



i-PILOT[®]
LINK[™]

Owner's Manual

INTRODUCTION

THANK YOU

Thank you for purchasing the Minn Kota® i-Pilot® Link™. This revolutionary control system uses GPS technology to record and store tracks and locations which are then used to deliver unprecedented levels of boat control. Intuitive features and wireless control help to accurately position your boat and improve your bait presentation. i-Pilot navigates and positions your boat for you, so you can focus on fishing.

REGISTRATION

Remember to keep your receipt and immediately register your trolling motor. A registration card is included with your motor or you can complete registration on our website at minnkotamotors.com.

SERIAL NUMBER

Your Minn Kota 11-character serial number is very important. It helps to determine the specific model and year of manufacture. When contacting Consumer Service or registering your product, you will need to know your product's serial number. We recommend that you write the serial number down so that you have it available for future reference.

NOTICE: The motor serial number encompasses the i-Pilot Link navigation system. The location of the serial number, is in a different location based on the motor model it is installed on. Refer to the images to the right to determine location based on motor model.

PRODUCT INFORMATION (For Consumer Reference Only)

Model: _____

Serial Number: _____

Purchase Date: _____

Store Where Purchased: _____

NOTICE: Do not return your Minn Kota motor to your retailer. Your retailer is not authorized to repair or replace this unit. You may obtain service by: calling Minn Kota at (800) 227-6433; returning your motor to the Minn Kota Factory Service Center; sending or taking your motor to any Minn Kota authorized service center. A list of authorized service centers is available on our website, at minnkotamotors.com. Please include proof of purchase, serial number and purchase date for warranty service with any of the above options.

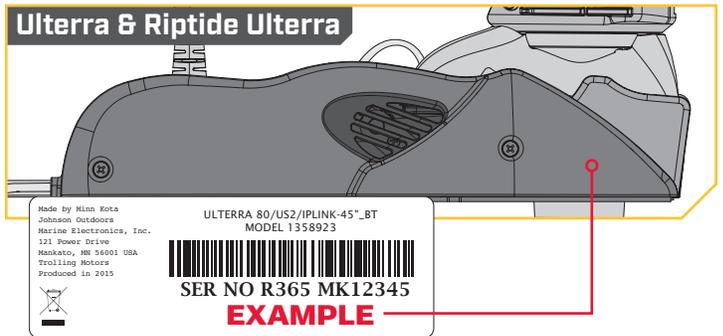
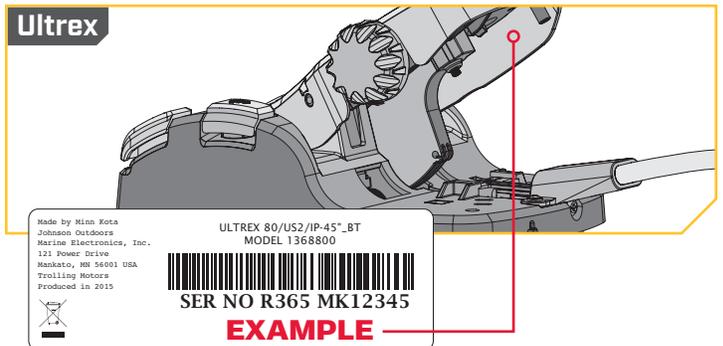
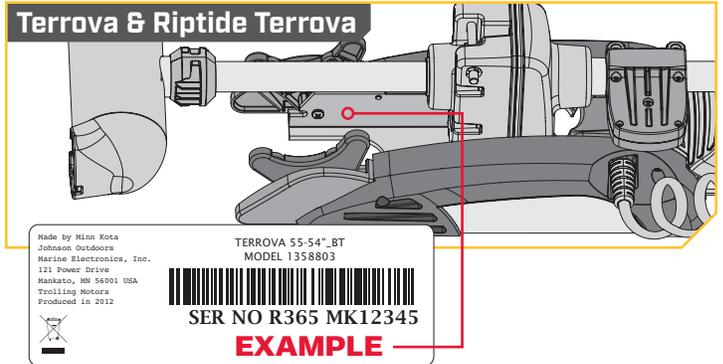


TABLE OF CONTENTS

SAFETY CONSIDERATIONS	4	ROUTES	55
WARRANTY	5	Understanding Routes.....	55
FEATURES	6	Reverse the Direction of Route Navigation	56
REMOTE BUTTONS	7	Disengage Route Navigation	56
REMOTE NAVIGATION	8	HEADING SENSOR	57
Using the i-Pilot Link Remote	8	Heading Sensor Features.....	57
Touch Screen and Control Buttons	9	Installation.....	59
Humminbird Control	9	Working with the Heading Sensor	64
The Options Menu and the System Menu.....	10	Pairing the Heading Sensor	64
The Talon Menus	11	Heading Sensor Calibration	65
DISPLAY SCREEN	12	Heading Offset	68
GETTING STARTED	20	MOTOR CONTROLS	70
The i-Pilot Link System	20	To Toggle the Prop Auto On.....	70
System Startup.....	21	Adjusting Boat Scale.....	71
Connect i-Pilot Link to the Humminbird.....	21	Deploying the Motor.....	72
Power Up the i-Pilot Link System.....	22	Stowing the Motor.....	74
Charging the Remote Battery	24	Adjusting the Trim	75
AUDIO MODES	25	Change the Arrival Mode	77
Understanding Audio Modes.....	25	TALON CONTROLS	79
Audio Mode Control	26	Talon Controls.....	79
Changing the Controller Audio Mode.....	26	Talon Options	87
SPOT-LOCK	27	Talon System.....	94
How Spot-Lock Works	27	REMOTE CONTROLS	98
Engaging Spot-Lock	28	To Adjust the Backlight	98
Disengaging Spot-Lock.....	29	To Adjust the Backlight Timeout.....	99
Go To a Saved Spot-Lock.....	29	Restore System Defaults.....	100
Disengage Go To Spot-Lock	30	Selecting Remote Language.....	101
Spot-Lock Jog.....	31	Change the Depth Units	102
WAYPOINTS	33	Change the Distance Units	103
Working with Waypoints.....	33	Change the Speed Units.....	104
Mark a Waypoint.....	34	Change the Temperature Units.....	105
Go To a Saved Waypoint	34	Change the Time Format.....	106
Disengage Go To Waypoint.....	35	Change the Time Zone.....	107
CRUISE CONTROL	36	Toggle Daylight Savings.....	108
i-Pilot Link with Cruise Control.....	36	Change the Go To List Sort Order	109
Engaging Cruise Control	37	Set the Remote Auto Off	110
Disengage Cruise Control.....	38	To Lock the Remote	111
HIGH SPEED BYPASS	39	To Unlock the Remote.....	112
Motor Speed and High Speed Bypass	39	To Rotate the Touch Screen	112
Engaging High Speed Bypass.....	40	To Toggle the Touch Screen	113
Disengaging High Speed Bypass	40	To Edit the Home Screen Button Menu.....	114
AUTOPILOT	41	i-PILOT LINK APP	116
i-Pilot Link with Autopilot.....	41	Launching the App & Demo Mode.....	119
AutoPilot Modes	41	Getting Started.....	120
Engaging Legacy AutoPilot or Advanced AutoPilot	42	Pairing the Device with the i-Pilot Link Controller	120
Disengaging Legacy AutoPilot or Advanced AutoPilot	43	Update the i-Pilot Link App	121
To Set the Default AutoPilot Mode.....	43	Check Remote and Controller Software Version.....	122
iTRACKS	45	Update the i-Pilot Link Controller.....	123
Understanding iTracks.....	45	SERVICE & MAINTENANCE	124
Recording an iTrack	46	To Open the Diagnostics Screen	124
Go To a Saved iTrack	47	i-Pilot Link Software	125
Disengage Go To iTrack.....	48	To Open the About Screen	125
Reverse Go To iTrack	48	Update i-Pilot Link Remote Software.....	126
CIRCLE MODE	49	Pairing a Remote with a Controller	127
Understanding Circle Mode	49	Talon Control	128
Change the Radius of Circle Mode.....	50	General Maintenance	132
Reverse Direction with Circle Mode	50	Troubleshooting	132
Disengage Circle Mode.....	51	For Further Troubleshooting & Repair	133
FOLLOW THE CONTOUR	52	COMPLIANCE STATEMENTS	134
Understanding Follow the Contour.....	52	PARTS DIAGRAM & PARTS LIST	136
Change the Offset with Follow the Contour.....	53		
Reverse Direction with Follow the Contour	53		
Disengage Follow the Contour	54		

SAFETY CONSIDERATIONS

Please thoroughly read the user manual. Follow all instructions and heed all safety and cautionary notices. Use of this product is only permitted for persons that have read and understood these user instructions. Minors may use this product only under adult supervision.

WARNING

You are responsible for the safe and prudent operation of your vessel. We have designed your Minn Kota product to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate your Minn Kota product in an area free from hazards and obstacles.

CAUTION

This unit uses a magnetic compass to detect direction of travel. The compass can be adversely affected by magnets or large, ferrous metal objects near (within 24" of) the trolling motor control head.

Obstructions on the propeller may cause excessive vibration of the motor head. This vibration can cause the compass to wander and erratic steering to occur. Clear the obstruction to return the motor and i-Pilot Link system to normal operation.

WARNING

It is recommended to only use Johnson Outdoors approved accessories with your Minn Kota motor, such as this i-Pilot Link system. Using non-approved accessories including to mount or control your motor may cause damage, unexpected motor operation and injury. Be sure to use the product and approved accessories, including remotes, safely and in the manner directed to avoid accidental or unexpected motor operation. Keep all factory installed parts in place including motor and accessory covers, enclosures and guards.

WARNING

When the motor is being controlled by the i-Pilot Link system, the Control Head will continue to perform the last task it was assigned, even when the remote is not powered "on". Be sure to know how to power the motor "on" and "off", and always be alert for unexpected motor movement, such as a turning propeller, even when the remote is powered "off". Refer to the Owner's Manual for how to control the motor without the i-Pilot Link remote and become familiar with it's features including how to turn it "on" and "off".

WARRANTY

WARRANTY ON MINN KOTA I-PILOT® AND I-PILOT® LINK™ WIRELESS GPS TROLLING SYSTEM ACCESSORY

Johnson Outdoors Marine Electronics, Inc. ("JOME") extends the following limited warranty to the original retail purchaser only. Warranty coverage is not transferable.

Minn Kota Limited Two-Year Warranty on the Entire Product

JOME warrants to the original retail purchaser only that the purchaser's new Minn Kota i-Pilot® or i-Pilot® Link™ Wireless GPS Trolling System Accessory will be materially free from defects in materials and workmanship appearing within two (2) years after the date of purchase. JOME will (at its option) either repair or replace, free of charge, any parts found by JOME to be defective during the term of this warranty. Such repair, or replacement shall be the sole and exclusive liability of JOME and the sole and exclusive remedy of the purchaser for breach of this warranty.

Exclusions & Limitations

This limited warranty does not apply to products that have been used commercially or for rental purposes. This limited warranty does not cover normal wear and tear, blemishes that do not affect the operation of the product, or damage caused by accidents, abuse, alteration, modification, shipping damages, negligence of the user or misuse, improper or insufficient care or maintenance. **DAMAGE CAUSED BY THE USE OF OTHER REPLACEMENT PARTS NOT MEETING THE DESIGN SPECIFICATIONS OF THE ORIGINAL PARTS WILL NOT BE COVERED BY THIS LIMITED WARRANTY.** The cost of normal maintenance or replacement parts which are not in breach of the limited warranty are the responsibility of the purchaser. Prior to using products, the purchaser shall determine the suitability of the products for the intended use and assumes all related risk and liability. Any assistance JOME provides to or procures for the purchaser outside the terms, limitations or exclusions of this limited warranty will not constitute a waiver of the terms, limitations or exclusions, nor will such assistance extend or revive the warranty. JOME will not reimburse the purchaser for any expenses incurred by the purchaser in repairing, correcting or replacing any defective products or parts, except those incurred with JOME's prior written permission. **JOME'S AGGREGATE LIABILITY WITH RESPECT TO COVERED PRODUCTS IS LIMITED TO AN AMOUNT EQUAL TO THE PURCHASER'S ORIGINAL PURCHASE PRICE PAID FOR SUCH PRODUCT.**

How To Obtain Warranty Service

To obtain warranty service in the U.S., the product believed to be defective, and proof of original purchase (including the date of purchase), must be presented to Minn Kota's factory service center in Mankato, MN. Any charges incurred for service calls, transportation or shipping/freight to/from the factory, labor to haul out, remove, re-install or re-rig products removed for warranty service, or any other similar items are the sole and exclusive responsibility of the purchaser. Products purchased outside of the U.S. must be returned prepaid with proof of purchase (including the date of purchase and serial number) to any Authorized Minn Kota Service Center in the country of purchase. Warranty service can be arranged by contacting the factory at 1-800-227-6433 or email service@minnkotamotors.com. **Products repaired or replaced will be warranted for the remainder of the original warranty period [or for 90 days from the date of repair or replacement, whichever is longer]. For any product that is returned for warranty service that JOME finds to be not covered by or not in breach of this limited warranty, there will be a billing for services rendered at the prevailing posted labor rate and for a minimum of at least one hour.**

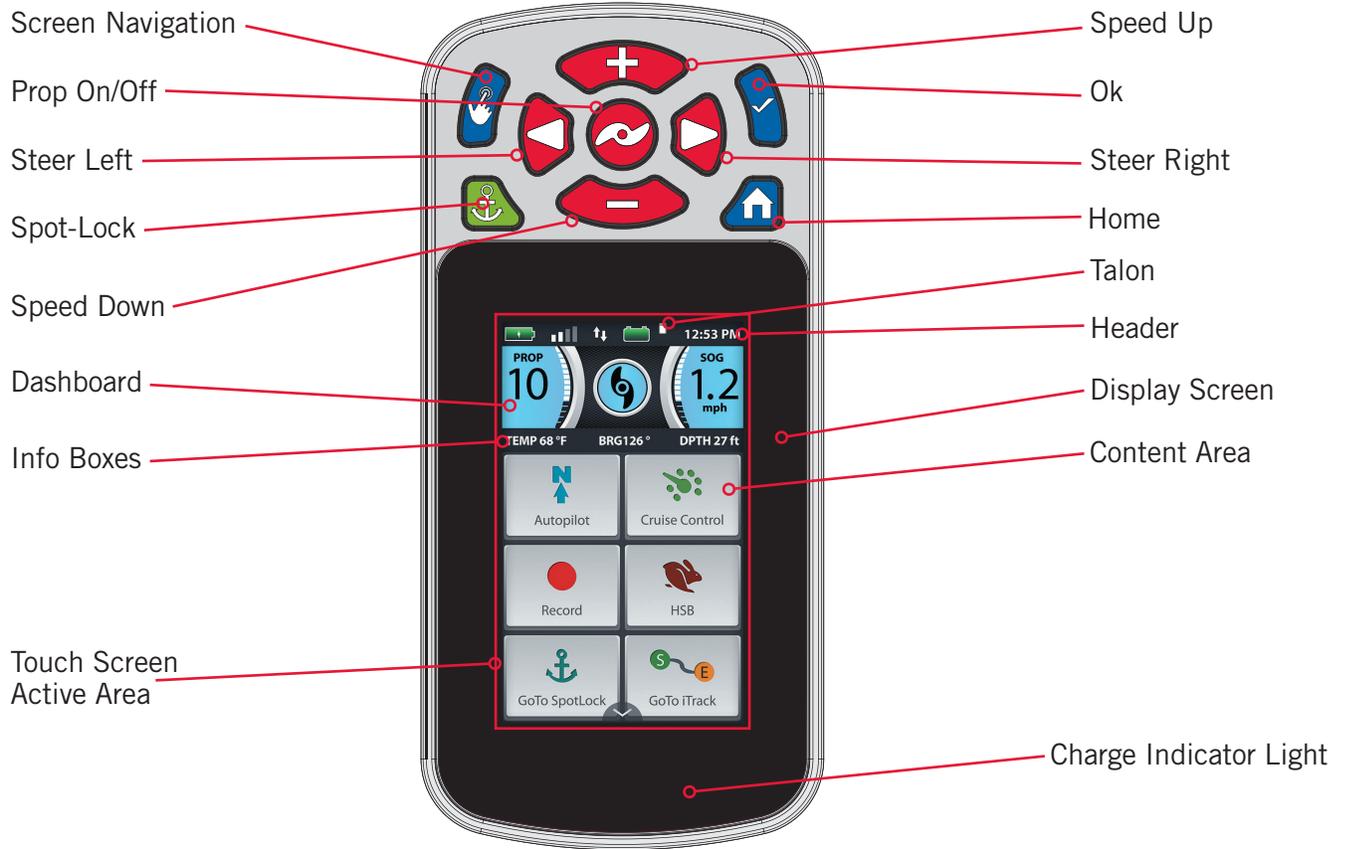
NOTICE: Do not return your Minn Kota product to your retailer. Your retailer is not authorized to repair or replace products.

NOTICE: THERE ARE NO EXPRESS WARRANTIES OTHER THAN THESE LIMITED WARRANTIES. IN NO EVENT SHALL ANY IMPLIED WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, EXTEND BEYOND THE DURATION OF THE RELEVANT EXPRESS LIMITED WARRANTY. IN NO EVENT SHALL JOME BE LIABLE FOR PUNITIVE, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. Without limiting the foregoing, JOME assumes no responsibility for loss of use of product, loss of time, inconvenience or other damage.

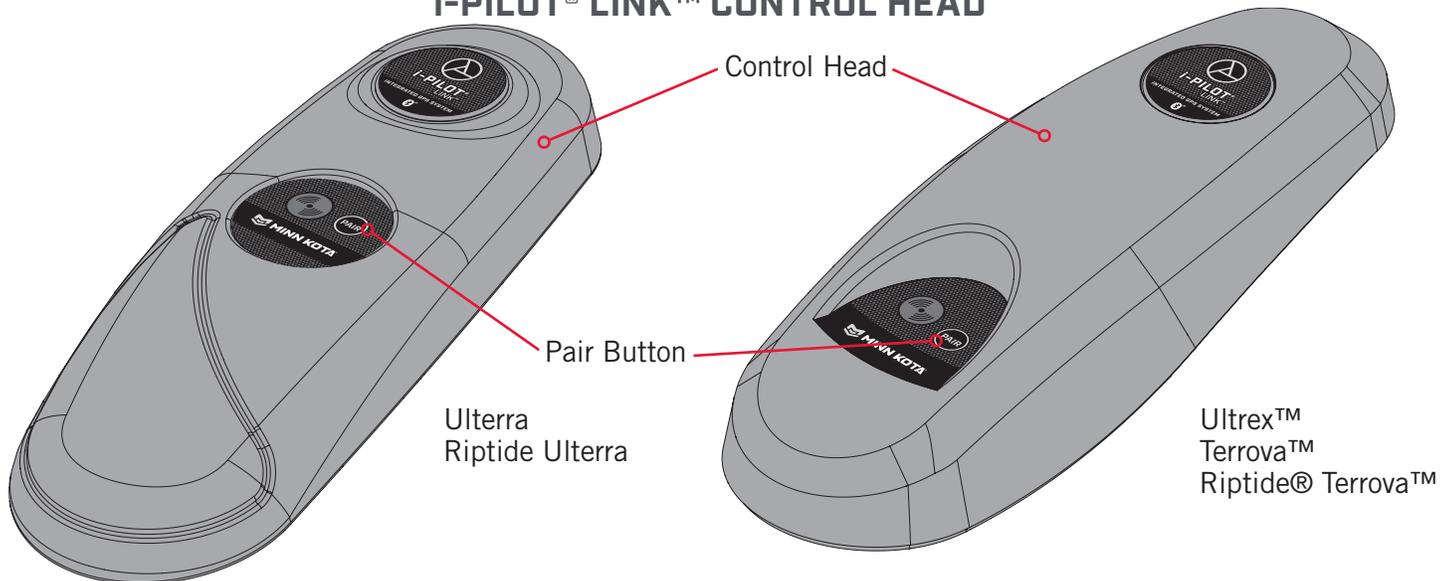
Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

FEATURES

i-PILOT® LINK™ REMOTE



i-PILOT® LINK™ CONTROL HEAD



NOTICE: Specifications subject to change without notice. This diagram is for reference only and may differ from your actual product.

REMOTE BUTTONS

MENU CONTROL BUTTONS >



Home

Press to bring up the Home Screen Buttons.



Screen Navigation

Press to navigate the menu without touching the screen. **Press and hold to lock and unlock the remote.**



Ok

Press to accept menu selections. Press to power remote on. Press and hold for 3 seconds to power remote off.

MANUAL CONTROL BUTTONS >



Speed Up & Speed Down

Press to increase or decrease motor speed.



Steer Left & Steer Right

Press to steer the motor to the left or to the right.



Prop On/Off

Pressing this button will turn the Prop on and off.

NOTICE: If Steer Right  or Steer Left  is held down for more than eight seconds, the steering will stop to prevent the coil cord from wrapping around the shaft.

NOTICE: If your motor is connected to a Heading Sensor, the Speed Down  (backwards), Speed Up  (forward), Steer Right  (right) and Steer Left  (left) buttons function change to Jog the boat while in Spot-Lock.

NAVIGATION BUTTONS >



Spot-Lock

Press to enable and disable Spot-Lock.

WARNING

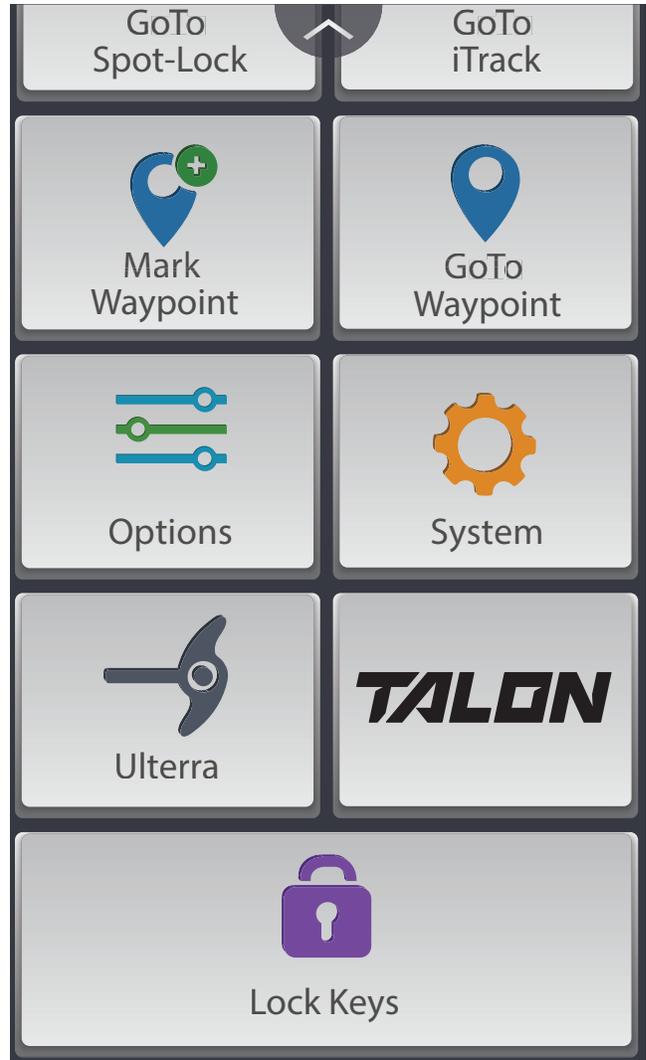
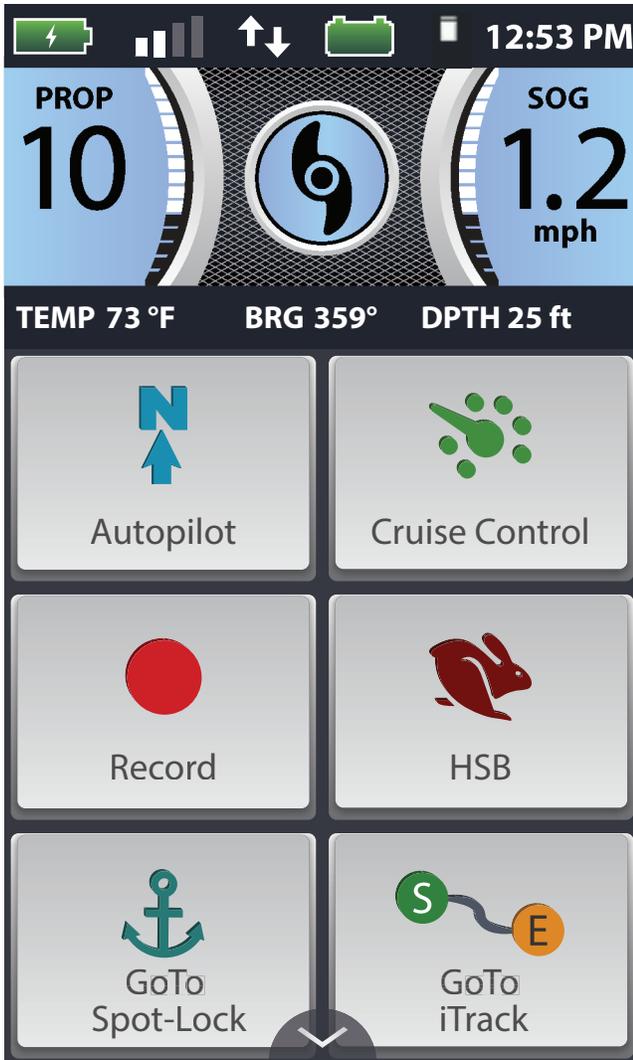
The i-Pilot Link remote is equipped with a touch screen. Be aware of accidental or unintentional contact with the remote touch screen in order to avoid accidental motor operation.

NOTICE: The remote is waterproof, but will not float.

REMOTE NAVIGATION

USING THE i-PILOT LINK REMOTE

The i-Pilot Link remote is equipped with a touch screen. Menus within the remote can be navigated using the buttons along the top of the remote, or by selecting options using the touch screen. Many of the menus with the i-Pilot Link system require the user to scroll up and down to view additional options in the Content Area. If it is preferred that the remote is only used with input from the top buttons, the touch functionality can be turned off.



WARNING

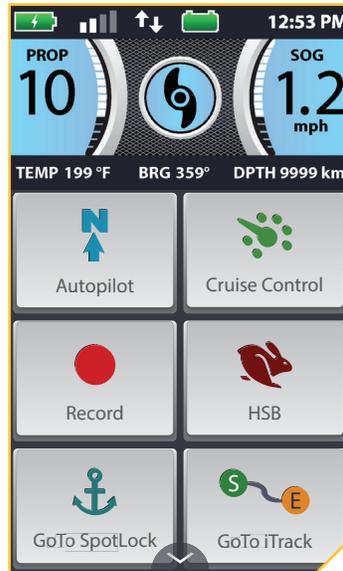
The i-Pilot Link remote is equipped with a touch screen. Be aware of accidental or unintentional contact with the remote touch screen in order to avoid accidental motor operation.

TOUCH SCREEN AND CONTROL BUTTONS

The i-Pilot Link remote can be controlled using the remote buttons, by utilizing the touch screen, or a combination of both. When using the remote buttons, the Screen Navigation  button will scroll through options and the Ok  button is used to select options. There is a green box highlighting selections when the buttons are used. The green selection box is not present when the screen is navigated using touch.



The Home Screen Buttons on the touch screen are disabled.



The Home Screen Buttons on the touch screen are active.



The Home Screen Buttons are Active and the Cruise Control button has been selected using the Screen Navigation  button and then the Ok  button.



The Home Screen Buttons are Active and the Cruise Control button has been selected using the touch screen.

NOTICE: Buttons may be made inactive while others remain active. There are a number of reasons that Home Screen Buttons may be inactive, including the remote not being paired or communicating with the controller, a GPS fix has not been made, the motor is stowed, or the Prop is locked out.

HUMMINBIRD CONTROL

Certain i-Pilot Link features can only be initiated from a compatible Humminbird fish finder. When the i-Pilot Link is connected to a Humminbird, features such as Follow the Contour and Circle Mode can only be initiated from the Humminbird. Active Bands for these functions can be viewed on the i-Pilot Link Remote, and minimal control can only be exercised over these functions from the remote. For a full list of features and information on how to control the i-Pilot Link with the Humminbird, please see the Humminbird documentation. For a list of Humminbird units and SD cards, that are compatible with i-Pilot Link, please visit minnkotamotors.com.

REMOTE NAVIGATION

THE OPTIONS MENU AND THE SYSTEM MENU

Become familiar with the Options Menu and the System Menu to easily navigate controls within the i-Pilot Link System.

Options Menu

The Options Menu is accessible by selecting it from the Home Screen Buttons. Become familiar with the choices in the Options Menu to better control the i-Pilot Link system. Options Menu selections include selecting the AutoPilot Mode, Arrival Mode, Prop Auto On, Backlight Timeout, Backlight, Screen Rotation, Sort Order, Auto Off, Language, Time, Units and Audio Mode.



System Menu

The System Menu is accessible by selecting it from the Home Screen Buttons. Become familiar with the choices in the System Menu to better control the i-Pilot Link system. System Menu selections include selecting About, Touch Screen, Menu Edit, Update Software, Pair, Boat Scale, Sensor Cal, Sensor Offset, Restore and Diagnostics.



NOTICE: Arrows are present on any menu when the menu has more options available. The arrows appear when there are more options either above or below the currently visible options.



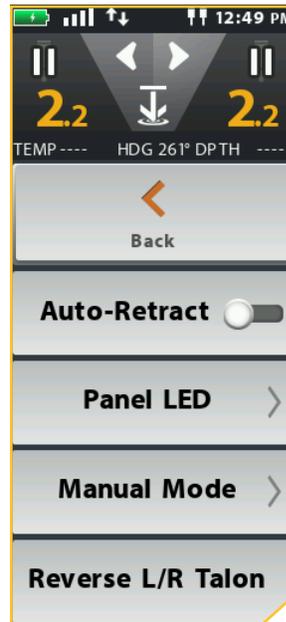
THE TALON MENUS

Become familiar with the Talon menus to easily control the Talon(s) within the i-Pilot Link System.



› Talon Menu

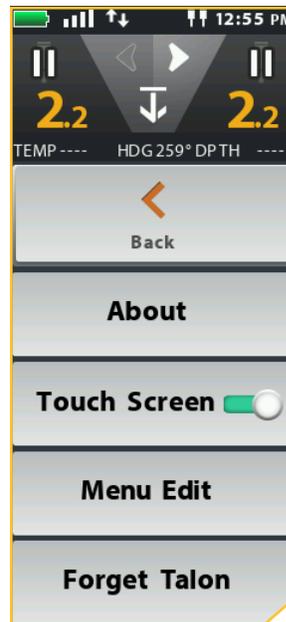
The Talon Menu is accessible by selecting the Talon Button from the Home Screen. The Talon Menu brings up the Talon Dashboard as well as additional settings that can be used to control the Talon from the i-Pilot Link System.



› Talon Options Menu

The Talon Options Menu is accessible by first selecting Talon from the Home Screen Buttons and then selecting Talon Options. Become familiar with the choices in the Talon Options Menu to better control the Talon(s) from the i-Pilot Link system. Talon Options Menu selections include Auto Retract, Panel LED, Manual Mode and Reverse L/R Talon.

NOTICE: When the Talon Menu is displayed on the i-Pilot Link remote, pressing the Spot-Lock, Prop, Steer Left, Steer Right, Speed Up or Speed Down buttons changes the Display Screen to the i-Pilot Link Home Screen.

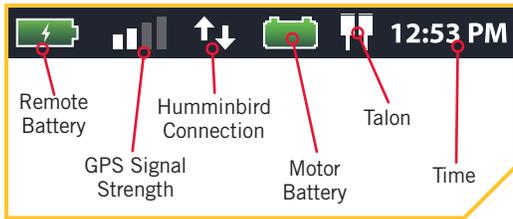


› Talon System Menu

The Talon System Menu is accessible by first selecting Talon from the Home Screen Buttons and then selecting Talon System. Become familiar with the choices in the Talon System Menu to better control the Talon(s) from the i-Pilot Link system. Talon System Menu selections include About, Touch Screen, Menu Edit and Forget Talon.

DISPLAY SCREEN

HEADER >



Remote Battery

Displays the battery level of the remote.



GPS Signal Strength

Displays the level of GPS signal strength. If no bars appear, or if the bars are flashing, the system has not yet acquired a GPS fix.



Humminbird Connection

Displays white arrows to show when the i-Pilot Link controller is communicating with the Humminbird. Grey arrows indicate that there is no communication.



Motor Battery ◆ ■

Displays motor battery level when prop is disengaged.

12:53 PM

Time

Displays the current time.



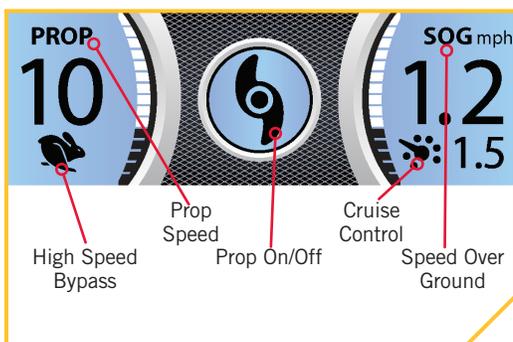
Talon

Displays the connection with one or two Talons and indicates if the Talon(s) are deployed. One icon will display in the event that one Talon is paired, and two will display if two Talons are paired. The icons will turn grey to indicate that the Talon(s) is not connected.

◆ Only available with Ultrera.

■ Only available with Ultrax.

i-PILOT LINK DASHBOARD >



PROP Prop Speed

Displays the current Prop Speed. Can be adjusted in 1/2 speed increments between 0 and 10.

SOG

Speed Over Ground

Displays the current speed over ground.



High Speed Bypass

Displays when High Speed Bypass is engaged.



Prop On/Off

Displays when the Prop is enabled. Rotates when the Prop is on and the Prop Speed is greater than zero. Blinks when a mode of navigation is used that requires the prop to be enabled.



