FORCE™ TROLLING MOTOR

Owner’s Manual
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**Getting Started**

**WARNING**
Do not run the motor when the propeller is out of the water. Contact with the rotating propeller may result in severe injury.

Do not use the motor in areas where you or other people in the water may come into contact with the rotating propeller.

Always disconnect the motor from the battery before cleaning or servicing the propeller to avoid injury.

**CAUTION**
When stowing or deploying the motor, be aware of the risk of entrapment or pinching from moving parts, which can result in injury.

When stowing or deploying the motor, be aware of slick surfaces around the motor. Slipping when stowing or deploying the motor may result in injury.

**NOTICE**
After using the motor in salt water or brackish water, you must rinse off the entire motor with fresh water, and apply a water-based silicone spray using a soft cloth. You should avoid spraying jets of water at the cap on the top of the shaft when rinsing the motor.

### Deploying the Motor from the Stowed Position

1. Disengage the safety strap.
2. Pull the pull-cable back until it stops to release the latch, and continue to hold it tight.
3. Lift the motor up and forward using the pull-cable, then lower it slowly into the deployed position.
4. If necessary, push down on the mount arm to lock the motor in the deployed position.

### Adjusting the Depth of the Trolling Motor

1. Move the motor so that it stops halfway between the stowed and deployed positions.
2. Loosen the collar at the base of the steering system housing.

**NOTE:** You should be prepared for the motor to slide down when you loosen the collar.

3. Raise or lower the depth of the trolling motor.

**NOTICE**
Do not set the motor depth so low that it compresses the coiled cable. When the coiled cable is compressed, it may be damaged by friction as the motor steers.

4. Tighten the collar at the base of the steering system housing.
5. Select an action:
   - If you are deploying the trolling motor, move the motor to the fully deployed position to check the depth.
   - If you are stowing the trolling motor, move the motor to the stowed position to check the depth.
6. Repeat this procedure if necessary to set the correct depth for the deployed or stowed position.

### Stowing the Motor from the Deployed Position

**NOTICE**
You must allow the motor to stop rotating completely before moving it to the stowed position. If the motor is rotating when you move it to the stowed position, it may damage the steering system.

1. Pull the pull-cable up until it stops to release the latch, and continue to hold it tight.
2. Lift the pull-cable up and backward to lift and lower the motor slowly into the stowed position.

**NOTE:** You may need to adjust the depth of the trolling motor so it rests correctly on the mount base in the stowed position (*Adjusting the Depth of the Trolling Motor, page 1*). If it is adjusted too shallow, it may press on the gas spring. If it is adjusted too deep, it may hang off the end of the mount base.

3. If necessary, push down on the steering system housing to lock it in the stowed position.
4. Secure the safety strap (*Securing the Safety Strap, page 1*).

### Securing the Safety Strap

The safety strap holds the motor securely to the base in the stowed position and prevents unintended deployment.

1. With the motor in the stowed position, lift the long end of the strap ① over the top of the motor.
2. Feed the end of the strap through the buckle ② on the other end of the strap.
3. Pull the strap through the buckle until it holds the motor securely to the mount.
4. Pull the strap away from the buckle, and push down to fasten it to the other side of the strap.

### Trolling Motor Display Panel
The display panel on the trolling motor mount shows important information at a glance.

**NOTE:** The backlight on the display panel reacts to the ambient light, and dims automatically at night.
Speed Shows the motor speed level *(Adjusting the Speed of the Motor, page 5).*

Trolling motor battery status Green: the motor battery voltage is good. Yellow: the motor battery voltage is low. Red: the motor battery voltage is critically low.

GPS signal status Green: the motor has a good GPS signal. Yellow: the motor has a poor GPS signal. Red: the motor does not have a GPS signal.

Motor status Shows the status of the trolling motor *(Status Indicator, page 2).*

Power Hold to turn the motor off.

NOTE: By default, the trolling motor turns on automatically when it receives power. It is not necessary to push this button to turn it on. This can be changed in the settings *(Trolling Motor Settings, page 8).* The trolling motor turns off automatically when it is in the stowed position for two hours. When the propeller is turning, press to stop the propeller. Press three times to enter pairing mode.

Propeller status Illuminates when the propeller is on *(Turning the Propeller On and Off, page 5).*

Heading hold status Illuminates when heading hold is on *(Maintaining Your Heading, page 6).*

Anchor lock status Illuminates when anchor lock is on *(Holding Your Position, page 6).*

Status Indicator The LED indicates the motor status.

<table>
<thead>
<tr>
<th>Color</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Normal operation</td>
</tr>
<tr>
<td>Red</td>
<td>Solid: system booting</td>
</tr>
<tr>
<td></td>
<td>Blinks: system error</td>
</tr>
<tr>
<td>Blue</td>
<td>Pairing mode</td>
</tr>
<tr>
<td>Yellow</td>
<td>Recovery mode (for software updates and recovery procedures)</td>
</tr>
</tbody>
</table>

Calibrating the Trolling Motor
You must calibrate the compass in the trolling motor before you can use the autopilot features. For the best results, you should calibrate the motor on a day with little or no wind on calm water. You can repeat the calibration process if the autopilot features are not performing as expected.

1. Drive the boat to an open area of calm water and stop moving.

   The boat must be stationary to begin the calibration process.

