

MEGA LIVE 2 ICE INSTALLATION GUIDE

533042-1_A



Thank You!

Thank you for choosing Humminbird®, the #1 name in marine electronics. Humminbird has built its reputation by designing and manufacturing top-quality, thoroughly reliable marine equipment. Your Humminbird accessory is designed for trouble-free use in even the harshest marine environment. In the unlikely event that your Humminbird does require repairs, we offer an exclusive Service Policy. For complete details, see the separate warranty card included with your unit. We encourage you to read this manual carefully in order to get the full benefit from all the features and applications of your Humminbird product.

Contact Humminbird Technical Support through our Help Center at <https://humminbird-help.johnsonoutdoors.com/hc/en-us>.

WARNINGS

Always make sure conditions are safe before walking on the ice.

The electronic chart in your Humminbird unit is an aid to navigation designed to facilitate the use of authorized government charts, not to replace them. Only official government charts and notices to mariners contain all of the current information needed for the safety of navigation, and the captain is responsible for their prudent use.

Humminbird is not responsible for the loss of data files (waypoints, routes, tracks, groups, recordings, etc.) that may occur due to direct or indirect damage to the unit's hardware or software. It is important to back up your control head's data files periodically. See your control head operations manual for details.

Disassembly and repair of this electronic unit should only be performed by authorized service personnel. Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty.

NOTES

Some features discussed in this manual require a separate purchase. Every effort has been made to clearly identify those features. Please read the manual carefully in order to understand the full capabilities of your model.

The illustrations in this manual may not look the same as your product, but your unit will function in the same way.

To purchase accessories, visit our Web site at **[humminbird.johnsonoutdoors.com](https://humminbird-johnsonoutdoors.com)** or Contact Humminbird Technical Support through our Help Center at **<https://humminbird-help.johnsonoutdoors.com/hc/en-us>**.

The procedures and features described in this manual are subject to change without notice. This manual was written in English and may have been translated to another language. Humminbird is not responsible for incorrect translations or discrepancies between documents.

Product specifications and features are subject to change without notice.

Humminbird verifies maximum stated depth in saltwater conditions, however actual depth performance may vary due to transducer installation, water type, thermal layers, bottom composition, and slope.

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Introduction

This manual will guide you through the following installation requirements for the MEGA Live 2 ICE transducer:

- Installing the Transducer to an Ice Pole
- Connecting to the Fish Finder and Power
- Testing the Installation
- Powering Off

Compatibility

Fish Finders: MEGA Live 2 ICE is compatible with all XPLORE™ Series fish finders, and it can be mounted on any compatible ice pole.

Cables: Your MEGA Live 2 transducer comes with the cables required to connect directly to your Humminbird fish finder. This includes a MEGA Live power cable and a Ethernet cable.

Accessories: Additional recommended accessories include a Humminbird Ice transducer. For the most current list of compatible accessories, visit our Web site at humminbird.johnsonoutdoors.com.

Supplies

In addition to the hardware included with your accessory, you will need the following supplies:

- Multi-bit screwdriver

Update Software

Your fish finder model may need a software update to work with the MEGA Live 2 transducer. We recommend that you read the following section completely before starting any software updates.

NOTE

It is important to install the latest software update on your fish finder to enable all MEGA Live 2 features. For the latest software update, visit our Web site at **humminbird.johnsonoutdoors.com**.

Check the Current Software Version

It is helpful to review the software version number that is currently installed on the fish finder and each accessory.

1. Press the HOME key.
2. Select Settings.
3. Select System > Network Info.
4. The Network Info dialog box shows a section for each device connected to the network. Scroll to each section to note the software version number listed.

Update Fish Finder Software with an SD Card

You will need a microSD card (32 GB or less).

CAUTION

Humminbird is not responsible for the loss of data files (waypoints, routes, tracks, groups, snapshots, recordings, etc.) that may occur due to direct or indirect damage to the unit's hardware or software.

1. Install a formatted microSD card into the computer card slot.
2. Go to **humminbird.johnsonoutdoors.com**, and click Support > Software Updates.
3. Click on your fish finder model. The available software updates are listed as downloads under each product. Confirm the file name is for your fish finder model.
 - Read the notices and instructions, and select Download.
 - Follow the on-screen prompts to save the software file to the microSD card.