Cruise Control

Displays when Cruise Control is engaged along with the Target Speed.



INFO BOXES >

TEMP 72 °F	BRG 359°	DPTH	1 ft
Temperature	Bearing		
TEMP 65 °F	HDG 255°	DPTH	5 ft
	Heading	Depth	

TEMP Temperature

The current water temperature based on communication with the Humminbird.

BRG Bearing

Bearing is the direction from the boat's current location to the target destination during navigation.

HDG Heading

Heading is the direction that the motor is pointing.

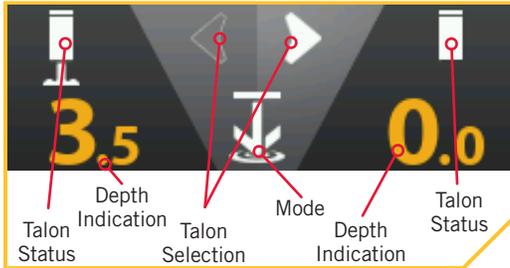
DPTH Depth

The current water depth based on communication with the Humminbird.



DISPLAY SCREEN

TALON DASHBOARD



Talon Selection - Both

Indicates both the Port and Starboard Talons are selected and will be controlled while operating. Press to toggle between left, right and both Talons. This option is only seen when the remote is set up to control two Talons.



Talon Selection - Left

Indicates the left Talon is selected and will be controlled while operating. By default the left Talon is the Port side Talon when multiple Talons are installed and paired. This can be changed in the Talon Options menu.



Talon Selection - Right

Indicates the right Talon is selected and will be controlled while operating. By default, the right Talon is the Starboard side Talon when multiple Talons are installed and paired. This can be changed in the Talon Options menu.



Standard Mode

Standard Mode is the default anchoring Mode for Talon. In Standard Mode, Talon's Auto Deploy will operate with maximum down-force with a complete Auto-Drive cycle of three hits spaced at three seconds apart. When put in Standard Mode, the Mode Indicator LED in the Indicator Panel will toggle between red and green and then turn off.



Rough Water Mode

In Rough Water Mode, the Mode LED Indicator on the Indicator Panel will be lit red. In Rough Water Mode, the Auto Deploy will operate with maximum down-force with three Auto-Drive cycles of three hits each, spaced 3 seconds apart. **The three Auto-Drive cycles will be spaced at 10 second intervals.**



Soft Bottom Mode

In Soft Bottom Mode, the Mode Indicator LED will be lit green on the Indicator Panel. In Soft Bottom Mode, the Auto Deploy will operate at a reduced power with a single hit. During calm conditions or on water with muddy or soft sandy bottoms, Soft Bottom Mode will prevent the Talon from over-anchoring.



Talon Retracted

Indicates that the Talon is fully retracted.



Talon Anchored

Indicates the Talon is anchored



Manual Retract

Indicates that the Talon has been placed into Manual Retract Mode. This may apply to the left, right or both Talons.

NOTICE: When the Talon Menu is displayed on the i-Pilot Link remote, pressing the Spot-Lock , Prop , Steer Left , Steer Right , Speed Up , or Speed Down  buttons changes the Display Screen to the i-Pilot Link Home Screen.

i-PILOT LINK HOME SCREEN BUTTONS >



Legacy AutoPilot

The AutoPilot button is used to engage and disengage Legacy AutoPilot.



Advanced AutoPilot

The AutoPilot button is used to engage and disengage Advanced AutoPilot.



Record

The Record button is used to start and stop recording an iTrack.



HSB

Select the HSB (High Speed Bypass) button to engage High Speed Bypass. High Speed Bypass automatically sets the Prop speed to 10. Double press to engage. Single press to disengage.



Lock Keys

Press and hold the Lock Keys button to lock the buttons and touch screen. Pressing and holding the Screen Navigation  button also locks and unlocks the remote buttons and touch screen.



Cruise Control

Press the Cruise Control button to enable or disable Cruise Control. Once Cruise Control is enabled, pressing the Speed Up  or Speed Down  buttons will change the Target Speed rather than the Prop Speed.



Mark Waypoint

Press to mark a Waypoint.



System

Press the System button to open the System menu and adjust settings within the i-Pilot Link system.



Options

Press the Options button to open the Options menu and adjust options within the i-Pilot Link system.



Go To Spot-Lock

The Go To Spot-Lock button is used to open a menu used to navigate to a Spot-Lock location. The i-Pilot Link system will only bring up Spot-Locks within a quarter mile range.



Go To iTrack

The Go To iTrack button is used to open a menu used to navigate to an iTrack. The i-Pilot Link system will only bring up iTracks within a quarter mile range.



Go To Waypoint

The Go To Waypoint button is used to open a menu used to navigate to a Waypoint location. The i-Pilot Link system will only bring up Waypoints within a quarter mile range.



Ulterra

The Ulterra button is used to access functions specific to controlling the Ulterra.



Talon

The Talon button is used to access functions specific to controlling Talon(s) on the i-Pilot System.

DISPLAY SCREEN



TALON MENU BUTTONS >



Up

Retracts the active Talon(s). Will be replaced by Pause as the action is taking place.



Down

Used to deploy the anchor. Must be double-pressed to engage.



Pause

When pressed, it interrupts the current action. The Talon(s) will remain at the current depth until another command is sent. The action for both deploying and retracting the anchor can be paused. The pause button may appear in place of the Up or Down buttons, during deploying or retracting and will disappear when pressed while the unit is paused.



Anchor Mode

Select the Anchoring Mode between Standard Mode, Soft Bottom or Rough Water. The appearance of the button and the icon in the Talon Dashboard will change depending on the Mode selected.



i-Pilot

Select to return to the i-Pilot Link Menu.



Active Talon

Allows the user to select the active Talon and can be set to either, left, right or both. The appearance of the button and the icon in the Talon Dashboard will change depending on the Talon selected and the condition of how many Talons are paired to the system.



Talon Work Light

Press to gain access to the Work Light options including selecting the Work Light color and intensity.



Talon Options Menu

Press to open the Talon Options Menu.



Talon System Menu

Press to open the Talon System Menu.

NOTICE: The buttons in the Talon Menu may become inactive if the Talon is not connected or communication with the i-Pilot Link System.



INTERFACE ICONS >



Home

Press to go to the Home Screen.



Back

Select to go back to the previous screen.



Cancel

Select to cancel current action.



Sort Order

Select to change the sort order of a Go To list. Lists can be sorted by distance, time, or alphabetically by name.



Update/Restore

Press to run an update when in the Update Software menu. Updates done from the remote are to update the remote. When in the Restore menu, press to restore the i-Pilot Link's factory settings.



Increase/Add

Press to increase when making an adjustment such as increasing screen brightness or adjusting course offset.



Decrease/Minus

Press to decrease when making an adjustment such as decreasing screen brightness or adjusting course offset.



To Start

When navigating an iTrack, select to navigate to the start of the iTrack.



To End

When navigating an iTrack, select to navigate to the end of the iTrack.



Set

Select to set the Heading Sensor offset.



Start

Select to start the Heading Sensor Calibration process.



Trim Up ♦

Used to Trim the motor up.



Trim Down ♦

Used to Trim the motor down.



Save

When editing the menu, select to save the menu layout.



Save

Select to save a temporary Spot-Lock.



Reverse

Select to reverse the direction of navigation, such as when navigating an iTrack or Route.



Forward

Used to navigate forward. Such as in Spot-Lock Jog.



Right

Used to navigate to the right. Such as in Spot-Lock Jog.



Back

Used to navigate back. Such as in Spot-Lock Jog.



Left

Used to navigate to the left. Such as in Spot-Lock Jog.



Pause

Pause will suspend the current mode of navigation when Spot-Lock is enabled, and can be resumed from the Spot-Lock. Record, Follow the Contour, Routes, iTracks and Circle Mode always pause. GoTo Spot-Lock, GoTo Waypoint and HSB never pause. AutoPilot and Cruise will only pause when running concurrently with other modes that always pause.



Resume

Press to resume the initial navigational function.



Stop and Save iTrack

Select to stop and save an iTrack that is being recorded.

♦ Only available with Ultrera.

■ Only available with Ultrax.

DISPLAY SCREEN



ACTIVE BANDS >

Active Bands appear on the i-Pilot Link remote any time a navigational function is engaged. They are designed to tell more about how the system is functioning and display information to the user that is helpful in navigation. Active Bands are slightly different depending on the type of navigation that is being executed. Become familiar with the most common Active Bands.



Legacy AutoPilot

Appears when AutoPilot is engaged and the default AutoPilot Mode is set to Legacy. Selecting the contextual band will allow you to toggle between AutoPilot modes.

Advanced AutoPilot

Appears when AutoPilot is engaged and the default AutoPilot Mode is set to Advanced. Selecting the contextual band will allow you to toggle between AutoPilot modes.

Go To iTrack

Appears when an iTrack is being navigated. Variations of this contextual band may show the position of the boat, a distance, and the To Start and To End locations reversed.

Go To Spot-Lock

Appears when you Go To a Spot-Lock location and the Spot-Lock location is more that 100 feet from the current location. Variations of this contextual band may show the position of the boat, a distance and the Spot-Lock icon.

Go To Waypoint/Follow the Route

Appears when you follow a route or Go To a Waypoint. Variations of this contextual band may show the position of the boat, a distance, and label end points as a Waypoint or Spot-Lock.

Record

Appears when an iTrack is being recorded. Variations show progress along the maximum length of an iTrack and the distance that is recorded.

Follow the Contour

Appears when Follow the Contour is being navigated. It is initiated by the Humminbird. Variations show the depth of the contour and the distance the boat is offset from the contour.

Circle Mode

Appears when Circle Mode is being navigated. It is initiated by the Humminbird. Variations show the depth of the contour and the distance the boat is offset from the contour.

Routes

Appears when a Route is being navigated. It is initiated by the Humminbird. Variations show the depth of the contour and the distance the boat is offset from the contour.

Spot-Lock

Appears when Spot-Lock is engaged. Variations include the distance from the Spot-Lock, a boat icon, a pause icon, and the a save icon.

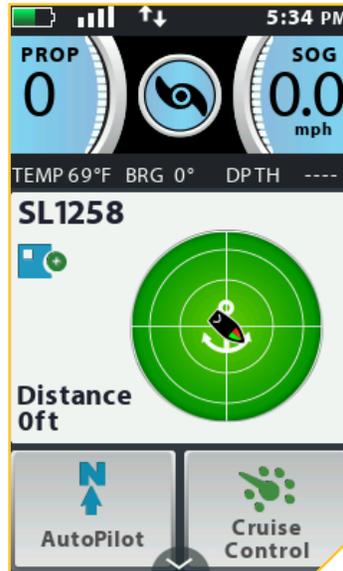


Sample Active Bands

Become familiar with some of the active bands used on the i-pilot link remote interface.



The Advanced AutoPilot Active Band appears when Advanced AutoPilot is engaged.



The Spot-Lock Active Band appears when Spot-Lock is engaged. The Save icon indicates that the Spot-Lock has not yet been saved.



The Go To Spot-Lock Active Band appears when the boat is navigating to a saved Spot-Lock. The Spot-Lock being navigated to is 204 feet away.



The Go To Waypoint Active Band appears when the boat is navigating to a saved Waypoint. The Waypoint 1282 is 163 feet away.



The Record iTrack Active Band appears while a recording is in progress. The boat has traveled 209 feet during the current recording.



The iTrack Active Band appears when a Go To iTrack action is taking place. The current To Start location on the iTrack being navigated is 0.21 statute miles away.



The Follow the Contour Active Band appears when the boat is navigating with Follow the Contour. The Contour being followed is 10 feet. The Offset is set to 0 feet.



The Circle Mode Active band appears when the navigation is set to Circle Mode. The current circle radius is set to 30 feet.

GETTING STARTED

THE i-PILOT LINK SYSTEM

The i-Pilot Link navigation system comes pre-installed on your trolling motor. If your system comes with a Heading Sensor, the Heading Sensor needs to be installed and paired with the i-Pilot Link controller. The i-Pilot Link controller is contained in the motor Control Head. Please see the "Heading Sensor" portion of this manual for more information on the Heading Sensor. The i-Pilot Link remote also comes paired to the controller from the factory. The i-Pilot remote and controller make up the i-Pilot Link navigation system. The top of the motor Control Head also has a single Pair button to allow additional remotes and the Heading Sensor to be paired to the system. A remote can only be paired with one controller at a time. The i-Pilot Link controller contains a very sensitive compass and is where all GPS satellite and i-Pilot Link remote signals are received. Before each startup, it is recommended to inspect the Remote, Propeller, and Control Head for damage and to make sure that there are no obstructions that would affect communication between the Control Head, the GPS signal and the Remote, or boat movement.

NOTICE: It is very important that the controller have a clear view of the sky in all directions and has a clear line of sight to the remote for optimum performance.

› Power

The i-Pilot Link Control Head will turn on whenever the trolling motor has power. Refer to the Owner's Manual for your specific motor to determine how to power up your trolling motor. Owner's Manuals can be found online at minnkotamotors.com. It is recommended to turn off and disconnect the power source from the trolling motor when not in use.

› Accuracy

The accuracy and responsiveness with which i-Pilot Link controls your boat is highly dependent upon many variables. Just a few of these variables and their general effects on responsiveness and accuracy are given below so that the behavior of the system can be understood.

Variable	Effect
Ratio of motor thrust to boat weight	Excessive thrust on a smaller boat can cause i-Pilot to over correct. Not enough thrust on a large boat can cause i-Pilot to respond slowly.
Wind	Excessive wind and/or current can reduce i-Pilot's positioning accuracy.
GPS signal strength	The greater number of GPS signal bars the greater the accuracy.
Trolling motor battery power level	A fully charged battery will give the best performance.

⚠ CAUTION

This unit uses a magnetic compass to detect direction of travel. The compass can be adversely affected by magnets or large, ferrous metal objects near (within 24" of) the trolling motor control head.

Obstructions on the propeller may cause excessive vibration of the motor head. This vibration can cause the compass to wander and erratic steering to occur. Clear the obstruction to return the motor to normal operation.

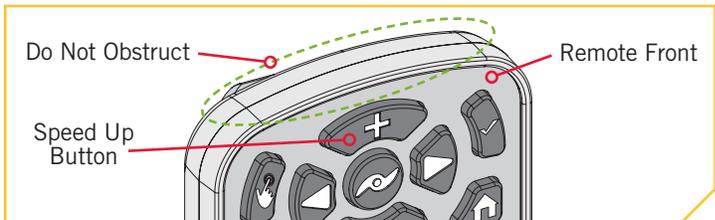
Power should be disconnected from the motor when not in use. Removing the motor from the power source will ensure that current is not reaching the electronics when not in use.

› Navigation

i-Pilot Link uses GPS satellite signals as well as digital compass data to know where it is, where its heading and the direction the motor is pointing. Since i-Pilot Link depends on GPS satellite signals for navigation, a minimum GPS signal of one bar is required in order for GPS navigation controls to be enabled. Best results are achieved when GPS signals of four bars can be obtained.

› Range

The range of the remote will be greatly reduced if it is used near or mounted to any metal object including aluminum or steel. It is also recommended that the front end of the remote, near the Speed Up  button, not be obstructed during use.



» **Battery**

The Remote is powered by a rechargeable battery. By default, the remote will automatically turn itself off after the last button press based on the factory preset. To adjust the length of time that the remote stays powered on, please review the "Set the Remote Auto Off" section of this manual.

NOTICE: Remote battery life is subject to frequency of use and is especially impacted by how often and bright the LCD backlight is used.

⚠ CAUTION

Extreme temperatures can lead to battery damage, such as capacity loss, leakage or rupture of battery. A damaged battery may damage your remote. Avoid storing your remote in extreme temperatures. The operating temperature of your remote is -10C to 50C (14 °F to 122 °F).

SYSTEM STARTUP »

» **Connect i-Pilot Link to the Humminbird**

The i-Pilot Link can be connected directly to the Humminbird or to the Humminbird Ethernet Switch (optional). If you purchase the Ethernet Switch, install it using the instructions included in the Ethernet Installation Guide. The Ethernet Extension Cable is optional for your installation. To purchase Ethernet switches, Ethernet cables, and extension cables, visit our Web site at humminbird.com or call Humminbird Customer Service at 1-800-633-1468. Depending on the shape of the Ethernet port on your Humminbird Fish finder, an additional ethernet adapter cable may be required for the installation. Refer to your Fish finder operations manual or see the i-Pilot Link Compatibility Chart on our Web site at minnkotamotors.com.

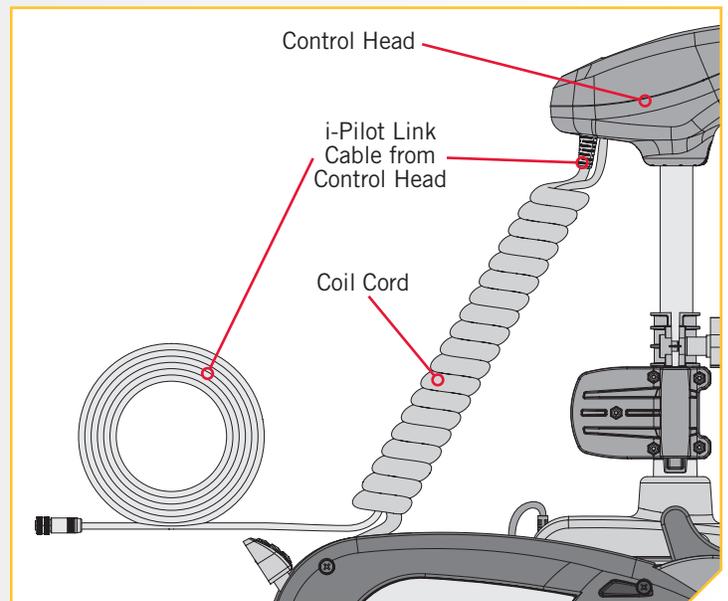
- 1** a. Locate the Ethernet cable on the i-Pilot Link System that exits at the Control Head.

⚠ WARNING

The power source must be turned off before you proceed with this installation.

- b. Remove the power from the motor or make sure that the breaker, if equipped is turned "off".

NOTICE: The appearance of your trolling motor may vary, but the location of the i-Pilot Link Cable and recommended routing will be the same.

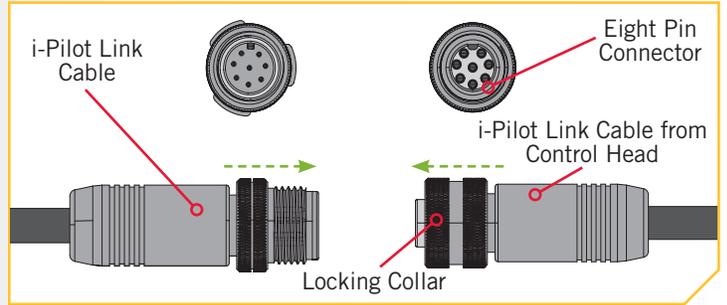


GETTING STARTED

2

- c. If you are using an Ethernet extension cable for your installation, connect it to the i-Pilot Link from the Control Head. Hand tighten the Locking Collar.

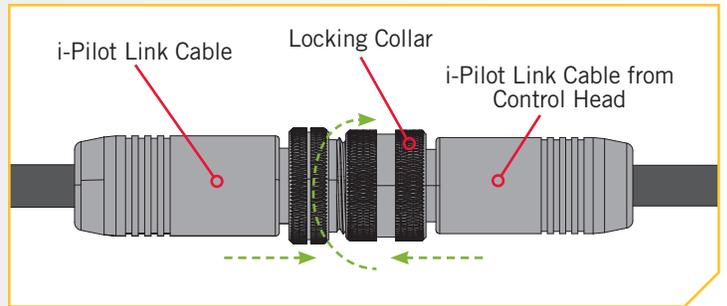
NOTICE: The connectors are keyed to prevent reversed installation. Be careful not to force the connectors together.



3

- d. Route the i-Pilot Link Cable to the Ethernet port on the Humminbird or to an available Ethernet port on the Ethernet Switch.

NOTICE: The cable should be routed through an established routing system on the boat, in an area with minimal interference. Inspect the selected route carefully to ensure that there are no sharp edges, obstacles, or obstructions that may damage the cables.



- e. Hand tighten the Locking Collar.

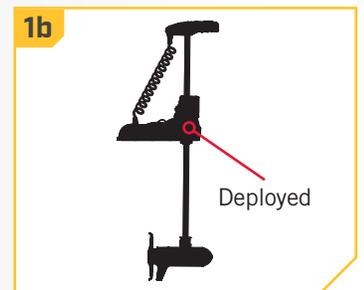
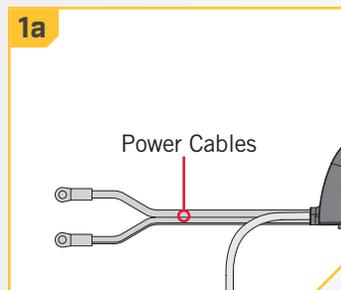
Power up the i-Pilot Link System

Follow these simple steps each time you power up your trolling motor for successful operation:

1

- a. Connect trolling motor to power.
- b. Deploy trolling motor into water.

NOTICE: i-Pilot Link startup varies slightly between trolling motor models. The i-Pilot controller, in the Control Head, can communicate with the remote when the motor is stowed, once the motor and remote have power. When the motor is stowed, remote buttons will be disabled.

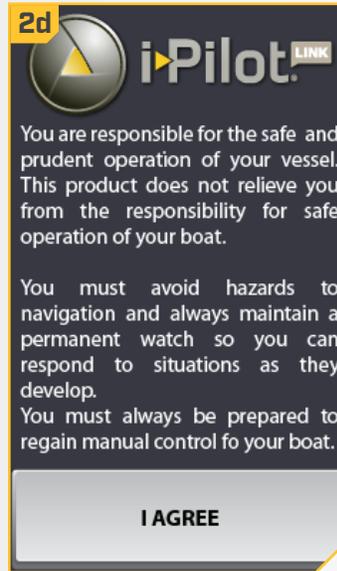


2

- c. Press and hold the Ok  button on your remote. The display screen will turn on. A message about i-Pilot Link operation will appear on the display screen. Read the disclaimer before you continue.
- d. A "I Agree" button will be present at the bottom of the Content Area. After reading the disclaimer, select the "I Agree" button" using your finger or by scrolling to it with the Screen Navigation  button and pressing the Ok  button to select it.

NOTICE: The i-Pilot Link remote can be controlled using the remote buttons, by utilizing the touch screen, or a combination of both. Instruction on how to navigate the remote for the first step in the instructions in each section of the manual will include how to use both ways to control the remote. Subsequent steps in each sections of instructions will only detail how to utilize the touch screen.

- e. The display screen will then show the Home Screen Buttons in the Content Area.
- f. You are now able to use all manual functions in the remote including Speed Up , Speed Down , Steer Left , Steer Right , and Prop On/Off .
- g. After i-Pilot Link has obtained a minimum GPS signal strength of one bar, all remaining functions will become available.



NOTICE: The Home Screen Buttons and appearance of the Content Area will vary slightly in appearance based on motor model and factory default selections. Home Screen Buttons can be customized. Please see "To Edit the Home Screen Button Menu" in the "Remote Controls" section of this manual.

GETTING STARTED

Charging the Remote Battery

The remote can be recharged while the remote is on or off. Follow these simple steps each time you need to charge your i-Pilot Link remote.

1

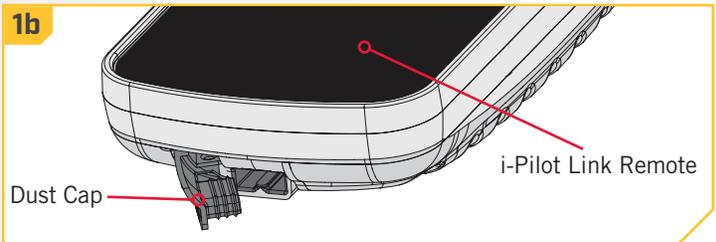
- a. Locate the Dust Cap at the base of the remote.
- b. Open the Dust Cap Cover in order to plug in the charging cable.

NOTICE: The remote will not charge if it becomes too hot. The Remote protects itself if it detects extreme heat and will not charge. To continue charging the Remote, allow it to cool down.

1a

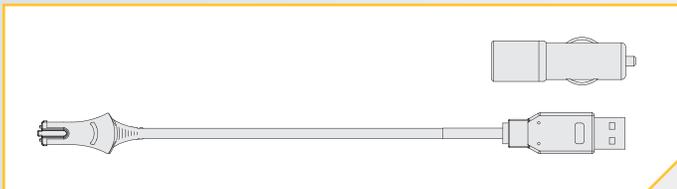


1b

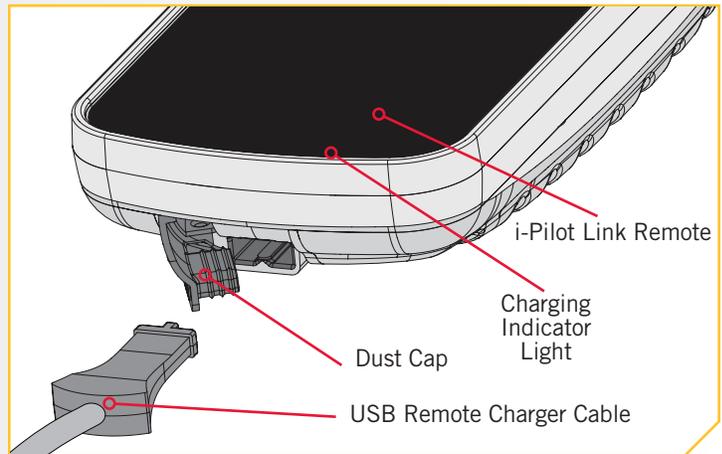


2

- c. Plug the USB Remote Charger into the remote. The Charging Indicator Light will illuminate whenever an energized charging cable is connected.



NOTICE: Minn Kota recommends only charging the i-Pilot Link remote with the charger provided by Minn Kota. The Minn Kota charger is 5 volts DC, 2.1 amps.



NOTICE: The USB end of the charging cable is not intended for prolonged exposure to saltwater environments.

AUDIO MODES

UNDERSTANDING AUDIO MODES

The i-Pilot Link controller in the Control Head contains an internal speaker which can be configured to work in two different audio modes. The unit is factory set to Audio Mode 2. Review the modes below to determine what audio patterns are caused by conditions in each audio mode.

Audio Pattern	What Condition Causes Audio Pattern	Audio Mode
Error	Attempting to enable a GPS feature when no signal strength bars are shown.	Mode 2
	Attempting to Go To iTrack, Spot-Lock or Waypoint when the boat is beyond the minimum required distance.	Mode 2
	The Momentary Button on the foot pedal is pressed, for applicable motors, and a remote button press attempts to override it.	Mode 2
	When GPS signal strength goes to no bars while in a GPS-based mode.	Mode 2
	When overriding navigation by steering with the foot pedal or remote.	Modes 1 and 2
Single Beep	Speed + (When less than maximum speed.)	Mode 2
	Speed - (When greater than speed 0.)	Mode 2
	Enable High Speed Bypass.	Mode 2
	Switch to Audio Mode 1	Modes 1 and 2
	Manual Prop on	Mode 2
	Enabling or disabling Record, GO TO, AutoPilot, Cruise Control or Spot-Lock.	Mode 2
Double Beep	Disable High Speed Bypass.	Mode 2
	Switch to Audio Mode 2	Modes 1 and 2
	Manual Prop off	Mode 2
3 longer Beeps	Pair successfully completed	Modes 1 and 2
4 Short Beeps	Startup	Modes 1 and 2
Steady Tone	Pair button is pressed.	Modes 1 and 2
High-Low, High-Low, High-Low	End of iTrack attained during track playback (in conjunction with canceling mode and turning the prop off)	Mode 2

AUDIO MODES

AUDIO MODE CONTROL >

> Changing the Controller Audio Mode

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.



2

- Once in the Options Menu, scroll through to find the Audio Mode  option, and select it.
- The Audio Mode options appear. Select either "Audio Mode 1"  or "Audio Mode 2" . The circle to the right of the selected mode will be colored in green when selected.

NOTICE: When Audio Mode 1 is selected, the Control Head will emit one beep. When Audio Mode 2 is selected, the Control Head will emit two beeps.

- To exit the menu, select either the Back  button or the Home  button.



SPOT-LOCK

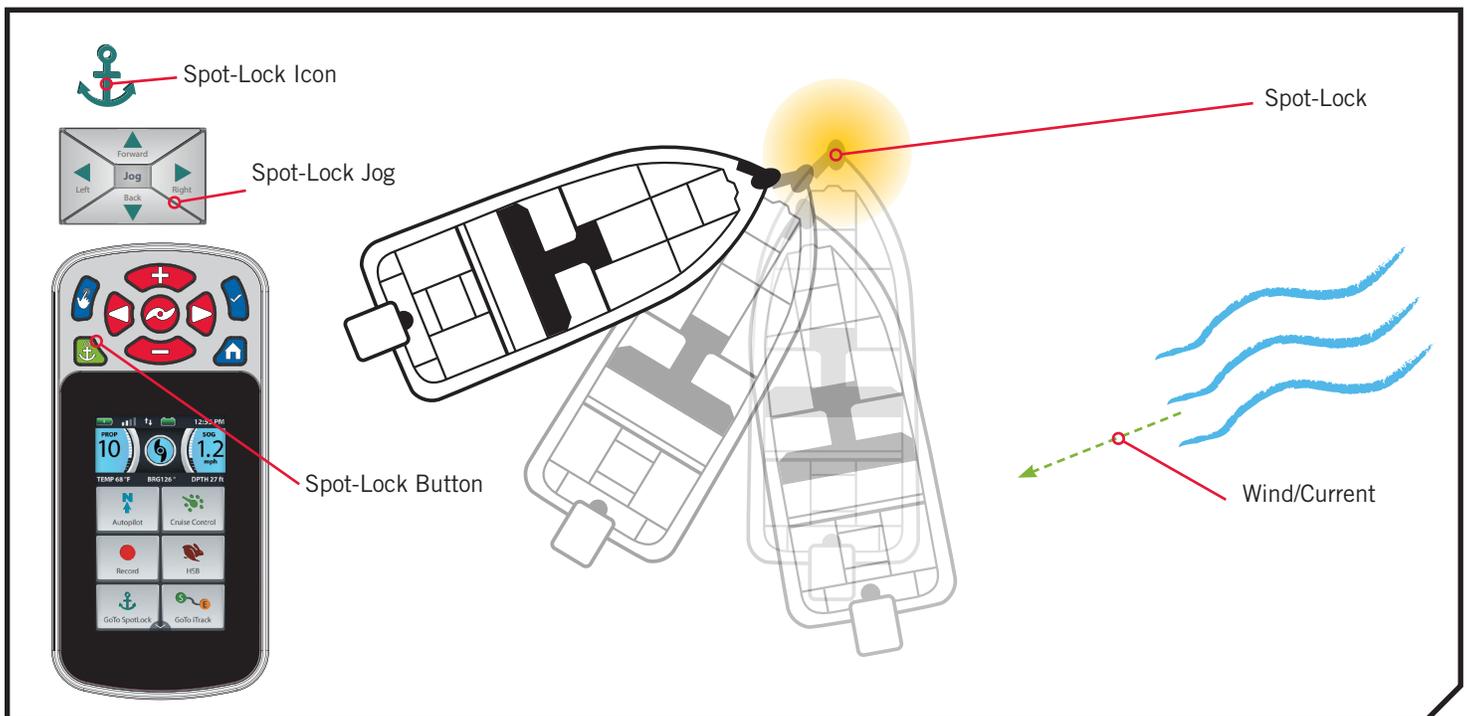
HOW SPOT-LOCK WORKS

Spot-Lock uses a single point of reference that is recorded when the Spot-Lock button is pressed. The reference point is a set of GPS coordinates that are captured at the location of the motor at the moment the button is pressed. This point is recorded and can be saved into one of the Spot-Lock memory locations. Spot-Lock works by recognizing the GPS coordinates and will automatically navigate the boat to keep it at the Spot-Lock location. If i-Pilot Link sees the motor is not positioned at the Spot-Lock location, it will control motor speed and direction in an attempt to keep the motor on the Spot-Lock.

NOTICE: Spot-Lock is based on the location of the motor, not on the location or direction of the boat. Outside forces such as wind and current will cause the boat to move. Spot-Lock will navigate to maintain the motor on the Spot-Lock location regardless of the position of the boat.

⚠ WARNING

Watch for a turning propeller when working with Spot-Lock and Go To Spot-Lock. The propeller will automatically turn on when Spot-Lock or Go To Spot-Lock are engaged, even if the engagement is accidental. A turning propeller can cause injury. The propeller will turn "on" for Spot-Lock and Go To Spot-Lock regardless of the Prop Auto On setting.



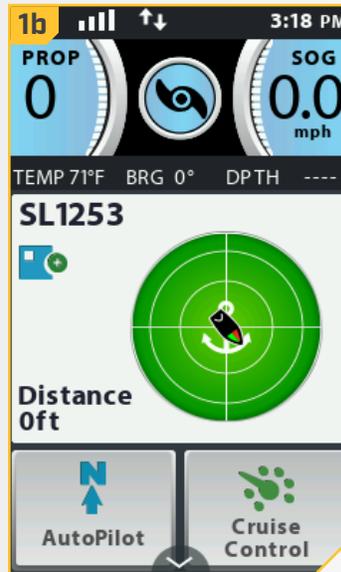
SPOT-LOCK

SPOT-LOCK FUNCTIONS >

> Engaging Spot-Lock

1

- Press the Spot-Lock  button.
- The Spot-Lock Active Band will appear in the Content Area. The information for the temporary Spot-Lock location will show up in the Spot-Lock Active Band. The save icon will appear in the upper left corner of the Active Band indicating the Spot-Lock is temporary and that the Spot-Lock can be saved.
- Select the Spot-Lock Active Band to bring up the Spot-Lock Control Screen. Select the Spot-Lock Active Band using either your finger or the Screen Navigation  button. Scroll through the Spot-Lock Control Screen to find the Save  button.