2. If necessary, deploy the trolling motor *(Deploying the Motor from the Stowed Position, page 1).*

3. On the remote control, select Ξ > Settings > Trolling Motor > Calibrate > Compass.

4. Using the foot pedal or outboard motor to steer, follow the on-screen instructions.

**Setting the Bow Offset**
Based on the installation angle, the trolling motor may not align with the center line of your boat. For the best results, you should set the bow offset.

1. Using the remote control, adjust the angle of the trolling motor so it aligns with the center line of your boat pointing straight forward.

2. On the remote control, select Ξ > Settings > Trolling Motor > Calibrate > Bow Offset.

3. Repeat this procedure if necessary.

**Connecting to a Chartplotter**
Your compatible Garmin chartplotter must have the latest software version installed before you can connect the trolling motor.

You can connect the trolling motor wirelessly to a compatible Garmin chartplotter on your boat. After you connect to a compatible chartplotter, you can control the trolling motor from the chartplotter in addition to the remote control and foot pedal.

1. Turn on the chartplotter and the trolling motor.

2. Make sure that the chartplotter is hosting a wireless network.
   
   NOTE: If you have multiple chartplotters installed, only one is the wireless network host. Consult your chartplotter's owner's manual for more information.


4. On the trolling motor display panel, press Ω three times to enter pairing mode.

   On the trolling motor display panel illuminates blue as it searches for a connection to the chartplotter, and changes to green when the connection is successful.

   A confirmation message appears on the chartplotter when the connection is successful.

5. After the chartplotter and trolling motor connect successfully, enable the trolling motor bar on the chartplotter to control the motor.

   See the latest version of your chartplotter's owner's manual for complete operation instructions.
Remote Control

Installing Batteries
The remote control operates using two AA batteries (not included). Use lithium batteries for best results.

1 Turn the D-ring counter-clockwise, and pull up to remove the cover.

2 Insert two AA batteries, observing polarity.

3 Replace the battery cover, and turn the D-ring clockwise.

Attaching a Lanyard
1 Starting from the back of the remote control, insert the loop of the lanyard ① through the slot.

2 Thread the other end of the lanyard ② through the loop, and pull it tight.

3 If necessary, place the lanyard around your neck or wrist to tether it during use.

Remote Control Keys

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Hold to turn the remote control on and off.</td>
</tr>
<tr>
<td>②</td>
<td>Press to turn on and set the cruise control at the current speed over ground (SOG) ([Maintaining Your Speed, page 5]). Press to disable the cruise control and return to manual speed control.</td>
</tr>
<tr>
<td>③</td>
<td>Press for manual control ([Steering the Trolling Motor Manually, page 6]). Hold to steer using gestures ([Using Gesture Controls to Steer, page 6]).</td>
</tr>
<tr>
<td>④</td>
<td>Press to turn the propeller on and off ([Turning the Propeller On and Off, page 5]).</td>
</tr>
<tr>
<td>⑤</td>
<td>Press to navigate the menu ([Navigating the Menu, page 4]). When in the menu, press ⑤ to select a menu item, and press ⑤ to go back. When in anchor lock, press to jog the anchor lock position forward, backward, left, or right in 1.5 m (5 ft.) increments. When in heading hold or manual control, press ⑤ and ⑤ for single-degree step turns, or hold for steering in five-degree increments. Press ⑤ and ⑤ for incremental speed changes, or hold for continuous speed changes.</td>
</tr>
<tr>
<td>⑥</td>
<td>Press to turn on heading hold (set and maintain the current heading) ([Maintaining Your Heading, page 6]). Press to turn off heading hold, stop the propeller, and resume manual control. Hold to set the heading hold by pointing the remote ([Using Gesture Controls to Adjust the Heading Hold, page 6]).</td>
</tr>
<tr>
<td>⑦</td>
<td>Press to turn on anchor lock. Anchor lock uses the trolling motor to hold your position ([Holding Your Position, page 6]). When in anchor lock, press to turn off anchor lock and return to the previous steering mode. Hold to jog the anchor lock position by pointing the remote ([Using Gesture Controls to Adjust Your Held Position, page 6]).</td>
</tr>
<tr>
<td>⑧</td>
<td>Press to open the menu. Press to exit the menu.</td>
</tr>
<tr>
<td>⑨</td>
<td>Press to mark a waypoint.</td>
</tr>
<tr>
<td>1 through 4</td>
<td>Press to open the shortcut for the Garmin chartplotter assigned to the key. ①</td>
</tr>
</tbody>
</table>

Remote Control Screen

① Shows the operational status of the trolling motor. For example, when in manual control, Manual is shown, and when the heading hold is on, Heading Hold is shown, along with the heading-hold set point in degrees.

② Shows the trolling motor battery status. Green: the motor battery voltage is good. Yellow: the motor battery voltage is low. Red: the motor battery voltage is critically low. TIP: You can view the remote control battery level by pressing ⑤.

③ Requires a connection to a compatible Garmin chartplotter. See your chartplotter owner’s manual for instructions.
Navigating the Menu
You can use the menu and arrow keys to navigate the menu on the remote control.

- To open the menu, press \[\text{Selección} \]
- To move between different menu items, press \[\text{Selección} \] and \[\text{Selección} \].
- To select a menu item, press \[\text{Selección} \].
- To move back to a previous menu item, press \[\text{Selección} \].
- To exit the menu, press \[\text{Selección} \], or press \[\text{Selección} \] repeatedly until you reach the main screen.

