



**PRO**  **NAV**<sup>TM</sup>  
*angler*

# 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.

[www.pronavmarine.com/support](http://www.pronavmarine.com/support)  
[support@pronavmarine.com](mailto:support@pronavmarine.com)  
(906) 523-7007

ProNav Marine  
20134 Gagnon Circle, Ste 101  
Hancock, MI 49930



# PRONAV ANGLER KEY ELEMENTS OF SUCCESS

## **INSTALLATION**

Obtaining optimal performance from your ProNav Angler starts with proper installation. The GPS unit contains a fluxgate compass and GPS which are sensitive to magnetic interference. Following our simple installation instructions will eliminate common sources of error and provide optimal performance.

## **EDUCATION**

The ProNav Angler is easy to install and use right out of the box. Learning how and when to use its many features will enhance your experience and help take your fishing to the next level. There are resources available for you to learn everything from standard operation to advanced features. Our website has a video library with tutorials that walk you through installation, calibration, and how to use all the features of the ProNav system. Our online Knowledgebase is continually growing with articles containing written tutorials and tips. Our Facebook ProNav Owners Group lets you interact with other ProNav owners, post questions or tips that have worked for you, and brag about your big catch. Please make use of all these resources. The more you understand and are comfortable with using the system, the better your experience will be.

## **SUPPORT**

Our Team is dedicated to your success on the water. If you have questions that you can't find an answer to online or are experiencing an issue, don't hesitate to contact us. We are here to help!

Submit a Support Ticket using our webform at [www.pronavmarine.com/support](http://www.pronavmarine.com/support). Providing as much detail as possible will minimize the back and forth correspondence needed to resolve your issue.

Emailing [Support@ProNavMarine.com](mailto:Support@ProNavMarine.com) will also open a support ticket. Be as specific as possible in your email to minimize the back and forth correspondence needed, and attach pictures or video for better clarity. ProNav's support team will respond to your request as quickly as possible.

Phone: (906) 523-7007

# GETTING STARTED



1. Download the ProNav Angler mobile App on your mobile device(s)
2. Register your product online (required for ProNav's one-year satisfaction guarantee) [www.pronavmarine.com/productregistration](http://www.pronavmarine.com/productregistration)
3. Create your ProNav account for access to ProNav Cloud's unlimited data storage and sync between devices
4. Install your ProNav Angler on your trolling motor
5. Function test prior to first use on the water to avoid potential frustrations
6. Calibrate your ProNav Angler prior to first use of any automatic control functions (anchor, route, heading lock)



# CREATING YOUR PRONAV ACCOUNT

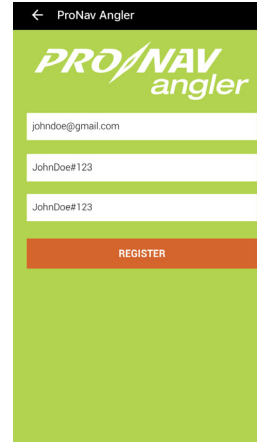
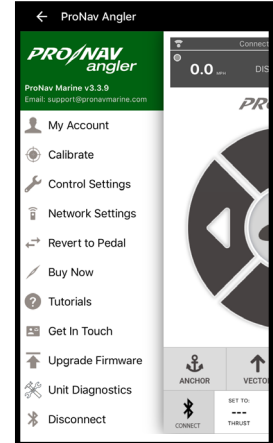
Creating a ProNav account allows you to sync your saved navigation data ie. routes and waypoints between multiple mobile devices. Your navigation data is securely backed up in the ProNav Cloud every time you sync your data. Use the instructions shown to set up your account.

The ProNav Angler Mobile Application allows you to securely store unlimited information using the ProNav Cloud. Easily save your favorite fishing anchor points and routes for future access from any device that has the ProNav App. When you find a productive spot, ProNav makes it easy to share anchor points and routes with trusted ProNav friends.