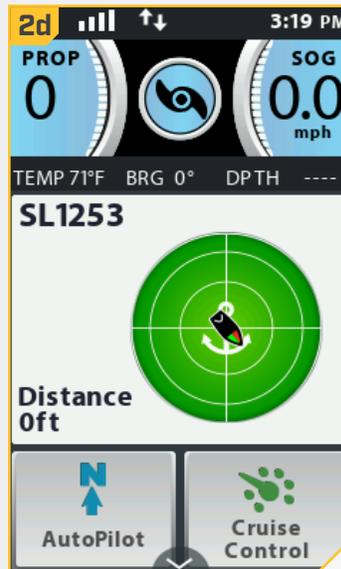


2

- Select the Save  button to save the Spot-Lock. The Save icon will disappear from the Active Band.

NOTICE: 16 Spot-Lock locations are able to be recorded to memory when the i-Pilot Link system is not connected to a fish finder. When the system is connected to a fish finder, the number of Spot-Locks that can be saved is dependent on your fish finder.

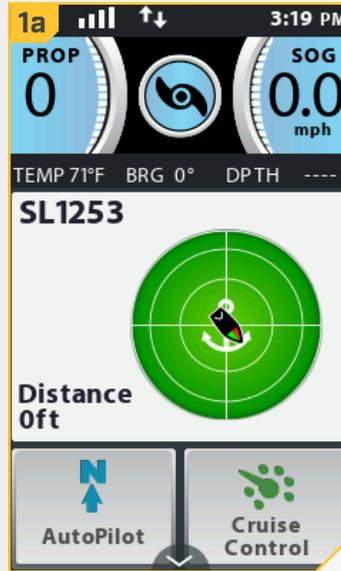
NOTICE: If the Spot-Lock button is accidentally pressed, press the Spot-Lock  button again to cancel Spot-Lock.



Disengaging Spot-Lock

- 1
 - a. With Spot-Lock engaged, press the Spot-Lock  button on the remote to disengage Spot-Lock.
 - b. The Spot-Lock Active Band will disappear from the Content Area.

NOTICE: If your motor is equipped with a foot pedal, pressing any button on the foot pedal, or manually steering the motor with the foot pedal will disengage Spot-Lock. Manually steering or adjusting the Prop Speed with the Remote will also cancel Spot-Lock. Selecting the Cancel  button from the Spot-Lock Control Screen will also cancel Spot-Lock.



Go To a Saved Spot-Lock

- 1
 - a. Manually navigate the boat to within a quarter mile of the saved Spot-Lock location.
 - b. Press the Home  button.
 - c. Scroll through the Home Screen Buttons in the Content Area using either your finger or the Screen Navigation  button to find the Go To Spot-Lock  button.
 - d. Select the Go To Spot-Lock  button by pressing it with your finger or pressing the Ok  button.

WARNING

Due to safety reasons, i-Pilot will not re-engage a saved Spot-Lock location greater than a quarter mile away.

- e. A list of Spot-Locks that are within a quarter mile will appear. Scroll through the list of Spot-Locks to find a Spot-Lock to navigate to and select it.

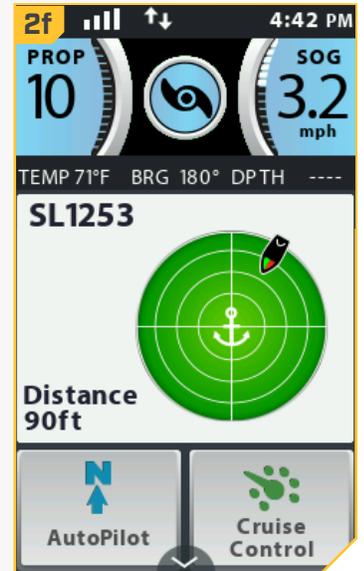


SPOT-LOCK

2

- f. The Spot-Lock Active Band will appear in the Content Area. The appearance of the Active Band will vary depending on the distance between the current location and the selected Spot-Lock.

NOTICE: The Spot-Lock Active band will look similar to the appearance in image 2f on immediate right if the distance to the Spot-Lock is greater than 100 feet. If the distance is less than 100 feet, the image for the Spot-Lock Active Band will change in appearance and look similar to the image in 2f on the far right.



Disengage Go To Spot-Lock

1

- a. While Go To Spot-Lock is engaged, scroll through the Content Area to find the Go To Spot-Lock Active Band.
- b. Select the Go To Spot-Lock Active Band using either your finger or by pressing the Ok button to open it.
- c. Select the Cancel button. The Go To Spot-Lock Active Band will disappear from the Content Area.

NOTICE: Pressing the Prop button, or manually controlling the speed or steering with the Remote or Foot Pedal will also disengage Go To Spot-Lock.

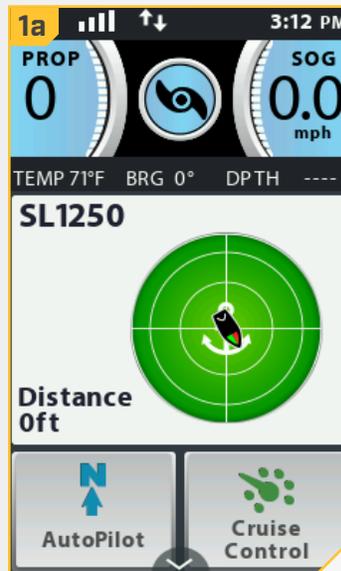
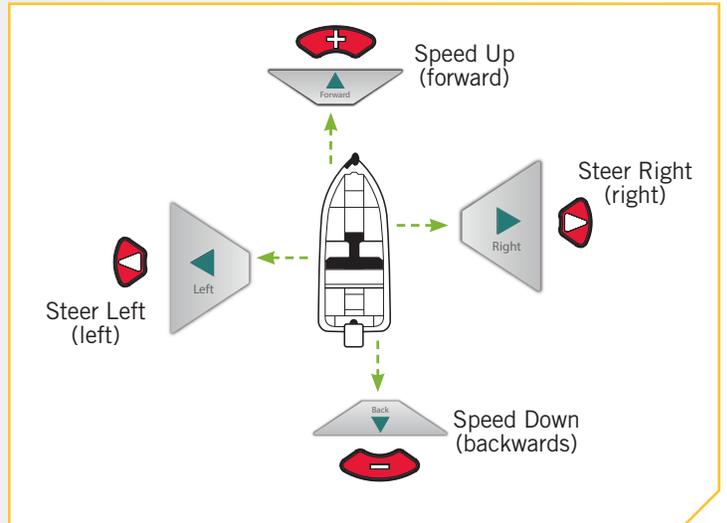


Spot-Lock Jog

Spot-Lock Jog is a feature that is only available with a Heading Sensor. For information on the Heading Sensor, go to the "Heading Sensor" section of this manual. Spot-Lock Jog allows you to jog the Spot-Lock location 5 feet in the selected direction from the current Spot-Lock location.

1.
 - a. To engage Spot-Lock Jog, first engage Spot-Lock. Use the Speed Down (jog backward), Speed Up (jog forward), Steer Left (jog left), and Steer Right (jog right) buttons to jog the Spot-Lock location 5 feet in the selected direction from the current Spot-Lock location.
 - b. To Jog the Spot-Lock location with the Screen Navigation button, select the Spot-Lock Active Band to open the Spot-Lock Control Screen. Select the Back, Forward, Left, or Right buttons using your finger or by scrolling to one with the Screen Navigation button and pressing the Ok button.

NOTICE: A Heading Sensor is required for Spot-Lock Jog. If your motor is not paired with a Heading Sensor, the Spot-Lock Jog directional buttons will not appear when the Spot-Lock Active Band is selected. If your motor is not paired with a Heading Sensor, the Spot-Lock location will also not Jog when the manual navigational buttons are pressed.



SPOT-LOCK

2

- c. As soon as the boat is jogged to the new location, the new location is immediately saved into a temporary Spot-Lock Memory and the boat will relate additional jogging with the temporary Spot-Lock location.

NOTICE: Spot-Lock Jog moves the GPS coordinates of the Spot-Lock location based on the orientation of the boat as determined by communication with the Heading Sensor. The Spot-Lock location can be jogged multiple times consecutively. Once the Spot-Lock location has been jogged, the i-Pilot Link navigational system will recognize the new Spot-Lock location, and i-Pilot will control the motor to move the boat accordingly. When jogging a saved Spot-Lock, the Spot-Lock location is preserved and a temporary Spot-Lock will be created with the new jogged coordinates. When jogging a temporary Spot-Lock location, the coordinates of the temporary Spot-Lock will change to the new jogged location.



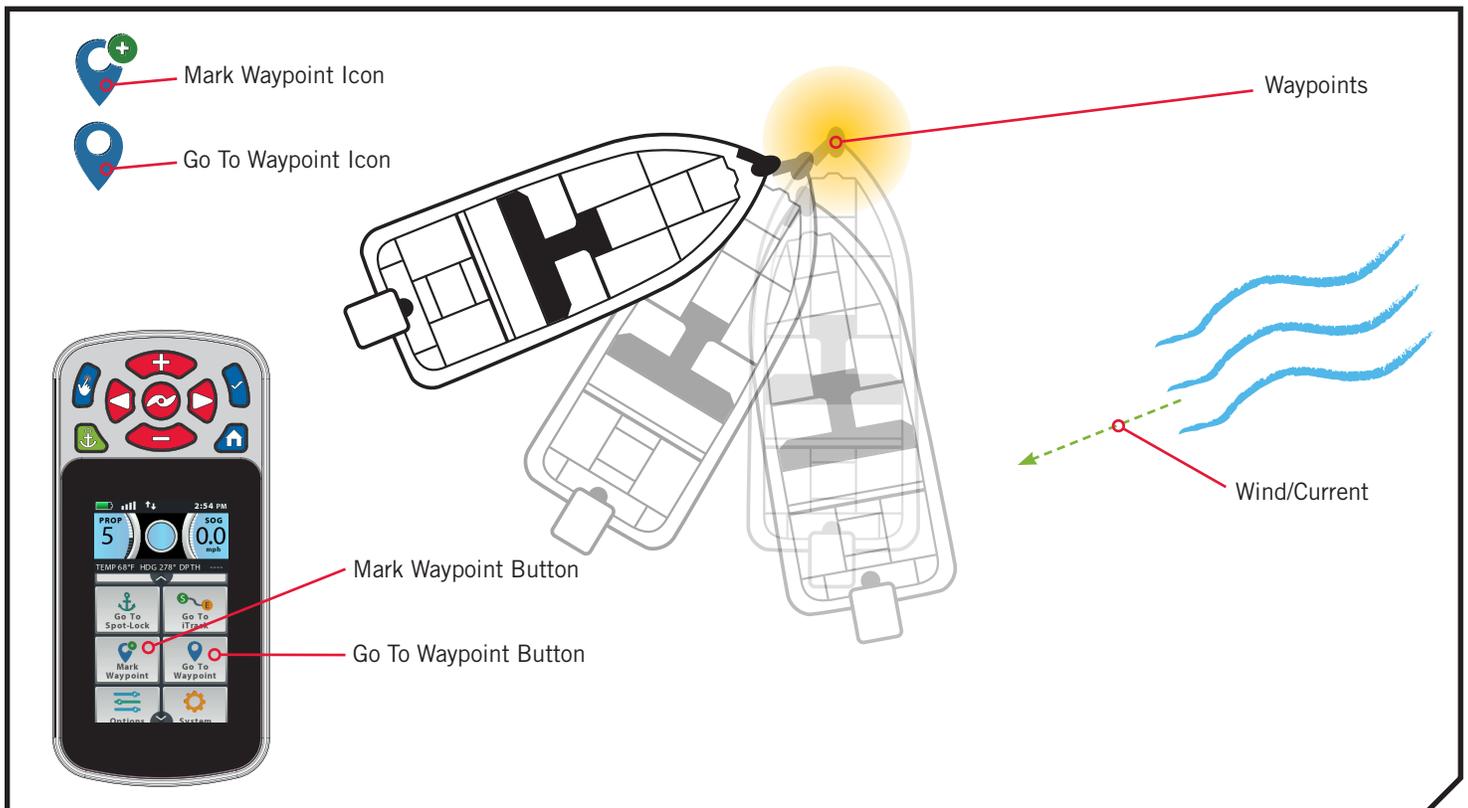
WAYPOINTS

WORKING WITH WAYPOINTS

Waypoints are saved latitude/longitude positions. They mark a position of interest such as your favorite fishing area, structure or marker buoy. Waypoints work similar to Spot-Locks. When i-Pilot navigates Waypoints, i-Pilot takes control over all steering functions; speed can be manually controlled or the Cruise Control function can also be used. For more information on how to work with Waypoints please see your Humminbird manual.

WARNING

Watch for a turning propeller when working with Waypoints. Auto Prop On is set to "off" by default. If Auto Prop On is turned "on", the propeller will automatically turn on when a Waypoint is engaged, even if the engagement is accidental. A turning propeller can cause injury. If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating to a Waypoint.



WAYPOINTS

WAYPOINT FUNCTIONS >

> Mark a Waypoint

1

- Press the Home  button.
- Scroll through the Content Area using your finger or the Screen Navigation  button to find the Mark Waypoint  button.
- Select the Mark Waypoint  button using your finger or by pressing the Ok  button.

NOTICE: 16 Waypoints are able to be recorded to memory when the i-Pilot Link system is not connected to a fish finder. When the system is connected to a fish finder, the number of Waypoints that can be saved is dependent on your fish finder.



> Go To a Saved Waypoint

1

- Manually navigate the boat to within a quarter mile of the saved Waypoint.
- Press the Home  button.
- Scroll through the Home Screen Buttons in the Content Area using either your finger or the Screen Navigation  button to find the Go To Waypoint  button.
- Select the Go To Waypoint  button by pressing it with your finger or pressing the Ok  button.



WARNING

Due to safety reasons, i-Pilot will not re-engage a saved Waypoint greater than a quarter mile away.



2

- e. A list of Waypoints that are within a quarter mile will appear. Scroll through the list of Waypoints to find a Waypoint to navigate to and select it.
- f. The Waypoint Active Band will appear in the Content Area. The appearance of the Active Band will vary depending on the distance between the current location and the selected Waypoint.

NOTICE: If the Prop is not turning, be sure to press the Prop Button  to enable it. The Prop behavior for Go To Waypoint can be changed with the Prop Auto On setting. Read "To Toggle the Prop Auto On" section of this manual for more information.

NOTICE: You are able to select an Arrival Mode for Go To Waypoint by selecting the Waypoint Active Band. See the "Change the Arrival Mode" section of this manual for more information.



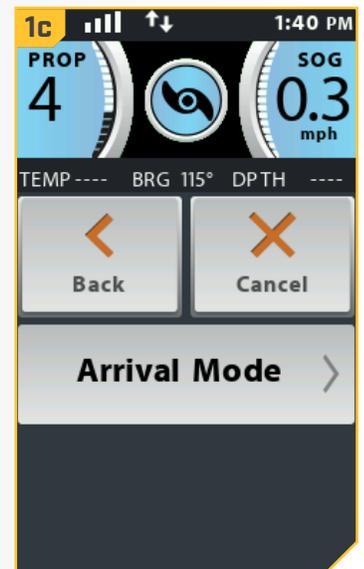
NOTICE: You have full control over motor speed while navigating to a Waypoint.

› Disengage Go To Waypoint

1

- a. When Go To Waypoint is engaged, scroll through the Content Area using either your finger or the Screen Navigation  button to find the Waypoint Active Band.
- b. Select the Waypoint Active Band using your finger or by pressing the Ok  button.
- c. Select the Cancel  button from the Waypoint Control Screen using your finger or by scrolling to it with the Screen Navigation  button and pressing the Ok  button to select it.

NOTICE: Pressing the Prop  button, or manually controlling the speed or steering with the Remote or Foot Pedal will also disengage Go To Spot-Lock.



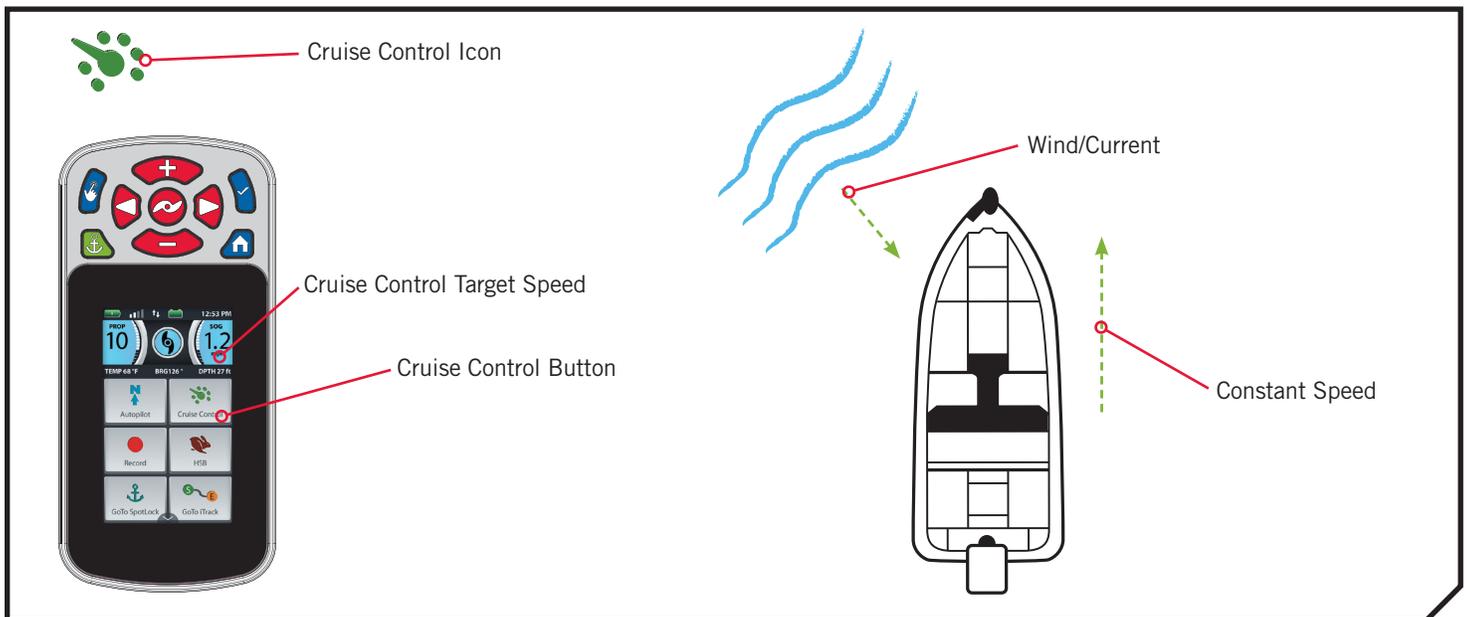
CRUISE CONTROL

i-PILOT LINK WITH CRUISE CONTROL

During regular operation of the i-Pilot Link navigational system, the user can control prop speed. The controller will communicate the speed over ground to the remote and the remote will display it. The speed over ground is the speed that the boat is traveling and will vary based on environmental factors such as wind and current, even if the prop speed remains the same. Cruise Control helps to compensate for the variations in external forces that effect the speed over ground and keeps the boat traveling at an even speed . When Cruise Control is engaged, the current speed over ground becomes the Target Speed. Cruise Control works to control the prop speed to match the Speed Over Ground to the Target Speed.

WARNING

Watch for turning propeller when Cruise Control is engaged. The propeller will automatically turn on when Cruise Control is engaged, even if the engagements is accidental. A turning propeller can cause injury. Be mindful of the prop when engaging Cruise Control to prevent injury. The propeller will turn on regardless of the Auto Prop On setting. If the propeller is not "on" before the Cruise Control is engaged, it will be turned "on", or enabled and run at the current speed setting.



WORKING WITH CRUISE CONTROL >

> Engaging Cruise Control

1

- Press the Home  button.
- Scroll through the Content Area using your finger or the Screen Navigation  button to find the Cruise Control  button.
- Select the Cruise Control  button using your finger or by pressing the Ok  button.
- Once Cruise Control is engaged, a temporary message about canceling Cruise Control will appear on the Dashboard. Once it disappears, the Cruise Control target speed will appear in blue on the bottom right hand corner of the Dashboard.
- The target speed can be increased and decreased using the Speed Up  and Speed Down  buttons and the Prop speed will adjust accordingly based on the current conditions.

NOTICE: SOG refers to Speed Over Ground. SOG is the speed the boat is actually traveling. The Target Speed is the speed you are asking the Cruise Control to achieve.



CRUISE CONTROL

Disengaging Cruise Control

1

- When Cruise Control is engaged, scroll through the Content Area using your finger or the Screen Navigation button to find the Cruise Control button.
- Select the Cruise Control button using your finger or by pressing the Ok button.
- The Cruise Control Target Speed will disappear from the Dashboard.

NOTICE: If Cruise Control is engaged, a message about canceling Cruise Control flashes on the Dashboard. Pressing the Cruise Control button with your finger, or tapping on the Dashboard will disengage Cruise Control.



NOTICE: If Cruise Control is engaged, making adjustments to motor speed from the Foot Pedal or engaging High Speed Bypass will cancel Cruise Control.

HIGH SPEED BYPASS

MOTOR SPEED AND HIGH SPEED BYPASS

High Speed Bypass sets the Prop speed to Speed 10 when engaged and returns to the previously set speed when disengaged. The Prop Speed can be set to any speed, including Speed 0 to Speed 10 when High Speed Bypass is engaged.

WARNING

Watch for a turning propeller when High Speed Bypass is engaged. A turning propeller can cause injury. High Speed Bypass will automatically turn the Prop Speed to Speed 10, even if the engagement is accidental. High Speed Bypass is not affected by Prop Auto On.



High Speed Bypass Icon

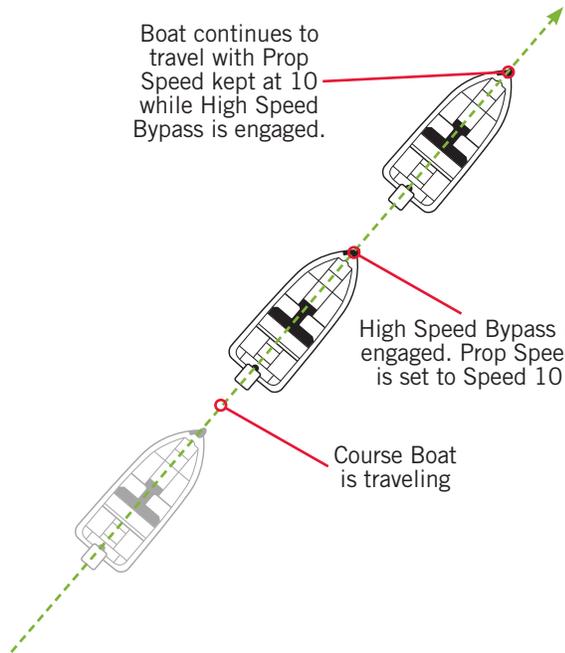


High Speed Bypass Button

Boat continues to travel with Prop Speed kept at 10 while High Speed Bypass is engaged.

High Speed Bypass is engaged. Prop Speed is set to Speed 10

Course Boat is traveling



HIGH SPEED BYPASS

CONTROLLING HIGH SPEED BYPASS

Engaging High Speed Bypass

- 1 a. Press the Home button.
- b. Scroll through the Content Area using your finger or the Screen Navigation button to find the HSB (High Speed Bypass) button.
- c. Double press the HSB button using your finger or by double pressing the Ok button. High Speed Bypass requires a double press to engage.

NOTICE: Double press to engage High Speed Bypass.

- d. Once High Speed Bypass is engaged, a temporary message about canceling High Speed Bypass will appear on the Dashboard. Prop Speed will be immediately be set to Speed 10.



Disengaging High Speed Bypass

- 1 a. When High Speed Bypass is engaged, scroll through the Content Area using your finger or the Screen Navigation button to find the HSB button.
- b. Select the HSB button using your finger or by pressing the Ok button. High Speed Bypass will disengage.

NOTICE: If High Speed Bypass is engaged, a message about canceling High Speed Bypass flashes on the Dashboard. Pressing the HSB button with your finger, or tapping on the Dashboard will disengage High Speed Bypass.

NOTICE: Manually adjusting the speed below speed 10 or engaging Cruise Control will also disengage High Speed Bypass.



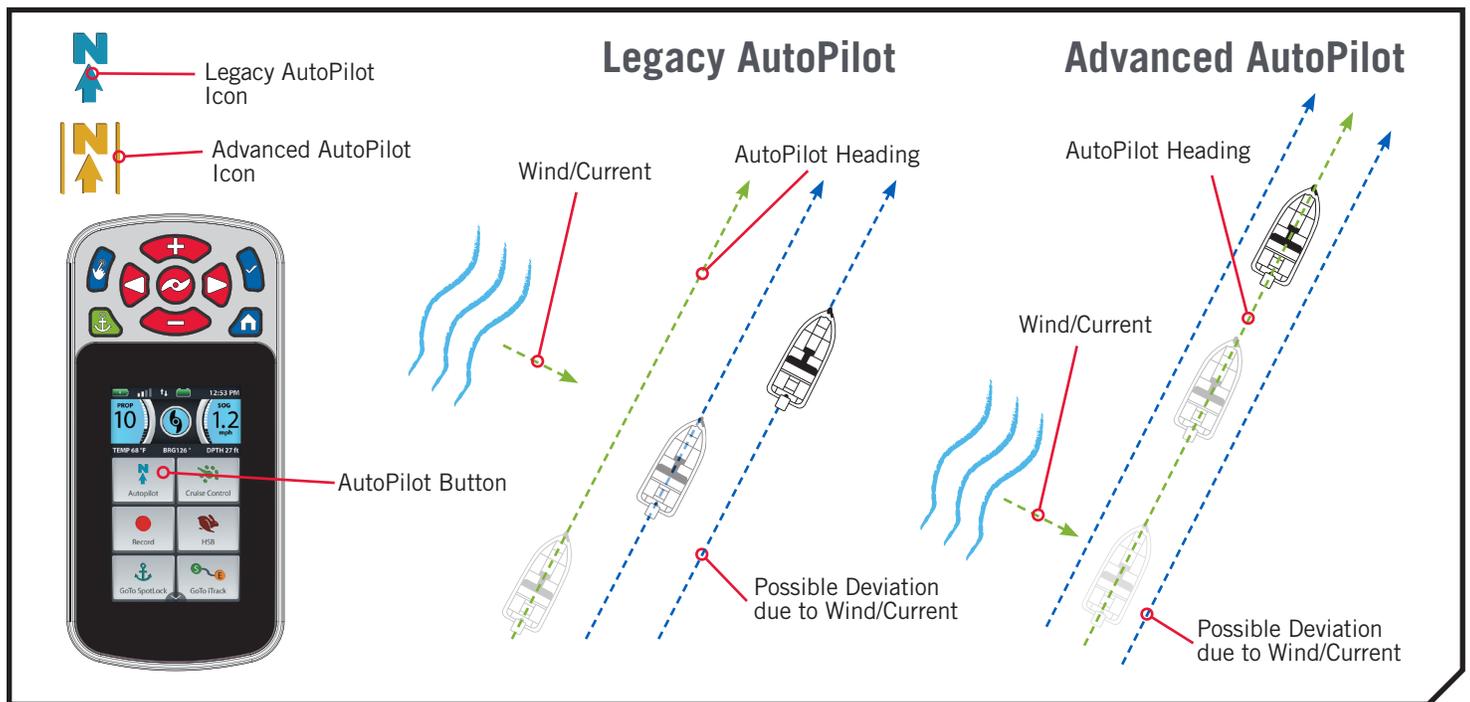
AUTOPILOT

i-PILOT LINK WITH AUTOPILOT

When in AutoPilot, i-Pilot Link keeps the trolling motor pointed in the direction you want to go. Each time the wind or water current moves the boat off course, AutoPilot senses the change and steers itself back to the original heading. The AutoPilot direction is set every time a steering change is made. To change direction, steer until the Control Head points to the desired course. AutoPilot will pull the bow of the boat around and correct automatically until the boat is moving in the direction you chose.

AUTOPILOT MODES

Two different modes of AutoPilot are available, Advanced AutoPilot and Legacy AutoPilot. Both are collectively referred to as AutoPilot. There are distinct differences between the two AutoPilot Modes and how they control your boat. Both Advanced AutoPilot and Legacy AutoPilot are valuable tools the fisherman can use for accurate and precise bait presentation. We highly recommend getting on the water and trying both Advanced AutoPilot and Legacy AutoPilot in various fishing situations and applications. With experimentation and time you will find which AutoPilot Mode works best for you in any given situation.



Legacy AutoPilot

AutoPilot uses an internal compass to provide heading lock. When Legacy AutoPilot is on, it keeps the motor pointed in the same compass direction. If a manual steering correction is made, Legacy AutoPilot locks onto the new compass heading to which the boat was steered. This method of heading tracking does not take into account external forces such as a side wind or currents, which can allow side drift.

Advanced AutoPilot

Advanced AutoPilot not only uses compass heading but also GPS data to correct for cross winds, current and other external forces to keep the boat on the intended course. When Advanced AutoPilot is turned on, it creates a course that it will follow. When the user steers to a new heading, a new course is created. Advanced AutoPilot will keep the boat on the course in most conditions. When very extreme conditions exist such as very strong winds or current, the trolling motor may not have enough power to control the boat smoothly. In these extreme cases it may be best to use Legacy AutoPilot and let the boat move with the wind or current if the motor is not powerful enough to overcome it.

AUTOPILOT

WORKING WITH AUTOPILOT >

> Engaging Legacy AutoPilot or Advanced AutoPilot

- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using your finger or the Screen Navigation  button to find the AutoPilot  button.
 - c. Select the AutoPilot  button using your finger or by pressing the Ok  button.
 - d. The AutoPilot Active Band will appear in the Content Area. Either Legacy AutoPilot or Advanced AutoPilot will be engaged depending on the AutoPilot Mode selected.
 - e. To adjust the desired heading, manually steer the motor to the new heading. i-Pilot will automatically lock onto the new heading.



NOTICE: If the Prop is not turning or is flashing, be sure to press the Prop Button  to enable it. The Prop behavior for AutoPilot can be changed with the Prop Auto On setting. Read "To Toggle the Prop Auto On" section of this manual for more information.

NOTICE: After steering to a new direction, there is a short delay before the direction is locked in to allow the compass to stabilize. When broad speed changes are made, the motor heading may change slightly. This is normal.

CAUTION

This unit uses a magnetic compass to detect direction of travel. The compass can be adversely affected by magnets or large, ferrous metal objects near (within 24" of) the trolling motor control head.

Obstructions on the propeller may cause excessive vibration of the motor head. This vibration can cause the compass to wander and erratic steering to occur. Clear the obstruction to return the motor to normal operation.

NOTICE: When AutoPilot is on and the trolling motor is pulled out of the water to the stow position, the steering motor will continue to run. Turn off AutoPilot to stop the motor. If AutoPilot is left on, the steering motor will shut off automatically after 8 seconds. The motor should not be stored in this condition for long periods as power is still being applied to all electronics. Always turn AutoPilot off and disconnect your motor from the battery when storing your motor.

Disengaging Legacy AutoPilot or Advanced AutoPilot

- 1
 - a. When AutoPilot is engaged, scroll through the Content Area using your finger or the Screen Navigation button to find the AutoPilot button.
 - b. Select the AutoPilot button using your finger or by pressing the Ok button. The AutoPilot Active Band will disappear from the Content Area.
 - c. AutoPilot can also be disengaged by selecting the AutoPilot Active Band and then selecting the Cancel button.

NOTICE: Pressing the AutoPilot button on the Foot Pedal also disengages AutoPilot.



To Set the Default AutoPilot Mode

AutoPilot has two modes:

1. Legacy - This method of heading tracking does not take into account external forces such as a side wind or currents, which can allow side drift.
2. Advanced - Advanced AutoPilot not only uses compass heading but also GPS signal data to correct for cross winds, current and other external forces to keep the boat on a straight line.

Once it is determined which AutoPilot Mode to operate in, use the following instructions to set it as the default.

- 1
 - a. Press the Home button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Options button.
 - c. Select the Options button using either your finger or by pressing the Ok button to open the Options Menu.



AUTOPILOT

2

- d. Once in the Options Menu, scroll through to find the AutoPilot Mode  option, and select it.
- e. The AutoPilot Mode options appear. Select either "Legacy"  or "Advanced" . The circle to the right of the selected mode will be colored in green when selected.

NOTICE: When AutoPilot is engaged, selecting the AutoPilot Active Band will also bring up the AutoPilot Mode options. The AutoPilot button and Active Band will change in appearance to either Legacy or Advanced depending on which AutoPilot Mode is selected.

- f. To exit the menu, select either the Back  button or the Home  button.