Calibrating the Remote Control

**NOTICE**
Calibrate the electronic compass outdoors. To improve heading accuracy, do not stand near objects that influence magnetic fields, such as vehicles, buildings, and overhead power lines.

You must calibrate the compass in the remote control before you can control the motor using gestures. If the gesture controls are not working properly after calibration, you can repeat this process as often as needed.

1. Select \[\text{Selección} \] > Settings > Remote Control > Calibrate.
2. Select Start, and follow the on-screen instructions.

Pairing the Remote Control
The remote control is paired with the trolling motor at the factory, but you may need to pair them again if the connection is broken.

1. Turn on the trolling motor.
2. On the trolling motor display panel, press \[\text{Selección} \] three times to enter pairing mode.
   \[\text{Selección} \] on the trolling motor display panel illuminates blue as it searches for a connection.
3. Bring the remote control within 1 m (3 ft.) of the display panel on the trolling motor.
4. Turn on the remote control.
5. On the remote control, select \[\text{Selección} \] > Settings > Remote Control > Pair > Start.
   \[\text{Selección} \] on the trolling motor display panel illuminates green when the connection is successful.

Foot Pedal
You can use the foot pedal to operate the trolling motor.

<table>
<thead>
<tr>
<th>Function</th>
<th>Action Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Momentary propeller control</td>
<td>Hold to turn on the propeller at the set speed. Release to turn off the propeller.</td>
</tr>
<tr>
<td>Speed wheel</td>
<td>Rotate the wheel away from you to increase the propeller speed or cruise control speed. Rotate the wheel toward you to decrease the propeller speed or cruise control speed. <strong>NOTE:</strong> The speed wheel is inactive when anchor lock is on.</td>
</tr>
<tr>
<td>Steering pedal</td>
<td>Push the pedal with your toes to turn the motor clockwise. Push the pedal with your heel to turn the motor counterclockwise. <strong>NOTE:</strong> When anchor lock or heading hold is on, or you are following a route, press the pedal to resume manual control at the previous propeller speed.</td>
</tr>
<tr>
<td>Status indicator</td>
<td>Shows the status of the foot pedal (Status Indicator, page 5).</td>
</tr>
<tr>
<td>Continuous propeller control</td>
<td>Press to turn the propeller on and off (Turning the Propeller On and Off, page 5).</td>
</tr>
<tr>
<td>Heading hold</td>
<td>Press to set and maintain the current heading (Maintaining Your Heading, page 6). Press to turn off heading hold, stop the propeller, and resume manual control.</td>
</tr>
<tr>
<td>Anchor lock</td>
<td>Press to turn on anchor lock. Anchor lock uses the trolling motor to hold your position (Holding Your Position, page 6). Press to turn off anchor lock and return to the previous steering mode.</td>
</tr>
</tbody>
</table>

Installing Batteries
The foot pedal can operate using two AA alkaline, NiMH, or lithium batteries (not included). Use lithium batteries for best results.

1. Lift up the front of the foot pedal as far as possible.
2. Pinch the sides of the battery cover \[\text{Selección} \], and pull up to remove it.

3. Insert two AA batteries, observing polarity.
4 Place the battery cover over the batteries, and push down until both sides snap into place.

Pairing the Foot Pedal
The foot pedal is paired with the trolling motor at the factory, but you may need to pair them again if the connection is broken.
1 Turn on the trolling motor.
2 On the trolling motor display panel, press \( \text{Pair} \) three times to enter pairing mode.
\( \text{Pair} \) on the trolling motor display panel illuminates blue as it searches for a connection.
3 Bring the foot pedal within 1 m (3 ft.) of the display panel on the trolling motor.
4 Connect the foot pedal to power using the power cable, or insert batteries to turn it on.
5 Within 30 seconds of turning on the foot pedal, hold \( \text{Pair} \) until the status LED on the foot pedal illuminates blue.
6 Release \( \text{Pair} \).
The status LED on the foot pedal illuminates blue as it searches for a connection, then turns off when it pairs successfully with the trolling motor.
\( \text{Pair} \) on the trolling motor display panel changes to green when the connection is successful.

Status Indicator
The LED on the foot pedal indicates the foot pedal status.

<table>
<thead>
<tr>
<th>Illuminates green</th>
<th>The foot pedal is powering on.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illuminates blue</td>
<td>The foot pedal is pairing. The LED turns off when it connects to the trolling motor or the pairing process times out without connecting.</td>
</tr>
<tr>
<td>Flashes green when pushing a button</td>
<td>The foot pedal is connected to the trolling motor and sending a command for the button being pushed.</td>
</tr>
<tr>
<td>Flashes red when pushing a button</td>
<td>The foot pedal is not connected to the trolling motor.</td>
</tr>
<tr>
<td>Off</td>
<td>The LED turns off when the pedal is connected to the trolling motor and not sending commands. This prolongs battery life.</td>
</tr>
</tbody>
</table>

Operation
You can use the remote control, the foot pedal, a compatible Garmin chartplotter, or a combination of these devices to operate the trolling motor.
In general, most of the instructions provided for the remote control also apply to a connected chartplotter. For specific chartplotter instructions, see the latest owner's manual for your chartplotter.

NOTE: Some features available when using the remote control and chartplotter are not available when using the foot pedal only.