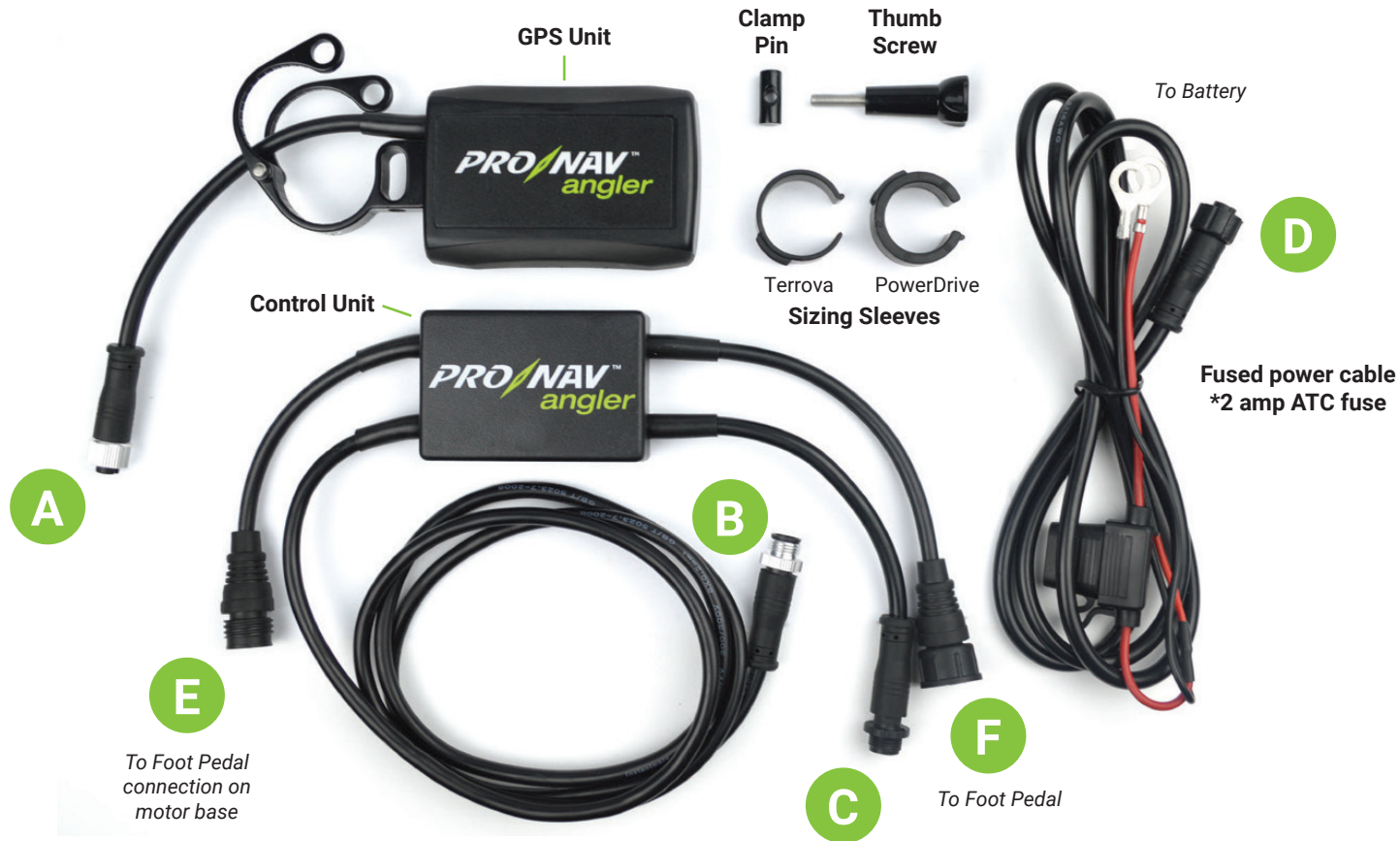
- All points and routes can be automatically stored in the ProNav Cloud
- Access your data on multiple devices
- Share points and routes with ProNav Friends
- Points and routes are stored locally for use in remote fishing locations
- Maps can be cached for access in remote fishing locations

## CREATE PRONAV LOGIN FOR CLOUD SYNC

*Password must be at least 6 characters long*

The image shows the registration screen of the ProNav Angler mobile application. At the top, there is a back arrow and the text "ProNav Angler". Below this is the "PRO/NAV angler" logo. The screen contains three input fields: the first for an email address (pre-filled with "johndoe@gmail.com"), the second for a username (pre-filled with "JohnDoe#123"), and the third for a password (pre-filled with "JohnDoe#123"). At the bottom, there is a red button labeled "REGISTER".

# WHAT'S IN THE BOX



# INSTALLATION

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](http://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](http://www.pronavmarine.com) to learn more.
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 can not 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.

## Step 1.



## Step 2.



AutoPilot / iPilot compass



Wires should be twisted together to eliminate magnetic interference



Wires spread apart can cause erratic behavior of the ProNav Angler

## Step 3-4.



# INSTALLATION

5. Route Control Unit plug A through motor's coiled wire and connect to GPS Unit plug B. Connect Control Unit plug C to Power Cable plug D. Do not connect the ring 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](http://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 G 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](http://www.pronavmarine.com/articles/splice-power-cable)

## FUNCTION TEST:

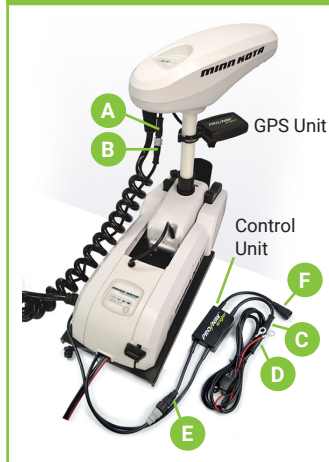
Prior to hitting the water for the first time, safely deploy your trolling motor making sure it is free from obstructions and perform a brief function test with the ProNav Angler App. Connect App to ProNav Angler, turn motor left/right, prop on/off, thrust +/-, and make sure you have foot pedal and/or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

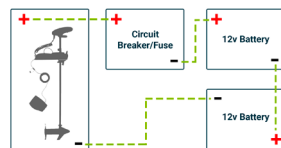
**Note: It is recommended to use dielectric grease on all terminals to prevent corrosion, especially if using ProNav in a saltwater environment.**

## Steps 5-6.

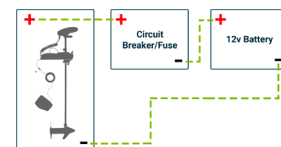


## Step 7.

### 24V SYSTEM



### 12V SYSTEM



# PRONAV CONTROL OPTIONS



	ProNav Mobile App	ProNav Remote	Foot Pedal
Unique Features	<ul style="list-style-type: none"> <li>• Map Layer</li> <li>• Route following/Route creation from track</li> <li>• Network configuration and control settings</li> </ul>	<ul style="list-style-type: none"> <li>• PointDrive™ and PointJog™</li> <li>• Rapid Speed Adjustment</li> <li>• Play/Pause your route or anchor point</li> </ul>	<ul style="list-style-type: none"> <li>• Center thrust button as safety stop</li> </ul>
Standard Features			
GPS Anchor	✓	✓	
GPS Vector and Compass Heading Lock	✓	✓	
Cruise Control	✓	✓	
Mark (your location)	✓	✓	
Manual Controls	✓	✓	✓
Cable unwrapping in anchor mode using left/right controls	✓	✓	✓
GPS Vector and Compass Heading Lock directional adjustments	✓	✓	✓



# MOBILE APP HOME SCREEN FEATURE GUIDE

## MAIN MENU

Expand App Main Menu.

## STATUS BAR

System status notifications.