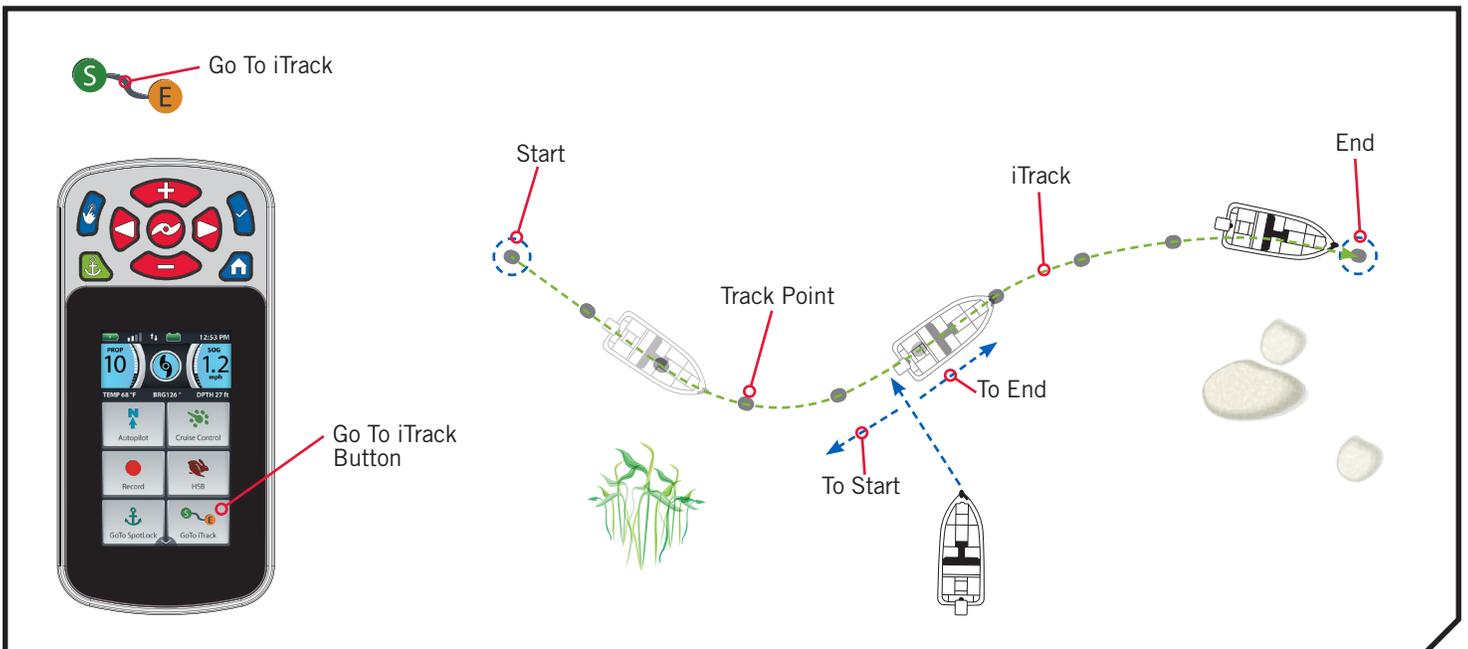
iTRACKS

UNDERSTANDING iTRACKS

The i-Pilot Link system can be used to record sets of points that make up an iTrack. When recording an iTrack, i-Pilot starts to record GPS position data in the form of Track Points. The very first Track Point recorded is called the Start, and the last point recorded is called the End. i-Pilot sees a recorded series of Track Points as an iTrack. iTracks can be recorded and navigated. When the Go To iTrack Button is pressed, an iTrack can be navigated To Start or To End. i-Pilot will navigate to the nearest Track Point and then navigate to the Track Point requested. Once the nearest Track Point is reached, it will then follow the Track Points in sequence back to either the Start or End based on the selection made. Once the Start or End is reached, i-Pilot automatically transitions to the set Arrival Mode. During iTrack navigation, i-Pilot takes control over all steering functions; speed can be manually controlled or the Cruise Control function can also be used. The motor speed must be set high enough in order to stay on the track given wind, current and other external forces.

WARNING

Watch for a turning propeller when working with iTracks. Auto Prop On is set to "off" by default. If Auto Prop On is turned "on", the propeller will automatically turn on when an iTrack is engaged, even if the engagement is accidental. A turning propeller can cause injury. If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating an iTrack.



WORKING WITH ITRACKS

Recording an iTrack

1

- a. Press the Home button.
- b. Scroll through the Content Area using your finger or the Screen Navigation button to find the Record button.
- c. Select the Record button using your finger or by pressing the Ok button. The Record Active Band will appear in the Content Area.

NOTICE: 16 iTracks are able to be recorded to memory when it is not connected to a fish finder. 50 iTracks are able to be recorded when it is connected to a fish finder.

NOTICE: The motor can be stowed while recording an iTrack.

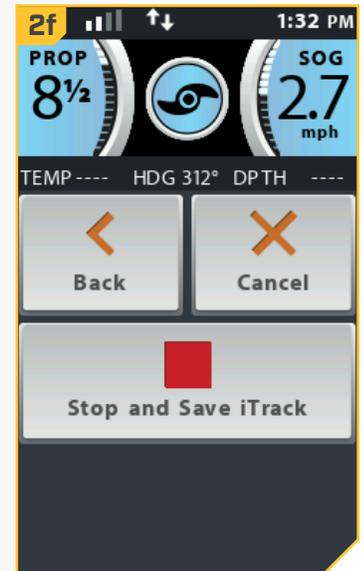


2

- d. Engage the Prop and manually navigate the desired course.
- e. To Save the recording, scroll through the Home Menu Buttons in the Content Area to find the Record Active Band, and select it.
- f. The Record Control Screen will appear. Scroll through it and select the Stop and Save button.

NOTICE: AutoPilot and/or Cruise Control can be used while recording an iTrack.

NOTICE: Spot-Lock can be engaged while recording an iTrack. If Spot-Lock is engaged, the iTrack recording will be paused. Once the Spot-Lock feature is disengaged, the iTrack recording will resume.



Go To a Saved iTrack

1

- Manually navigate the boat to within a quarter mile of the saved iTrack.
- Press the Home  button.
- Scroll through the Content Area using your finger or the Screen Navigation  button to find the Go To iTrack  button.
- Select the Go To iTrack  button using your finger or by pressing the Ok  button.

WARNING

Due to safety reasons, i-Pilot will not re-engage a saved iTrack greater than a quarter mile away.

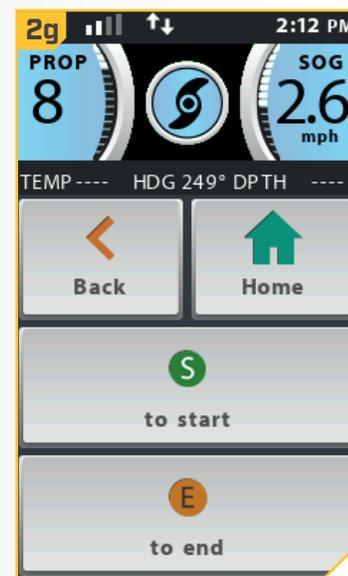
NOTICE: If there are no iTracks in range, the remote will state there are none in range.



2

- A list of iTracks that are within a quarter mile will appear. Scroll through the list of iTracks using either your finger or the Screen Navigation  button to find an iTrack to navigate to.
- Select the iTrack using your finger or by pressing the Ok  button.
- Decide to navigate To Start  or To End  and select the appropriate button.
- The iTrack Active Band will appear in the Content Area and the boat will start to navigate the selected course.

NOTICE: If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating an iTrack.



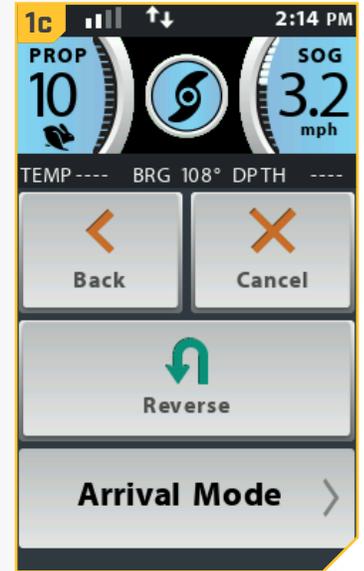
NOTICE: You are able to select an Arrival Mode for Go To iTrack by selecting the iTrack Active Band. See the "Change the Arrival Mode" section of this manual for more information.

› Disengage Go To iTrack

1

- When Go To iTrack is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the iTrack Active Band.
- Select the iTrack Active Band using your finger or by pressing the Ok button.
- Select the Cancel button from the iTrack Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.

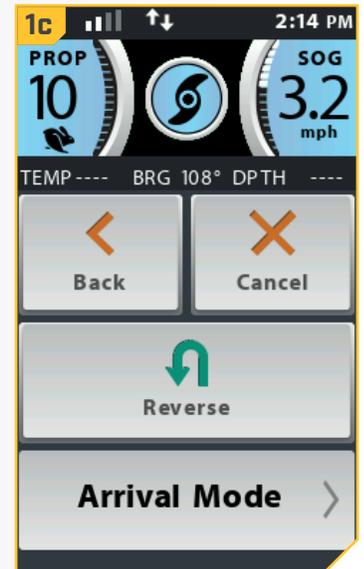
NOTICE: Go To iTrack will also be disengaged by manually steering from the Remote or Foot Pedal.



› Reverse Go To iTrack

1

- When Go To iTrack is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the iTrack Active Band.
- Select the iTrack Active Band using your finger or by pressing the Ok button.
- Select the Reverse button from the iTrack Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.



CIRCLE MODE

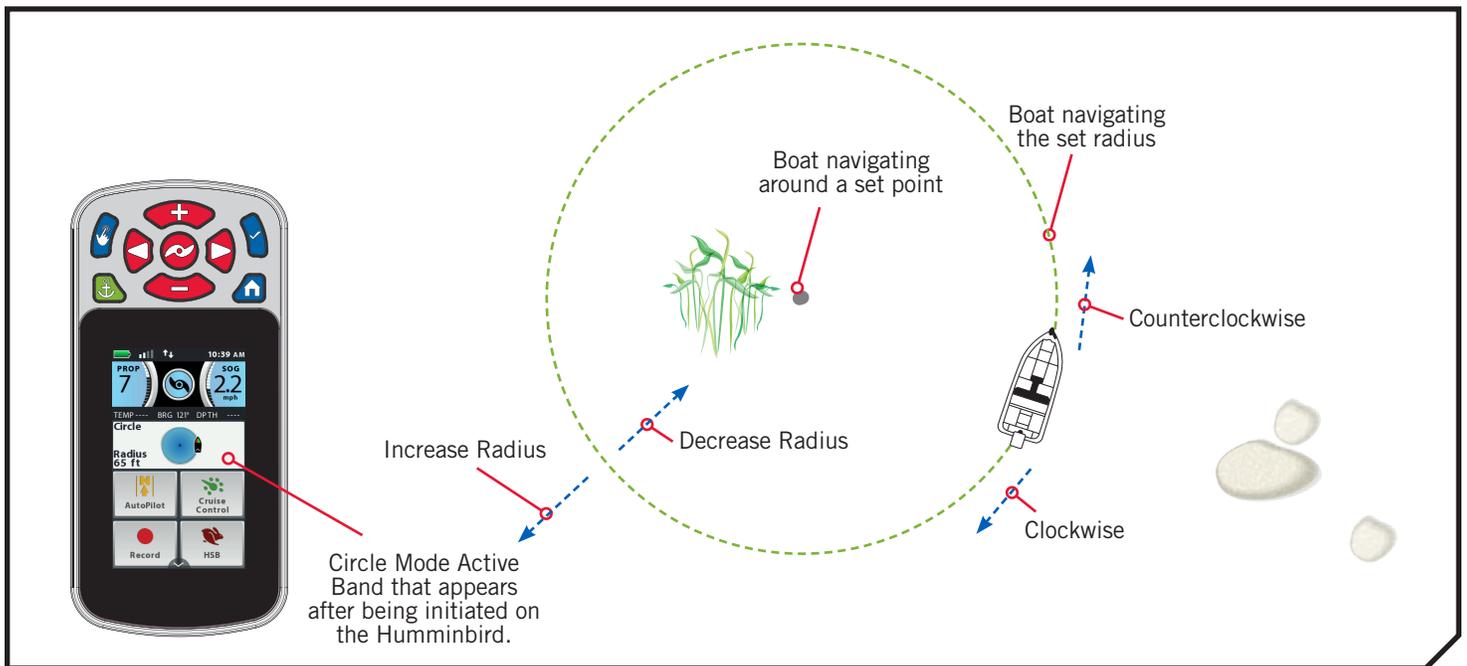
UNDERSTANDING CIRCLE MODE

Circle Mode uses a Humminbird fish finder to set a point to navigate around. Once a point is set, the boat can navigate either clockwise or counterclockwise around the set point in a circle. The radius of the circle can be changed from 30 to 500 feet. Circle Mode cannot be activated from the i-Pilot Link remote, but the direction of travel, radius of the circle can be adjusted, and the function can be disengaged using the i-Pilot Link remote. See the Humminbird manual to learn more about Circle Mode.

NOTICE: Circle Mode is an i-Pilot Link feature that can only be initiated from the Humminbird.

⚠ WARNING

Watch for a turning propeller when working with Circle Mode. Auto Prop On is set to "off" by default. If Auto Prop On is turned "on", the propeller will automatically turn on when Circle Mode is engaged, even if the engagement is accidental. A turning propeller can cause injury. If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating with Circle Mode.



CIRCLE MODE

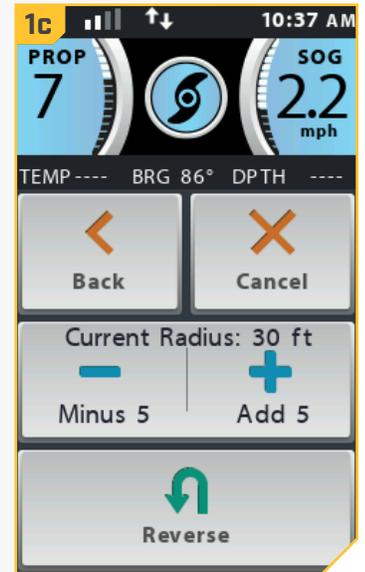
WORKING WITH CIRCLE MODE >

> Change the Radius of Circle Mode

1

- When Circle Mode is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Circle Mode Active Band.
- Select the Circle Mode Active Band using your finger or by pressing the Ok button.
- In the Circle Mode Control Screen, find the Add 5 button or Minus 5 button. Select the button to move the Radius in the corresponding direction.
- Once the desired Radius is found, press the Home button to exit the menu.

NOTICE: The radius can be set from 30 to 500 ft. Cruise Control can be used while navigating in Circle Mode.



> Reverse Direction with Circle Mode

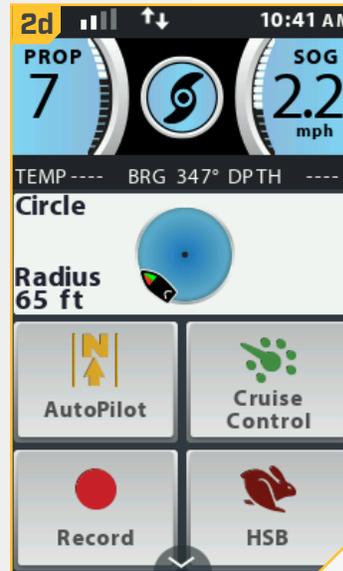
1

- When Circle Mode is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Circle Mode Active Band.
- Select the Circle Mode Active Band using your finger or by pressing the Ok button.
- Select the Reverse button from the Circle Mode Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.



2

- d. The direction of the Boat will reverse on the Circle Mode Active band.

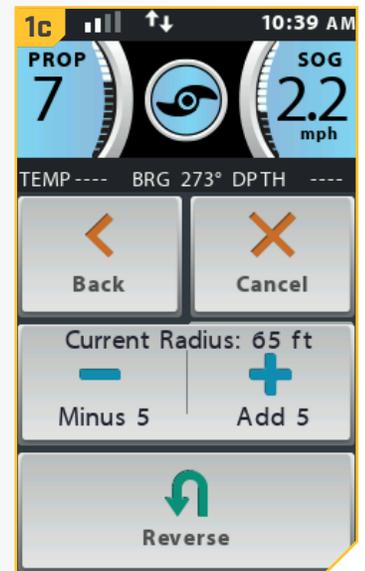


Disengage Circle Mode

1

- a. When Circle Mode is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Circle Mode Active Band.
- b. Select the Circle Mode Active Band using your finger or by pressing the Ok button.
- c. Select the Cancel button from the Circle Mode Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.

NOTICE: Circle Mode will also be disengaged by manually steering from the Remote or Foot Pedal.



FOLLOW THE CONTOUR

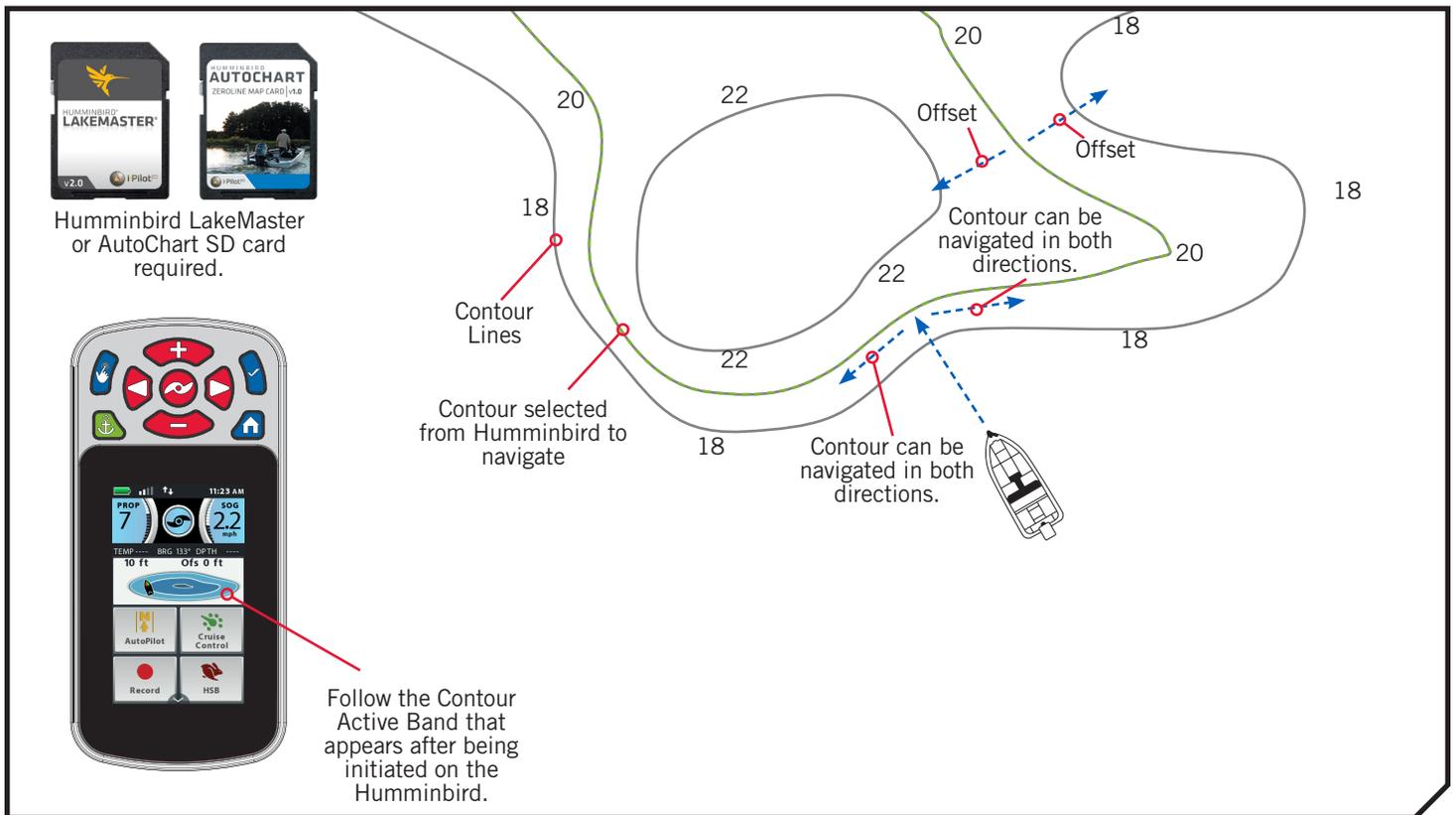
UNDERSTANDING FOLLOW THE CONTOUR

Follow the Contour allows you to navigate a contour on a Humminbird LakeMaster chart or AutoChart ZeroLine chart. When starting i-Pilot Link navigation to Follow the Contour, all other types of navigation are stopped on the Fishfinder and the Ethernet network. The boat can navigate either clockwise or counterclockwise around the contour. The Offset from the contour can range from -300 to +300 feet. Follow the Contour cannot be activated from the i-Pilot Link remote, but the direction of travel, offset, and the function can be disengaged using the i-Pilot Link remote. See the Humminbird manual to learn more about Follow the Contour. If using an AutoChart ZeroLine Map Card, see the AutoChart ZeroLine Map Card Accessory Manual for more information.

NOTICE: Follow the Contour is an i-Pilot Link feature that can only be initiated from the Humminbird. **i-Pilot compatible Humminbird LakeMaster or AutoChart SD card required.**

WARNING

Watch for a turning propeller when working with Follow the Contour. Auto Prop On is set to "off" by default. If Auto Prop On is turned "on", the propeller will automatically turn on when Follow the Contour is engaged, even if the engagement is accidental. A turning propeller can cause injury. If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating with Follow the Contour.



Humminbird LakeMaster or AutoChart SD card required.

Contour Lines

Contour selected from Humminbird to navigate

Contour can be navigated in both directions.

Offset

Contour can be navigated in both directions.

Follow the Contour Active Band that appears after being initiated on the Humminbird.

WORKING WITH FOLLOW THE CONTOUR >

> Change the Offset with Follow the Contour

- 1 a. When Follow the Contour is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Follow the Contour Active Band.
- b. Select the Follow the Contour Active Band using your finger or by pressing the Ok button.
- c. In the Follow the Contour Control Screen, find the Add 1 button or Minus 1 button. Select the button to move the Offset in the corresponding direction.

NOTICE: When setting the Offset, the Add 1 button will move the boat to navigate to deeper water, the Minus 1 button will move the boat to shallower water.

- d. Once the desired Offset is found, press the Back button or the Home button to exit the menu.



NOTICE: Cruise Control can be used while navigating with Follow the Contour.

> Reverse Direction with Follow the Contour

- 1 a. When Follow the Contour is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Follow the Contour Active Band.
- b. Select the Follow the Contour Active Band using your finger or by pressing the Ok button.
- c. Select the Reverse button from the Follow the Contour Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.



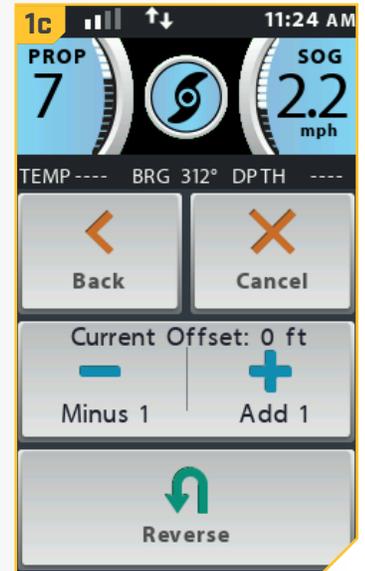
FOLLOW THE CONTOUR

Disengage Follow the Contour

1

- When Follow the Contour is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Follow the Contour Active Band.
- Select the Follow the Contour Active Band using your finger or by pressing the Ok button.
- Select the Cancel button from the Follow the Contour Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.

NOTICE: Manually steering the motor with the Remote or Foot Pedal will also disengage Follow the Contour.



ROUTES

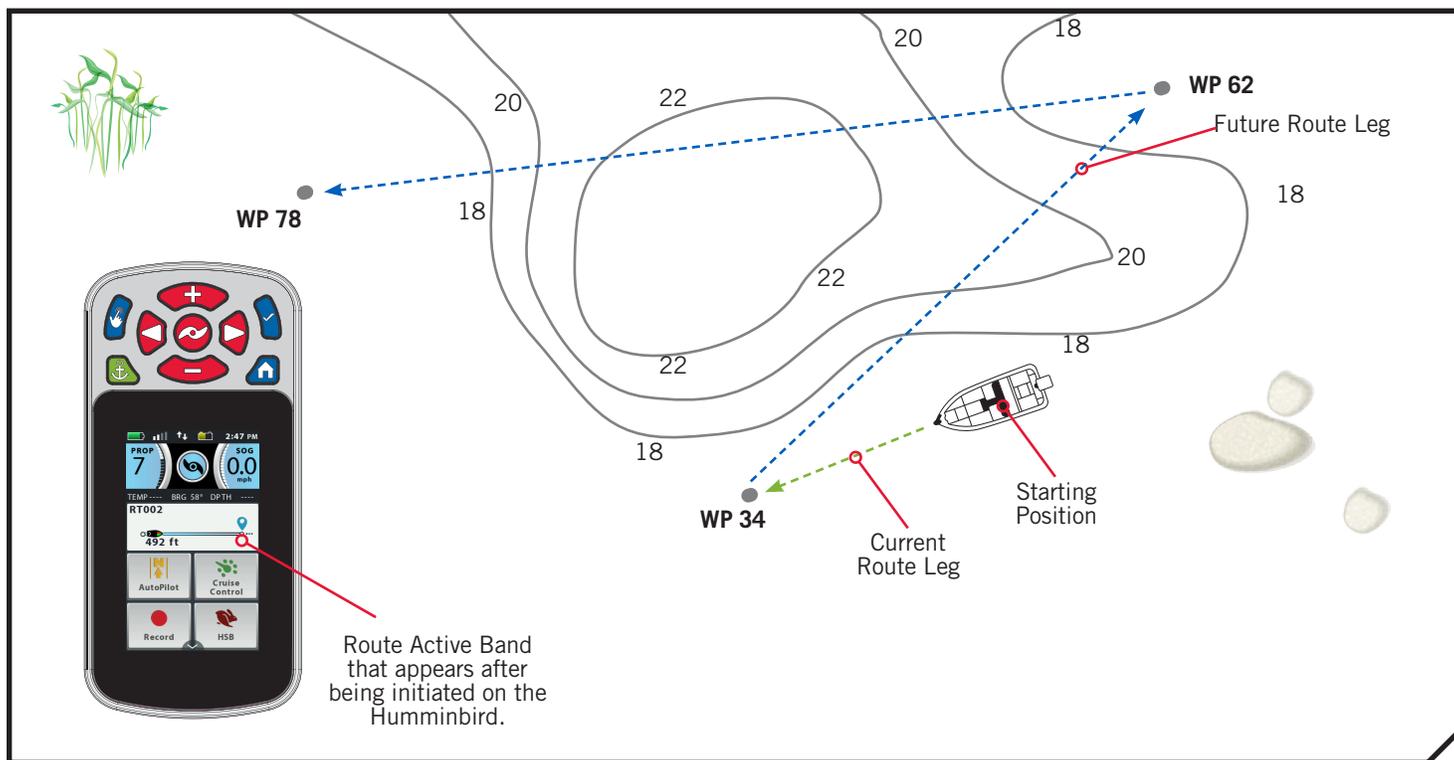
UNDERSTANDING ROUTES

Routes link two or more Waypoints together to create a path for navigation and are used in trip planning. A Route represents your intended navigation and shows the shortest path from each waypoint to the next. Navigating a Route is initiated on the Humminbird. As you travel a route, staying on the route line is the most efficient way to get to your destination, although you should always look out for obstacles not shown on the Humminbird. Navigating a Route cannot be activated from the i-Pilot Link remote, but the direction of travel can be changed, and the function can be disengaged using the i-Pilot Link remote. If you start another mode of i-Pilot navigation, navigating a Route will disengage automatically. The exception is Spot-Lock which if this is engaged, Route navigation will be paused, not disengaged. See the Humminbird manual to learn more about Routes.

NOTICE: Routes are an i-Pilot Link feature that can only be initiated from the Humminbird.

WARNING

Watch for a turning propeller when working with Routes. Auto Prop On is set to "off" by default. If Auto Prop On is turned "on", the propeller will automatically turn on when Routes are navigated, even if the engagement is accidental. A turning propeller can cause injury. If Auto Prop On is turned "off" the prop must be enabled before the boat will begin navigating Routes.



ROUTES

WORKING WITH ROUTES

Reverse the Direction of Route Navigation

1

- When Route navigation is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Route Active Band.
- Select the Route Active Band using your finger or by pressing the Ok button.
- Select the Reverse button from the Route Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.

NOTICE: The Humminbird can make Quick Routes or Go To a Route. To learn more about Routes, please see the Humminbird manual.



Disengage Route Navigation

1

- When Route navigation is engaged, scroll through the Content Area using either your finger or the Screen Navigation button to find the Route Active Band.
- Select the Route Active Band using your finger or by pressing the Ok button.
- Select the Cancel button from the Follow the Contour Control Screen using your finger or by scrolling to it with the Screen Navigation button and pressing the Ok button to select it.

NOTICE: Manually steering the motor with the Remote or Foot Pedal will also disengage Route navigation.

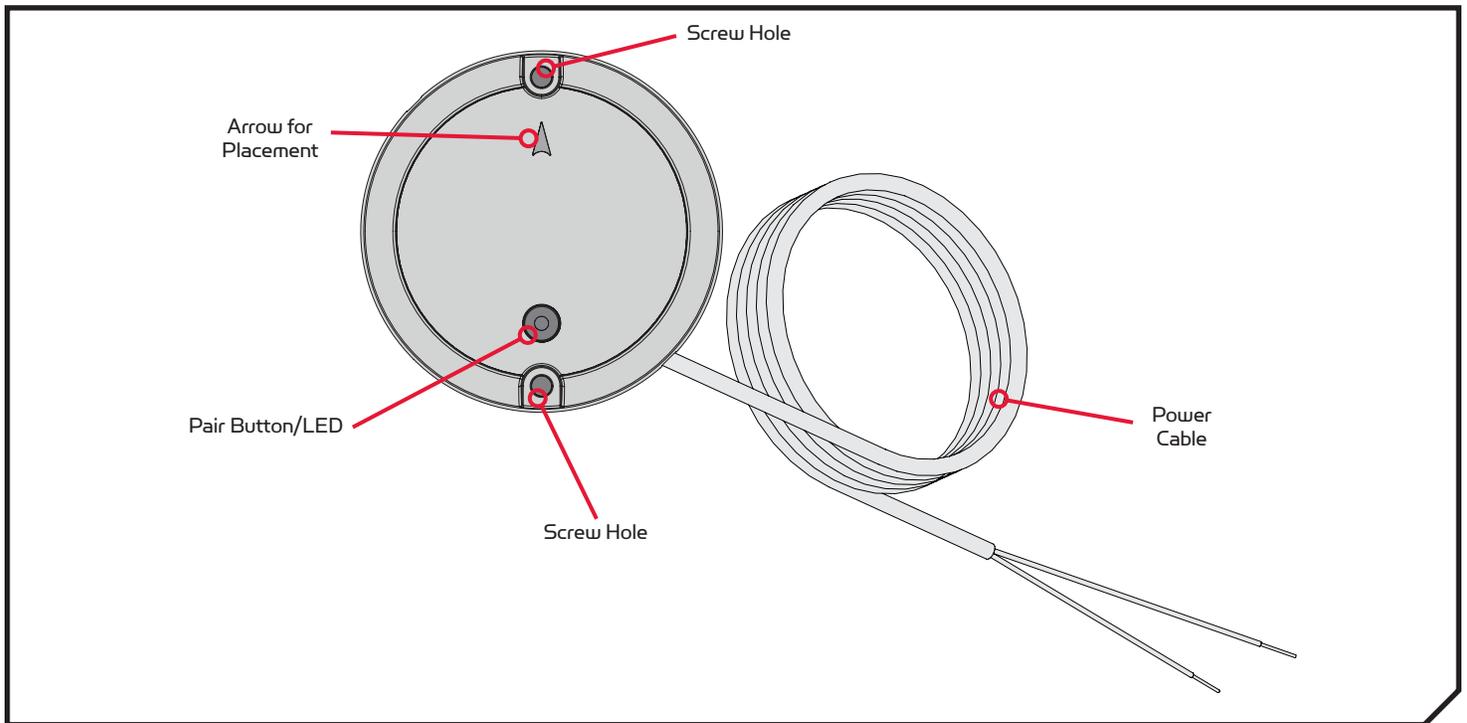


HEADING SENSOR

HEADING SENSOR FEATURES

Become familiar with the features of the Heading Sensor to maximize the capabilities it offers.

NOTICE: The Heading Sensor does not come standard with all models. It can be purchased as an accessory. To learn more about Minn Kota accessories, please visit www.minnkotamotors.com.



› Heading Sensor Functions

The Minn Kota Heading Sensor provides boat heading information to a Bluetooth compatible i-Pilot or i-Pilot Link equipped Minn Kota motor. It contains a compass that senses the boat's heading or orientation. The heading is used by the i-Pilot or i-Pilot Link system for navigation features such as Spot-Lock Jog. The Heading Sensor does not contain a GPS receiver and it does not change or control the orientation of the boat. The Minn Kota Heading Sensor can only communicate with other Bluetooth compatible Minn Kota products.

WARNING

The Heading Sensor should not be used as a navigational aide to prevent collision, grounding, boat damage, or personal injury. When the boat is moving, water depth may change too quickly to allow time for you to react. Always operate the boat at very slow speeds if you suspect shallow water or submerged objects.

Do not install the Heading Sensor near ferrous metals or near anything that may create a magnetic field or interference. The Heading Sensor must be installed at least 24" from magnetic or ferrous materials on the boat including the base of the motor. Installation near the motor lead wires must also be avoided due to magnetic fields being created during high current draw situations.

› Light Patterns

The Heading Sensor displays modes of operation with an LED located on the Pair Button. There are three distinct patterns that the LED will display to communicate different modes of operation. Become familiar with the modes of operation to be sure that the Heading Sensor is powered up and communicating with i-Pilot or i-Pilot Link.

HEADING SENSOR

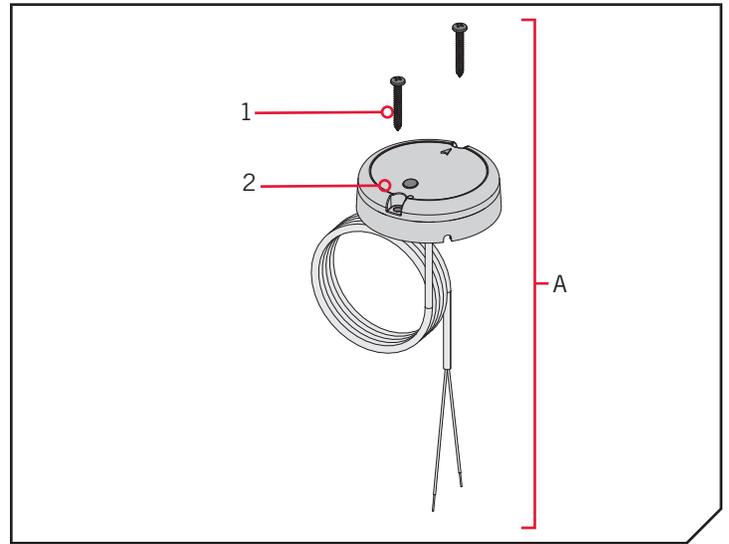


The three LED patterns displayed by the Heading Sensor are:

1. Power On - When the Heading Sensor is first connected to a power source, the LED will turn on for 3 seconds and then turn off.
2. Pairing - The Heading Sensor can be paired with i-Pilot. While the Heading Sensor is attempting to pair, the LED will flash on and off twice per second for up to 20 seconds. If the Heading Sensor is successfully paired, normal operation will begin. If the Heading Sensor is not paired, the LED will turn off.
3. Normal Operation - During normal operation when the Heading Sensor is connected to a power source and paired to and actively communicating with i-Pilot, the LED on the Heading Sensor will flash on and off once every 3 seconds.