Turning the Propeller On and Off

**WARNING**
Do not use the motor in areas where you or other people in the water may come into contact with the rotating propeller.
1 If necessary, deploy the trolling motor (Deploying the Motor from the Stowed Position, page 1).
   **NOTE:** The propeller cannot turn on when the trolling motor is in the stowed position.
2 On the remote control or foot pedal, press \( \text{Propeller On/Off} \) to turn on the propeller.
3 Press \( \text{Propeller On/Off} \) to turn off the propeller.

Adjusting the Speed of the Motor
You can adjust the speed of the trolling motor using the remote control or the foot pedal.
1 If necessary, press \( \text{Cruise Control} \) on the remote control, or steer with the foot pedal, to enter manual mode.
2 Select an option:
   - On the remote control, press \( \text{increase} \) and \( \text{decrease} \) to increase and decrease the speed of the motor.
   - On the foot pedal, rotate the speed wheel away from you and toward you to increase and decrease the speed of the motor.
The PROP field on the remote control and the bars on the display panel indicate the propeller speed (Trolling Motor Display Panel, page 1).
3 If necessary, turn on the propeller (Turning the Propeller On and Off, page 5).
The propeller speed you selected is retained if the propeller is turned off or if you start another function of the motor such as cruise control or anchor lock.

Toggling Full Speed
1 On the remote control, press \( \text{Full Speed} \).
The trolling motor propeller speed quickly increases to full speed.
2 Press \( \text{Full Speed} \) to return to the previous propeller speed.
   **TIP:** When at full speed, you can press \( \text{decrease} \) on the remote control to slowly decrease the propeller speed.

Maintaining Your Speed
Before you can use the cruise control feature, you must calibrate the trolling motor (Calibrating the Trolling Motor, page 2).
The cruise control feature is an autopilot function that sets and maintains a specific speed over ground, adjusting for changes in current and wind automatically.

**NOTE:** You can enable the cruise control feature from the remote control only, but can control the speed and direction from both the remote control and foot pedal.
1 On the remote control, press \( \text{Cruise Control} \).
   Cruise control is enabled at the present speed.
2 Using the remote control or foot pedal, adjust the speed as needed.
3 Using the remote control or foot pedal, adjust the heading as needed.
   **TIP:** You can use cruise control to set the speed while using the heading hold feature (Maintaining Your Heading, page 6) or following a route (Navigating a Route, page 7).
To disable cruise control and turn off the propeller, you must press \( \text{Cruise Control} \).

Operating the Propeller When Partially Deployed
You can operate the trolling motor propeller with the motor only partially deployed for specific situations, such as when you pass over weeds or submerged obstacles.
1 With the trolling motor in the deployed position, pull the pull-cable up until it stops to release the latch, and continue to hold it tight.
2 Lift the pull-cable up and backward to lift the motor slowly until it is in position to pass over the weeds or obstacle.
The propeller stops rotating, and the motor turns to the side.
3 Use the remote control or foot pedal to turn on the propeller, and steer the motor as needed.
   **NOTE:** If you raise the motor beyond the halfway point, the propeller automatically stops as a safety measure, but the motor does not turn to the side.
When you are past the obstacle, slowly lower the motor to the deployed position, or raise the motor to the stowed position.

After operating the motor when partially deployed, you may need to turn the motor to one side manually before raising it to the stowed position so it rests properly on the mount rails.

**Steering**

**Steering the Trolling Motor Manually**

Manual mode is the default operational mode of the trolling motor. In manual mode, you can adjust the direction and speed of the trolling motor as needed.

**NOTE:** The trolling motor is in manual mode by default when you turn it on.

1. If necessary, on the remote control, select \( \psi \).
2. Select an action:
   - Using the remote control, press \( \langle \) and \( \rangle \) to steer.
     **NOTE:** You can also use gesture controls to steer the boat manually using the remote control (Using Gesture Controls to Steer, page 6).
   - Using the foot pedal, push the pedal with your toes and heel to steer.

**Maintaining Your Heading**

Before you can use the heading hold feature, you must calibrate the trolling motor (Calibrating the Trolling Motor, page 2).

The heading hold feature is an autopilot function that sets and maintains the current heading of the boat. You can set and maintain your position using the trolling motor, acting as if you deployed a physical anchor.

**NOTE:** You can adjust the direction of the heading hold by pressing \( \langle \) and \( \rangle \), or by using gesture controls (Using Gesture Controls to Adjust the Heading Hold, page 6).

1. Steer the boat in the direction you want to go.
2. On the remote control or foot pedal, select \( \uparrow \).

To disable heading hold and return to manual mode, you must select \( \downarrow \), \( \psi \), or step on the foot pedal.

**Changing the Heading Hold Behavior**

You can change the how heading-hold feature maintains the heading of your boat when it is affected by the wind or the current.

1. On the remote control, select \( \equiv \) > Settings > Trolling Motor > Heading Hold.
2. Select an option:
   - To keep the boat pointing in the same direction regardless of drift, select Vessel Align.
   - To keep the boat pointing in the same direction while accounting for drift, select Go To.

**Holding Your Position**

Before you can use the anchor lock feature, you must calibrate the trolling motor (Calibrating the Trolling Motor, page 2).

The anchor lock feature is an autopilot function that uses GPS to set and maintain your position using the trolling motor, acting as if you deployed a physical anchor.

1. If necessary, drive the boat to a location you want to set the anchor lock.
2. On the remote control or foot pedal, select \( \downarrow \).
   **NOTE:** You can adjust the anchor lock position 1.5 m (5 ft.) by pressing an arrow key on the remote control, or by using gesture controls (Using Gesture Controls to Adjust Your Held Position, page 6).