4. Power on your Humminbird fish finder. Start **Normal** or **Simulator** mode.
5. Insert the microSD card (with the software file) into the fish finder card slot.
6. Follow the on-screen prompts to update the fish finder software.
The software can be installed at a later time by using the Software Updates tool.
7. When the software update is complete, remove the microSD card from the fish finder card slot.

Update Accessory Software with an SD Card

You will need a microSD card (32 GB or less).

1. Install a formatted microSD card into the computer card slot.
2. Go to **humminbird.johnsonoutdoors.com**, and click Support > Software Updates.
3. Scroll down to Accessories and Mapping. The available software updates are listed as downloads under each accessory product. Confirm your fish finder model is listed in the software description.
 - Read the notices and instructions, and select Download.
 - Follow the on-screen prompts to save the software file to the microSD card.
4. Power on your Humminbird fish finder. Start **Normal** mode.
5. Insert the microSD card (with the software file) into the fish finder card slot.
6. Select Tools > Software Updates. Scroll to MEGA Live 2 on the Accessories list. Confirm that the most current software version is selected from the list, and select Install Now.
7. When the software update is complete, remove the microSD card from the fish finder card slot.

Update Software from the One-Boat Network App

NOTES

Your fish finder must already be running software release 4.130 or higher to support this feature.

You must first download the One-Boat Network App and pair your Minn Kota and Humminbird compatible products.

1. Open the One-Boat Network App on your mobile device.
2. Tap Network + Updates.
3. Tap Download Update next to the Humminbird device you want to update. The download progress is displayed on the screen.

You can also tap More Options icon (...) next to the device you want to update, and then tap Download Update. Use this menu to pause or cancel the download (Apple iOS only).
4. Tap Transfer Software next to the selected device once the download is complete.

You can also tap the More Options icon (...) again, and then tap Transfer Software or Delete Software.
5. Confirm the estimated transfer time.
6. Tap the radial button to select where to upload the software update (internal storage, SD card 1, or SD slot 2).

Install the MEGA Live 2 Transducer to the Pole

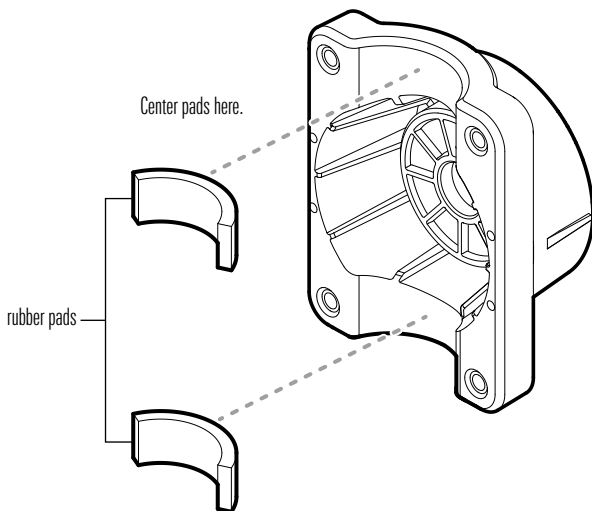
If your ice pole comes with a MEGA Live 2 mount, follow the instructions in the installation manual that came with the ice pole. If your ice pole does not include a MEGA Live 2 mount, use the included mount, hardware and instructions in this manual to attach the MEGA Live 2 low profile mount to your pole. It is important to read the instructions completely and understand the mounting guidelines before you start the installation.

1. Attach the MEGA Live 2 to the Pole Mount

Use the following instructions to attach the MEGA Live 2 to the pole mount.

1. Secure the included small rubber pads to the inside of the pole mount as shown in the illustration ***Pole Mount Rubber Pad Placement***. Remove the backing from the pads and press the adhesive sides firmly into place against the pole mount.