INSTALLATION PARTS LIST >

Item / Assembly	Part #	Description	Qty.
A	2996400	HEADING SENSOR ASSEMBLY	1
1	2393400	SCREW-#8-18X1-1/2 PPH TY AB SS *STAINLESS STEEL*	2
2	*	HEADING SENSOR	1



* This part is included in an assembly and cannot be ordered individually.

MOUNTING CONSIDERATIONS >

Before mounting your Heading Sensor, give consideration to the following:

1. The Heading Sensor contains a compass that detects a magnetic field. Do not install the Heading Sensor near ferrous metals or wires that handle large currents, such as batteries or power cables.
2. Mount the Heading Sensor in an area that has a clear line of communication with the head of the motor that is installed with a Bluetooth compatible i-Pilot system for optimum performance.
3. Make sure the area under the mounting location is level and is clear to drill holes and installation hardware will not damage existing components below the mounting surface.
4. Test that the Power Cable that powers the Heading Sensor is long enough to reach the power source from the intended mounting location. If the cable does not reach the battery or intended power source, select a location closer to the source.
5. Mount the Heading Sensor horizontally. It should not be mounted upside down.

CAUTION

The Heading Sensor can be adversely affected by magnets or large, ferrous metal objects. Do not install the Heading Sensor within 24" of these objects as they will cause interference.

TOOLS AND RESOURCES REQUIRED

- Drill
- #2 Screwdriver
- Awl or similar marking tool
- 1/4" Drill Bit
- 9/64" Drill Bit
- Marine-grade Silicone

INSTALLATION

MOUNTING OPTIONS

There are two options to install the Heading Sensor. Determine if the Power Cable for the Heading Sensor will pass below the mounting surface.

- 1. Access under the Mounting Location** - When installing the Heading Sensor with this option, the Power Cables that come from the Heading Sensor will pass through the mounting surface. Only choose this option when the cables can be accessed after they are passed through the mounting surface. Follow the instructions in the Installation for Access Under the Mounting Location section of this instruction sheet.
- 2. No Access under the Mounting Location** - The Power Cables for the Heading Sensor will be routed to the side because there is no room under the mounting location for the cables to pass, or the area below the mounting location is not accessible. Follow the instructions in the Installation for No Access Under the Mounting Location section of this instruction sheet.

It is important to review the mounting considerations and test run the Power Cable before installation.

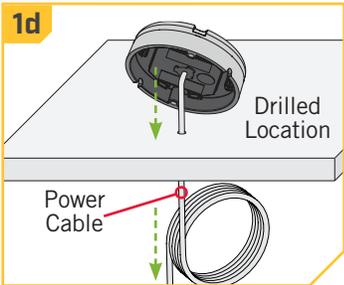
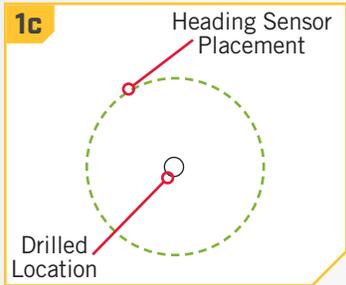
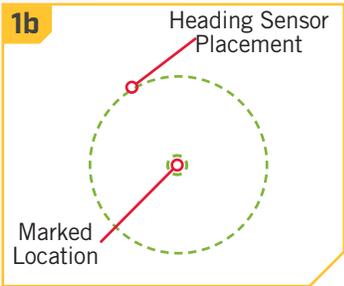
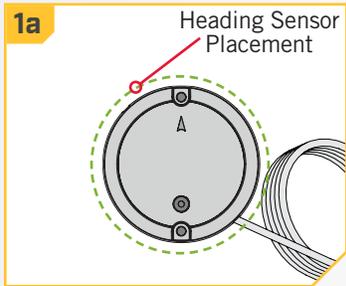
Installation for Access Under the Mounting Location

1

ITEM(S) NEEDED



- Review the Mounting Considerations and then set the Heading Sensor (Item #2) flat on the selected mounting location and note the placement.
- Lift the Heading Sensor away and mark a point with an awl or similar marking tool beneath the mounting location for the power cable to pass through the surface.
- Using a drill with a 1/4" bit, drill a hole through the mounting location.
- Route the power cable through the drilled hole and feed the cable all the way through until the Heading Sensor sits flat on the mounting location and the cable is completely threaded through the drill hole.



HEADING SENSOR

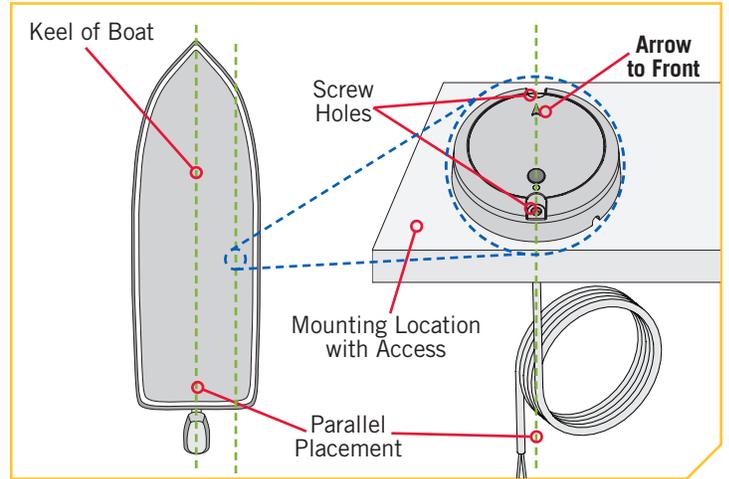
2

- e. Position the sensor so that the arrow on the cover is pointed toward the front of the boat in the direction of travel. **The arrow needs to be parallel with the keel of the boat.**

CAUTION

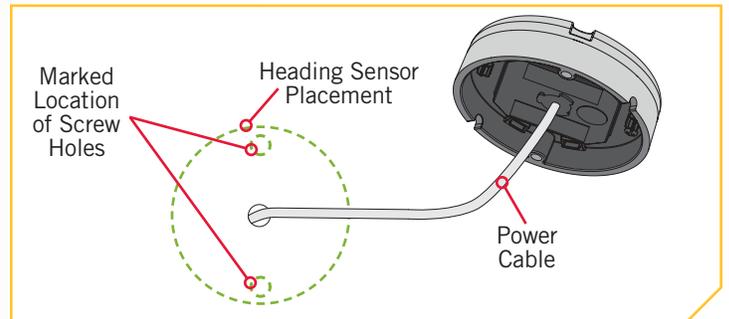
Failure to align the Heading Sensor correctly will result in incorrect compass readings.

- f. Mark the location of the two screw holes with an awl or similar marking tool.



3

- g. Move the Heading Sensor to the side and drill two holes using a 9/64" drill bit on the marked locations.

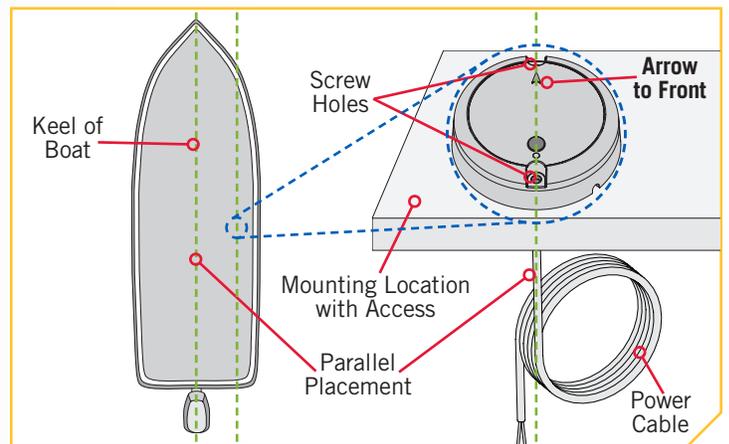


4

- h. Position the Heading Sensor back in place so that the holes drilled in the mounting location line up with the holes in the Heading Sensor and the Power Cable is completely threaded. **Be sure to mount the arrow towards the front of the boat and make the alignment parallel with the keel of the boat.**

CAUTION

Failure to align the Heading Sensor correctly will result in incorrect compass readings.



CAUTION

If the mounting surface is thin or made of a lightweight material, the mounting surface may need to be reinforced in order to support the Heading Sensor. Hand tighten the mounting screw to avoid over tightening and to prevent damage to the mounting location and Heading Sensor.

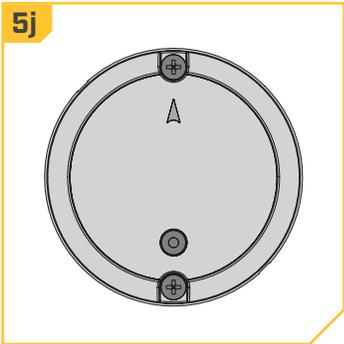
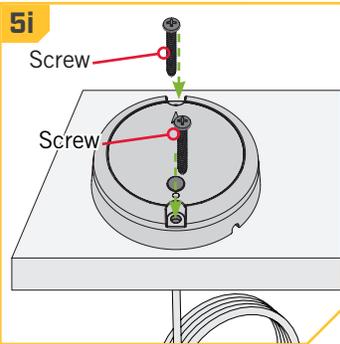
5

ITEM(S) NEEDED



- i. Apply a marine-grade silicone caulk or sealant to both #8 - 18x1-1/2 screws (Item #1) as needed to protect your boat from water damage.
- j. Using a #2 Screwdriver, mount the Heading Sensor to the mounting location using the two screws. Hand tighten only.

NOTICE: If replacement screws must be used, ensure that they are high grade non-magnetic stainless steel.



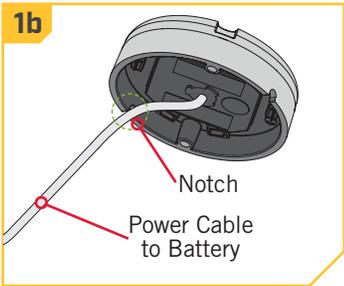
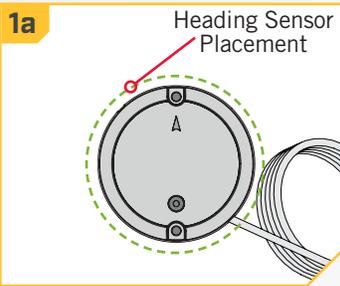
› Installation for No Access Under the Mounting Location

1

ITEM(S) NEEDED



- a. Review the Mounting Considerations and then set the Heading Sensor (Item #2) flat on the mounting location and note it's placement.
- b. Route the power cable through one of the two notches in the base of the Heading Sensor. When the arrow on the Heading Sensor is pointing towards the front of the boat, the cable should exit the Heading Sensor in the direction that is closest to its intended power source.



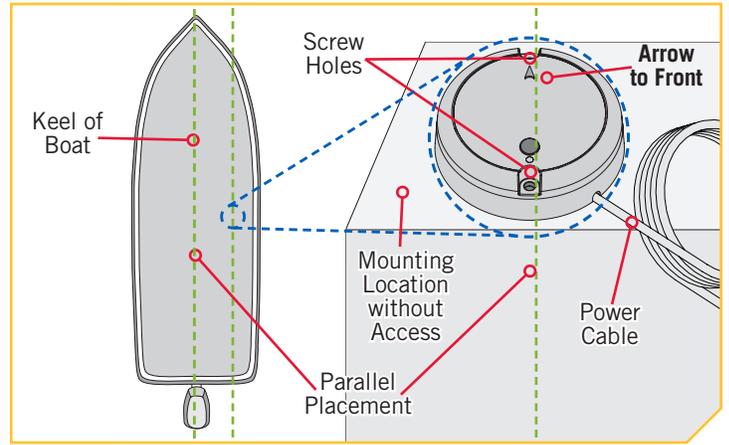
HEADING SENSOR

2

- c. Double check the position of the Heading Sensor so that the arrow on the cover is pointed toward the front of the boat in the direction of travel. **The arrow needs to be parallel with the keel of the boat.**

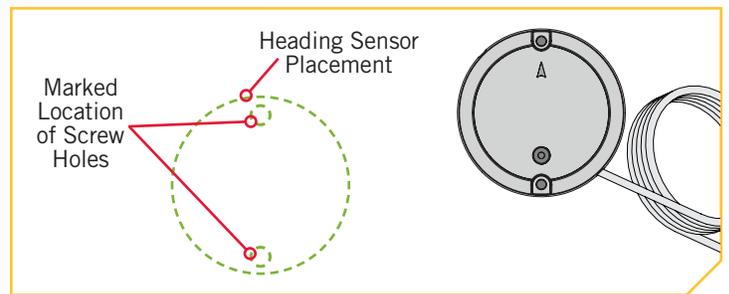
CAUTION

Failure to align the Heading Sensor correctly will result in incorrect compass readings.



3

- d. Mark the location of the two screw holes with an awl or similar marking tool.
- e. Move the Heading Sensor to the side and drill two holes using a 9/64" drill bit on the marked locations.



4

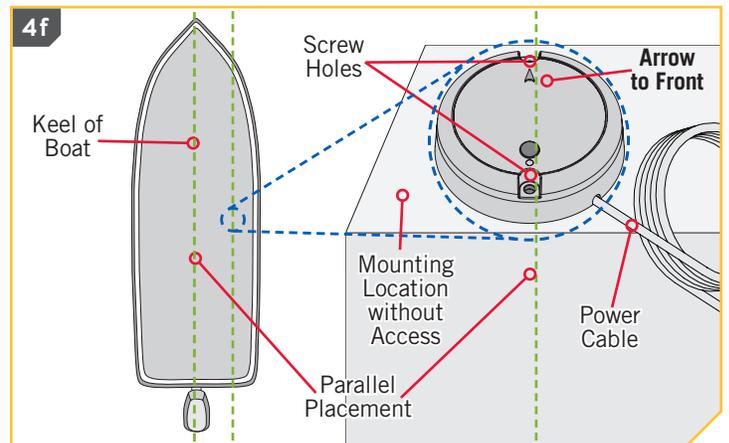
ITEM(S) NEEDED

 #1 x 2

- f. Position the Heading Sensor back in place so that the holes drilled in the mounting location line up with the holes in the Heading Sensor. **Be sure to mount the arrow towards the front of the boat and make the alignment parallel with the keel of the boat.**
- g. Apply a marine-grade silicone caulk or sealant to both #8 - 18x1-1/2 screws (Item #1) as needed to protect your boat from water damage.

CAUTION

Failure to align the Heading Sensor correctly will result in incorrect compass readings.

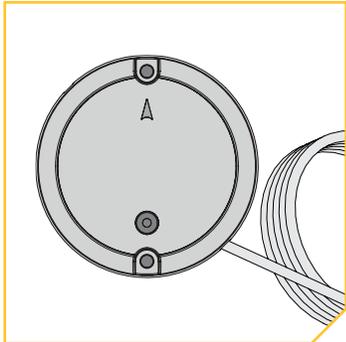
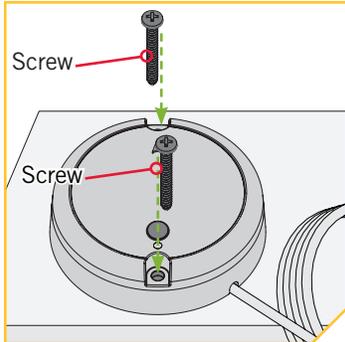


5

- f. Using a #2 Screwdriver, mount the Heading Sensor to the mounting location using the two screws. Hand tighten only.

CAUTION

If the mounting surface is thin or made of a lightweight material, the mounting surface may need to be reinforced in order to support the Heading Sensor. Hand tighten the mounting screw to avoid over tightening and to prevent damage to the mounting location and Heading Sensor.

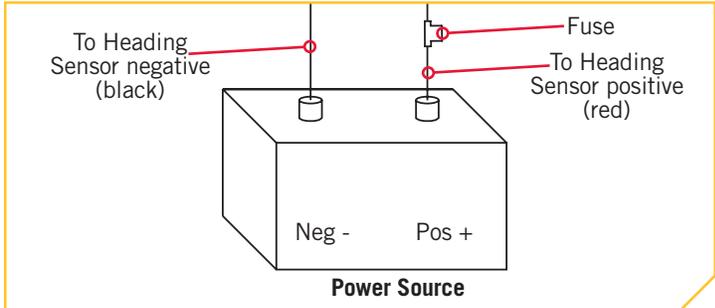


NOTICE: If replacement screws must be used, ensure that they are high grade non-magnetic stainless steel.

Connecting the Heading Sensor to a Power Source

The Heading Sensor is powered by a 12-volt power source. The Heading Sensor must be set up with a one amp fuse, either in-line, or connected to a fuse panel. To connect the Heading Sensor, please follow the directions below.

1. Connect positive (+) red lead to positive (+) power source terminal.
2. Connect negative (-) black lead to negative (-) power source terminal.



WARNING

Never connect the (+) and the (-) terminals of the same battery together. Take care that no metal object can fall onto the battery and short the terminals. This would immediately lead to a short and extreme fire danger.

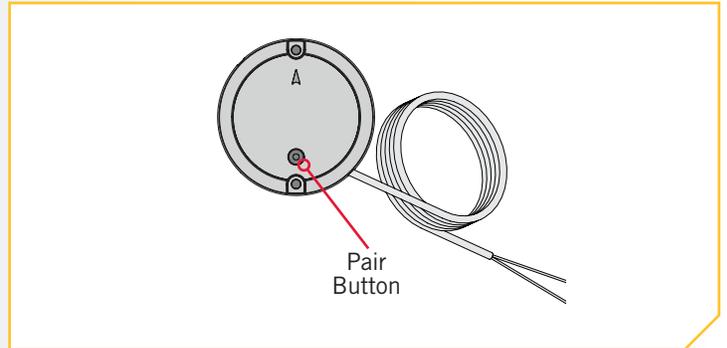
HEADING SENSOR

WORKING WITH THE HEADING SENSOR >

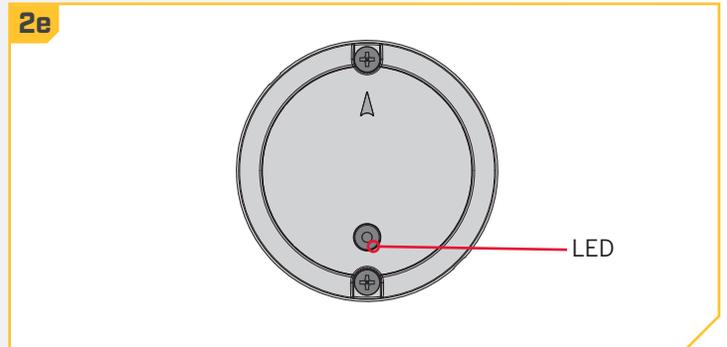
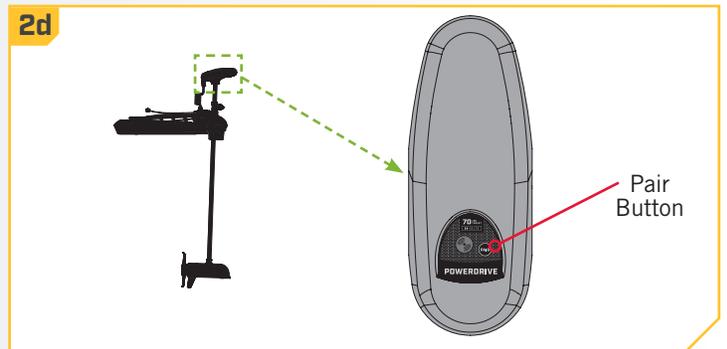
> Pairing the Heading Sensor

Before the Heading Sensor can be paired, make sure that it has been properly installed and connected to a power source. Review the LED patterns that the Heading Sensor communicates in order to understand what mode it is in and to be able to recognize that it has successfully paired once the process is complete. To pair the Heading Sensor:

- 1**
 - a. Connect the Heading Sensor to a power source. Verify that the LED on the Heading Sensor turns on for 3 seconds and then turns off.
 - b. Power on the trolling motor. Please see the trolling motor Owner's Manual for instructions on how to power up the trolling motor.
 - c. Press the Pair button on the Heading Sensor. Verify that the LED indicates it is attempting to pair.



- 2**
 - d. As quickly as possible, begin to hold the Pair button on the i-Pilot Control Head.
 - e. The i-Pilot Control Head will emit a beep pattern when the Heading Sensor is successfully paired. Release the Pair button on the Control Head. Watch the Heading Sensor to be sure that once it successfully pairs that it starts emitting the LED pattern for normal operation.
 - f. After the Heading Sensor is paired with i-Pilot or i-Pilot Link, proceed to Sensor Calibration and Sensor Offset.



NOTICE: If battery power is lost, the Heading Sensor will not lose its Pairing to the i-Pilot System when it is powered down.

» Heading Sensor Calibration

The Heading Sensor calibration is initiated using either the i-Pilot or i-Pilot Link remote. Refer to the Owner’s Manual for your motor if you are unsure of the i-Pilot system that comes with your motor. The process of calibrating the Heading Sensor must occur while your boat is on the water. Heading Sensor Calibration should always be performed after the trolling motor and Heading Sensor have been mounted, but before the Heading Sensor Offset is performed. The Heading Sensor must be connected to power and paired with the Control Head of the trolling motor before beginning this process. The calibration process requires the boat to be driven in two complete circles, so plan accordingly when preparing for this process. To complete this process, read all safety warnings and follow the procedure below.

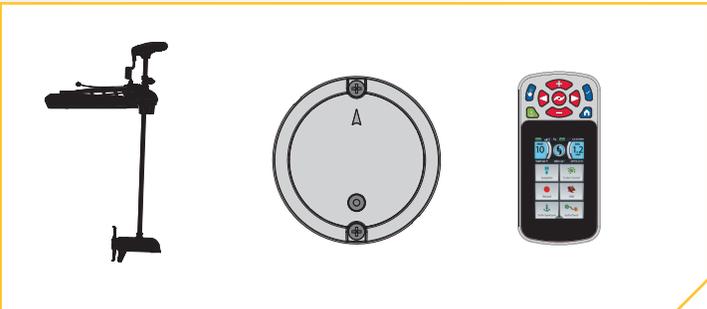
⚠ WARNING

You are responsible for the safe and prudent operation of your vessel. We have designed your Minn Kota product to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate your Minn Kota product in an area free from hazards and obstacles.

⚠ WARNING

Take care that neither you nor other persons approach the turning propeller too closely, neither with body parts nor with objects. The motor is powerful and may endanger or injure you or others. While the motor is running watch out for persons swimming and for floating objects. Persons whose ability to run the motor or whose reactions are impaired by alcohol, drugs, medication, or other substances are not permitted to use this motor.

- 1**
 - a. Review all safety warnings and then navigate your boat to an area of the water that is free from obstructions.
 - b. Power up the trolling motor according to the instructions provided in the Owner’s Manual. Make sure the Heading Sensor is also powered up and paired with the trolling motor.
 - c. Turn on the remote for your i-Pilot or i-Pilot Link system.



HEADING SENSOR

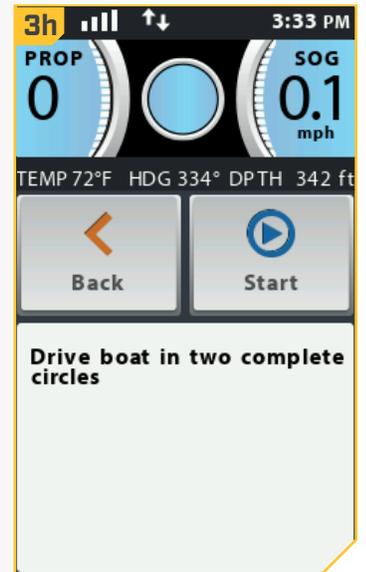
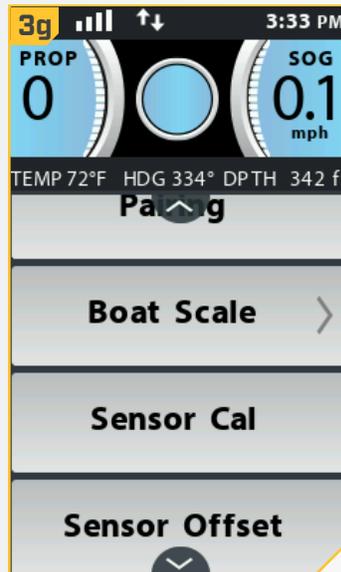
2

- d. On the i-Pilot Link remote, press the Home  button.
- e. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- f. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



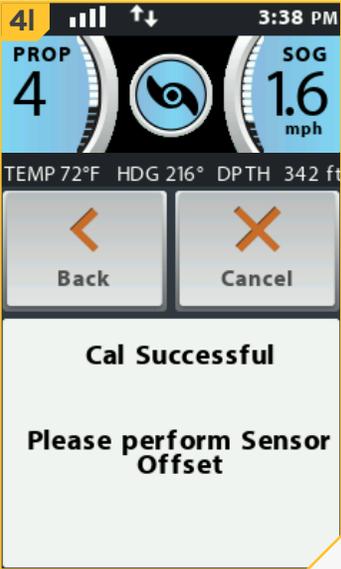
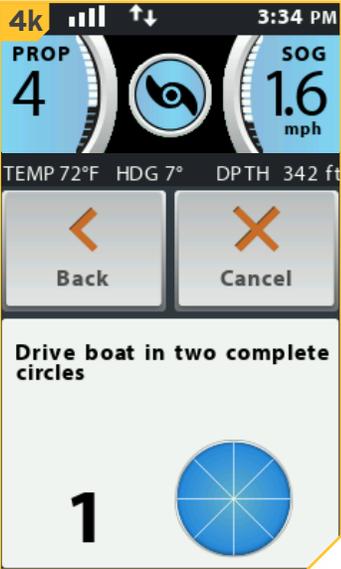
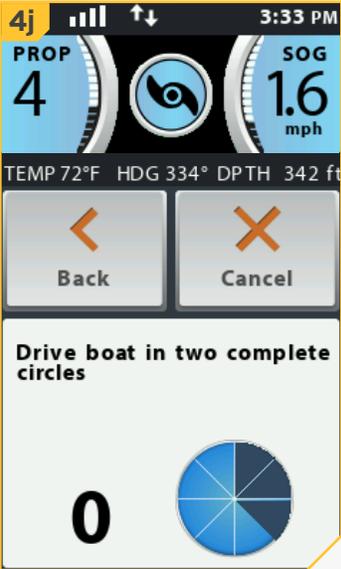
3

- g. Once in the System Menu, scroll through to find the Sensor Cal  option, and select it.
- h. The Sensor Cal options appear. In order to complete sensor calibration, the boat must drive in two complete circles.
- i. Review all safety warnings and then follow the prompts on the display screen and drive the boat in two complete circles. Follow the on-screen prompt and select the Start  button.



4

- j. The Circle on the right side of the display screen will show how the boat has progressed through the current circle and will fill in like a pie chart as the boat progresses.
- k. The left side of the Display Screen contains a counter that shows the number of complete circles that the boat has been driven and will increase from 0 to 1 and 2 as the circles are complete.
- l. Once the two complete circles have been completed, the display screen will read Cal Successful. To exit the menu, select either the Back button or the Home button.



HEADING SENSOR

Heading Offset

Once the Heading Sensor is calibrated, the Heading Offset needs to be set. Heading Offset is the difference between the angle of the Keel of the boat and the direction that the Heading Sensor is mounted to the deck of the boat. During installation, the Heading Sensor was installed to be as parallel to the Keel of the boat as possible. If the boat and Heading Sensor are perfectly parallel and pointing in exactly the same direction, the Offset will be a perfect 0° degrees. Knowing that installations are never perfect, the Heading Offset can be set on the i-Pilot Link remote to compensate for the difference between the two. Heading Offset has the ability to correct the difference in measurement in a range between +30° and -30° degrees.

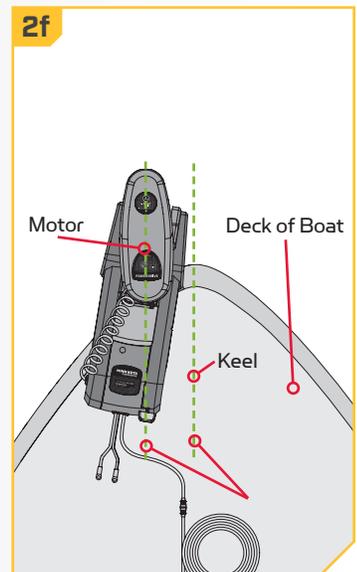
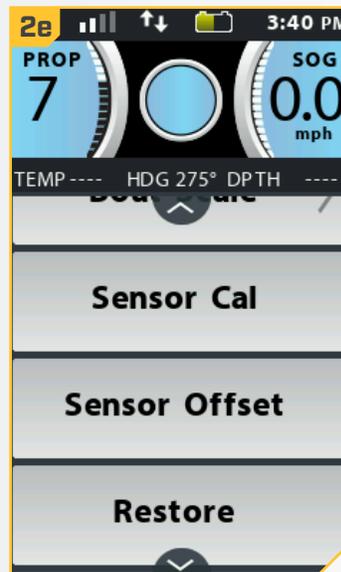
1

- a. On the i-Pilot Link remote, press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



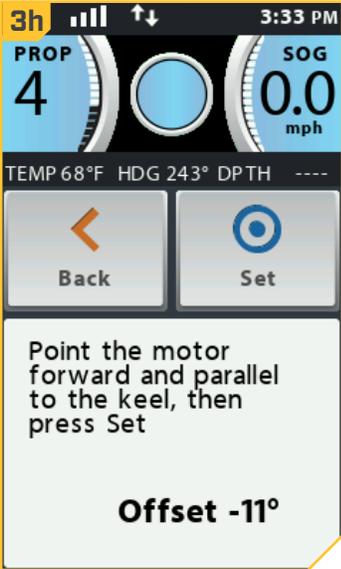
2

- d. Once in the System Menu, scroll through to find the Sensor Offset  option, and select it.
- e. The Sensor Offset options appear.
- f. Follow the on-screen prompts. Turn the motor so that it is pointing forward and parallel with the Keel of the boat.
- g. If the current Offset is greater than the allowable range, the Offset cannot be recorded.



3

- h. Once they are parallel, select the Set  button. Once set, the Offset on the bottom right of the Display Screen will update. The Sensor Offset will automatically adjust. In the event of an error, correct the Offset to fit within the tolerance allowed.
- i. Press the Home  button to exit the menu.



MOTOR CONTROLS

› To Toggle the Prop Auto On

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.
- Once in the Options Menu, scroll through to find the Prop Auto On  option.



2

- By default, the Prop Auto On is toggled "off".
- To toggle the Prop Auto On, press the Prop Auto On  option. The Toggle will turn green to indicate Prop Auto on is turned "on".

NOTICE: When the box next to Prop Auto ON is green, the prop will turn "on" when navigation features are used. By default the toggle is "off"

WARNING

When the Prop Auto On is toggled "on", the prop will turn on when navigation features are used. Navigation features include working with iTracks and AutoPilot. Be sure that the prop is clear from obstructions and hazards when using navigation features.

NOTICE: Prop Auto On is not the same as the Prop ON/OFF button. Prop Auto On will affect navigational features. The Prop ON/OFF button refers to the prop status during normal use. The Prop Auto On does not affect the operation of Prop ON/OFF.



NOTICE: Prop Auto On does not affect the Prop when Cruise Control is being used, or when High Speed Bypass is engaged. If Prop Auto On is not working as expected, check the motor speed. The propeller will turn at the current speed setting when Prop Auto On is engaged. If the Prop Auto on feature turns the prop on, and the propeller is not turning, the speed may be set to 0.

Adjusting Boat Scale

Ideal installation for a trolling motor is to have the proper amount of thrust for the size of the boat the trolling motor is being installed on. If the motor thrust is not properly matched to the boat size, Boat Scale can be used to compensate for the mis-match. The default is zero, assuming that the boat and trolling motor thrust are properly matched. For an installation where the motor thrust is undersized for the boat, increase the Boat Scale. For an installation where the motor thrust is oversized for the boat, decrease Boat Scale.

Thrust requirements are determined by the size and weight of your boat. Minn Kota suggests selecting a trolling motor with at least 2 lbs. of thrust for every 100 lbs. of boat weight when the boat is fully loaded with fuel, people, tackle, etc. This guide is established under normal lake fishing conditions and should be used as a general guide to determine how ideally the thrust of your trolling motor is matched to the weight of your boat.

Boat Weight in Pounds	Suggested <u>MINIMUM</u> Trolling Motor Size in Pounds of Thrust	Voltage	Max Boat Length
1,500 or below	30	12	14'
2,000	40 - 45	12	17' - 18'
2,500	50 - 55	12	20' - 21'
3,000 - 3,500	70	24	23'
4,000	80	24	25'
4,500 - 5,000	101 - 112	36	25'

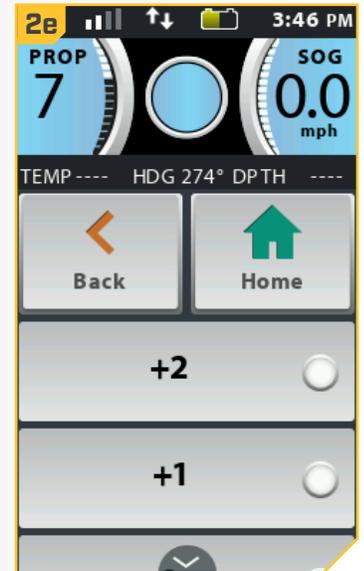
- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
 - c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



MOTOR CONTROLS

2

- d. Once in the System Menu, scroll through to find the Boat Scale  option and select it.
- e. The Boat Scale options appear. Select one of the five Boat Scales, either "+2" , or "+1" , "0" , "-1" , or "-2" .
- f. The circle to the right of the selected Boat Scale will be colored in green when selected.