To disable anchor lock, you can press \( \downarrow \) again, or steer with the foot pedal.

**Gesture Controls**

You can point or move the remote control to interact with the trolling motor. You must calibrate the compass in the trolling motor (Calibrating the Trolling Motor, page 2), and the compass in the remote control (Calibrating the Remote Control, page 4) before you can use gesture controls.

**Using Gesture Controls to Steer**

You can steer the motor by pointing the remote control.

1. If necessary, turn on the propeller (Turning the Propeller On and Off, page 5).
2. Hold \( \psi \).
3. While holding \( \psi \), point the remote control to the left or right to steer port or starboard.
4. Release \( \psi \) to stop steering.

**Using Gesture Controls to Adjust the Heading Hold**

You can move the remote control to adjust your heading hold (Maintaining Your Heading, page 6).

1. If necessary, turn on the propeller (Turning the Propeller On and Off, page 5).
2. Hold \( \uparrow \).
3. Point the remote control toward where you want to adjust the heading.
4. Release \( \uparrow \) to set the heading direction.

**Using Gesture Controls to Adjust Your Held Position**

You can move the remote control to adjust your position when using the anchor lock feature (Holding Your Position, page 6).

1. If necessary, turn on the anchor lock feature.
2. Hold \( \downarrow \).
3. Point the remote control in the direction you want to move your position.
   Your position jogs 1.5 m (5 ft.) in the direction you point.
4. Release \( \downarrow \).
5. Repeat this procedure until the you are in the position you want.
Waypoints
Waypoints are used to mark locations so you can return to them later.

When you connect the trolling motor to a chartplotter, the waypoints stored on the chartplotter are synchronized with the waypoints stored on the trolling motor. Adding, deleting, or editing waypoints on one device automatically changes the waypoints stored on the other device. You can save up to 5000 waypoints.

Creating a Waypoint
You can save your current location as a waypoint.
1 If necessary, drive to a location you want to save as a waypoint.
2 On the remote control, press .

Navigating to a Waypoint
1 On the remote control, select > Waypoints.
   A list of the ten closest waypoints is shown.
2 Select a waypoint.
3 Select .
4 Turn on the propeller (Turning the Propeller On and Off, page 5).
The trolling motor drives to the waypoint location (Navigating, page 8).

Viewing Waypoint Details
1 On the remote control, select > Waypoints.
   A list of the ten closest waypoints is shown.
2 Select a waypoint.
3 Select .

Editing a Waypoint Name
1 On the remote control, select > Waypoints.
   A list of the ten closest waypoints is shown.
2 Select a waypoint.
3 Select .
4 Enter a new name for the waypoint.

Deleting a Waypoint
1 On the remote control, select > Waypoints.
   A list of the ten closest waypoints is shown.
2 Select a waypoint.
3 Select Delete.

Routes
A route is a sequence of locations that leads you to your final destination.

When you connect the trolling motor to a chartplotter, the routes stored on the chartplotter are synchronized with the routes stored on the trolling motor. Deleting or editing routes on one device automatically changes the routes stored on the other device. You can create routes on the chartplotter only. You can save up to 100 routes.

Navigating a Route
1 On the remote control, select > Routes.
   A list of the ten closest routes is shown.
2 Select a route.
3 Select .
4 Select an option:
   • To navigate the route from the starting point used when the route was created, select Forward.
   • To navigate from your current location to the beginning of the route, then navigate the route, select From Start.
5 Turn on the propeller (Turning the Propeller On and Off, page 5).
The trolling motor drives along the route in the chosen direction (Navigating, page 8).

Viewing Route Details
1 On the remote control, select > Routes.
   A list of the ten closest routes is shown.
2 Select a route.
3 Select .

Editing a Route Name
1 On the remote control, select > Routes.
   A list of the ten closest routes is shown.
2 Select a route.
3 Select .
4 Enter a new name for the route.

Deleting a Route
1 On the remote control, select > Routes.
   A list of the ten closest routes is shown.
2 Select a route.
3 Select Delete.

Tracks
A track is a recording of the path of your boat. The track currently being recorded is called the active track, and it can be saved. You can save up to 50 tracks.

When you connect the trolling motor to a chartplotter, the active track and saved tracks stored on the chartplotter are synchronized with the active track and saved tracks stored on the trolling motor. Adding, deleting, or editing active and saved tracks on one device automatically changes the active and saved tracks stored on the other device.

Saving the Active Track
The track currently being recorded is called the active track. You can save the active track and navigate it later.
You can save up to 50 tracks on the trolling motor.
1 On the remote control, select > Tracks > Save Active Track.
The active track is saved with the current date as the track name.
2 Change the name for the saved track (optional).

Clearing the Active Track
Select > Tracks > Clear Active Track.
The track memory is cleared, and the active track continues to be recorded.

Navigating to the Start of the Active Track
The track currently being recorded is called the active track. You can navigate from your current position back to the starting point of the active track along the path you traveled.
1 Select > Tracks > Backtrack.
2 Turn on the propeller (Turning the Propeller On and Off, page 5).
The trolling motor navigates back to the starting point of the active track along the path you traveled (Navigating, page 8).
Navigating a Saved Track
1 Select > Tracks > Saved Tracks. A list of the ten closest saved tracks is shown.
2 Select a saved track.
3 Select Navigate To.
4 Select an option:
   • To navigate the saved track from the beginning of the track to the end, select Forward.
   • To navigate the saved track from the end of the track back to the beginning, select Backward.
5 Turn on the propeller (Turning the Propeller On and Off, page 5).
   The trolling motor drives along the saved track in the chosen direction (Navigating, page 8).