## SPEED

Shows current speed in MPH.

## ACTIVE MODE

Shows current active mode.

## MANUAL CONTROLS

Increase or decrease thrust or speed, turn left or right, turn the prop on and off. **Note:** prop button turns green when prop is on.

## GPS VECTOR LOCK

Lock current course over ground. 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.

## GPS ANCHOR

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

## BLUETOOTH

Connect ProNav Angler to trolling motor.



## THRUST

Shows current motor thrust percentage

**Note:** Active speed / thrust setting indicated by green fill.

## COMPASS HEADING LOCK

Lock current compass heading. Motor will automatically adjust to maintain the set compass heading.

## ROUTES

Shortcut to "Create on Map" feature in Map View.

## MAP VIEW

Go to "Map View" screen.

## MARK

Mark current GPS location.

## STOP

Stop active autopilot mode and revert to manual control.

## SPEED CONTROL

Set desired thrust or speed in mph by using pop-up sliders.

# MAIN MENU FEATURE GUIDE



## MY ACCOUNT

Create ProNav login and sync saved data



## CALIBRATE

Calibrate your ProNav Angler



## CONTROL SETTINGS

Optimize performance of your ProNav to your boat and fishing style



## NETWORK SETTINGS

Pair a ProNav Remote with your ProNav Angler



## BUY NOW

Visit ProNav shop



## TUTORIALS

Watch video tutorials



## GET IN TOUCH

Contact ProNav Support



## UPGRADE FIRMWARE

When prompted, perform firmware updates



## UNIT DIAGNOSTICS

View or send diagnostics to ProNav Support Team

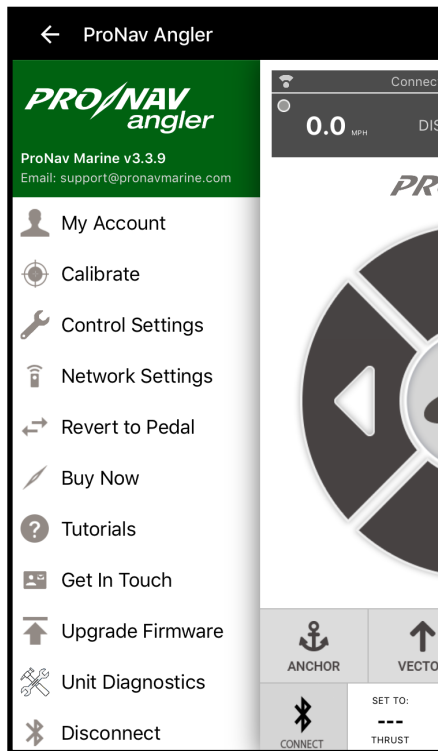


## DISCONNECT

Disconnect App from ProNav Angler

## APP VERSION

Displays installed version of App



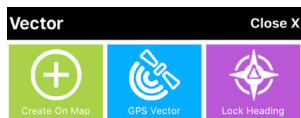
# MOBILE APP MAP VIEW FEATURE GUIDE



## SPOT-ON ANCHOR

Press: Opens Anchor popup menu:

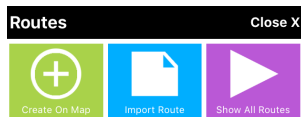
- Create On Map
- Anchor Here
- Show All Points



## VECTOR NAVIGATION

Press: Opens Vector popup menu:

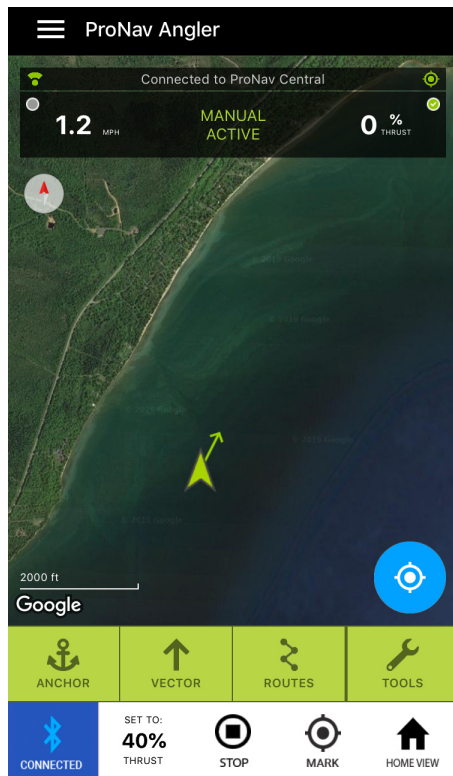
- Create On Map
- Set GPS Vector
- Lock Heading



## EASY-TO-USE ROUTES

Press: Opens Routes popup menu:

- Create On Map
- Show All Routes



### First Press: Center Map

Center your boat at your current location in middle of the screen.



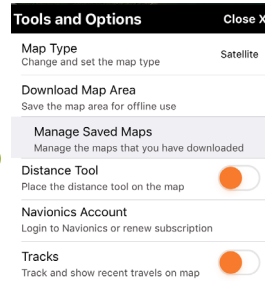
### Second Press: Lock North Up

Locks the map centered on your boat until you manually move the screen.



### Third Press: Lock Heading Up

Keep the boat locked while rotating the map so the direction you are heading is always straight up (forward) on the screen.



## POSITION ICON LEGEND



Triangle: boat moving, triangle points GPS heading (ie. COG)



Round: boat stationary, no heading



Arrow: motor heading



Diamond: not connected and using mobile device GPS

# TOOLS MENU

## MAP TYPE

Select between satellite, Navionics, offline and additional mapping layers.

## DOWNLOAD MAP AREA

Cache/save satellite map area for offline viewing. To view offline maps, select offline mapping layer from Map Type.

## MANAGE SAVED MAPS

Delete no longer needed saved offline maps.

