPS Vector Lock: Locks current course over ground (COG). Motor automatically adjusts heading to hold course against wind and waves, or current. Boat will align with prevailing conditions, but desired course will stay constant as long as thrust is set high enough to overcome the elements.

How to Use

1. Press and release ⬆ to lock current COG.
2. Adjust course by using PointDrive or manual left / right buttons.
3. Use the prop off button to disengage mode.

Notes
- Current COG can be viewed in the ProNav App "Map View" screen.
- Course can also be adjusted with the ProNav App or foot pedal.
- Foot pedal center thrust button can also be used to disengage mode.

Compass Heading Lock: Locks current compass heading. Motor will automatically adjust to maintain the set compass heading.

How to Use

1. Press and release Ñ to lock current compass heading.
2. Adjust heading using PointDrive or manual left / right buttons.
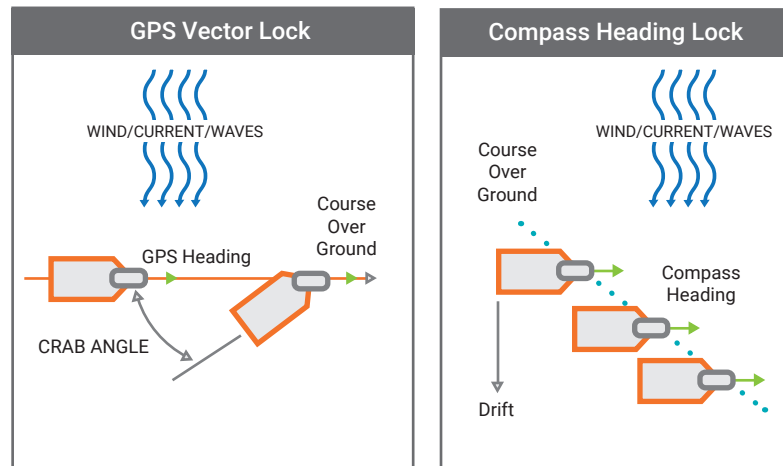3. Use the prop on / off button to disengage mode.

Notes
- Current COG can be viewed in the ProNav App "Map View" screen.
- Course can also be adjusted with the ProNav App or foot pedal.
- Foot pedal center thrust button can also be used to disengage mode.

Feature Tip: Difference between GPS Vector and Compass Heading Lock

GPS Vector lock keeps you on a constant course over ground. Your boat will align with the wind or current while the bow maintains position along the GPS Vector course. Compass Heading Lock will keep motor in a set compass direction but will not keep you on a straight COG as a crosswind and waves may move boat off intended course while maintaining the same compass heading.

For more info, watch this video: **pronavmarine.com/heading-lock**

GPS Vector Lock	Compass Heading Lock

WIND/CURRENT/WAVES

Course Over Ground

GPS Heading

CRAB ANGLE

Course Over Ground

WIND/CURRENT/WAVES

Compass Heading

Drift

MOTION FEATURES

The remote's compass needs to be calibrated prior to using motion features to match alignment with the calibrated ProNav Angler compass. **Visit pronavmarine.com/calibration for a demonstration.**

Calibrating the Remote:
1. Rotate the remote three times along each axis.
2. Wave the remote in a three-dimensional figure eight path as shown, keeping the remote parallel to the path (similar to a car following a curved track). Extend the figure eight pattern out away from you as long, wide and high as possible for an accurate calibration. Perform at least three figure eight patterns to complete the calibration.

Drive PointDrive™ and PointJog™
PointDrive can be used to change heading while in GPS Vector or Compass Heading Mode. PointJog can be used to change anchor location by 10' while in Anchor Mode.

How to Use PointDrive
1. Press and release ▱ while pointing the remote in the direction you want to go.
2. Adjust GPS Vector or Compass Heading by pressing and releasing ▱ while pointing remote in new direction.

Notes
• PointDrive is not active for manual controls.
• In GPS Vector Lock it may appear that the motor is steering in a direction different than perceived current GPS Vector Lock direction. By checking the "Map View" screen on the ProNav App you should see that your boat is actually following the current GPS Vector Lock direction.