Deploying the Motor

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Ultrerra  button.
- c. Select the Ultrerra  button using either your finger or by pressing the OK  button to open the Ultrerra Menu.

NOTICE: The Ultrerra button can only be found in the Content Area with the Home Control Buttons on i-Pilot Link systems on an Ultrerra motor. Certain Home Screen Buttons may be locked out while the motor is stowed because those functions require the motor to be deployed to operate.



◆ Only available with Ultrerra.

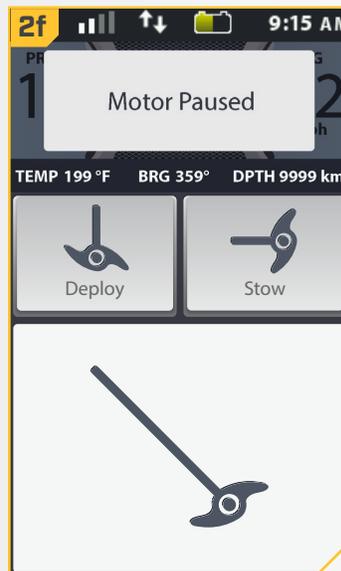
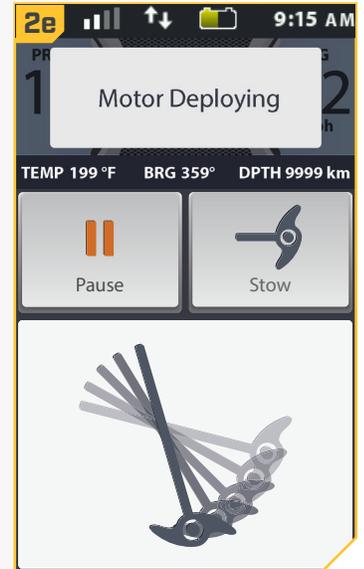
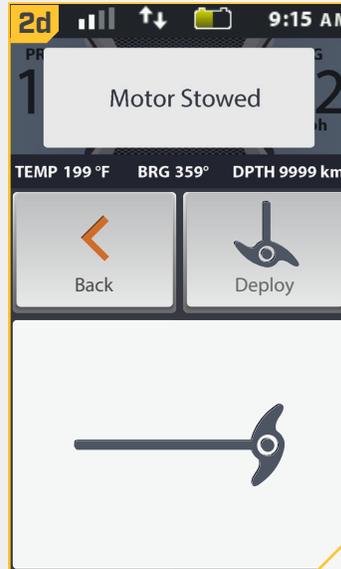
2

- d. Once in the Ulterra Menu, find the Deploy  button and select it. The Deploy  button requires a double press to engage.

WARNING

As soon as the Deploy button is selected, the motor will automatically deploy. Be sure the motor is clear from obstructions and has a clear path of travel. The Prop is disabled while the motor is stowed and being deployed to prevent accidental contact with the rotating propeller.

- e. The Ulterra motor will deploy. While the Motor is deploying, it is possible to pause the action. To pause the action, find the Pause  button and select it.
- f. To resume the Deploy action, select the Deploy  button.
- g. If the Motor continues, it will complete the deploy process and normal motor operation will follow.



MOTOR CONTROLS

› Stowing the Motor ♦

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Ultrera  button.
- Select the Ultrera  button using either your finger or by pressing the Ok  button to open the Ultrera Menu.

NOTICE: The Ultrera  button can only be found in the Content Area with the Home Control Buttons on i-Pilot Link systems on an Ultrera motor. The motor can only be stowed when it is currently deployed.



2

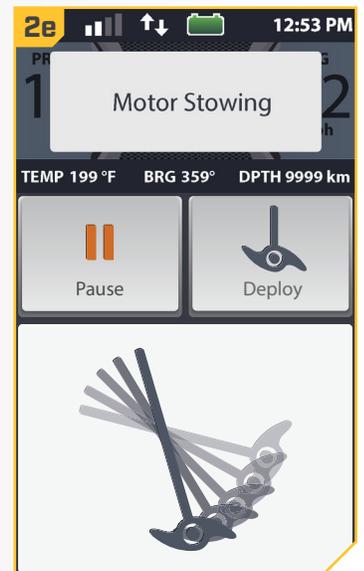
- Once in the Ultrera Menu, find the Stow  button and select it.

NOTICE: The Stow  button can only be found when the motor is deployed.

WARNING

As soon as the Stow  button is selected, the motor will automatically stow. Be sure the motor is clear from obstructions and has a clear path of travel. The Prop is disabled while the motor is being stowed to prevent accidental contact with the rotating propeller.

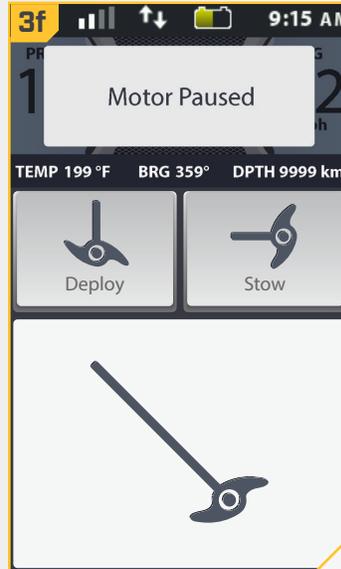
- The Ultrera motor will stow. While the Motor is stowing, it is possible to pause the action. To pause the action, find the Pause  button and select it.



♦ Only available with Ultrera.

3

- f. To resume the Stow action, select the Stow  button.
- g. If the Motor continues, it will complete the Stow process and normal motor operation will follow.



Adjusting Trim ♦

1

- a. Make sure that the motor is deployed, and then press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Ulterra  button.
- c. Select the Ulterra  button using either your finger or by pressing the Ok  button to open the Ulterra Menu.



♦ Only available with Ulterra.

MOTOR CONTROLS

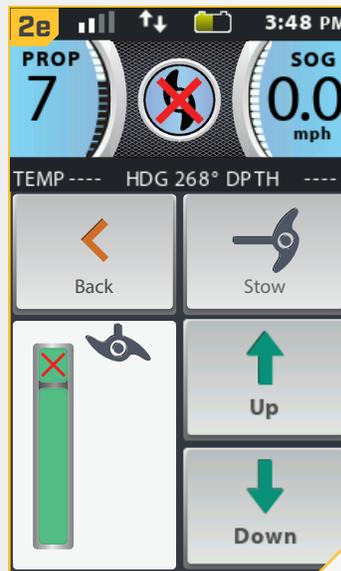
2

- d. Once in the Ulterra Menu, find the Up  button or Down  button. Trimming up will raise the motor and trimming down will lower the motor. Find the button for the desired direction and select it.

WARNING

As soon as the Up  button or Down  button is selected, the motor will automatically trim. Be sure the motor is clear from obstructions and has a clear path of travel. The Prop is disabled while the motor is being trimmed to prevent accidental contact with the rotating propeller.

- e. When the motor has reached its highest trim limit, the Prop will be locked out and the Up  button will be disabled. The Prop will stay locked out even when the Ulterra Menu has closed and the motor has not been trimmed down. When the Prop is locked out and the upper trim limit is reached, certain Home Screen Buttons will be locked out until the trim is lowered.
- f. When the lower trim limit is reached the Down  button will be disabled.



Change the Arrival Mode

The Arrival Mode is a setting that helps to control what i-Pilot Link does once certain navigation modes are complete. Arrival Mode affects Go To functions for iTracks, Waypoints and Routes. Arrival Mode also affects navigating Routes. The Arrival Mode will take over once the navigational feature has completed. i-Pilot Link has four Arrival Modes:

1. Off - Once the boat has completed navigating the iTrack, the Prop will turn off. Off is the default Arrival Mode.
2. Spot-Lock - After the boat has completed navigating the iTrack, the system will go into Spot-Lock at the point where the navigation is completed.
3. AutoPilot - Once the boat has completed navigating the iTrack, it will continue navigating in AutoPilot in the final direction the boat was navigating.
4. Auto Deploy Talon - Available as an option only when the i-Pilot System is paired with a Talon. After the boat has completed navigating, the system will deploy the Talon. If i-Pilot is paired with two Talons, the action to Auto Deploy Talon will control both Talons.

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.

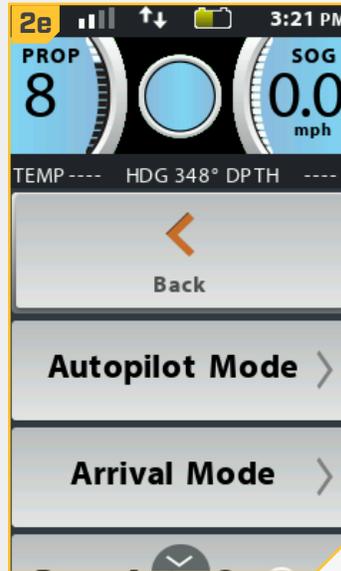
NOTICE: Arrival Modes affect iTracks, Routes and Waypoints. Changing the Arrival Mode will also be an option when selecting the Active Band for any navigational features that the Arrival Mode can be used on.



MOTOR CONTROLS

2

- d. Once in the Options Menu, scroll through to find the Arrival Mode option, and select it.
- e. The Arrival Mode options appear. Select either "Off" , "Spot-Lock" , "AutoPilot" or "Talon Deploy" . Once the desired option is selected, the circle to the right of the selected Arrival Mode will be colored in green.
- f. To exit the menu, select either the Back button or the Home button.



TALON CONTROLS

TALON CONTROL >

> Deploying the Talon(s)

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.

NOTICE: The Talon  button can only be found in the Content Area with the Home Control Buttons on i-Pilot Link systems paired with a Talon.

- Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.
- Once in the Talon Menu, find the Down  button, and select it. **The Down  button requires a double press to engage.** The Talon will deploy.

WARNING

Take care that neither you nor other persons approach the Talon too closely, while operating, neither with body parts nor with objects. The Talon is powerful and may endanger or injure you or others. While the Talon is operating, watch out for persons swimming and for floating objects. Persons who lack the ability to run the Talon or whose reactions are impaired by alcohol, drugs, medication, or other substances are not permitted to use this product.

NOTICE: To deploy the Talon, double press the Down  button. The remote will not recognize a double press that is too fast or too slow.



NOTICE: You do not need to press and hold the button to keep the Talon deploying. The Talon will automatically continue to deploy when the button is pressed until it has reached its full deployment length, received input to stop or completes anchoring.

TALON CONTROLS

2

- e. While the Talon is deploying, it is possible to pause the action. To pause the action, find the Pause  button and select it.
- f. To resume deploying the Talon, select the Down  button.
- g. Once the deploying anchor gets to its full length of travel or comes in contact with the bottom, it will go through an anchoring sequence determined by the current Mode and then stop.

 **CAUTION**

The Talon is equipped with a Deployment Notification Alarm. The Alarm is needed to comply with warranty requirements and when properly installed the alarm will only sound when the ignition key is turned on when the Talon is not fully retracted. Boat control may be affected by a deployed Talon. Take note of the Alarm, and always watch to make sure that the Talon is fully retracted while the boat is operating.



NOTICE: Unless the Talon Control setting on the i-Pilot Link Remote is set to Right or Left, the remote will control both Talons when deploying. Be mindful of which Talon(s) is selected when deploying them.

Retracting the Talon(s)

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.

NOTICE: The Talon  button can only be found in the Content Area with the Home Control Buttons on i-Pilot Link systems paired with a Talon. If the remote is already displaying the Talon Menu, pressing the Home button once will bring the remote to the top of the screen, pressing it twice will return to the Home Control Buttons.

- c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



2

- d. Once in the Talon Menu, find the Up  button, and select it. The Talon will retract.
- e. While the Talon is retracting, it is possible to pause the action. To pause the action, find the Pause  button and select it.
- f. To resume retracting the Talon, select the Up  button.
- g. Once the retracting anchor on the Talon gets to its fully retracted state, it will stop.

⚠ CAUTION

Be sure that the Talon is clear of obstructions and persons while retracting. The spaces between the 3 stages of the Talons can create a pinch point. Do not come in contact with the Talon while it is retracting to avoid the pinch point.

NOTICE: Unless the Talon Control setting on the i-Pilot Link Remote is set to Right or Left, the remote will control both Talons when retracting. Be mindful of which Talon(s) is selected when retracting them.

NOTICE: You do not need to press and hold the Up  button to keep the anchor retracting. The Talon will automatically continue to retract when the button is pressed until the Talon is either fully retracted or receives input to stop.



TALON CONTROLS

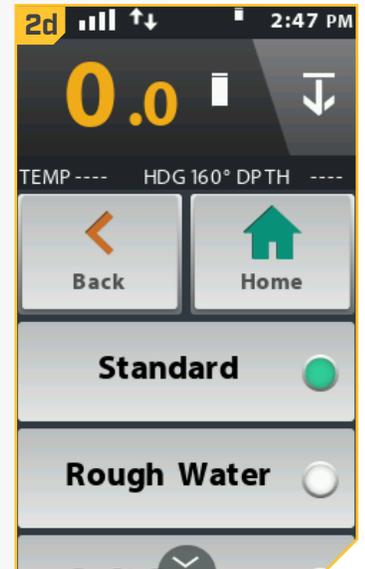
Toggle the Talon Anchor Mode

Toggle the Anchor Mode on the i-Pilot Link Remote when the water or anchoring conditions change to fit your anchoring needs.

- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
 - c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



- 2
 - d. Once in the Talon Menu, find the Anchor Mode  button, and select it. This opens the Anchor Mode Menu.
 - e. Select one of the three Anchor Modes, either "Standard" , "Rough Water" , or "Soft Bottom" .
 - f. The circle to the right of the selected Anchor Mode will be colored in green when selected.
 - g. To exit the menu, select either the Back  button or the Home  button.



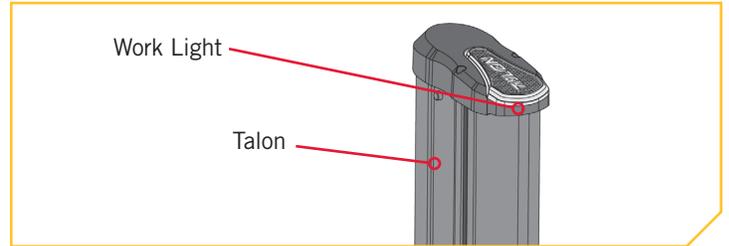
NOTICE: When the i-Pilot System is paired with two Talons, toggling the Anchor Mode on the i-Pilot Remote for one Talon will toggle the Anchor Mode for both Talons.

NOTICE: Read the "Using the Talon" section of the Talon Owner's Manual to learn more about Modes.

› Toggle the Work Light

WARNING

The Work Light on the Talon is not intended for navigational purposes. The Work Light does not replace or act as a substitute for proper navigation lighting of your vessel. Failure to properly light your boat may cause harm or serious injury.



1

- a. Press the Home button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Talon button.
- c. Select the Talon button using either your finger or by pressing the Ok button to open the Talon Menu.



2

- d. Once in the Talon Menu, find the Talon Work Light button, and select it. This opens the Talon Work Light Menu.
- d. Once in the Talon Work Light Menu, scroll through to find the Work Light button.
- e. To toggle the Work Light, press the Work Light button. The Toggle will turn green to indicate the Work Light is turned "on".
- f. To exit the menu, select either the Back button or the Home button.

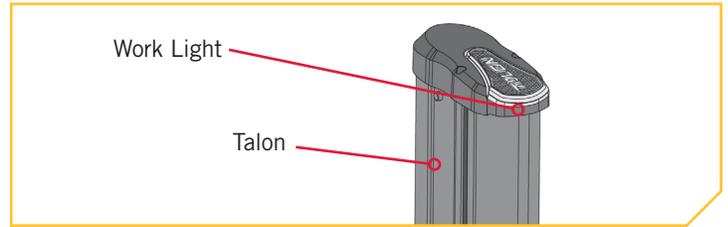


NOTICE: When the i-Pilot System is paired with two Talons, toggling the Work Light on the i-Pilot Link Remote for one Talon will toggle the Work Light for both Talons.

TALON CONTROLS

Toggle the Work Light Color

When the Work Light is turned on, the LEDs will be either white or blue. The color of the Work Light can be changed from the Talon Work Light Menu.



1

- Press the Home button.
- Scroll through the Content Area using either your finger or the Screen Navigation button to find the Talon button.
- Select the Talon button using either your finger or by pressing the Ok button to open the Talon Menu.

NOTICE: When the i-Pilot Link System is paired with two Talons, toggling the Work Light Color on one Talon will toggle the Work Light Color on both.



2

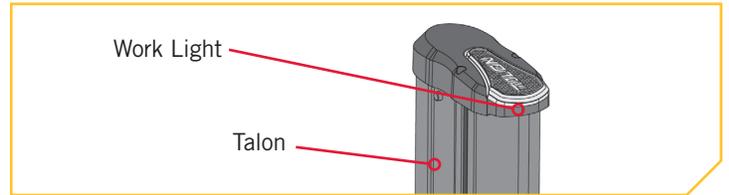
- Once in the Talon Menu, find the Talon Work Light button, and select it. This opens the Talon Work Light Menu.
- Scroll through the Work Light Menu and select one of the two Work Light colors, either "White Light" or "Blue Light" .
- The circle to the right of the Work Light color will be colored in green when selected.
- To exit the menu, select either the Back button or the Home button.

NOTICE: If the Work Light is toggled to the "off" position, it will not be possible to select either the White Light or Blue Light options.



Adjust the Work Light Brightness

The Work Light on the Talon has a high - medium - low brightness setting of white LEDs and blue LEDs. When the Work Light is turned on, the LEDs will be either white or blue, and then an intensity setting can be selected.



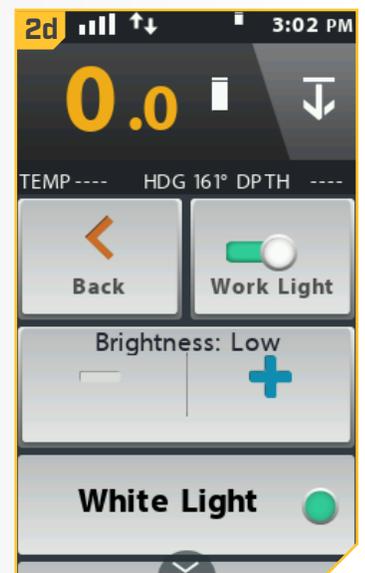
- 1 a. Press the Home button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Talon button.
- c. Select the Talon button using either your finger or by pressing the Ok button to open the Talon Menu.

NOTICE: When the i-Pilot Link system is paired with two Talons, adjusting the Work Light Intensity on one Talon will adjust the Work Light Intensity on both.



- 2 d. Once in the Talon Menu, find the Talon Work Light button, and select it. This opens the Talon Work Light Menu.
- e. With the Talon Work Light turned "on" the Brightness of the light can be set to Low, Medium or High.
- e. In the Talon Work Light Menu, find the "+ (Increase)" button or "- (Decrease)" button. Select the button to adjust the brightness in the corresponding direction.

NOTICE: The "+ (Increase)" button and the "- (Decrease)" button will grey out if the Work Light Brightness cannot be turned any further in that direction or if the light is toggled "Off".



- f. To exit the menu, select either the Back button or Home button to exit the menu.

TALON CONTROLS

› Select the Active Talon

When the i-Pilot Link System is paired to two Talons paired together, it is possible to control either the left or right Talon individually, or together. This is done from the Talon Menu.

- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
 - c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.

NOTICE: Changing the ability to stow and deploy the Talon is the only feature that is changed with the Active Talon Menu selection. All other features that are selected for one Talon will apply to both in instances where the i-Pilot Link System is paired to two Talons paired together. If the system is only paired to one Talon this button will be greyed out.



- 2
 - d. Once in the Talon Menu, find the Active Talon  button, and select it. This opens the Active Talon Menu.
 - e. Scroll through the Active Talon Menu and select one of the three options, "Left/Port" "Left/Port", "Right/Starboard" "Right/Starboard" or "Both" "Both".
 - f. The circle to the right of the Selected option will be colored in green when selected.
 - g. To exit the menu, select either the Back  button or the Home  button.



TALON OPTIONS >

> Toggle the Auto-Retract Message

The i-Pilot Link Remote will display a message when the Auto-Retract message feature is engaged and the boat is traveling above 5 mph when the Talon is at any percentage of deployment. The remote will not display a message about the Talon if it is deployed and the Auto-Retract is deselected, even if the boat exceeds 5 mph.

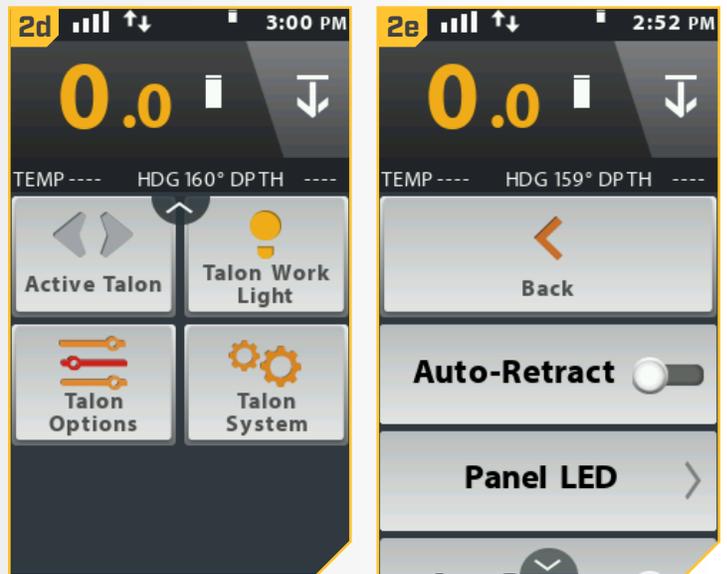
- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
 - c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.

NOTICE: When the i-Pilot System is paired with two Talons, engaging or disengaging the Auto-Retract message on one Talon will engage or disengage the Auto-Retract message on both.



- 2
 - d. Once in the Talon Menu, find the Talon Options  button, and select it. This opens the Talon Options Menu.
 - e. Once in the Talon Options Menu, scroll through to find the Auto-Retract  option.
 - f. By default, Auto-Retract is toggled "off".
 - g. To toggle Auto-Retract, press Auto-Retract  option. The toggle will turn green to indicate Auto-Retract on is turned "on".

NOTICE: When the toggle next to Auto-Retract is green, the Auto-Retract message is engaged. By default the toggle is "off".



TALON CONTROLS

Adjust the Panel LED Brightness

The brightness of the LED Panel on the Talon can be adjusted to account for ambient lighting conditions. There are three options for the LED panel brightness - low, medium and high.

1

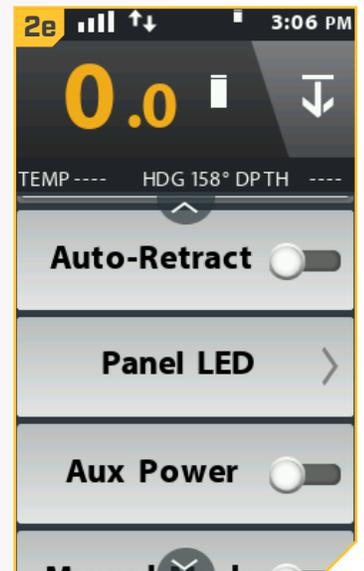
- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.

NOTICE: When the i-Pilot System is paired with two Talons, adjusting the panel LED brightness on one Talon will adjust the brightness on both Talons.



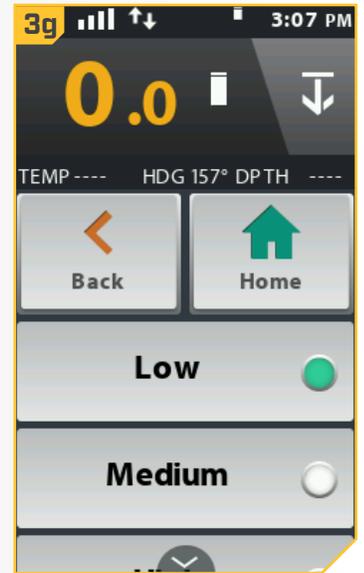
2

- Once in the Talon Menu, find the Talon Options  button, and select it. This opens the Talon Options Menu.
- Once in the Talon Options Menu, scroll through to find the Panel LED  button and select it.



3

- f. Scroll through the Panel LED Menu and select one of the three options, "Low" , "Medium"  or "High" .
- g. The circle to the right of the selected option will be colored in green when selected.
- h. To exit the menu, select either the Back  button or the Home  button.



Toggle Manual Mode

In the event that you ever need to manually retract the Talon, follow the procedure below.

NOTICE: The Talon must be in a deployed state when the Manual Retraction Procedure is used.

1

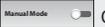
- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.

NOTICE: When the i-Pilot System is paired with two Talons, Manual Mode on each Talon can be toggled independently.



TALON CONTROLS

2

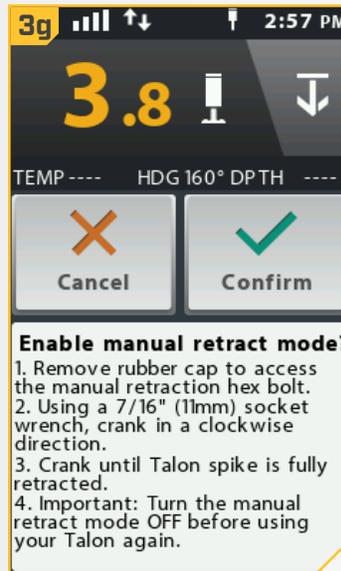
- d. Once in the Talon Menu, find the Talon Options  button, and select it. This opens the Talon Options menu.
- e. Once in the Talon Options Menu, scroll through to find the Manual Mode  option.
- f. In a single Talon installation, to toggle Aux Power, press the Manual Mode  option.

NOTICE: The appearance of the Manual Mode button will be different from a one to two Talon installation. When one Talon is paired, the Manual Mode  option will be a toggle. When two Talons are paired, the Manual Mode  option opens a menu.



3

- g. A message about placing the Talon into Manual Mode will appear along with a set of instructions.
- h. Carefully read and follow the instructions and select the Confirm  button. The screen will return to the Talon Options Menu and the toggle will turn green to indicate Manual Mode is turned "on".



4

- i. In a dual Talon installation, to toggle Manual Mode, press the Manual Mode  option. This will open a Manual Mode Menu.
- j. When the Manual Mode Menu opens, there will be a toggle for the "Left" and "Right" Talon. Select a Talon to put it into Manual Mode.



5

- k. A message about placing the Talon into Manual Mode will appear along with a set of instructions.
- l. Carefully read and follow the instructions and select the Confirm  button. The screen will return to the Manual Mode menu and the toggle will turn green to indicate Manual Mode is turned "on" for the selected Talon.



TALON CONTROLS

Reverse Talon Left/Right Installation

The i-Pilot Link System recognizes the Port as the left Talon and the Starboard as the right Talon. Use this setting in the event that you ever need to reverse the installation location of two Talons paired to the i-Pilot Link System.

NOTICE: The Reverse L/R Talon option is only available when two Talons are installed and paired with the i-Pilot Link System.

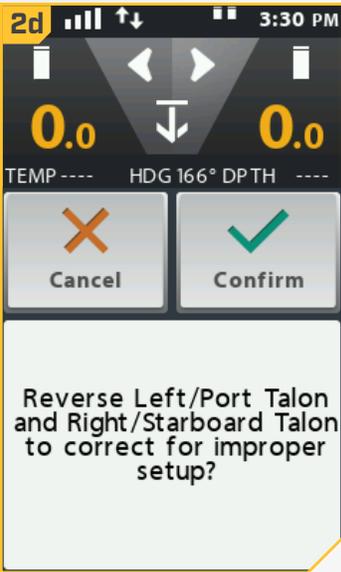
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



2

- d. Once in the Talon Menu, find the Talon Options  button, and select it. This opens the Talon Options Menu.
- e. Once in the Talon Options Menu, scroll through to find the Reverse L/R Talon  option.
- f. A message about reversing the Talons will appear. Carefully read the message and select the Confirm  button. The Talon locations will then be reversed.



TALON CONTROLS

TALON SYSTEM >

> Toggle the Touch Screen

The Touch Screen can be toggled from the Talon Menu. By default the Touch Screen is toggled "on".

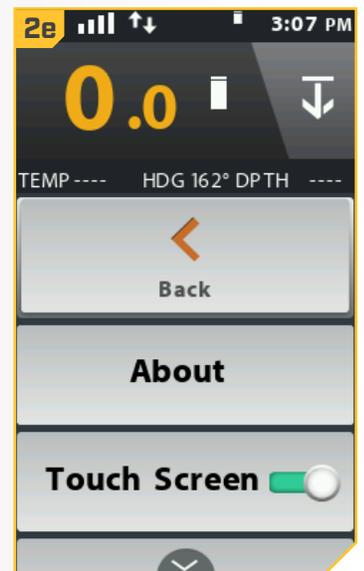
1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



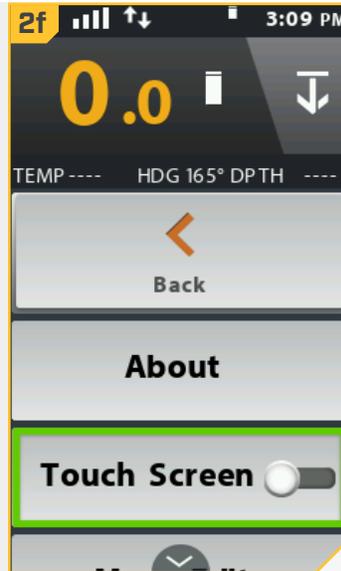
2

- Once in the Talon Menu, find the Talon System  button, and select it. This opens the Talon System Menu.
- Once in the Talon System Menu, scroll through to find the Touch Screen  button. By default the toggle is turned "on" and will be highlighted green when "on"



3

- f. To toggle the Touch Screen "off", press the Touch Screen  option. The Touch Screen toggle will turn gray to indicate the Touch Screen is turned "off".



› To Edit the Talon Menu

The i-Pilot Link remote allows the buttons in the Talon Menu to be rearranged. This allows the user to move favorites or frequently used buttons to the top of the menu.

1

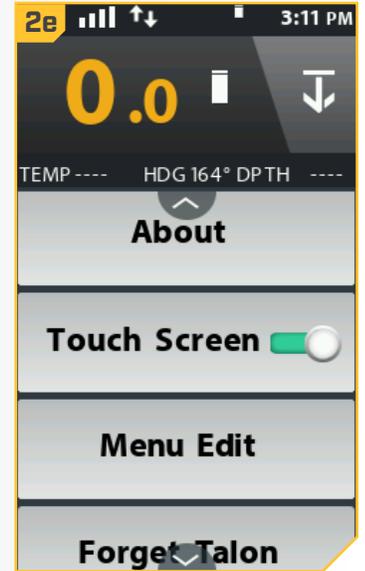
- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



TALON CONTROLS

2

- d. Once in the Talon Menu, find the Talon System  button, and select it. This opens the Talon System Menu.
- e. Once in the Talon System Menu, scroll through to find the Menu Edit  button and select it.



3

- f. Once the Menu Edit  button is selected, the display screen will return to the Talon Menu screen and display the on-screen prompt to "Select icon to move". Select the desired icon to move it.
- g. Select the desired placement of the selected icon. Repeat the selection and placement of all desired icons until the Talon Menu screen is as desired.



4

h. When done, select the Save  button to keep the new arrangement, or select the Cancel  button to return to the previous Talon Menu arrangement.



REMOTE CONTROLS

› To Adjust the Backlight

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.



1

- Once in the Options Menu, scroll through to find the Backlight  option, and select it.
- In the Backlight menu, find the Increase  button or Decrease  button. Select the button to move the brightness in the corresponding direction.
- Once the desired brightness is found, press the Home  button to exit the menu.

NOTICE: Remote battery life is subject to frequency of use and is especially impacted by how bright the LCD backlight is set.



> To Adjust the Backlight Timeout

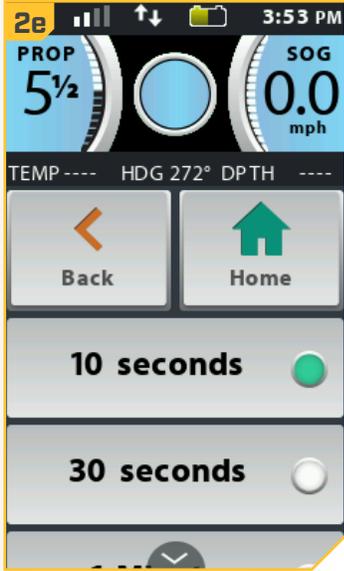
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.



2

- d. Once in the Options Menu, scroll through to find the Backlight Timeout  option, and select it.
- e. The Backlight Timeout options appear. Select one of the six options, either "10 seconds" , "30 seconds" , "1 Minute" , "5 Minutes" , "30 Minutes" , or "Always On" . The circle to the right of the selected Backlight Timeout will be colored in green when selected.
- f. Once the desired Backlight Timeout is selected, press the Home  button to exit the menu.



NOTICE: Remote battery life is reduced when longer backlight timeouts are selected.

REMOTE CONTROLS

Restore System Defaults

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



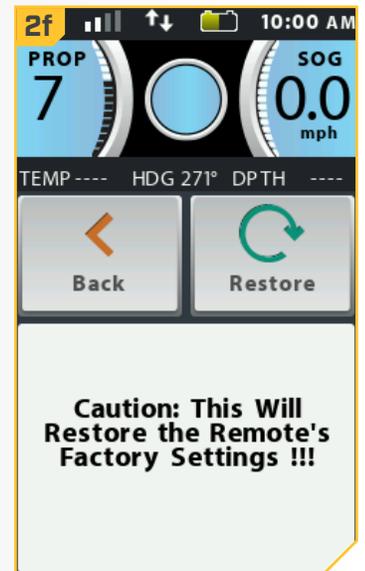
2

- d. Once in the System Menu, scroll through to find the Restore  option.
- e. The Restore options appear. Please note the On-screen prompt.