### Map Type

Change and set the map type

Satellite

### Download Map Area

Save the map area for offline use

### Manage Saved Maps

Manage the maps that you have downloaded

### Distance Tool

Place the distance tool on the map



### Navionics Account

Login to Navionics or renew subscription

### Tracks

Track and show recent travels on map



## DISTANCE TOOL

Measure distance between two points.

## NAVIONICS ACCOUNT

Log in to your Navionics account to activate Navionics map layer. Navionics subscription required.

## TRACKS

Records your GPS trail and displays breadcrumbs on map.



### Create Offline Map Tutorial

[www.pronavmarine.com/offline-map-tutorial](http://www.pronavmarine.com/offline-map-tutorial)



### Navionics Tutorial

[www.pronavmarine.com/navionics-tutorial](http://www.pronavmarine.com/navionics-tutorial)



### Tracks Tutorial

[www.pronavmarine.com/tracks-tutorial](http://www.pronavmarine.com/tracks-tutorial)

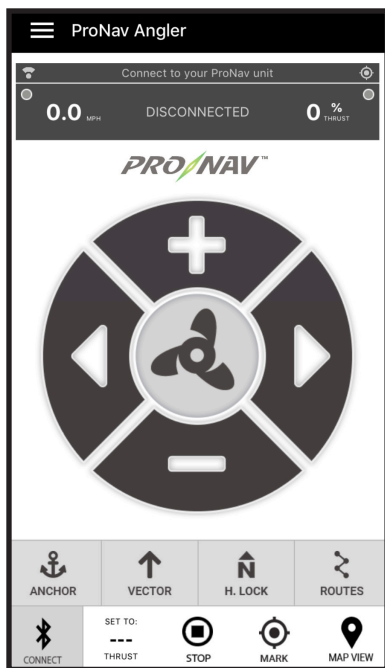
# CONNECTING TO YOUR PRONAV ANGLER

1. Press

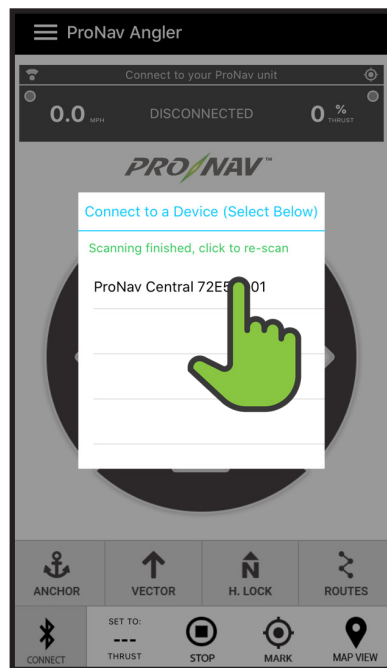


2. Select "ProNav Central" from the pop-up menu.

Step 1



Step 2





# CALIBRATING YOUR PRONAV ANGLER

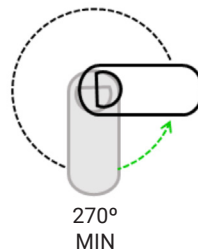
Calibration should be completed prior to first use. Calibration can be done periodically or as needed but not required every time you use ProNav. If your autopilot functions are operating as expected do not recalibrate, as a poor calibration will degrade performance. Please refer to the following videos for demonstration of proper calibration and some pointers on getting best results:



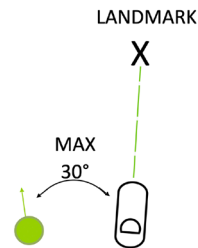
Calibrate the ProNav Angler | How, Where, and Why  
[www.pronavmarine.com/calibrate-angler](http://www.pronavmarine.com/calibrate-angler)



How NOT to calibrate your ProNav Angler  
[www.pronavmarine.com/how-not-to-calibrate](http://www.pronavmarine.com/how-not-to-calibrate)



Step 3



Step 4

## HOW TO CALIBRATE

1. Select "Calibrate" from the App's Main Menu
2. Follow the onscreen instructions
3. While calibrating, watch the motor head and assure it rotates approximately 360 degrees (minimum of 270 degrees) during calibration.
4. Check calibration by pointing the motor head towards a known landmark and comparing it to the compass direction arrow on the map screen.  
The compass arrow should be within + or - 30 degrees of motor head direction if calibration was successful. If this condition is not met, repeat calibration process.

## Notes:

- Assure your boat remains level and is not rocking during calibration (it is best to perform in calm water).
- Verify that there are no magnetic sources, iron sources or GPS / compass obstructions located in close proximity to your trolling motor that could be causing compass error. This might include another electric motor (anchor winch for example), steel break-walls, docks, piers or GPS pucks.
- If your motor does not rotate at least 270 degrees during calibration, repeat the process until this is achieved.

MINN KOTA

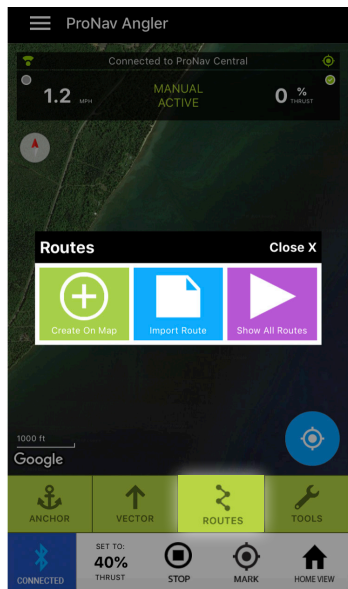
PRO NAV<sup>™</sup>  
angler

PRO NAV





# ROUTES



## ROUTES



Create and modify unique routes on your favorite bodies of water. Select points along desired routes and the motor will automatically keep your boat on course.





