LOWRANCE

SIMRAD

Compact GPS Remote

Operation manual

English



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simrad-yachting.com

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More information

Document version: 001

Features described and illustrated in this guide may vary from your unit due to continuous development of the software.

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Introduction

Use the Compact GPS Remote to operate and calibrate Lowrance® or Simrad® GPS-guided trolling motors. The remote connects to the trolling motor via Bluetooth®.

⚠ **WARNING:** Propeller hazard. Stop the trolling motor immediately whenever anyone in the water is near your boat.

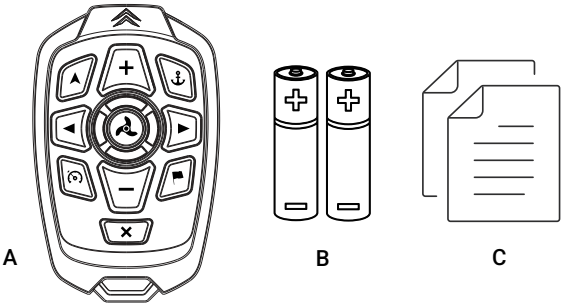
⚠ **WARNING:** The trolling motor will continue a requested action even if the remote loses power. Make sure you know how to stop the trolling motor in an emergency by pressing the trolling motor power key or disconnecting its power supply.

⚠ **WARNING:** Only use the remote while aboard the boat. Using the remote to operate the trolling motor from another location may result in loss of the Bluetooth® connection and loss of control of the trolling motor.

⚠ **WARNING:** For safe and accurate operation, calibrate the trolling motor's bow offset and compass after trolling motor installation.

In the box

The remote is included with some trolling motor systems, or you may have purchased your remote separately as an accessory. A lanyard for the remote is available separately.



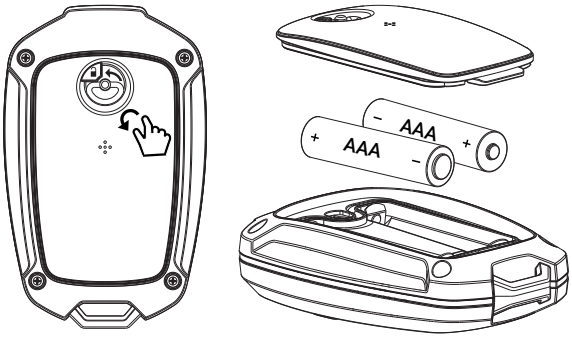
A Compact GPS Remote
B 2x AAA batteries
C Documentation

Insert batteries

Use the supplied batteries.

Replace, when required, with NiMH or lithium AAA batteries.

Remove batteries if the remote will be unused for an extended period.



➔ *Note: Refer to **LED indicators** on page 9 for how to display battery status.*

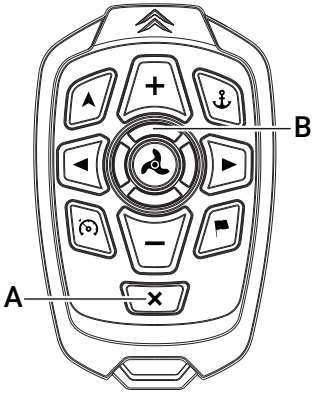
Wake and connect

Press and hold ✕ (**A**) to wake the remote from deep sleep mode.

➔ *Note: For automatic Bluetooth® connection with the trolling motor, the trolling motor must be powered on and within range.*

The top LED (**B**) flashes blue when the remote is connected and ready for operation.

- Refer to **LED indicators** on page 9 for information about the LED signals the remote uses.



- Refer to **Low power and deep sleep modes** on page 9 for information about low power and deep sleep modes.
- Refer to **Pairing** on page 6 if you need to pair the remote to the trolling motor.

Turn off

The Compact GPS Remote does not have an on/off key.

Allow the remote to disconnect automatically when it enters deep sleep mode, 2 hours after the last key press on the remote. Do not forget to turn off the trolling motor using the trolling motor power key, if required.

➔ *Note: If the remote hasn't been able to connect to the trolling motor, it transitions to deep sleep mode 20 minutes after the last key press.*

Alternatively, remove the batteries from the remote to turn it off.

Pairing

➔ *Note: If the remote came in the box with your trolling motor, it is already paired to your trolling motor.*

If you purchased the remote separately from your trolling motor, you need to pair it to the trolling motor before they are able to connect automatically.