How to Use PointJog
1. Press and release ▱ while pointing remote in the direction you want to Jog. Anchor location will move 10' in the direction you pointed.
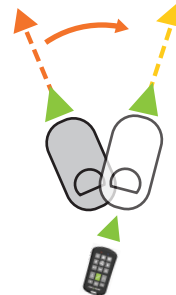
Notes
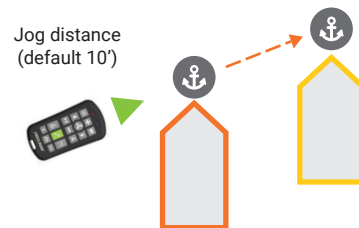• This anchor change location can be verified by viewing anchor location on the "Map View" screen in the ProNav App.

Remote Calibration

PointDrive

PointJog

Jog distance (default 10')

ADVANCED FEATURES

Available in firmware versions 2.3 and newer.

Mark Spot: When remote is connected to the ProNav Angler GPS (i.e. "ProNav Central" or "ProNav Hub"), pressing saves current location, allowing it to be viewed in the ProNav App. Use of this button does not require the App be connected to the ProNav Angler GPS—saved points will be stored until the next time the ProNav App is connected. Saved points function the same as "Anchor Points" in the ProNav App and can be viewed in the "Map View" screen of the App. Points can be shown or hidden on the map from the "Anchor Point" menu and used for navigation.

Play/Pause: While in route or anchor mode, pressing will pause or resume current mode. Pausing the route or anchor mode will stop motor and allow you to use the manual control functions (turn motor left / right, adjust thrust up / down, turn prop on / off) to manually control motor. Resuming the route or anchor mode will reactivate GPS control and navigate back to the position where boat was when the mode was paused.

Cruise Control: When trolling motor prop is engaged in any of the following modes: heading lock, vector lock, or route mode, pressing will lock current GPS speed (minimum speed is 0.8 mph). Thrust will be automatically adjusted to maintain the set GPS speed. The set speed can be increased or decreased using the +/- buttons on the remote to adjust speed in 0.1 mph increments.

CHARGING AND STORAGE NOTES

In preparation for long term storage, greater than 1 month, best practice is to fully charge your remote and store indoors during cold weather. While the battery may still hold a charge after several months without use, it is recommended to fully charge your remote when you are ready to use it again.

• Charge the ProNav Motion using only the provided USB-C charging cable and 12 volt charger. Use of other chargers may damage the remote.

• When your remote is not being charged, use provided charging port caps. Replacement caps can be ordered at pronavmarine.com.

WARNING!

Do not attempt to disassemble the ProNav Motion Controller. Doing so will compromise the waterproof integrity of the device and void the ProNav Warranty!

SATISFACTION GUARANTEE + WARRANTY + WORLD CLASS SUPPORT.
THAT IS THE PRONAV PROMISE.

ProNav Limited Warranty
All ProNav manufactured products are warrantied against defects for 2 years. If you have any problem with your ProNav system, contact us. We'll go out of our way to make it right!

Return Policy
If for any reason you are not completely satisfied with your purchase, you may return any ProNav manufactured items within 30 days of receipt. We will gladly provide a full refund of purchase price, excluding shipping if applicable.

One-Year Satisfaction Guarantee
We're so confident that using a ProNav System will improve your fishing experience we will extend your return window to receive a full refund to one full year! If for any reason you are not completely satisfied with your purchase within one year we will buy it back! Registration within 30 days of purchase is required. Satisfaction guarantee is applicable to the ProNav Angler and ProNav Angler Motion products only (excludes all other ProNav or third-party manufactured parts and accessories).

  ** IMPORTANT NOTE− Third-party products available for purchase through ProNav Marine, specifically Minn Kota Motors and Accessories, are NOT covered under the ProNav Return Policy or Satisfaction Guarantee and are NOT subject to ProNav's Limited Warranty. All third-party products are supplied and shipped through an independent Minn Kota dealer and are subject to the terms and conditions of this supplier for all returns and exchanges.

Support
We want you to get the best experience out of your ProNav system. Our online resources include a growing Knowledgebase full of tips, tricks, "how to's", and a video library for you to find answers to your questions. Our ProNav Owners Group on Facebook gets you in touch with other owners so you can discuss what tactics work best or brag about your successes.

Contact
The ProNav Marine team is committed to your success on the water and can be reached as follows:
Submit a support ticket: pronavmarine.com/support **Email:** Support@ProNavMarine.com **Phone:** (906) 523-7007

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