## CREATE ON MAP

Create a route on the map

How to Use

1. Press and release 
2. Position map where you would like to create your route.
3. Start by pressing and holding to create starting point, then press and hold each point thereafter until you are done adding points.
4. To follow your route press and release 
5. Select your speed or thrust from the popup menu.
6. Select "Start Route".

Notes:

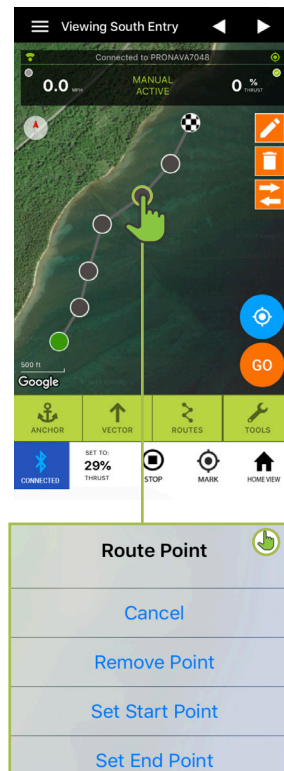
- Adjusting points: after creating route, press and hold on any point and drag it to a new location. Once route is started you can adjust your points and save your changes. Changes will take effect next time your route is started.
- Deleting points: press and release . Short press a point and select "Remove Point" to remove it from your route.
- Set new start/end point: short press any point and press "Set Start Point" or press "Start End Point".
- You can save your route prior to starting if desired. 



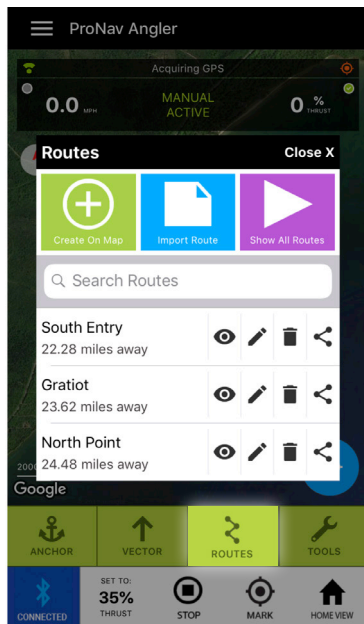
## SHOW ALL ROUTES

How to Use

1. Press and release  to display all saved routes on the map.



# ROUTES




## VIEW A SAVED ROUTE

To view a saved route, press the Routes icon. This will open your list of saved routes, and you can select the route of your choice. Once the route is selected the orange route editing buttons allow editing of the route.

## EDIT ROUTE

How to Use

1. Press and release 
2. Long press a point to move it.
3. Press and release a point to open editing pop-up menu.
4. Select "Editing [Name of Route]" to edit route name then press "Update Name".


## DELETE ROUTE

How to Use

1. Press and release 
2. Press "Delete" from the pop-up menu

## CLOSE EDITING

How to Use

1. Press and release  to close editing options and view route


## FLIP START / END POINTS

How to Use

1. Press and release  to flip the start and end points.

## SAVE ROUTE

How to Use

1. Press and release  after creating a route to save it to the ProNav App.
2. Name route and press "Save Route".

## GO START ROUTE

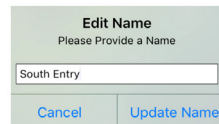
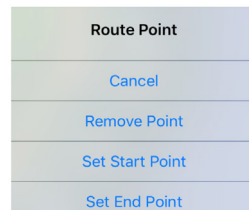
How to Use

1. Press and release  to start following your route



## TOGGLE BETWEEN ROUTES

When viewing saved routes, you have the option to toggle between routes with the arrows in the information bar. Routes will be shown in order of closest proximity to your current location.



During editing a route, when you select save you will have the options to save as a new route or rename existing route.



# NAVIONICS

## HOW TO USE NAVIONICS IN THE PRONAV ANGLER MOBILE APP

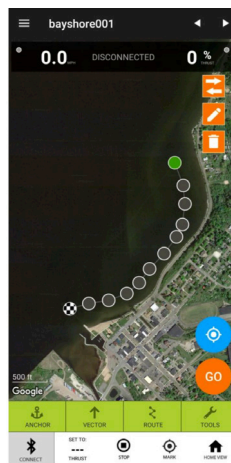
1. Download the Navionics Boating Marine and Lakes App to your device
2. Learn more at [www.navionics.com/usa/apps/navionics-boating](http://www.navionics.com/usa/apps/navionics-boating)
3. Open the Navionics app, create an account, and select your preferred subscription option (USA, USA & Canada, etc.)
4. Please note, Navionics does not allow their free trial subscription to be used in the ProNav Angler Mobile App, however the maps that you see in your free trial are the same maps that will be available to you in the ProNav Angler Mobile App with an active Navionics subscription.
5. Open the ProNav Angler Mobile App
6. Click the “Live Map View” button in the bottom right hand corner of the screen
7. Click the “Tools” button in the bottom right hand corner of the screen (above the “Home” button)
8. Select “Map Type” from the Tools menu
9. Select the “Navionics” map layer
10. Sign into your Navionics account when prompted.
11. Your Navionics map layer should now be activated in the ProNav Angler Mobile App—when you zoom to a new area the map layer will download automatically (when a data or WiFi connection is present)

For a more info, watch this video:

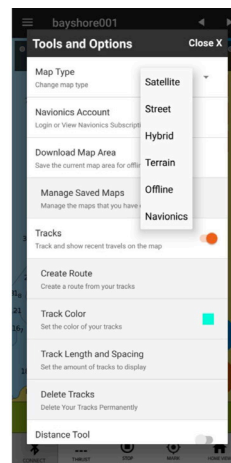
[www.pronavmarine.com/navionics-tutorial](http://www.pronavmarine.com/navionics-tutorial)



Step 6



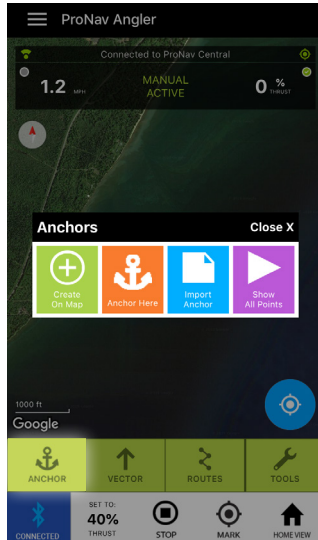
Steps 7-9



Step 11



# ANCHOR



## GPS ANCHOR

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



## CREATE ON MAP

Create an anchor point on the map.