Pole Mount Rubber Pad Placement

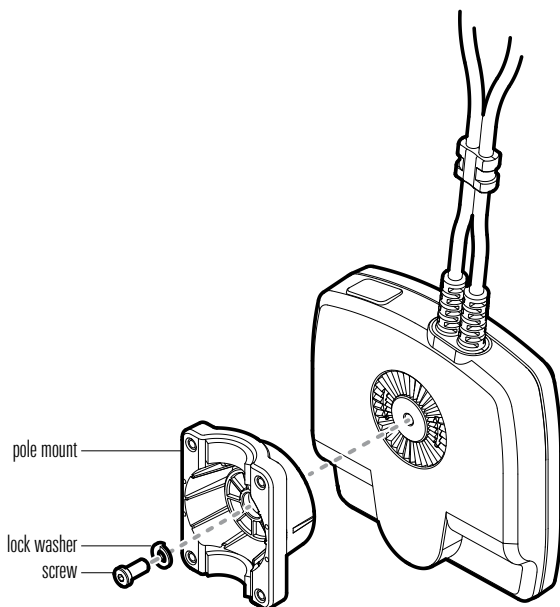


2. Align the ratchets on the pole mount and the MEGA Live 2 transducer to connect them.
3. Secure the pole mount to the MEGA Live 2 with one of the included lock washers and 1/4-28 screws, using the provided hex bit. Hand tighten the screw until the lock washer is fully compressed, and then tighten an additional 1/4 turn. See the illustration ***Attaching the Pole Mount***. **Hand tighten only!**

 **CAUTION**

The screw and lock washer **MUST** be fully tightened. Failure to do so may result in the transducer detaching from the pole mount in the water.

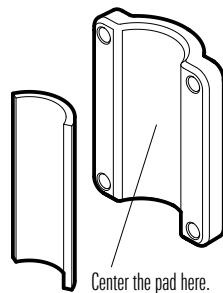
Attaching the Pole Mount



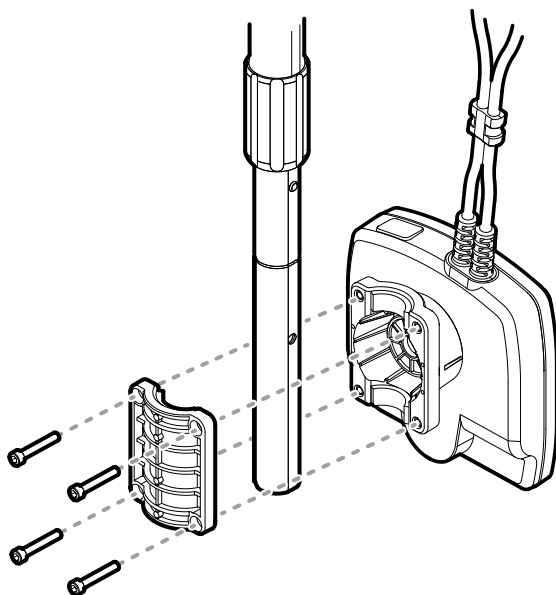
2. Attach the Pole Mount to the Ice Pole

1. Secure the included large rubber pad to the inside of the pole clamp as shown in the illustration ***Pole Clamp Rubber Pad Placement***. Remove the backing from the pad and press the adhesive side firmly into place against the clamp.
2. Align the pole mount and pole clamp around the base of the ice pole.
3. Secure the pole clamp to the pole mount by installing the (4) #10-32 screws into the threaded holes on the clamp using the provided 5/32" Allen wrench. Hand-tighten the screws evenly. The gap between the clamps should be even on both sides before tightening the screws to clamp the pole. See the illustration ***Attaching the Pole Mount to the Ice Pole***.

**Pole Clamp
Rubber Pad Placement**



Attaching the Pole Mount to the Ice Pole



3. Route the Cables and Connect Power

CAUTION

Do NOT mount the cables where the connectors could be submerged in water or flooded. If cables are installed in a splash-prone area, it may be helpful to apply dielectric grease to the inside of the connectors to prevent corrosion. Dielectric grease can be purchased separately from a general hardware or automotive store.

NOTE

The cables should be routed through an established routing system on the ice shuttle. Inspect the selected route carefully to ensure that there are no sharp edges, obstacles, or obstructions that may damage the cables.