Viewing Saved Track Details
1 On the remote control, select > Tracks > Saved Tracks. A list of the ten closest saved tracks is shown.
2 Select a saved track.
3 Select Review.

Editing a Saved Track Name
1 On the remote control, select > Tracks > Saved Tracks. A list of the ten closest saved tracks is shown.
2 Select a saved track.
3 Select Edit.
4 Enter a new name for the saved track.

Deleting a Saved Track
1 On the remote control, select > Tracks > Saved Tracks. A list of the ten closest saved tracks is shown.
2 Select a saved track.
3 Select Delete.

Navigating
Before you can navigate, you must calibrate the trolling motor (Calibrating the Trolling Motor, page 2).

The trolling motor uses GPS to steer the boat to a waypoint location or to follow a route or a track.
1 On the remote control, select an option:
   • Begin navigating to a saved waypoint (Navigating to a Waypoint, page 7).
   • Begin navigating a saved route (Navigating a Route, page 7).
   • Begin retracing the active track (Navigating to the Start of the Active Track, page 7).
   • Begin navigating a saved track (Navigating a Saved Track, page 8).

NOTE: You can also use the trolling motor to follow autoguidance paths when navigation is started from a connected chartplotter. See your chartplotter owner's manual for more information.

Navigating is shown on the remote control screen, and the trolling motor automatically steers the boat to the destination.
2 Adjust the speed as needed.

Pausing and Resuming Navigation
1 While navigating, on the remote control, select an option:
   • To pause navigation while continuing in the same direction at the same speed, select Standby.
   • To pause navigation and set anchor lock, select . Navigation stops, and the trolling motor returns to manual mode or maintains your position in anchor lock.
2 Select > Follow Route or press to resume navigation.
3 If necessary, start the propeller.

Stopping Navigation
Select > Stop Nav.
Navigation stops, and the trolling motor returns to manual mode.

Settings

Trolling Motor Settings
On the remote control, select > Settings > Trolling Motor.

Wi-Fi: Sets the wireless network preferences for the trolling motor (Wireless Network Settings, page 8).

Calibrate: Calibrates the trolling motor compass (Calibrating the Trolling Motor, page 2) and sets the trolling motor bow offset (Setting the Bow Offset, page 2).

Units: Sets the units of measure.

Prop Stow Side: Sets which side of the trolling motor the propeller rotates to when stowing the trolling motor. This is helpful when you store other items near the stowed propeller.

Auto Power On: Turns on the trolling motor when you apply power to the system.

Heading Hold: Sets the behavior of the heading hold feature (Changing the Heading Hold Behavior, page 6).

Anchor Gain: Sets the response of the trolling motor when in anchor lock mode. If you need the trolling motor to be more responsive and move quicker, increase the value. If the motor is moving too much, decrease the value.

Navigation Gain: Sets the response of the trolling motor when navigating. If you need the trolling motor to be more responsive and move quicker, increase the value. If the motor is moving too much, decrease the value.

Clear User Data: Deletes all saved waypoints, routes, tracks, and you active track.

NOTE: If you are connected to a chartplotter, selecting this clears user data from both the trolling motor and the connected chartplotter.

Restore Defaults: Resets the trolling motor settings to the factory default values.

Wireless Network Settings
On the remote control, select > Settings > Trolling Motor > Wi-Fi.

NOTE: The active Wi-Fi mode is shown at the top of the screen.

Mode: Sets the Wi-Fi mode. You can turn off Wi-Fi technology, join the network of a chartplotter, or create a wireless access point to use the ActiveCaptain® app (Getting Started with the ActiveCaptain App, page 9).

Setup > Name: Sets the name of the wireless access point on the trolling motor (ActiveCaptain mode only).

Setup > Password: Sets the password for the wireless access point on the trolling motor (ActiveCaptain mode only).

Remote Control Settings
On the remote control, select > Settings > Remote Control.

Backlight: Adjusts the backlight settings. (Backlight Settings, page 9)

Beeper: Sets the beeper to sound for key presses and alarms.

Power: Sets the length of time before the remote control turns off automatically.

Calibrate: Calibrates the remote control for the gesture-control features (Calibrating the Remote Control, page 4).
Pair: Pairs the remote control with the trolling motor (Pairing the Remote Control, page 4).

Language: Sets the on-screen text language.

Restore Defaults: Resets the remote control to factory default settings. This restores the default configuration settings on the remote control, but does not remove saved user data.

Backlight Settings
On the remote control, select > Settings > Remote Control > Backlight.

Keys: Sets the backlight to turn on when a key is pressed.

Alarms: Sets the backlight to turn on when an alarm sounds on the remote control.

Timeout: Sets the length of time before the backlight turns off.

Brightness: Sets the brightness level of the backlight.

Maintenance Needs and Schedule

NOTICE
After using the motor in salt water or brackish water, you must rinse off the entire motor with fresh water, and apply a water-based silicone spray using a soft cloth. You should avoid spraying jets of water at the cap on the top of the shaft when rinsing the motor.

To maintain your warranty, you must perform a series of routine maintenance tasks as you prepare your motor for the season. If you use or transport the motor in dry, dusty environments (traveling on gravel roads, for example) you should perform these tasks more often during the season.