CAUTION

This will restore the i-Pilot's factory settings!

- f. Select the Restore  button. Selecting the Restore  button will restore the i-Pilot's factory settings. The remote will reboot during the restore process.
- g. To exit the menu, instead of restoring the remote, press the Home  button.



1 Selecting Remote Language

- 1 a. Press the Home button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Options button.
- c. Select the Options button using either your finger or by pressing the Ok button to open the Options Menu.



- 2 d. Once in the Options Menu, scroll through to find the Language option, and select it.
- e. The Language options appear. Select one of the seventeen Language options. The circle to the right of the selected Language will be colored in green when selected.
- f. Once the desired Language is selected, press the Home button to exit the menu.

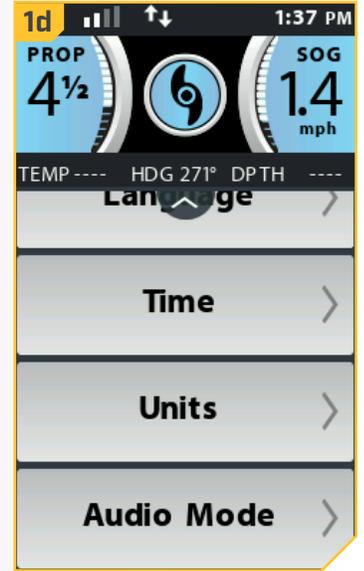


REMOTE CONTROLS

Change the Depth Units

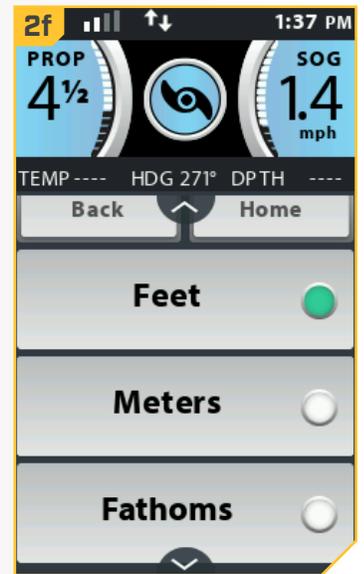
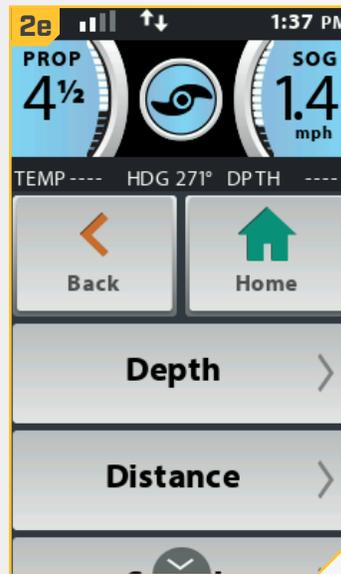
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Units  option, and select it.



2

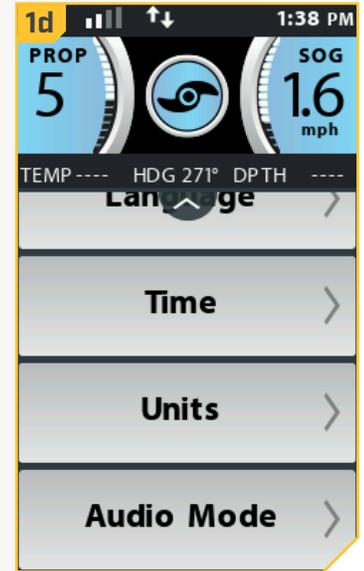
- e. The Units options appear. Scroll through to find the Depth  option, and select it.
- f. The Depth options will appear. Scroll through and find the desired Depth option and select it. The options include "Feet" , "Meters" , or "Fathoms" . The circle to the right of the selected Depth Unit will be colored in green when selected.
- g. Once the desired Depth Unit is selected, press the Home  button to exit the menu.



Change the Distance Units

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Units  option, and select it.



2

- e. The Units options appear. Scroll through to find the Distance  option, and select it.
- f. The Distance options will appear. Scroll through and find the desired Distance option and select it. The options include "ft or sm" , "m or km" , "ft or nm" , or "m or nm" . The circle to the right of the selected Distance Unit will be colored in green when selected.
- g. Once the desired Distance Unit is selected, press the Home  button to exit the menu.

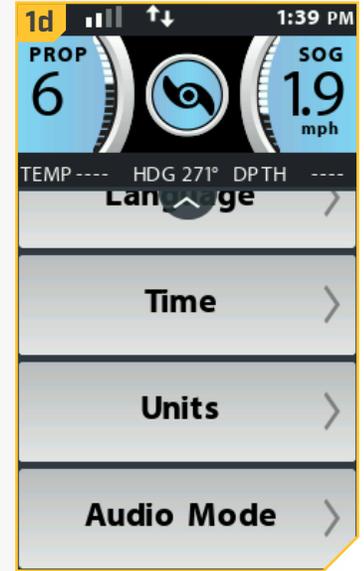


REMOTE CONTROLS

Change the Speed Units

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Units  option, and select it.



2

- e. The Units options appear. Scroll through to find the Speed  option, and select it.
- f. The Speed options will appear. Scroll through and find the desired Speed option and select it. The options include "Kts" , "Mph" , or "Kph" . The circle to the right of the selected Speed Unit will be colored in green when selected.
- g. Once the desired Speed Unit is selected, press the Home  button to exit the menu.



Change the Temperature Units

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the OK  button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Units  option, and select it.



2

- e. The Units options appear. Scroll through to find the Temperature  option, and select it.
- f. The Temperature options will appear. Scroll through and find the desired Temperature option and select it. The options include "Fahrenheit" , or "Celsius" . The circle to the right of the selected Temperature Unit will be colored in green when selected.
- g. Once the desired Temperature Unit is selected, press the Home  button to exit the menu.



REMOTE CONTROLS

Change the Time Format

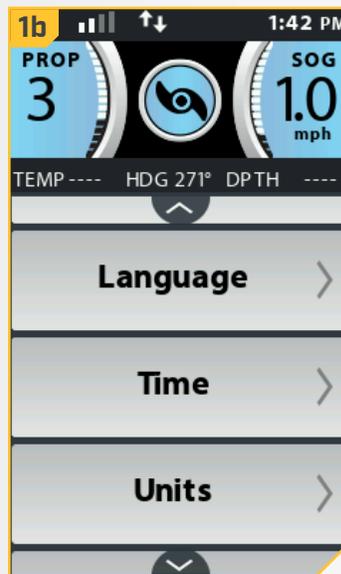
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.



2

- d. Once in the Options Menu, scroll through to find the Time  option, and select it.
- e. The Time options appear. Scroll through and find the desired Time option and select it. The options include "12-Hour" , or "24-Hour" . The circle to the right of the selected Time Unit will be colored in green when selected.
- f. Once the desired Time Unit is selected, press the Home  button to exit the menu.



Change the Time Zone

1

- a. Press the Home button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Options button.
- c. Select the Options button using either your finger or by pressing the Ok button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Time option, and select it.



2

- e. The Time options appear. Scroll through to find the Time Zone option, and select it.
- f. The Time Zone options will appear. Select one of the thirty-five Time Zones. The circle to the right of the selected Time Zone will be colored in green when selected.
- g. Once the desired Time Zone is selected, press the Home button to exit the menu.

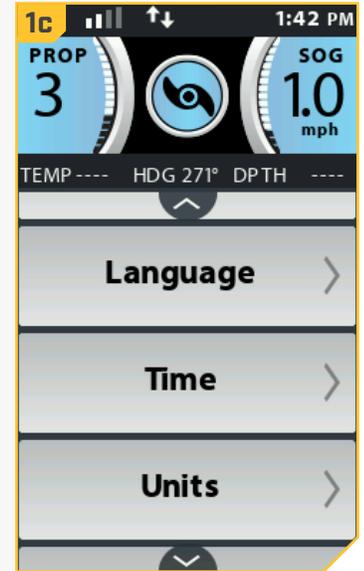


REMOTE CONTROLS

Toggle Daylight Savings

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the OK  button to open the Options Menu.
- d. Once in the Options Menu, scroll through to find the Time  option, and select it.



2

- e. The Time options appear. Scroll through to find the DST  option.
- f. To toggle DST (Daylight Savings Time), press the DST  option. The Toggle will turn green to indicate DST is turned "on".
- g. Once the desired selection is made, press the Home  button to exit the menu.

NOTICE: The DST toggle automatically adjusts the display to the correct time when Daylight Savings Time is in effect. The adjustment is in effect when it is toggled to the right and colored in green. It is not in effect when the box is not colored and the toggle is to the left.



Change the Go To List Sort Order

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.

NOTICE: Changing the list sort order organizes how the list of Spot-Locks, Waypoints and iTracks are displayed.



2

- d. Once in the Options Menu, scroll through to find the Sort Order  option, and select it.
- e. The Sort Order options will appear. Scroll through and find the desired Distance option and select it. The options include "Distance" , "Time stamp" , or "Name" . The circle to the right of the selected Sort Order will be colored in green when selected.
- f. Once the desired Sort Order is selected, press the Home  button to exit the menu.

NOTICE: Distance will sort a list from the closest to the farthest away. Time stamp will sort a list from the most recent date created to the oldest date. Name will sort in alphabetical order.



REMOTE CONTROLS

› Set the Remote Auto Off

The Remote is factor set to turn off after it stops receiving input from the buttons or the touch screen after a certain length of time. The Auto Off setting lets the operator determine how long the remote will stay on before the remote will power off.

WARNING

When the motor is being controlled by the i-Pilot system, the Control Head will continue to perform the last task it was assigned, even when the remote is not powered "on". Be sure to know how to power the motor "on" and "off", and always be alert for unexpected motor movement, such as a turning propeller, even when the remote is powered "off". Refer to the motor Owner's Manual for how to control the motor without the i-Pilot remote and become familiar with it's features including how to turn it "on" and "off". When the remote turns "off" based on the setting chosen with the Auto Off feature, be sure to learn to turn the remote on by pressing the Ok  button and following the on screen prompts. After the remote is powered "on" it will need to connect to the Control Head before it is active again.

- 1** a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- c. Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.

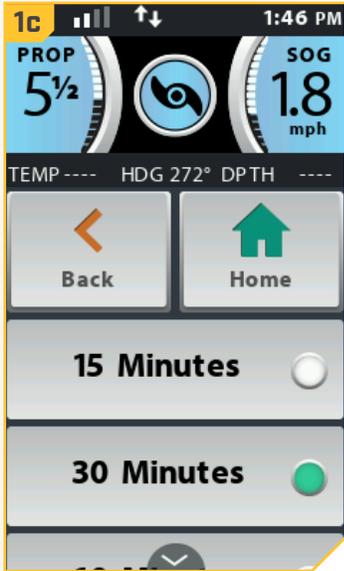
NOTICE: See the System Startup section of this manual for more information on how to power the Remote "on". The Auto Off will turn the remote off after the selected time frame.



2

- d. Once in the Options Menu, scroll through to find the Auto Off  option, and select it.
- e. The Auto Off options will appear. Scroll through and find the desired Auto Off option and select it. The options include "15 Minutes" , "30 Minutes" , "60 Minutes" , "90 Minutes" , "120 Minutes" , or "Always On" . The circle to the right of the selected Auto Off will be colored in green when selected.
- f. Once the desired Auto Off is selected, press the Home  button to exit the menu.

NOTICE: Remote battery life is reduced when longer Auto Off times are selected.



› To Lock the Remote

1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Lock Keys  button.
- c. Select the Lock Keys  button using your finger by pressing and holding for 2 seconds. The remote can also be locked by pressing and holding the Screen Navigation  button for 2 seconds.

NOTICE: You must press and hold the appropriate button for 2 seconds to lock the remote.



REMOTE CONTROLS

› To Unlock the Remote

1

- Press and hold the Screen Navigation  button for 2 seconds to unlock the remote.
- The remote will unlock.

NOTICE: Pressing and holding the Screen Navigation  button for 2 seconds is the only way to unlock the remote.



› To Rotate the Touch Screen

If you prefer the remote buttons to be orientated below the touch screen, the i-Pilot Link remote has the option to orientate the screen to accommodate this preference. Once you orientate the screen, you can hold the remote with the buttons below the touch screen and the screen will be right reading. When orientating the screen, the Steer Right  button and the Steer Left  button swap functions in order to correct for position of the remote.

1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Options  button.
- Select the Options  button using either your finger or by pressing the Ok  button to open the Options Menu.



2

- d. Once in the Options Menu, scroll through to find the Screen Rotate  option. By default, the Screen Rotate is toggled "off".
- e. To toggle Screen Rotate "on", press the Screen Rotate  option. The Screen Rotate toggle will turn green to indicate Screen Rotate on is turned "on". The orientation of the screen will also rotate 180 degrees.

NOTICE: When the Screen Rotate toggle is turned "on" the Steer Right  button and the Steer Left  button swap functions. If the remote is then held so the screen is right reading, the steering buttons will also control the motor in the correct direction.



> To Toggle the Touch Screen

If you prefer to turn the touch screen functionality "on" or "off", please use the following procedure.

1

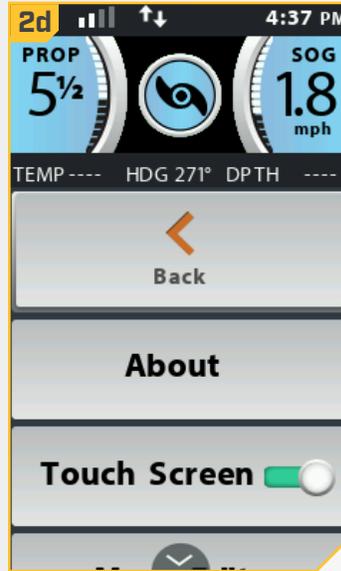
- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



REMOTE CONTROLS

2

- d. Once in the System Menu, scroll through to find the Touch Screen  option. By default, the Touch Screen is toggled "on".
- e. To toggle the Touch Screen "off", press the Touch Screen  option. The Touch Screen toggle will turn gray to indicate the Touch Screen on is turned "off".

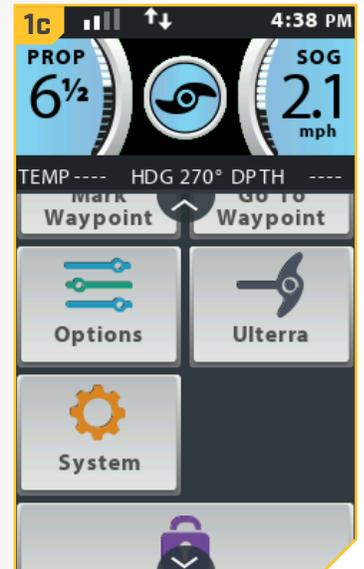


› To Edit the Home Screen Button Menu

The i-Pilot Link remote allows the buttons in the Home Screen menu to be rearranged. This allows the user to move favorites or frequently used buttons to the top of the menu.

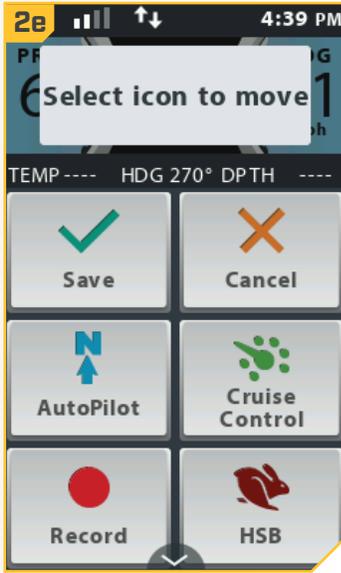
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



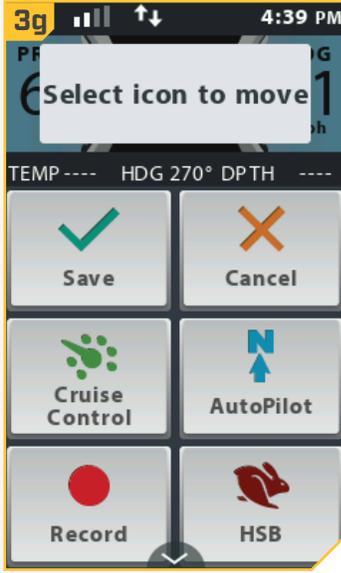
2

- d. Once in the System Menu, scroll through to find the Menu Edit  option and select it.
- e. Once the Menu Edit is selected, the display screen will return to the Home Screen Buttons and display the on-screen prompt to "Select icon to move". Select the desired icon to move.



3

- f. Select the desired placement of the selected icon. Repeat the selection and placement of all desired icons until the Home Screen Button Menu is as desired.
- g. When done, select the Save  button to keep the new arrangement, or select the Cancel  button to return to the previous menu arrangement.

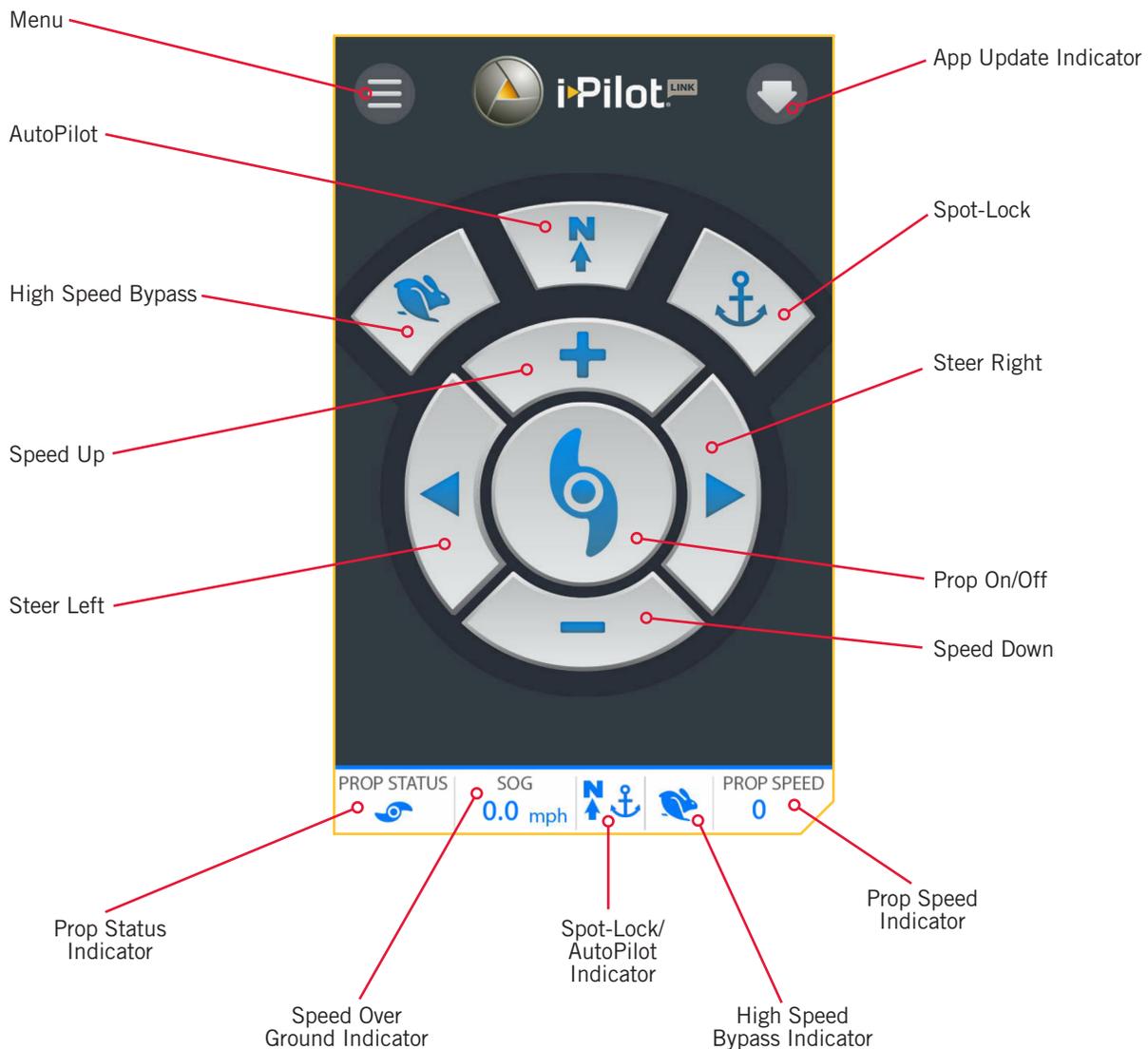


i-PILOT LINK APP

Minn Kota offers an i-Pilot Link App that can be used to control and update i-Pilot Link on your motor using a Bluetooth® enabled device. The i-Pilot Link App is available for download on iOS devices through the Apple App store or Android devices through the Google Play store.



i-Pilot Link App Home Screen



NOTICE: Specifications subject to change without notice. This diagram is for reference only and may differ from your actual app interface. i-Pilot Link app will only work with i-Pilot Link enabled motors. Be sure that you download the correct app as other Minn Kota apps will not work with your motor.

APP BUTTONS >



Speed Up & Speed Down

Press to increase or decrease motor speed. Buttons change appearance when Spot-Lock is engaged and Spot-Lock Jog is available.



Spot-Lock Jog

The Speed Up and Speed Down buttons change function when Spot Lock is engaged and Spot-Lock Jog is available. A Heading Sensor is required for Spot-Lock Jog. When Spot-Lock Jog is available, these buttons function to jog the boat either forward or backward.



Steer Left & Steer Right

Press to steer the motor to the left or to the right. While Spot-Lock is enabled, and Spot-Lock Jog is available, these buttons will function to jog the boat to either the left or right if your motor is connected to a Heading Sensor.



Prop On/Off

Pressing this button will turn the Prop on and off.



High Speed Bypass

Bypasses the current motor speed to speed 10. Double press to engage. Single press to disengage.



Spot-Lock

Press to enable Spot-Lock.



AutoPilot

Press to enable AutoPilot or Advanced AutoPilot. The default AutoPilot Mode is set on the remote.

HEADER >



Menu

When selected, the Menu icon gives options to update software for the Control Head and Remote when available, get help, check which version of software is loaded into the i-Pilot Link remote or Control Head, and register your product.

NOTICE: When the device is not connected to a motor, the Menu will bring up the option to enter Demo Mode. Once the device is connected to a motor, Demo Mode is exited and the option is not available.



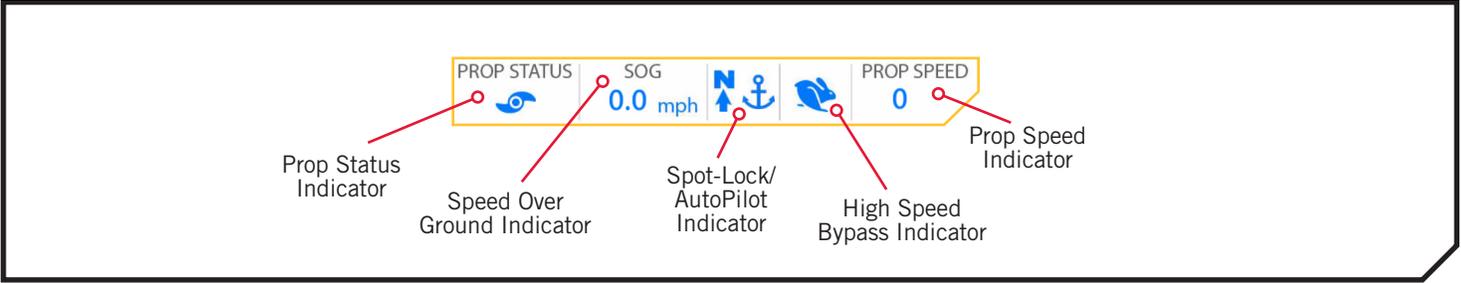
App Update Indicator

The App Update Indicator is only available when an update to the app is available. This icon will not appear when the app is up-to-date. This icon is for updates to the app only. For updates to the controller, refer to the "i-Pilot Link Software Update" option in Menu of the app.

i-PILOT LINK APP



FOOTER >



Prop Status Indicator

The Prop Status Indicator contains a Prop icon when the Prop On/Off is turned "on" and is empty when the Prop On/Off is turned "off". The Prop icon will rotate when the Prop is turned on and the speed is above 0 (zero).



Speed Over Ground Indicator

The Speed Over Ground indicator contains the speed that the motor is moving over the ground in mile per hour increments.



Spot-Lock Indicator

The Spot-Lock Indicator contains the Spot-Lock icon when Spot-Lock is engaged. The icon will look the same regardless of the availability of Spot-Lock Jog.

NOTICE: The Spot-Lock and AutoPilot Indicators are in the same place in the app footer. Since AutoPilot and Spot-Lock cannot be turned on at the same time, this location will contain one icon or the other. When neither feature is turned on, the location will be empty.



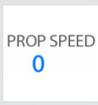
AutoPilot Indicator

The AutoPilot Indicator contains the AutoPilot icon when AutoPilot is engaged. The icon will look the same regardless of the AutoPilot Mode that is determined on the remote.



High Speed Bypass Indicator

The High Speed Bypass icon will appear when High Speed Bypass is engaged. The High Speed bypass button requires a double press to engage the feature and make the icon appear. No icon is present when High Speed Bypass is disengaged.



Prop Speed Indicator

The Prop Speed Indicator displays the current Prop speed.

WARNING

The person operating the i-Pilot Link app is under the same responsibility of operation as if they were operating the i-Pilot Link either through the remote or any other manner. All safety considerations and precautions for motor operation must be heeded and abide by. This applies to the general "Safety Considerations" at the beginning of this manual and cautions and warnings that are specific to general operation and using features of the i-Pilot Link system.



LAUNCHING THE APP & DEMO MODE

Launching the app when it is not paired with the motor will allow you to try it out. Every time the app is launched, you must agree with the disclaimer in order to continue. Become familiar with the app screens in order to understand how to operate your motor with the app.



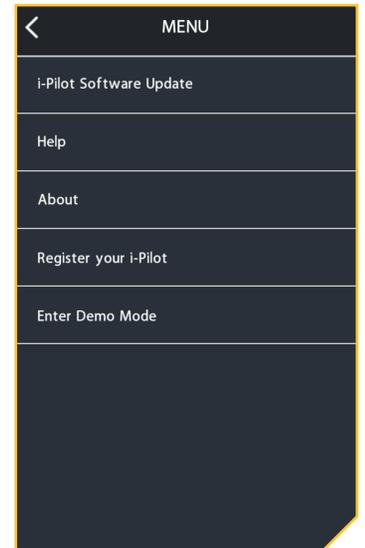
The "Disclaimer" screen when the app is launched.



The "Motor Not Found" screen will appear when the app launches and the motor is either not powered up, connected with Bluetooth or paired to the device.



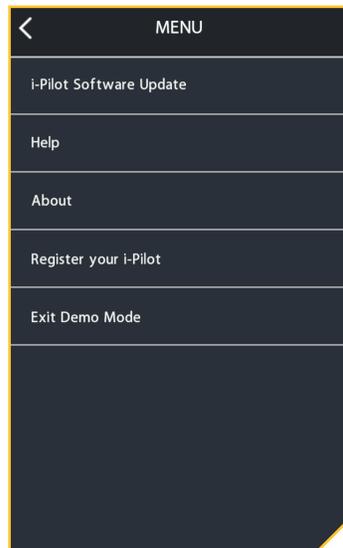
The buttons are deactivated when the app is not connected to a motor.



By selecting the Menu, you can "Enter Demo Mode" to engage in the app.



The Home Screen when in Demo Mode.



By selecting the Menu while in Demo Mode, you can "Exit Demo Mode".

NOTICE: Once the app is paired with a motor, the full features of the app will be available. Demo Mode is only available when the device is not paired or communicating with a motor.

i-PILOT LINK APP

GETTING STARTED >

> Pairing the Device with the i-Pilot Link Controller

In order to pair the device with the controller, the app should first be successfully downloaded. You can check that the app was successfully downloaded by opening it on your device. Once you have successfully installed the app and verified installation, close the app to begin the pairing process.

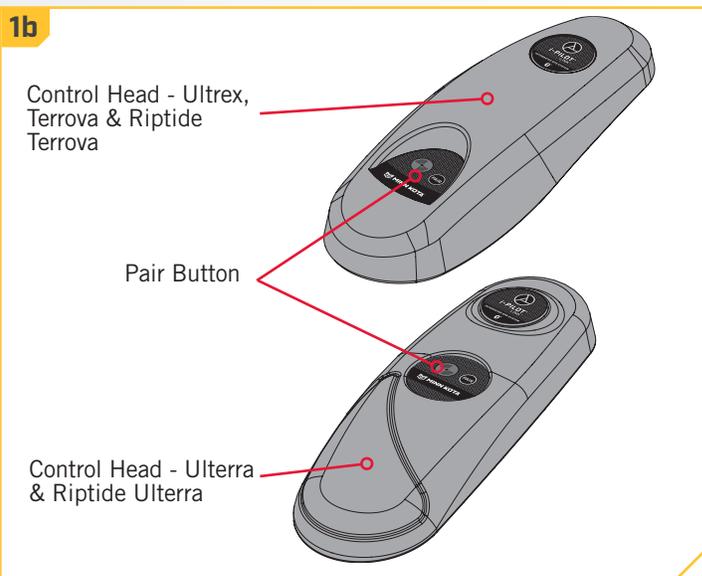
NOTICE: Your device will only be able to connect to a motor and be paired if Bluetooth is enabled on the device you want to pair.

- 1**
 - a. On the device you intend to pair with the i-Pilot Link controller, turn Bluetooth "on".
 - b. Locate the Pair button on the top of your Control Head. The Control Head contains the i-Pilot Link controller. Press and hold the Pair button. The Control Head will emit a continuous tone.
 - c. While the Pair button is being held down, scan for the motor on your device. On the device, select the motor from the list of detected devices. Once the device is paired with the motor, the Control Head will emit 3 longer beeps. Once you hear the beeps, the motor was successfully paired and you can stop pressing the Pair button.

NOTICE: In order for the device and your motor to stay connected, Bluetooth needs to remain "on". Once the device is paired with the motor, they will connect and begin communicating with each other.

- d. Once the device is paired with the motor, and they are connected, the buttons on the Home screen will be blue. If they are not communicating, the buttons will stay deactivated.

NOTICE: You can have up to two devices paired to an i-Pilot Link controller.



Update the i-Pilot Link App

NOTICE: It is important to keep the i-Pilot Link App up-to-date, because all updates to the i-Pilot Link remote and controller are communicated through the app.

1

- a. Open the i-Pilot Link app on the device. Check to see if the App Update Indicator icon in the upper right hand corner is present. If no icon is present, the device app is up-to-date.
- b. If the App Update Indicator icon is present, you need to update the app on the device.



i-PILOT LINK APP

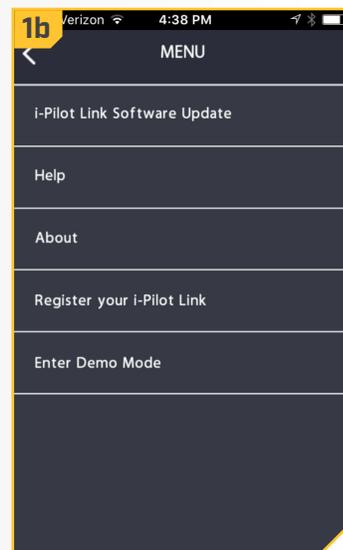
› Check Remote and Controller Software Version

The i-Pilot Link App on the device communicates with the i-Pilot Link controller, which is in the Control Head of the paired motor. When the App is communicating with a controller, the About screen will display the current version of the app and information about the versions of software in the controller.

- 1
 - a. From the i-Pilot app Home screen, press the Menu icon.
 - b. In the Menu screen, select the About option.
 - c. The About screen will appear showing the version of the i-Pilot app on the device, the version of i-Pilot software in the controller and the version of the i-Pilot remote software stored in the controller.

NOTICE: Noting the version of the App, controller and remote will help to identify if they are up-to-date and if updates were successful.

NOTICE: The app cannot communicate directly with the i-Pilot remote. The i-Pilot controller holds i-Pilot remote updates that must be updated from the remote. Complete any remote updates after all other updates have been complete. To update the remote, please see the "Update i-Pilot Remote Software" section of this manual.

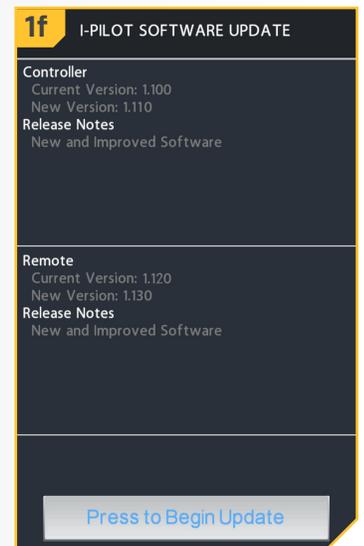
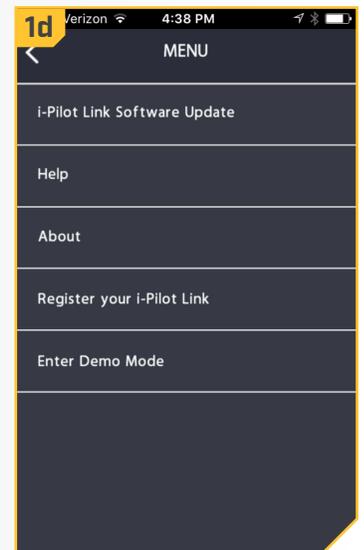


› Update the i-Pilot Link Controller

In order to update the i-Pilot Link controller, the i-Pilot Link app on the device should first be updated. To update the app, please refer to the "Update the i-Pilot Link App" section of this manual. To update the controller, please also confirm that the device is turned on and the controller is paired with the device. To complete this process, please refer to the "Pairing a Device with the i-Pilot Link Controller" section of this manual. Once both of those are confirmed, please use the following steps to update the controller.