1. **Ethernet:** Insert the Ethernet Cable into the Ethernet port on the fish finder. Hand-tighten the screw nut.
2. Connect the other end of the Ethernet cable to the mating connector on MEGA Live 2 and hand-tighten the screw nut.
3. **Power:** Route the power cable to the battery.

CAUTION

The MEGA Live 2 transducer **MUST** be connected to a 12 VDC power supply. Humminbird recommends a 14.8v NMC lithium battery with a capacity of 15ah or more.

4. Connect the red and black spade connectors of the power cable to the red and black spade connectors on the ice shuttle's built-in power harness. Depending on your specific ice shuttle, the shuttle's included power harness may require modifications to plug in the Humminbird provided cables. Follow the wiring instructions included with your ice shuttle to connect the battery.
5. Connect the other end of the power cable to the mating connector on MEGA Live 2 and hand-tighten the screw nut.

Set Up the Fish Finder





Use the following instructions to power on the fish finder and confirm the MEGA Live 2 transducer is detected by the unit.

CAUTION

It is important to finish all installation connections before powering on the fish finder. It may take up to a minute for the MEGA Live 2 transducer and other attached equipment to be detected by the fish finder.

1. Confirm Connections

1. Turn on the power source from the battery.
2. On the fish finder, press the POWER key.
3. Select Normal mode.
4. From the home screen, review the status bar in the top right corner of the screen to confirm the sensor status for the MEGA Live 2 transducer is connected.

MEGA Live 2 Status Icon	Icon Description
	Connected/In Water/Pinging: The MEGA Live 2 is connected, in the water, and pinging.
	Connected/In Water/Not Pinging: The MEGA Live 2 is connected and in the water, but it is not pinging.
	Connected/Out of Water: The MEGA Live 2 is connected, but the wet indicator is out of the water.
	Connection Lost: The connection to the MEGA Live 2 was lost.

NOTE

For additional system status, select Home > Settings > System > Network Info.

MEGA Live 2 Transducer Connected

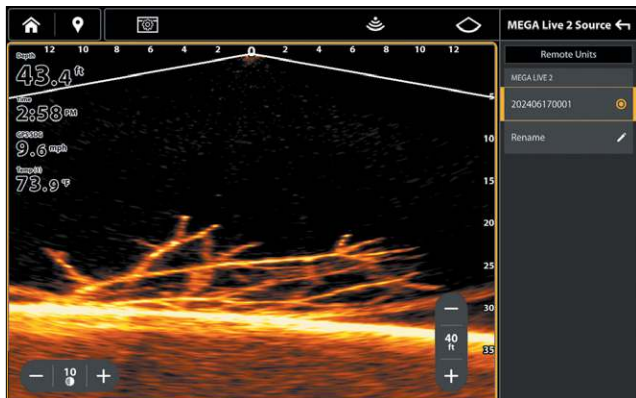


MEGA Live 2
listed

2. Set Up MEGA Live 2 on the Fish Finder

Your XPLORE fish finder will automatically detect and subscribe to MEGA Live 2. To review the selected sonar sources, open the XPress menu and select Settings > MEGA Live 2 Source.

Reviewing Sonar Sources




3. Test MEGA Live 2 on the Fish Finder

It is important to confirm that the MEGA Live 2 transducer is providing sonar returns to the display.


1. From the Home screen, tap the View icon in the menu tray.

NOTE

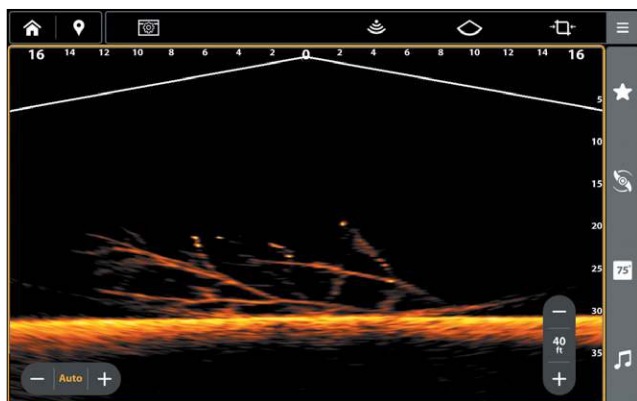
Once the MEGA Live 2 has been detected the first time, the MEGA Live 2 view will display on the Home screen.