• Examine the power cable for wear, and patch or repair as necessary ①.
• Check the power terminals, and clean them if necessary ②.
• Lubricate the hinges and bushings ③.
• Clean and lubricate the stow and deploy latch mechanism ④.
• Check the mount rails, and replace them if necessary ⑤.
• Check the mount bumper, and replace it if necessary ⑥.
• Clean or replace the anodes in the propeller drive motor ⑦.

Motor Information

Getting Started with the ActiveCaptain App
You can connect a mobile device to the trolling motor using the ActiveCaptain app. The app provides a quick and easy way for you to interact with your trolling motor and update the device software.

1 On the remote control, select > Settings > Trolling Motor > Wi-Fi > Mode > ActiveCaptain > Setup.
2 Enter a name and password for this network.
3 From the application store on your mobile device, install and open the ActiveCaptain app.
4 Bring the mobile device near the trolling motor.
5 From your mobile device settings, open the Wi-Fi connections page and connect to the trolling motor, using the name and password you entered in the previous step.

Stowed Dimensions

<table>
<thead>
<tr>
<th>Item</th>
<th>50 in. Model</th>
<th>57 in. Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>1.558 m (61 13/16 in.) min.</td>
<td>1.712 m (67 15/16 in.) min.</td>
</tr>
<tr>
<td></td>
<td>1.811 m (71 5/16 in.) max.</td>
<td>2.066 m (81 5/16 in.) max.</td>
</tr>
<tr>
<td>②</td>
<td>300 mm (11 3/16 in.)</td>
<td>340 mm (13 7/16 in.)</td>
</tr>
</tbody>
</table>

Deployed Dimensions

<table>
<thead>
<tr>
<th>Item</th>
<th>50 in. Model</th>
<th>57 in. Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>461 mm (18 1/8 in.) min.</td>
<td>488 mm (19 7/16 in.) min.</td>
</tr>
<tr>
<td></td>
<td>721 mm (28 3/8 in.) max.</td>
<td>817 mm (32 1/8 in.) max.</td>
</tr>
<tr>
<td>②</td>
<td>708 mm (27 1/8 in.)</td>
<td>799 mm (31 7/16 in.)</td>
</tr>
</tbody>
</table>
The part withstands projected water exposure from any direction (such as rain).
The part withstands incidental immersion in water up to 1 m deep for up to 30 min.

•

The part withstands continuous immersion in water up to 3 m deep.

Registering Your Device
Help us better support you by completing our online registration today. Keep the original sales receipt, or a photocopy, in a safe place.
1 Go to my.garmin.com/registration.
2 Sign in to your Garmin account.

Contacting Garmin Support
- Go to support.garmin.com for help and information, such as product manuals, frequently asked questions, videos, and customer support.
- In the USA, call 913-397-8200 or 1-800-800-1020.
- In the UK, call 0808 238 0000.
- In Europe, call +44 (0) 870 850 1241.

Specifications

Trolling Motor

<table>
<thead>
<tr>
<th>Item</th>
<th>50 in. Model</th>
<th>57 in. Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>648 mm (25 1/2 in.) min. 889 mm (35 in.) max.</td>
<td>737 mm (29 in.) min. 1.07 mm (42 in.) max.</td>
</tr>
<tr>
<td>4</td>
<td>839 mm (33 1/8 in.) min. 1.1 m (43 9/16 in.) max.</td>
<td>920 mm (36 9/16 in.) min. 1.18 m (46 1/2 in.) max.</td>
</tr>
</tbody>
</table>

Material
- Mount and motor housing: aluminum
- Shaft cap, display panel, and side panels: plastic
- Motor shaft: fiberglass

Water rating
- Shaft cap: IEC 60529 IPX5
- Steering motor housing: IEC 60529 IPX7
- Display panel housing: IEC 60529 IPX7
- Propeller drive motor housing: IEC 60529 IPX8

Compass safe distance 91 cm (3 ft.)

Power cable length
- 50 in. model: 1.2 m (4 ft.)
- 57 in. model: 1.1 m (3.5 ft.)

Input voltage
- From 20 to 45 Vdc

Input amperage 60 A continuous

Remote Control

Dimensions (W×H×D) 152 x 52 x 32 mm (6 x 2 x 1 1/4 in.)

Weight 109 g (3.8 oz.) without batteries

Material Glass-filled nylon

Display type Sunlight-visible, transflective memory-in-pixel (MIP)

Display resolution R240 x 240 pixels

Display size (diameter) 30.2 mm (1 1/4 in.)

Operating temperature From -15° to 55°C (5° to 131°F)

Storage temperature From -40° to 85°C (-40° to 185°F)

Battery type 2 AA (not included)

Battery life 240 hr., typical use

Radio frequency 2.4 GHz @ -0.8 dBm nominal

Water rating IEC 60529 IPX7

Compass-safe distance 15 cm (6 in.)

Motor Thrust and Current-Draw Information
You can refer to these tables to understand the relationship between the throttle level, output power, and current consumption of the motor. These values assume you are using an official Garmin power propeller, in relatively calm water, with the motor deployed deeply enough not to ventilate, and with tolerances of ±7 N-m (5 lbf) and ±5 A.