How To Use

1. Position map where you would like to anchor at.
2. Press and hold to create an anchor point.
3. Press and release **GO** to go to your point and anchor.
4. Select your speed or thrust from the popup menu.
5. Select Start Route to Anchor

Notes

- You can save your anchor point prior to anchoring if desired



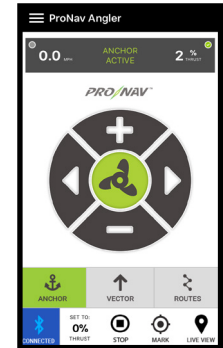
## ANCHOR HERE

How to Use

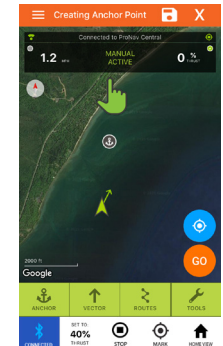
1. Press and release to anchor at your current location.

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.

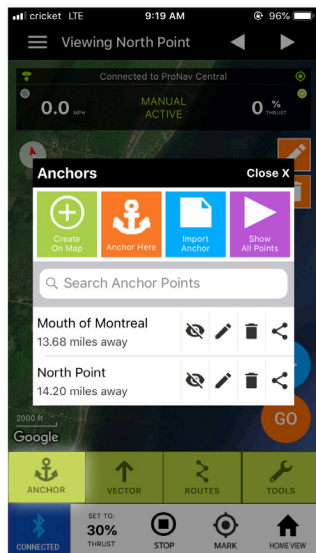


GPS Anchor engaged on home screen



Create on Map steps 2-3

# ANCHOR



## TOGGLE BETWEEN ANCHOR POINTS

When viewing saved anchor points, you have the option to toggle between points with the arrows in the information bar. Points will be shown in order of closest proximity to your current location.




## VIEW A SAVED ANCHOR POINT

To view a saved anchor point, press the Anchor icon. This will open your list of saved anchor points, and you can select the point of your choice. Once the point is selected the orange anchor point editing buttons allow editing of the point.



## SHOW ALL POINTS



How to Use

1. Press and release  to display all saved anchor points on the map.



## EDIT POINT

How to Use

1. Press and release 
2. Press and release on a point to view point name
3. Press and release  then press "Delete" to delete point
4. Select "Editing [Name of anchor point]" to edit point name then press "Update Name".



## DELETE POINT


How to Use

1. Press and release  to delete anchor point.



## SAVE ANCHOR POINT


How To Use

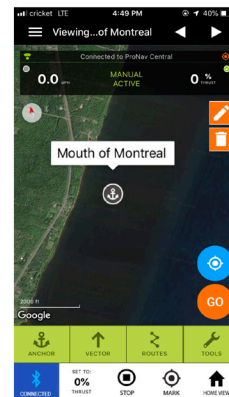
1. Press and release  after creating an anchor point to save it to your ProNav App.
2. Name anchor point and press "Save".



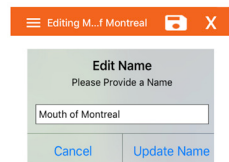
## CLOSE EDITING

How to Use

1. Press and release  to close editing options and view anchor point.



While viewing anchor points you have the option to edit or delete points.



During editing an anchor point, when you select save you will have the options to save as a new point or rename existing point.

# ANCHOR TIPS

## **Feature Tip: Recommended Anchoring**

See the following images 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: [www.pronavmarine.com/transducer-cable-saver](http://www.pronavmarine.com/transducer-cable-saver)



# ANCHOR TIPS



WIND/CURRENT/WAVES

Desired anchor point

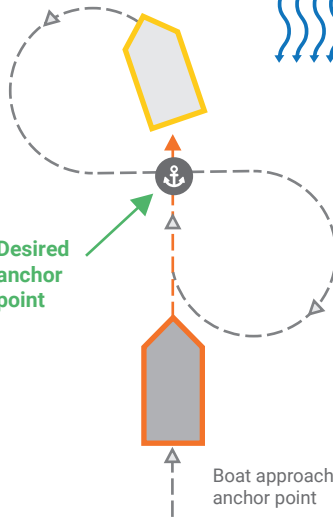


**Recommended Anchoring:** Approach slowly and set anchor after forward momentum has stopped. To stop forward momentum, use reverse thrust or wind/current/waves.



WIND/CURRENT/WAVES

Desired anchor point



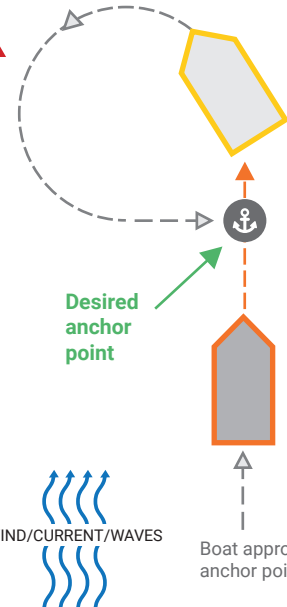
**CAUTION:** Setting anchor with forward momentum will cause the boat to overshoot and circle back to the anchor point and may result in motor cord wrapping.