2. Tap MEGA Live 2 and select your preferred MEGA Live 2 view.
3. The sonar returns from the MEGA Live 2 will begin to display on the MEGA Live 2 View. Review the display for the following information and see the illustrations *Reviewing the MEGA Live 2 View*.
 - **Bottom:** Confirm that the bottom is visible on-screen.
 - **Blocked Beams:** If the beams hit a hard surface, it will appear as bright white on the display. If the beams are blocked by any objects, move the objects if possible. You can also adjust the MEGA Live 2 Range on the X-Press Menu to see more or less detail on the display.
4. **Stop Pinging:** When you are finished reviewing the operation, tap the Ping icon  from the MEGA Live 2 top bar.

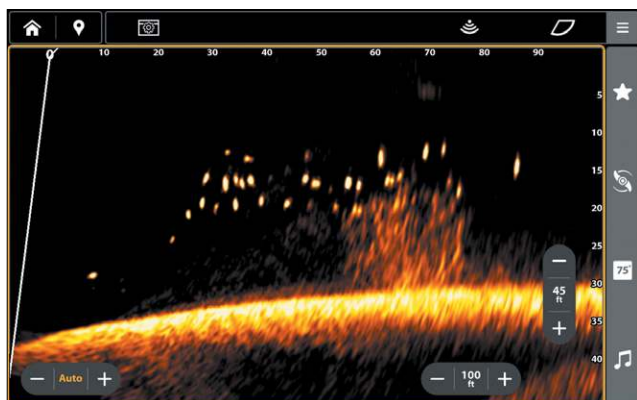
Ping on: 

Ping off: 

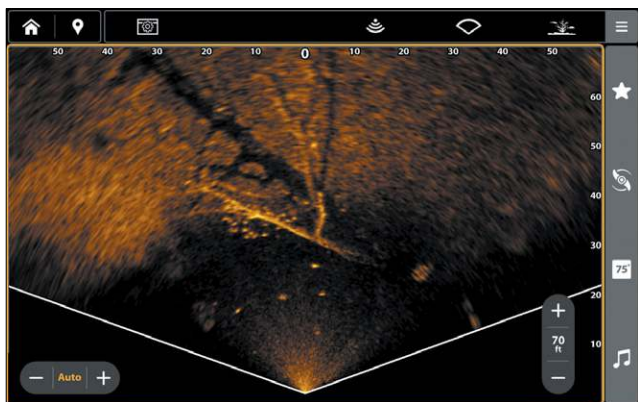
Reviewing the MEGA Live 2 View



(Down)



(Forward)



(Landscape)

NOTE

Not all transducer poles allow for the use of landscape mode. An open-water accessory bracket assembly is available if landscape mode is desired, but may require a larger hole in the ice.

Changing the MEGA Live Mode

Your fish finder will automatically select the best mode for your installation. Use the following instructions to manually change the MEGA Live Mode to Down, Forward, or Landscape.

1. With a MEGA Live 2 View displayed on-screen, tap the MEGA Live Mode icon in the top bar.
2. Tap Auto, or use the Cursor pad and Enter key, to turn Auto off.
3. Tap, or use the Cursor pad and Enter key, to select a MEGA Live Mode.

Down Mode: 

Forward Mode: 

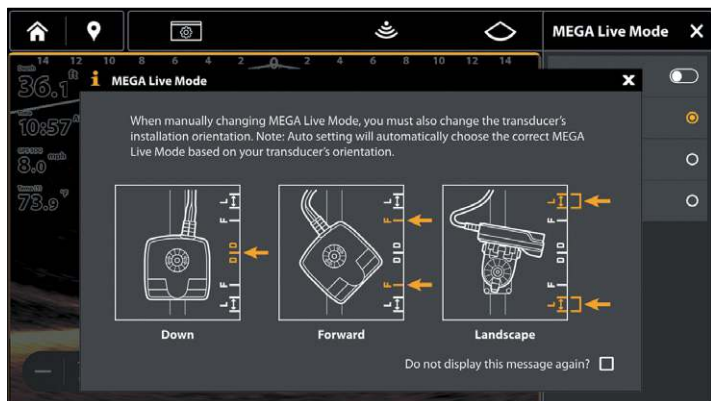
Landscape Mode: 

OR

Press the OBN 3 key to change between forward and down mode.