24.0 Vdc Power Source

<table>
<thead>
<tr>
<th>Throttle Level</th>
<th>Thrust (N-m)</th>
<th>Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>25</td>
<td>2</td>
</tr>
<tr>
<td>20%</td>
<td>45</td>
<td>3</td>
</tr>
<tr>
<td>30%</td>
<td>70</td>
<td>6</td>
</tr>
<tr>
<td>40%</td>
<td>101</td>
<td>9</td>
</tr>
<tr>
<td>50%</td>
<td>140</td>
<td>14</td>
</tr>
<tr>
<td>60%</td>
<td>184</td>
<td>21</td>
</tr>
<tr>
<td>70%</td>
<td>233</td>
<td>29</td>
</tr>
<tr>
<td>80%</td>
<td>287</td>
<td>40</td>
</tr>
<tr>
<td>90%</td>
<td>345</td>
<td>54</td>
</tr>
<tr>
<td>100%</td>
<td>355</td>
<td>57</td>
</tr>
</tbody>
</table>

36.0 Vdc Power Source

<table>
<thead>
<tr>
<th>Throttle Level</th>
<th>Thrust (N-m)</th>
<th>Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>21</td>
<td>1</td>
</tr>
<tr>
<td>20%</td>
<td>41</td>
<td>2</td>
</tr>
<tr>
<td>30%</td>
<td>69</td>
<td>4</td>
</tr>
<tr>
<td>40%</td>
<td>103</td>
<td>6</td>
</tr>
<tr>
<td>50%</td>
<td>144</td>
<td>10</td>
</tr>
<tr>
<td>60%</td>
<td>191</td>
<td>15</td>
</tr>
<tr>
<td>70%</td>
<td>246</td>
<td>21</td>
</tr>
<tr>
<td>80%</td>
<td>307</td>
<td>29</td>
</tr>
<tr>
<td>90%</td>
<td>375</td>
<td>39</td>
</tr>
<tr>
<td>100%</td>
<td>445</td>
<td>54</td>
</tr>
</tbody>
</table>

Main power usage at 36 Vdc 60 A

Off: 72 mW

Full power: 2160 W

Radio frequency 2.4 GHz @ 28 dBm nominal

Support

50 in. Model
- 1.07 mm (42 in.) max.
- 1.022 m (4 ft.)

57 in. Model
- 1.18 m (46 1/2 in.) max.
- 1.1 m (3.5 ft.)

50 in. Model
- 1.18 m (46 1/2 in.) max.
- 1.07 mm (42 in.) max.
- 1.022 m (4 ft.)

57 in. Model
- 1.18 m (46 1/2 in.) max.
- 1.1 m (3.5 ft.)

80% Current Draw Information

<table>
<thead>
<tr>
<th>Throttle Level</th>
<th>Thrust (N-m)</th>
<th>Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10%</td>
<td>25</td>
<td>2</td>
</tr>
<tr>
<td>20%</td>
<td>45</td>
<td>3</td>
</tr>
<tr>
<td>30%</td>
<td>70</td>
<td>6</td>
</tr>
<tr>
<td>40%</td>
<td>101</td>
<td>9</td>
</tr>
<tr>
<td>50%</td>
<td>140</td>
<td>14</td>
</tr>
<tr>
<td>60%</td>
<td>184</td>
<td>21</td>
</tr>
<tr>
<td>70%</td>
<td>233</td>
<td>29</td>
</tr>
<tr>
<td>80%</td>
<td>287</td>
<td>40</td>
</tr>
<tr>
<td>90%</td>
<td>345</td>
<td>54</td>
</tr>
<tr>
<td>100%</td>
<td>355</td>
<td>57</td>
</tr>
</tbody>
</table>

Battery type 2 AA (not included)

Battery life 240 hr., typical use

Radio frequency 2.4 GHz @ -0.8 dBm nominal

Water rating IEC 60529 IPX7

Compass-safe distance 15 cm (6 in.)

1 The part withstands projected water exposure from any direction (such as rain).
2 The part withstands incidental immersion in water up to 1 m deep for up to 30 min.
3 The part withstands continuous immersion in water up to 3 m deep.
## Foot Pedal

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (L×W×H)</td>
<td>303 × 221 × 110 mm (11 15/16 × 8 11/16 × 4 5/16 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.8 kg (4 lb)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>From -15° to 55°C (5° to 131°F)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>From -40° to 85°C (-40° to 185°F)</td>
</tr>
<tr>
<td>Water rating</td>
<td>IEC 60529 IPX7</td>
</tr>
<tr>
<td>Material</td>
<td>Plastic</td>
</tr>
<tr>
<td>Input voltage</td>
<td>From 10 to 45 Vdc</td>
</tr>
<tr>
<td>Typical input current</td>
<td>&lt; 1 mA @ 12 Vdc</td>
</tr>
<tr>
<td>Max input current</td>
<td>10 mA @ 12 Vdc</td>
</tr>
<tr>
<td>Fuse (on the power cable)</td>
<td>2 A mini-blade type</td>
</tr>
<tr>
<td>Power cable length</td>
<td>2 m (6.6 ft.)</td>
</tr>
<tr>
<td>Battery type</td>
<td>Two AA batteries (Alkaline, NiMH, or lithium. Not included.)</td>
</tr>
<tr>
<td>Battery life</td>
<td>At least 1 year</td>
</tr>
<tr>
<td>Radio frequency</td>
<td>2.4 GHz @ 0.8 dBm nominal</td>
</tr>
<tr>
<td>Compass-safe distance</td>
<td>60 cm (2 ft.)</td>
</tr>
</tbody>
</table>
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