NOTICE: The i-Pilot Link remote must be updated from the controller, using the remote. Complete any remote updates after all other updates have been complete. To update the remote, please see the "Update i-Pilot Remote Software" section of this manual.

- 1
 - a. Make sure that the following criteria are met:
 - The app is up-to-date.
 - The device has Bluetooth enabled.
 - The device is paired with the controller.
 - The device is within range of the controller during the update process.
 - b. Open the i-Pilot app on the device.
 - c. Read and then accept the disclaimer to bring up the Home screen. In the upper left hand corner of the Home screen, press the Menu icon to bring up the Menu.
 - d. When the Menu screen displays, select the i-Pilot Software Update option.
 - e. If the software is up-to-date, the screen will read "Software Up To Date". If the software needs to be updated, there will be information on the screen stating "New Software Available!"
 - f. Select "New Software Available!" and information about the current and new versions will display along with a button that reads, "Press to begin Update."
 - g. Follow the on-screen prompt to successfully complete the update.



SERVICE & MAINTENANCE

› To Open the Diagnostics Screen

When opening the About Screen, the screen will display information on the Battery, Motor Heading and Heading Sensor.

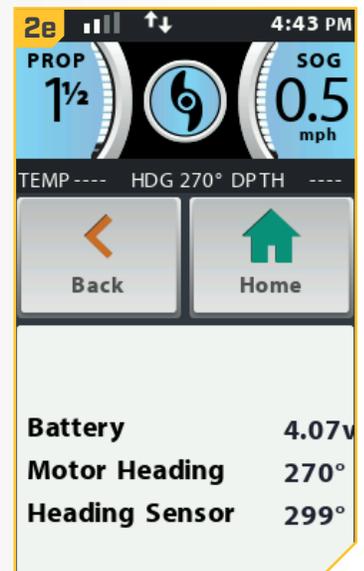
1

- Press the Home  button.
- Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
- Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



2

- Once in the System Menu, scroll through to find the Diagnostics  option.
- Information about the Battery, Motor Heading and Heading Sensor will appear on the screen.



i-PILOT LINK SOFTWARE

CHECKING & UPDATING SOFTWARE >

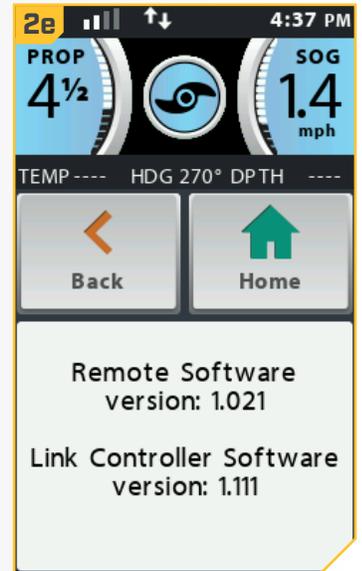
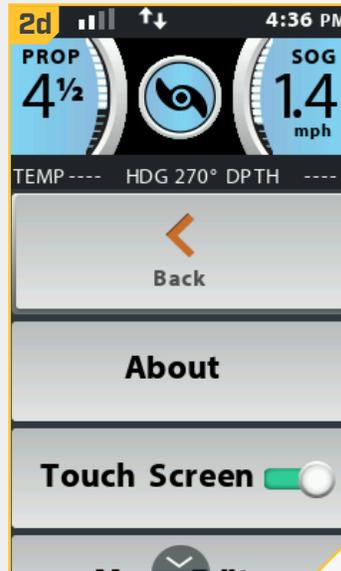
> To Open the About Screen

When opening the About Screen, the screen will display the i-Pilot Link Remote and controller software version.

- 1**
- a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
 - c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.



- 2**
- d. Once in the System Menu, scroll through to find the About option.
 - e. Information about the Remote Software Version and the Link Controller Software Version will appear.



SERVICE & MAINTENANCE

Update i-Pilot Link Remote Software

1

- a. Be sure that the software in the Controller is updated before updating the remote. Please see the "i-Pilot Link App" section of this manual on how to update the Controller.

NOTICE: The software update for the remote will come from the Control Head. Make sure the remote stays within range of the Control Head during the update process.

- b. Once the Controller is up-to-date, press the Home button.
- c. Scroll through the Content Area using either your finger or the Screen Navigation button to find the System button.
- d. Select the System button using either your finger or by pressing the Ok button to open the System Menu.

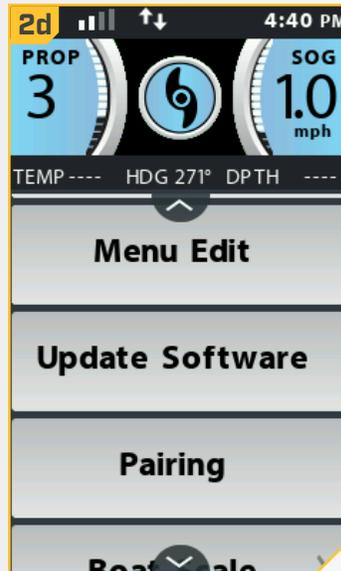


2

- e. Once in the System Menu, scroll through to find the Update Software option and select it. If the software is up-to-date, the display screen will read "No New Software Found."
- f. If the software is not up-to-date, the display screen will read "New Software Available" and will list the current version installed and the new version that can be installed.

NOTICE: After selecting the Update Software option on the display screen, take note of the software version that the remote will be updated to. Noting the software version will be helpful to confirm that the software successfully updated after the remote cycles through the update.

- g. Select the Update button. Once the software has been downloaded, the display screen will reboot and the remote will power up and return to the home screen. To confirm that the software successfully updated, follow the steps in the "To Open the About Screen" section of this manual.



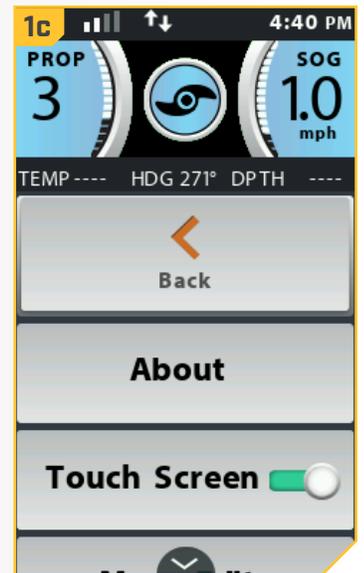
PAIRING A REMOTE WITH A CONTROLLER

PAIRING A REMOTE >

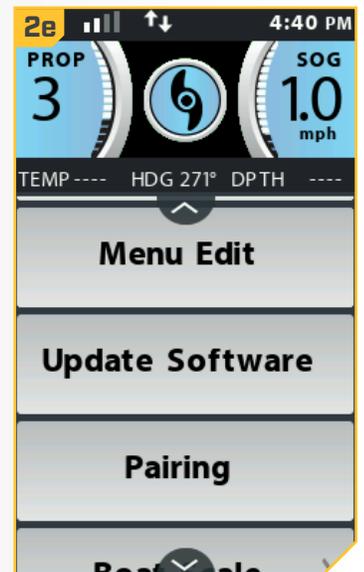
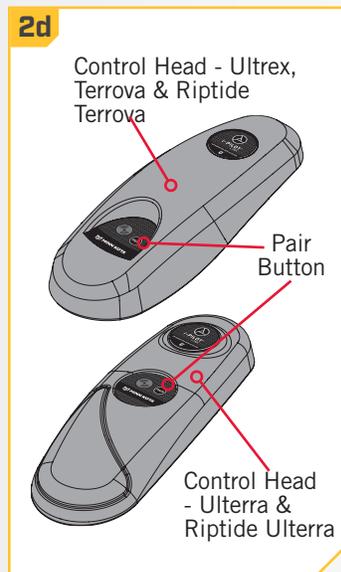
An i-Pilot Link controller may pair up to 3 remotes. These three remotes can be a combination of standard i-Pilot Link remotes and Micro remotes. Any additional remotes can be paired using the following steps. Once the maximum number of remotes have been paired, the controller will start replacing a new remote with the oldest paired remote in memory.

- 1
 - a. Press the Home  button.
 - b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the System  button.
 - c. Select the System  button using either your finger or by pressing the Ok  button to open the System Menu.

NOTICE: Make sure the remote stays within range of the Control Head during the pairing process.



- 2
 - d. Once in the System Menu, scroll through to find the Pairing  option. Before selecting the Pair Option, locate the Pair Button on the top of the Control Head. Press and hold the Pair button. A consistent tone will be emitted from the Control Head.
 - e. On the remote, select the Pairing  option. The Remote will scan for the motor. Once successfully paired, 3 longer beeps will be emitted from the Control Head and the remote will be paired.



SERVICE & MAINTENANCE

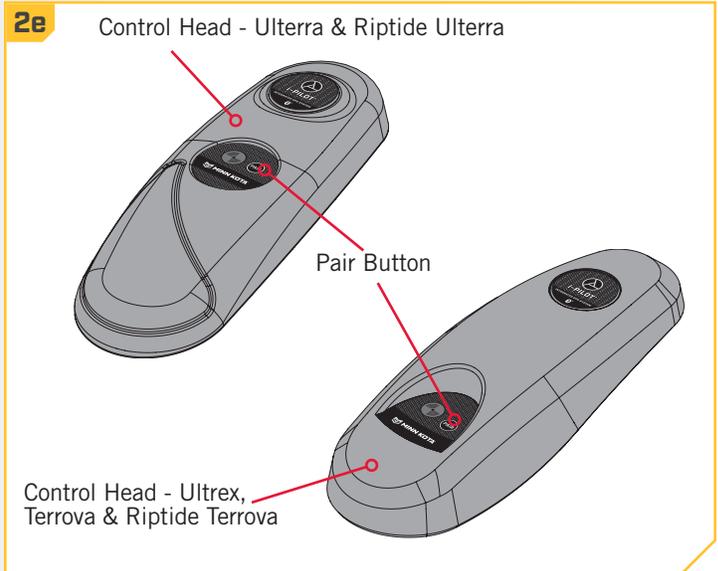
TALON CONTROL

PAIRING, CHECKING & UPDATING SOFTWARE >

> Pair i-Pilot Link to a Single Talon

The i-Pilot Link system is paired to the Talon using the i-Pilot Link Control Head and the Up ▲ and Down ▼ Buttons on the Talon Indicator Panel.

- 1
 - a. Retract the anchor on the Talon by pressing the Up ▲ button.
 - b. Once the Talon is fully retracted, press and hold the Up ▲ button and the Down ▼ button simultaneously on the Indicator Panel. The Depth Indication LEDs will begin to flash blue. Once the LEDs are flashing, release the buttons on the Indicator Panel.
 - c. The Talon will go into Pairing Mode for 20 seconds.
 - d. Locate the Pair Button on the top of the Control Head. Press and hold the Pair button. A consistent tone will be emitted from the Control Head.
 - e. The Control Head will scan for the Talon. Once successfully paired, 3 longer beeps will be emitted from the Control Head and the Talon. The LEDs on the Indicator Panel of the Talon will also go a sequence to confirm that the Control Head and Talon are paired.
 - f. If 20 seconds pass while in Pairing Mode and they do not successfully pair, a chirp from the Talon will sound signaling that the Pairing has timed out.
 - g. If the Pair is unsuccessful, repeat the process.



> Pairing i-Pilot Link with Two Talons

In order for the i-Pilot Link system to be paired to two Talons, the Talons first need to be paired together. To learn how to pair two Talons together, read the "Pairing Two Talons and Programming the Mounting Location" section of the Talon Manual. Once the Talons are paired together, follow the directions for "Pairing i-Pilot Link to a Single Talon". Only one Talon needs to be paired with the i-Pilot Link system.

Check Talon Software Version

Look up the version of software installed on the Talon. The i-Pilot Link System will display the software version for one or two Talons that are paired to the system.

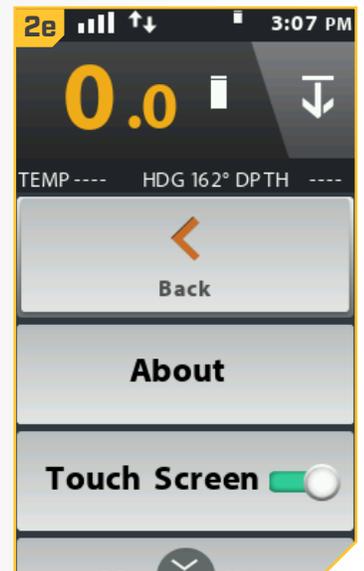
1

- a. Press the Home  button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation  button to find the Talon  button.
- c. Select the Talon  button using either your finger or by pressing the Ok  button to open the Talon Menu.



2

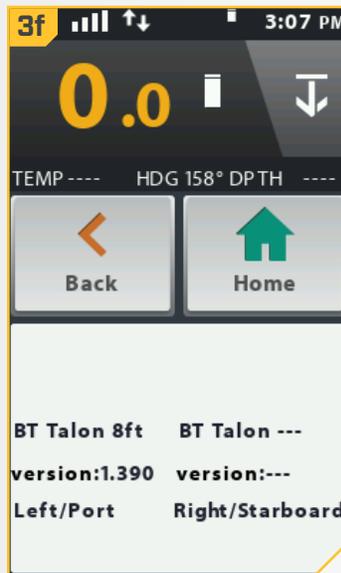
- d. Once in the Talon Menu, find the Talon System  button, and select it. This opens the Talon System Menu.
- e. Once in the Talon System Menu, scroll through to find the About  button.



SERVICE & MAINTENANCE

3

- d. The screen will give information about the Talon location and software version. If one Talon is installed, it will default it to the Left/Port position.



› To Forget Paired Talons

It may be necessary to forget any Talons that are paired to the i-Pilot Link system. To forget Talon(s) follow the steps below.

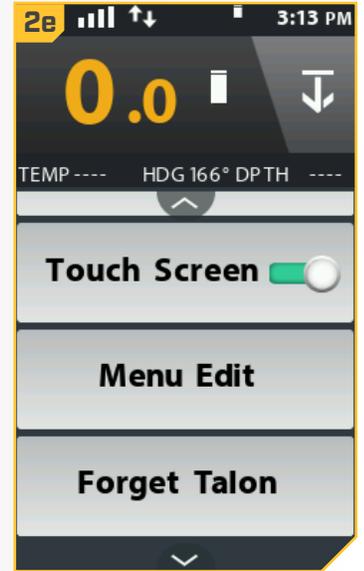
1

- a. Press the Home button.
- b. Scroll through the Content Area using either your finger or the Screen Navigation button to find the Talon button.
- c. Select the Talon button using either your finger or by pressing the Ok button to open the Talon Menu.



2

- d. Once in the Talon Mode menu, find the Talon System  button, and select it. This opens the Talon System Menu.
- e. Once in the Talon System Menu, scroll through to find the Forget Talon  button and select it.



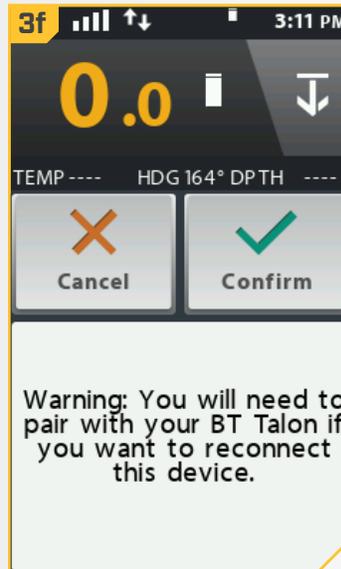
3

- g. A warning about forgetting the Talon will appear on the remote screen.

 **WARNING**

You will need to pair with your BT Talon if you want to reconnect this device.

- h. Carefully read the warning and select the Confirm  button. The i-Pilot Link System will then forget the Talon(s).



SERVICE & MAINTENANCE



GENERAL MAINTENANCE

- Connect the motor to a power source to power up the control head before use.
- Check the remote batteries each time the remote is powered up.
- Inspect the Remote and Control Head before each use to make sure that they are not obstructed. Having a clear view from the Control Head to the sky and an unobstructed sight line between the Remote and Control Head will allow for proper communication.
- Keep the Control Head and Remote away from metal objects including aluminum. Metal objects will cause interference.
- Power down the Remote and disconnect the motor from a power source after each use.
- Verify that the Prop on the Trolling motor is unobstructed when running. Obstructions can lead to interference and vibration of the compass in the Control Head.

TROUBLESHOOTING

1. The motor is making erratic steering corrections while in a mode of navigation.
 - Be sure to keep all ferrous metallic objects away from the i-Pilot controller as they will have an impact on the built-in compass. Ferrous materials include materials made of lead or nickel such as a boat anchor, etc.
2. When a button on the remote is pressed the motor doesn't always respond.
 - Check if the low battery indicator is on. If so, replace the remote's battery. Check for large obstructions between the remote and the motor.
3. When a button on the remote is pressed and nothing happens.
 - If the battery is dead, charge it. Open the remote battery door and verify the battery is connected to the remote.
 - If the display is on and the keypad is locked, unlock the keypad.
4. i-Pilot won't engage certain features like: Advanced AutoPilot, Record, Go To, Cruise Control or Spot-Lock.
 - Verify that the GPS Signal Strength icon on the LCD shows at least one bar. If there are no bars, i-Pilot will not allow these GPS-based features to be enabled.

NOTICE: For all other malfunctions, visit an Authorized Service Center. You can search for an Authorized Service Center in your area by visiting our Authorized Service page, found online at minnkotamotors.com, or by calling our customer service number at 800-227-6433.



FOR FURTHER TROUBLESHOOTING AND REPAIR

We offer several options to help you troubleshoot and/or repair your product. Please read through the options listed below.



Buy Parts Online

You can buy parts on-line directly from our website at minnkotamotors.com. Orders confirmed by 12 Noon Central Time, with Overnight Shipping selected, should ship the same business day if the parts are in stock. All other orders should ship within the next 3 business days, depending on the shipment method chosen, and if the parts are in stock.



Frequently Asked Questions

We have FAQs available on our website to help answer all of your Minn Kota questions. Visit minnkotamotors.com and click on “Frequently Asked Questions” to find an answer to your question.



Call Us (for U.S. and Canada)

Our consumer service representatives are available Monday – Friday between 7:00 a.m. – 4:30 p.m. CST at 800-227-6433. If you are calling to order parts, please have the 11-character serial number from your product, specific part numbers, and credit card information available. This will help expedite your call and allow us to provide you with the best consumer service possible. You can reference the parts list located in your manual to identify the specific part numbers.



Email Us

You can email our consumer service department with questions regarding your Minn Kota products. To email your question, visit minnkotamotors.com and click on “Support”.



Authorized Service Centers

Minn Kota has over 800 authorized service providers in the United States and Canada where you can purchase parts or get your products repaired. Please visit our Authorized Service Center page on our website to locate a service provider in your area.



Scan to visit Minn Kota service online.



COMPLIANCE STATEMENTS

ENVIRONMENTAL COMPLIANCE STATEMENT

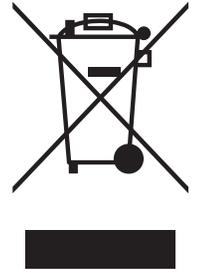
It is the intention of JOME to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

WEEE DIRECTIVE

EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive (WEEE)” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.

This symbol (WEEE wheelie bin) on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.



DISPOSAL

Minn Kota motors are not subject to the disposal regulations EAG-VO (electric devices directive) that implements the WEEE directive. Nevertheless never dispose of your Minn Kota motor in a garbage bin but at the proper place of collection of your local town council.

Never dispose of battery in a garbage bin. Comply with the disposal directions of the manufacturer or his representative and dispose of them at the proper place of collection of your local town council.

REGULATORY COMPLIANCE INFORMATION

› i-Pilot Link System: 2994064, 2994068, 2994166

CONTROLLER

- Contains IC: 216Q-1316
- Contains FCC ID: T7V1316



REMOTE

- Contains IC: 5123A-BGTBLE121LR
- Contains FCC ID: QQQBLE121LR





FCC COMPLIANCE

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 that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant 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 receiver.
- Connect the equipment into 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.

INDUSTRY CANADA COMPLIANCE

This product meets the applicable Industry Canada technical specifications. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

RADIO OPERATION

CONTROLLER

- Frequency band: 2402 MHz to 2480 MHz
- Maximum RF power transmitted: +10 dBm

REMOTE

- Frequency band: 2402 MHz to 2480 MHz
- Maximum RF power transmitted: +10 dBm

TRADEMARKS

Minn Kota®, Riptide®, i-Pilot®, AutoPilot™, CoPilot™, Link™, PowerDrive™, Terrova™, Ulterra™, Ultrex™ are trademarked by or registered trademarks of Johnson Outdoors Marine Electronics, Inc.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Johnson Outdoors Inc is under license. Other trademarks and trade names are those of their respective owners.

CE MASTER USER MANUAL [FOR CE CERTIFIED MODELS]



PARTS DIAGRAM & PARTS LIST

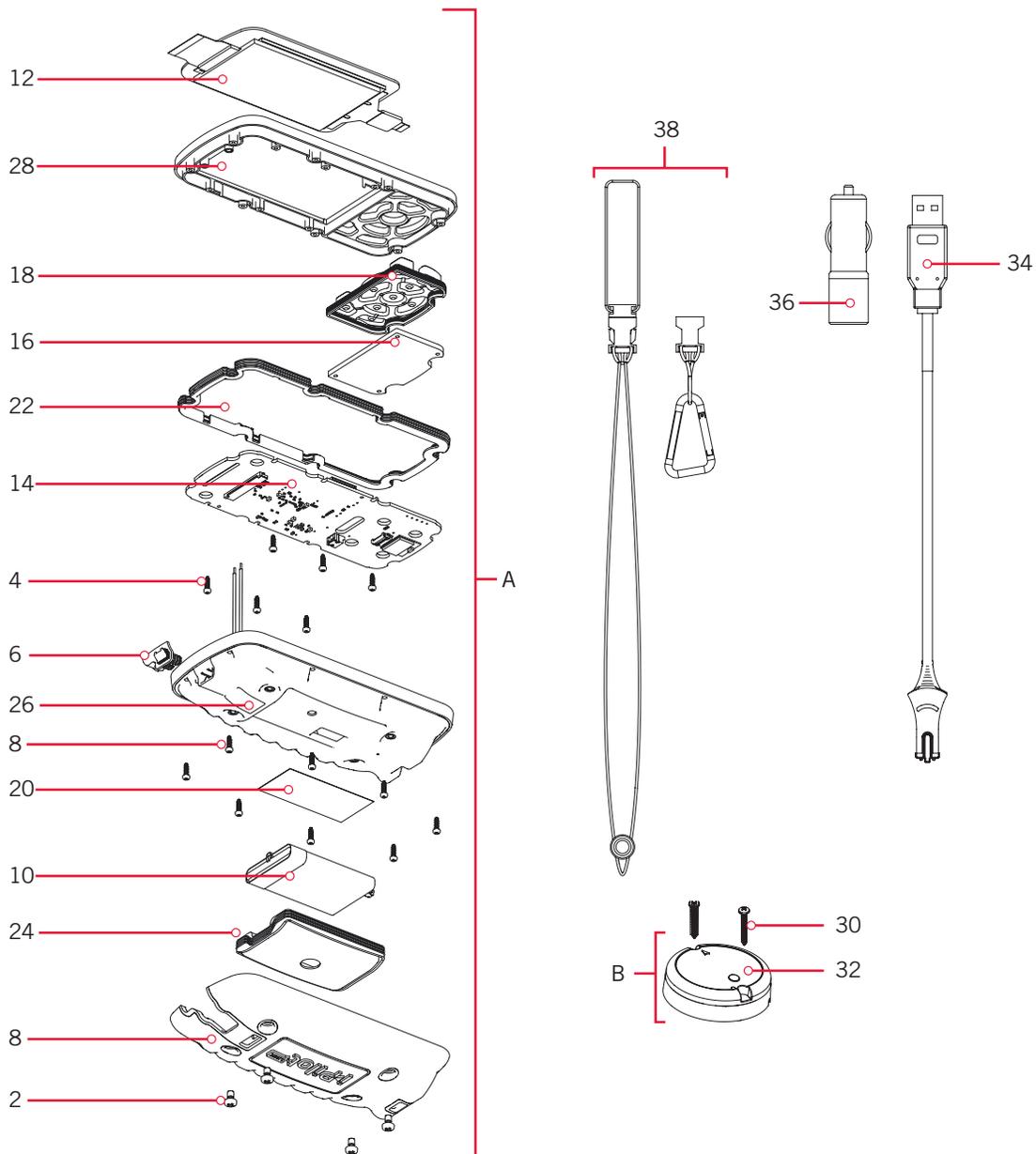
i-PILOT LINK

TERROVA, RIPTIDE TERROVA, ULTERRA, RIPTIDE ULTERRA & ULTREX

The parts diagram and parts list provides Minn Kota® WEEE compliance disassembly instructions. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased. Tools required, but not limited to: flat head screwdriver, Phillips screwdriver, socket set, pliers, wire cutters.

i-PILOT LINK REMOTE & HEADING SENSOR >

> Remote & Heading Sensor Parts Diagram



Remote & Heading Sensor Parts List

Assembly	Part #	Description	Quantity
A	2994076	REMOTE ASY, LINK TOUCHSCRN	1
B	2996400	HEADING SENSOR ASSEMBLY	1
Item	Part #	Description	Quantity
2	2383442	SCREW-3MM X .5 PPH MACHINE	4
4	2383471	SCREW-M2 X 7MM SS DELTA PT	14
6	2390200	DUST CAP, LINK TOUCH REMOTE	1
8	2390210	COVER, BATTERY, LINK TOUCH	1
10	2390710	BATTERY, LIPO PACK w/MOLEX	1
12	✘	DISPLAY-GLASS/PCAP/TFT ASM	1
14	✘	NRI-PCB ASY, iPILOT 3.0 REMOTE	1
16	✘	PCBA, BUTTON BRD, LINK TOUCH	1
18	✘	KEYPAD, LINK TOUCHSCREEN REMOTE	1
20	✘	DECAL, LINK BT REMOTE REG	1
22	✘	GASKET, CASE, LNK TOUCHSCREEN	1
24	2396910	GASKET, BATTERY, LINK TOUCH	1
26	✘	CASE, BACK ASY, LINK TOUCHSCRN	1
28	✘	BEZEL ASSY, LINK TOUCHSCREEN	1
30	2393400	SCREW-#8-18X1-1/2 PPH TY AB SS *STAINLESS STEEL*	2
32	✘	HEADING SENSOR	1
34	2373241	CABLE, USB REMOTE CHARGER LINK	1
36	2375901	ADAPTER, USB DC POWER LINK	1
38	2390800	LANYARD, REMOTE W/ CARABEENER	1

✘ This part is included in an assembly and cannot be ordered individually.

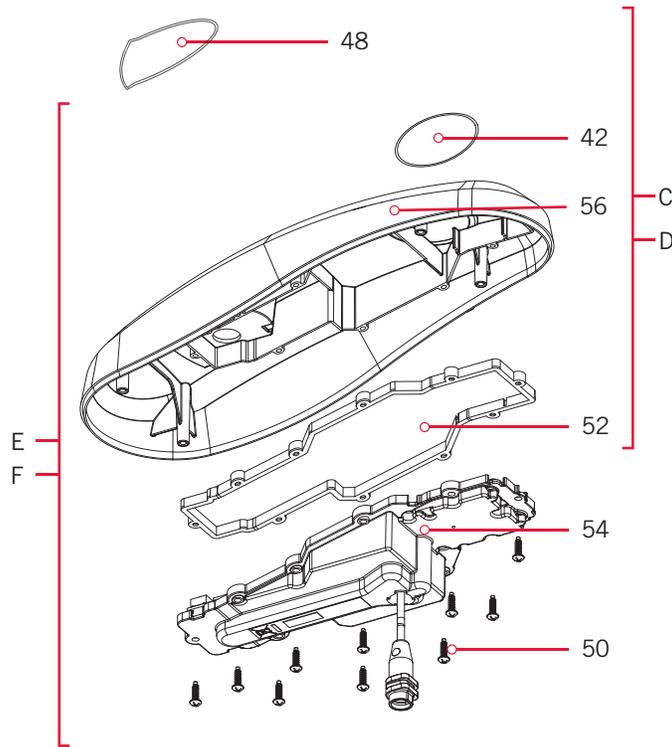
PARTS DIAGRAM & PARTS LIST



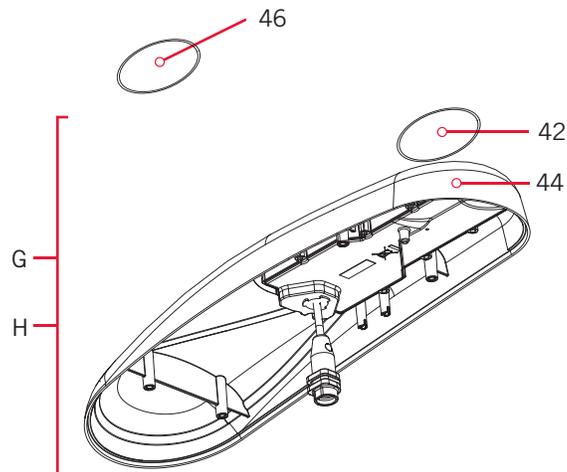
i-PILOT LINK CONTROL HEAD >

> Control Head Parts Diagram

Ultrex, Terrova & Riptide Terrova



Ulterra & Riptide Ulterra



» Control Head Parts List

Assembly	Part #	Description	Quantity
C	2770234	COVER KIT, IPLT 3.0 TRV,ULTREX *FRESHWATER* *TERROVA* *ULTREX*	1
D	2770236	COVER KIT, IPLT 3.0 RT TERROVA *SALTWATER* *RIPTIDE TERROVA*	1
E	2774177	MOTOR KIT, IPLT 3.0 TRV,ULTREX *FRESHWATER* *TERROVA* *ULTREX* *ELECTRONICS & REMOTE*	1
F	2774179	MOTOR KIT, IPLT 3.0 RT TERROVA *SALTWATER* *RIPTIDE TERROVA* *ELECTRONICS & REMOTE*	1
G	2774117	MOTOR KIT, IPILOT 3.0 ULTERRA *FRESHWATER* *ULTERRA* *ELECTRONICS & REMOTE*	1
H	2774118	MOTOR KIT, IP 3.0 RT ULTERRA *SALTWATER* *RIPTIDE ULTERRA* *ELECTRONICS & REMOTE*	1
Item	Part #	Description	Quantity
42	2395547	DECAL, DOMED iPILOT LINK FW *FRESHWATER* *ULTERRA* *I-PILOT* *ULTREX* *TERROVA*	1
	2395548	DECAL, DOMED iPILOT LINK SW *SALTWATER* *RIPTIDE ULTERRA* *I-PILOT* *RIPTIDE TERROVA*	1
44	✘	CTRL HEAD ASY, IPLT 3.0 ULT *FRESHWATER* *ULTERRA*	1
	✘	CTRL HEAD ASY, IP3.0 RT ULT *SALTWATER* *RIPTIDE ULTERRA*	1
46	2205534	DECAL-GENERIC, PUSH BTN TOP FW *FRESHWATER* *ULTERRA* *PUSH BUTTON*	1
	2205535	DECAL-GENERIC, PUSH BTN TOP SW *SALTWATER* *RIPTIDE ULTERRA* *PUSH BUTTON*	1
48	2315730	DECAL-GENERIC, PUSH BTN TOP FW *TERROVA* *ULTREX* *FRESHWATER*	1
	2315731	DECAL-GENERIC, PUSH BTN TOP SW *RIPTIDE TERROVA* *SALTWATER*	1
50	2383473	SCREW-#6 X .5 BRASS HI-LO *FRESHWATER* *SALTWATER* *RIPTIDE TERROVA* *ULTREX* *TERROVA*	10
52	2376940	GASKET,COMP-GPS MODULE *FRESHWATER* *SALTWATER* *RIPTIDE TERROVA* *ULTREX* *TERROVA*	1
54	✘	CTRL ASY, IPLT 3.0 TER/UTX *FRESHWATER* *ULTREX* *TERROVA* *SALTWATER* *RIPTIDE TERROVA*	1
	✘	CTRL HEAD ASY, IPLT 3.0 ULT *FRESHWATER* *ULTERRA*	1
56	2290212	COVER,CTRL BOX IP, UTX, T2, V3 *FRESHWATER* *ULTREX* *TERROVA*	1
	2290213	COVER,CTRL BOX IP, ST/T2,SP/V3 *RIPTIDE TERROVA* *SALTWATER*	1

✘ This part is included in an assembly and cannot be ordered individually.

RECOMMENDED ACCESSORIES

ON-BOARD & PORTABLE BATTERY CHARGERS

Stop buying new batteries and start taking care of the ones you've got. Many chargers can actually damage your battery over time – creating shorter run times and shorter overall life. Digitally controlled Minn Kota chargers are designed to provide the fastest charge that protect and extend battery life.



MK212PC



MK210D



MK110PD

TALON SHALLOW WATER ANCHOR

Introducing the all-new, sleek redesigned Talon. Talon is the only shallow water anchor with up to 15' of anchoring depth, multiple anchoring modes, and control from the bow, transom, console, remote or mobile device.



BUILT-IN WORK LIGHT

Lets you tie lines and work from the transom any time of day — or night. Includes both white and blue LED lights with three brightness settings.



BLUETOOTH® CONNECTIVITY

Lets you control Talon from your mobile device and easily update it. Also opens up communication to other control options.



UP TO 15' DEEP

Control more water and catch more fish with the first 15' shallow water anchor.



MORE CONTROL OPTIONS

- Control Panel
- Wireless Remote
- Mobile App
- Wireless Foot Switch
- Humminbird® Connectivity
- i-Pilot® & i-Pilot Link™ Remote



MINN KOTA ACCESSORIES

We offer a wide variety of trolling motor accessories, including:

- 60-Amp Circuit Breaker
- Mounting Brackets
- Stabilizer Kits
- Extension Handles
- Battery Connectors
- Battery Boxes
- Quick Connect Plugs