When you manually change the MEGA Live Mode, a message box will display reminding you to also change the transducer's installation orientation.

Changing the MEGA Live Mode



Power Off

Power Off the Fish Finder

1. During operation, press the POWER key and select Power Off.

CAUTION

Turning off the fish finder will **NOT** power off the MEGA Live 2 ice transducer.

2. Turn power off at the switch on your ice shuttle or disconnect power from the battery.

Travel with the MEGA Live 2 Transducer Installed

The MEGA Live 2 transducer must not hit any objects. This is critical during transport.

Maintenance

Your Humminbird fish finder is designed to provide years of trouble free operation with very little maintenance. Use the following procedures to ensure your Humminbird continues to deliver top performance.

Transducer Maintenance

Use the following information to maintain the transducer operation.

- Periodically clean the face of the transducer with a cloth dampened with fresh water.
- If your MEGA Live 2 transducer remains out of the water for a long period of time, it may take some time to wet the transducer when it is returned to the water. Small air bubbles can climb to the surface of the transducer and interfere with proper operation. These bubbles dissipate with time, or you can wipe the face of the transducer with your fingers after the transducer is in the water.

MEGA Live 2 Maintenance

Use the following information to maintain the installation of the MEGA Live 2 Transducer.

- Check the stability of the pole mount after initial use and periodically thereafter to ensure that the installation remains stable.
- For long-term storage, keep the MEGA Live 2 ice transducer in dry conditions and store it in -40°F to 158°F (-40°C to 70°C).

Troubleshooting

Before contacting the Humminbird Technical Support, please read the following section. Taking the time to review these troubleshooting guidelines may allow you to solve a performance problem yourself, and therefore avoid sending your unit back for repair.

Fishing System Doesn't Power Up

If your Fishing System doesn't power up, use the installation guide that is included with your Fishing System to confirm specific details, making sure that:

- the power cable is properly connected to the Fishing System control head,
- the power cable is wired correctly, with red to positive battery terminal and black to negative terminal,
- the battery voltage of the power connector is at least 12 Volts,
- check in-line fuses on both power cables (5A control head, 2A MEGA Live 2).

Correct any known problems, including removing corrosion from the battery terminals or wiring, or actually replacing the battery if necessary.

Finding the Cause of Noise

Electrical noise usually affects the display with streaks or repetitive patterns on the view. One or more of the following sources can cause noise or interference:

Possible Source of Noise	Isolation
Other electronic devices	Turn off any nearby electronic devices to see if the problem goes away, then turn them on one at a time to see if the noise re-appears.
Other sonar devices	Turn off any nearby sonar devices to see if the problem goes away, then turn them on one at a time to see if the noise re-appears.

Specifications

Operating Frequency.....	1.05 CHIRP MHz
Power Requirement.....	10 to 20 VDC
Current Draw	1.15 A maximum
Operating Temperature.....	32°F to 158°F (0°C to 70°C)
Storage Temperature	-31°F to 185°F (-35°C to 85°C)

NOTES

Humminbird verifies maximum stated depth in saltwater conditions, but actual depth performance may vary due to transducer installation, water type, thermal layers, bottom composition and slope.

Product specifications and features are subject to change without notice.

ROHS STATEMENT: Product designed and intended as a fixed installation or part of a system in a vessel may be considered beyond the scope of Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

ENVIRONMENTAL COMPLIANCE STATEMENT: It is the intention of Johnson Outdoors Marine Electronics, Inc. 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 Marine Electronics, 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.

Contact Humminbird

Contact Humminbird Technical Support through our Help Center at <https://humminbird-help.johnsonoutdoors.com/hc/en-us> or in writing to the address below:

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678 Humminbird Lane
Eufaula AL 36027 USA

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