WIND/CURRENT/WAVES

Desired anchor point

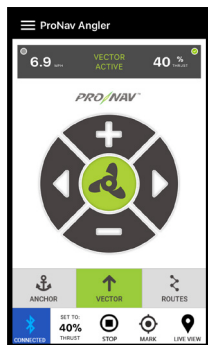
Boat approaching anchor point



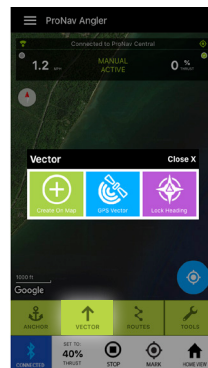
**CAUTION:** Setting anchor with wind/waves/current at your stern will cause the boat to overshoot and circle back to the anchor point and may result in motor cord wrapping.





# GPS VECTOR LOCK



GPS Vector engaged on home screen.





## 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. GPS Vector lock can be used by either selecting your COG on the map  or by locking your current COG  (based off current motor heading).




## CREATE ON MAP

How to Use

1. Press and release .
2. Select your endpoint on the map of the COG you desire. A green arrow will appear showing your selected COG. You can continue to change your course by selecting a new endpoint on the map prior to starting.
3. Select .
4. Select your desired thrust or speed from the pop-up menu.
5. Select "Start Vector".


Notes

- Adjust course by selecting a new endpoint on the map and pressing  and "Start Vector".
- Use the stop button to disengage mode or the center thrust button on the foot pedal.



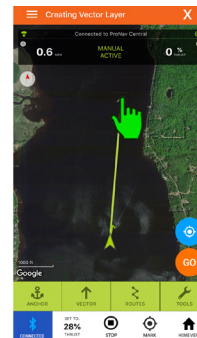
## GPS VECTOR LOCK

How to Use

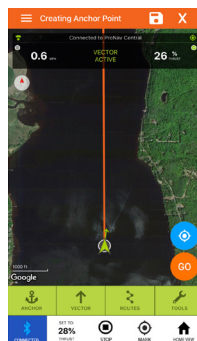
1. Press and release  from either vector menu or home screen.
2. Select your desired thrust or speed from the pop-up menu.
3. Select "Start GPS Vector".

Notes

- Current COG is indicated by a solid orange line.
- Course can be adjusted with the left/right buttons on the home screen or the foot pedal.
- Use the stop button to disengage mode or the center thrust button on the foot pedal.



Create on Map steps 2-3.



Map view showing active vector


# COMPASS HEADING LOCK



## COMPASS HEADING LOCK

Locks current compass heading. Motor will automatically adjust to maintain the set compass heading.

How to Use

1. Press and release  to lock current compass heading.
2. Set your desired speed or thrust from the popup menu.
3. Select "Start Heading Lock".
4. Adjust heading home screen left / right buttons.
5. Use stop button to disengage mode or the center thrust button.

Notes

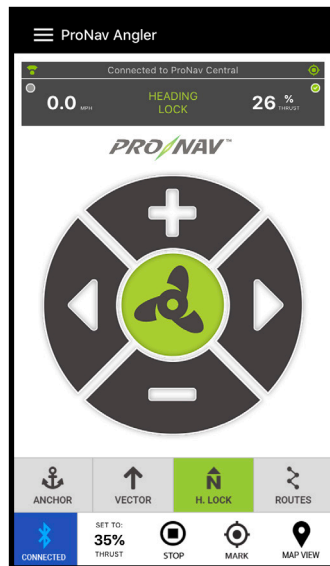
- Current compass heading is indicated by Green arrow →
- Heading can be adjusted with the left/right buttons on the home screen, or the foot pedal.
- Use the stop button to disengage mode or the center thrust button on the foot pedal.

## 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.

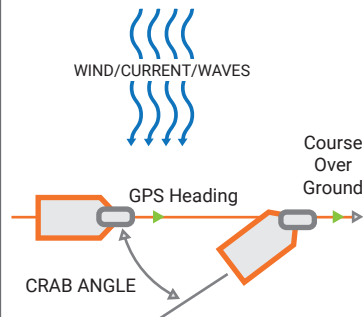
For more info, watch this video:

Pronav Angler Vector Heading Lock Explained: GPS vs Compass Heading Lock  
[www.pronavmarine.com/articles/heading-lock](http://www.pronavmarine.com/articles/heading-lock)

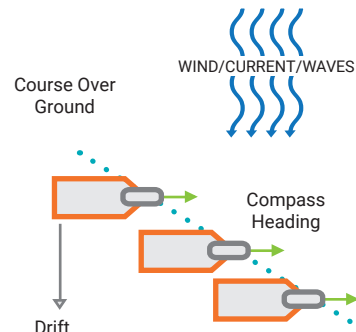


Compass Heading Lock engaged on home screen.

## GPS Vector Lock



## Compass Heading Lock



# ALTERNATE INSTALLATION OPTION

This option provides alternate installation inside head of trolling motor. Benefits include extra protection of GPS unit, more permanent installation, and requires less clearance between motor head and adjustable depth collar.

Kit is an optional accessory and can be purchased from:  
[www.pronavmarine.com/head-mount-kit](http://www.pronavmarine.com/head-mount-kit)

Note: Powerdrive V2 and legacy will require an additional step to modify motor head cover. See included instructions.