1 Put the **trolling motor** in pairing mode (refer to the operation manual for your trolling motor for instructions).

2 Press and hold ◄ and ► together on the **remote** to put it in pairing mode.

The left and right LEDs on the remote show blue while the remote is pairing, then show green when pairing completes.

Unpairing

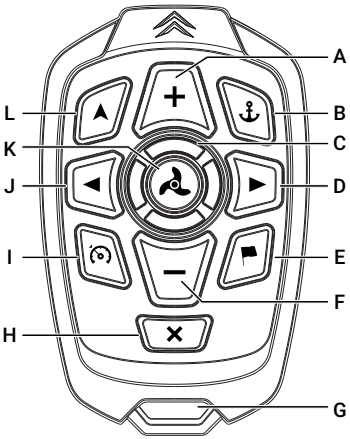
To unpair the remote from the trolling motor, press and hold ✕, ◄, ► together on the remote (the trolling motor does not need to be in pairing mode to unpair the remote).

You must pair the remote again in order to use it.

➔ *Note: Performing a factory reset on the trolling motor will unpair all devices that were paired to the trolling motor.*

Operate the trolling motor

If the remote is in deep sleep mode (more than 2 hours after its last use, or after 20 minutes if it hasn't found a Bluetooth® connection), press and hold ✕ to wake the remote.



A Increase speed/Jog forward
B Anchor lock
C LED indicators
D Steer right/Jog right
E Mark waypoint
F Decrease speed/Jog backward
G Lanyard loop
H Press and hold: wake remote
Press and release: stop/cancel
I Cruise control
J Steer left/Jog left
K Prop on/off
L Course lock/heading lock

⚠ **IMPORTANT:** Refer to your trolling motor's operator manual for information about trolling motor behavior in each mode.

Anchor lock

Press the anchor key ⚓ to engage or disengage the GPS anchor.

4-way anchor jog

In Anchor lock mode press ◄ or ► or + or — to adjust the anchor position in 1.5 m (5 ft) increments.

Course lock or Heading lock

Press the autopilot key ▲ to engage or disengage course lock mode (or the trolling motor's default autopilot mode).

Use ◄ or ► to adjust the course.

→ *Note: Course lock mode, with propeller auto on disabled, is the default setting.*

Cruise control

While in an autopilot mode, press the cruise control key to engage or disengage cruise control.

The default speed is your current speed over ground (SOG).

Press + or — once to increase or decrease the speed in increments of 0.1 units.

Cancel

In any mode, press and release the cancel key ✕ to stop all functions, disengage the propeller, and return to manual steering mode.

Waypoint

Press the waypoint key ⚑ to mark a waypoint at the current GPS location.

When a waypoint is marked with the remote, it is passed to your multi-function display. Make sure your display is configured to receive waypoints (refer to **Configure display to receive waypoints**, below).

Use your display to inspect, manage, and travel to waypoints.

➔ *Note: The trolling motor can drive to waypoints or route starting points within 400 m (0.25 miles) of your vessel's current position.*

Configure display to receive waypoints

To save trolling motor waypoints on your display:

1 Enable **Receive waypoint** in the NMEA 2000® settings, and

2 Enable **Allow duplicate waypoint names** in the advanced system settings.

Refer to the documentation for your display for more details.

Low power and deep sleep modes

The remote enters a low power mode if you don't use it for 2 minutes.

Low power mode with a successful Bluetooth® connection

The remote's LEDs turn off, but the remote remains connected.

When you press a key on the remote, the trolling motor carries out the requested action and the remote returns to active mode for an additional 2 minutes.

The remote enters deep sleep mode after 2 hours without use.

Remote idle time	Remote's mode	
Up to 2 minutes	Active (awake)	Press any key on the remote
2 minutes to 2 hours	Low power	Press any key on the remote
More than 2 hours	Deep sleep	Press and hold ✕ to wake the remote

Low power mode without a Bluetooth® connection

The remote's LEDs turn off, but the remote continues attempting to connect.

The trolling motor does not respond to key presses on the remote. However, a key press returns the remote to active mode for an additional 2 minutes.

If you don't press any keys on the remote, and it cannot find a Bluetooth® connection, it enters deep sleep mode after 20 minutes.

Deep sleep mode

The remote enters deep sleep mode after 2 hours without use (or, if there is no Bluetooth® connection, after 20 minutes without use).

Key presses have no action in deep sleep mode.

Press and hold ✕ to wake the remote from deep sleep. The trolling motor must also be powered on for automatic Bluetooth® connection to complete.

LED indicators

Brightness adjustment

Press and hold the cancel key ✕, and at the same time press + or — to increase or decrease the brightness of the remote's LEDs.

Display battery level

Press + and — together on the remote to see the remote's battery level.

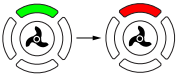
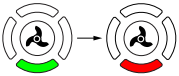
➔ *Note: The battery level also displays after you press and hold the ✕ key to wake the remote from deep sleep mode (refer to **Low power and deep sleep modes** on page 9.)*

	Steady green: 76%—100% battery level
	Steady green: 51%—75% battery level
	Steady green: 26%—50% battery level
	Steady red: less than 25% battery level
	Flashing red — replace battery

Bluetooth® pairing

	Flashing blue together — remote is in pairing mode
	Flashing green together — pairing completed successfully
	Flashing red together — pairing error

During operation

	Flashing blue — Bluetooth® connected. The remote is ready for operation
	Flashing red — no Bluetooth® connection
	Flashing blue (clockwise) — propeller is engaged
	Flashing green — speed or jog distance is increasing Flashing red — speed or jog distance upper limit reached
	Flashing green — speed or jog distance is decreasing Flashing red — speed or jog distance lower limit reached
	Flashing white — software update in progress
	Flashing red — replace battery OR mode switching error

Trolling motor calibration

For safe and accurate operation, calibrate the trolling motor's bow offset and compass after trolling motor installation.

⚠ **IMPORTANT!** Refer to your trolling motor's operation manual for important information about calibration.

Make sure the boat is stationary (e.g. secured to a dock), the trolling motor is deployed, and the lower unit can spin 360° without interruption. Make sure the trolling motor is not close to large metal objects or current-carrying devices whose magnetic fields could cause mis-calibration.

⚠ **WARNING:** Do not operate the propeller when the trolling motor is out of the water. The lower unit will move during calibration.

Bow offset

Power on and deploy the trolling motor, and allow the remote to connect.

Press and hold , together to enter calibration mode.

Use ◄ and ► to align the trolling motor lower unit parallel to the boat's keel with nose cone forward.

When aligned, press the autopilot key ▲ to set the bow offset.

The trolling motor exits calibration mode automatically.

Compass

Power on and deploy the trolling motor, and allow the remote to connect.

Press and hold , together to enter calibration mode.

Press the anchor key to start compass calibration.

The trolling motor moves by itself to complete calibration (ensure the boat is secured).

The trolling motor exits calibration mode automatically.

Software

The Compact GPS Remote's software is upgraded via its connection to the trolling motor. Software updates pass automatically from the trolling motor to the remote when the remote is connected to the trolling motor and the trolling motor is in the stowed position.

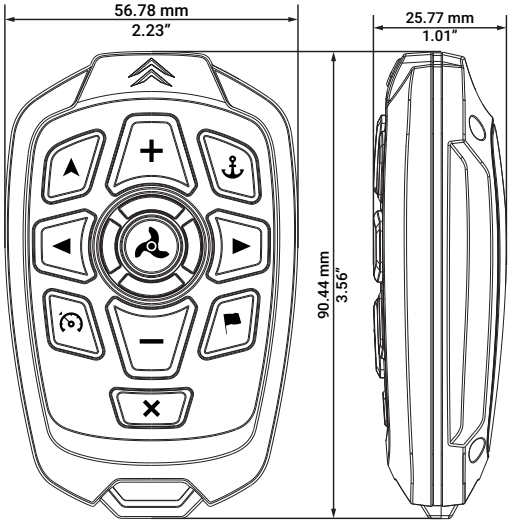
For information about downloading and installing trolling motor software updates, refer to your trolling motor's operation manual.

Trolling motor factory reset

On the remote, press and hold , , together to reset the trolling motor to its factory default settings.

→ *Note: Factory reset removes all user calibrations, data, and paired devices from the trolling motor memory.*

Dimensions



Technical specifications

Power	2× AAA batteries
Operating temperature	−25°C to 65°C (−13°F to 149°F)
Storage temperature	−40°C to 85°C (−40°F to 185°F)
IP rating	IPx7
Communication	Bluetooth® 5.2, Range ~25 m (~82 ft)

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