## 2017 & Newer Powerdrive

## Pre 2017 PowerdriveV2 & Legacy Powerdrive (2006 & Older)



### 1. Remove motor head cover and verify wire arrangement

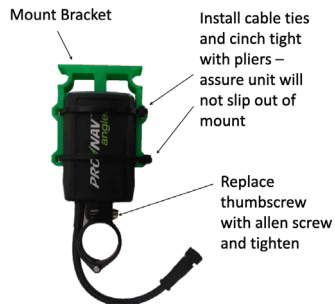


Wires should be twisted together to eliminate magnetic interference

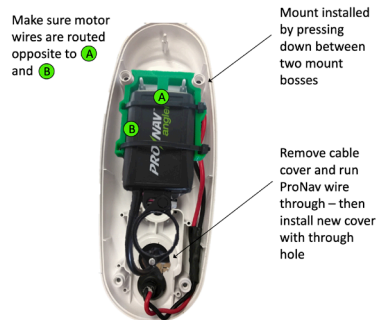


Wires spread apart can cause erratic behavior of the ProNav Angler

### 2. Attach ProNav unit to mount bracket



### 3. Install mount onto motor head



### 4. Reinstall motor head cover and assure proper clearance between shaft collar and head



Assure there is a minimum of 2" of clearance between the bottom of the head and the collar

# FIRMWARE UPGRADE

1. Clear the ProNav App from the app tray
2. Re-open the ProNav App
3. Go directly to "Upgrade Firmware" from the App's Main Menu
4. Press "Upgrade ProNav GPS"
5. Watch the firmware update instructional video that appears.
6. Check the box confirming you have watched the video and understand the process then press "Next Step"
7. Completely power off and power back on the ProNav Angler by unplugging and re-plugging in, then press "Next Step" (once your ProNav Angler is powered back on, you have 45 seconds to complete the next step)
8. Connect to your ProNav Angler by pressing "Connect to the ProNav Angler" then selecting "ProNav Central"
9. Watch the light on top of your ProNav Angler and wait until it turns red.

## Android Users:

- Press "If Diamond is Red, Click to Continue", and wait for the upgrade to complete.

## iOS Users:

- Select "Light is red, continue".
- Press "If Diamond is Red, Click to Continue".
- Press "Start Upgrade" and wait for the upgrade to complete.

## Notes

- If the first firmware update is not successful, it is recommended to attempt an upgrade a second time with either the same mobile device or a second mobile device due to device specific Bluetooth communication settings.
- Prior to your second attempt, restart your Bluetooth connection by turning it off and turning it back on.
- For Android devices: prior to second attempt, clear your Bluetooth cache. See link on how to clear your bluetooth cache
- Keep your mobile device close to the ProNav GPS unit during the upgrade process to assure the connection stays secure.

## IMPORTANT!

After completing the update, remove power to ProNav GPS for approximately 30 seconds and reconnect. Close the ProNav App by swiping it from your App tray prior to using.



## ProNav Angler Firmware Upgrade

[www.pronavmarine.com/articles/angler-firmware-update/](http://www.pronavmarine.com/articles/angler-firmware-update/)

# CONTROL SETTINGS

The ProNav Angler has the unique feature of being able to tune the GPS navigation performance to your specific boat or fishing preferences by changing the Control Settings. Select from kayak, small boat, and large boat settings to adjust the responsiveness of the anchor mode. Select from casting, slow troll, and fast troll settings to adjust the vector and route following performance.

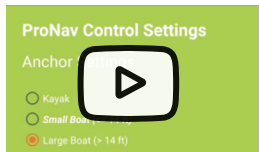
How to use:

1. Verify mobile device is connected to ProNav Angler GPS unit.
2. Select "Control Settings" from main menu.
3. Select desired control settings for anchor, route, and vector.
4. Press "Update Settings" to apply new settings.

Notes:

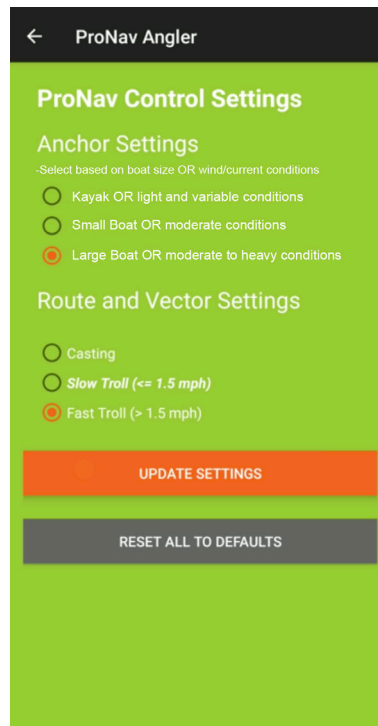
- The kayak anchor setting has been optimized to provide less aggressive steering and thrust response (maximizing safety) while maintaining excellent position holding for kayak anglers. The small boat and large boat anchor settings optimize steering and thrust response to maximize anchor position accuracy based on your boat size and conditions. Experimenting with the different settings and evaluating their effect in different conditions will allow you to achieve the best performance from your system. As a general suggestion, in calm conditions you might try switching anchor settings from large boat to small boat or small boat to kayak to prevent your motor from "overcorrecting". In breezy, wavy, or high current situations, the opposite is true.
- The casting and slow troll route and vector settings are optimized for accuracy and keeping your boat on your route, especially at slower speeds. These settings increase the steering responsiveness, meaning your motor will adjust its direction more frequently to stay on the route. When trolling at higher speeds or when less steering responsiveness is desired to maintain a straighter track line (i.e. trolling with planer boards), use the fast troll setting. The fast troll setting makes less frequent steering adjustments but may result in slightly greater deviation from your route line in certain conditions.
- At any time you can use "Reset all to Defaults" to restore the settings to their default values.
- Applying changes to control settings can be done while in an active autopilot mode.

For additional information, please refer to the following video:



## Control Settings Tutorial

[www.pronavmarine.com/control-settings](http://www.pronavmarine.com/control-settings)



# TROUBLESHOOTING

For troubleshooting tips, visit [www.pronavmarine.com/support](http://www.pronavmarine.com/support)



# 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](https://pronavmarine.com/support) **Email:** Support@ProNavMarine.com **Phone:** (906) 523-7007





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