

MEGA LIVE ICE IMAGING INSTALLATION GUIDE

532864-2EN_A



 **HUMMINBIRD®**

**Accessory
Manual**

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>.



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



WARNING! This device should not be used as a navigational aid 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.



WARNING! 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.



WARNING! 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.



WARNING! 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.

 **NOTE:** 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.

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

 **NOTE:** To purchase accessories for your control heads, visit our Web site at humminbird.com or Contact Humminbird Technical Support through our Help Center at <https://humminbird-help.johnsonoutdoors.com/hc/en-us>.

 **NOTE:** 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.

 **NOTE:** Product specifications and features are subject to change without notice.

 **NOTE:** 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.

HELIX®, Humminbird®, MEGA Imaging®, and MEGA Live Imaging™ are trademarked by or registered trademarks of Johnson Outdoors Marine Electronics, Inc.

© 2022 Johnson Outdoors Marine Electronics, Inc. All rights reserved.

Table of Contents

Introduction	1
Compatibility.....	1
Supplies.....	2
Update Software	3
Check the Current Software Version	3
Update Control Head Software with an SD Card.....	4
Update Accessory Software with an SD Card	5
Update Software with FishSmart.....	6
Install the MEGA Live ICE Transducer and Base	7
1. Connect the Shaft Extenders (Optional).....	8
2. Install the Landscape Mode Mount	10
3. Route the Cables	12
4. Attach the MEGA Live ICE Adapter Base and Handle.....	14
5. Connect the Heading Sleeve and Cap.....	15
6. Test the MEGA Live ICE Views	16
7. Connect the Heading Sensor (Optional).....	18
8. Connect the Cables.....	18
Set Up the Control Head	21
1. Confirm Connections	21
2. Turn on Ice Fishing Mode	22
3. Set Up MEGA Live ICE Imaging on the Control Head	23
4. Test MEGA Live ICE Imaging on the Control Head	24
5. Confirm the Heading Sensor Operation	26
6. Set Up the Network	27
Power Off	28

Table of Contents

Maintenance	29
Control Head Maintenance	29
Transducer Maintenance	30
MEGA Live ICE Imaging Maintenance	30
Troubleshooting	31
Fishing System Doesn't Power Up	31
Fishing System Defaults to Simulator with a Transducer Attached	32
Finding the Cause of Noise	32
Specifications	33
Contact Humminbird	35

Introduction

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

- Installing the MEGA Live ICE Transducer and Base
- Connecting to the Control Head and Power
- Testing the Installation
- Powering Off

The MEGA Live ICE Imaging transducer can be connected directly to the control head or to a Humminbird Ethernet Switch (optional, separate purchase required) for networking. See the Ethernet Switch installation instructions to install the Ethernet Switch.

Compatibility

Control Heads: MEGA Live ICE Imaging is compatible with HELIX® Series G3N and G4N fish finders equipped with MEGA Imaging+ and HELIX 7 G4N fish finders with MEGA Down Imaging or MEGA Side Imaging.

Humminbird Fish Finder

HELIX Series: HELIX G3N and G4N models with MEGA Imaging+ and HELIX 7 G4N models with MDI or MSI



NOTE: Before proceeding with this installation, the ICE HELIX shuttle and control head should be installed. Refer to the *ICE HELIX Shuttle Installation Guide* for more information.

Cables: Your MEGA Live ICE Imaging transducer comes with the cables required to connect directly to your Humminbird fish finder. In addition to the cables permanently attached to the transducer, this includes a 53" MEGA Live ICE power SAE cable, a 60" Ethernet extension cable, and a 12" Ethernet adapter cable.



NOTE: An Ethernet switch (separate purchase required) can be used to connect your MEGA Live Imaging transducer to multiple control heads. To purchase accessories for your control heads, visit our Web site at humminbird.com or Contact Humminbird Technical Support through our Help Center at <https://humminbird-help.johnsonoutdoors.com/hc/en-us>.

Accessories: Additional recommended accessories include a Humminbird ICE AS GPS Heading Sensor. For the most current list of compatible accessories, visit our Web site at humminbird.com.

Supplies

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

- Phillips-head screwdriver
- Multi-bit screwdriver

Switch: A battery switch is included with the ICE HELIX and shuttle.

Power: The MEGA Live ICE Imaging transducer **MUST** be connected to a 12 VDC power supply.

Update Software

Your control head model may need a software update to work with the MEGA Live ICE Imaging 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 control head to enable all MEGA Live ICE features. For the latest software updates, visit our Web site at humminbird.com.

Check the Current Software Version

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

1. Press and hold the VIEW key.
2. Select System > System Status.
3. Confirm the Software Version listed.

Update Control Head Software with an SD Card

You will need an SD or microSD card (depending on your control head model).



WARNING! 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. It is important to back up your control head data files periodically. See your control head operations manual for more information.

1. Before the control head software is updated or restored to system defaults, export your navigation data and copy your screen snapshots to an SD or microSD card. See your control head operations manual for instructions.
2. Install a formatted SD or microSD card into the computer card slot.
3. Go to **humminbird.com**, and click Support > Software Updates.
4. Click on your control head model. The available software updates are listed as downloads under each product. Confirm the file name is for your control head model.
 - Read the notices and instructions, and select Download.
 - Follow the on-screen prompts to save the software file to the SD or microSD card.
5. Repeat step 4 to download the software updates posted to each product.
6. Insert the SD or microSD card (with the software file) into the control head card slot.
7. Power on your Humminbird control head. Start **Normal** mode.
8. Follow the on-screen prompts to update the control head software.
9. When the software update is complete, remove the SD or microSD card from the control head card slot.
10. **Restart:** If you don't have any other software updates to install, power off the control head, and restart it.

Update Accessory Software with an SD Card

You will need an SD or microSD card (depending on your control head model).

1. Install a formatted SD or microSD card into the computer card slot.
2. Go to **humminbird.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 control head 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 SD or microSD card.
4. Insert the SD or microSD card (with the software file) into the control head card slot.
5. Power on your Humminbird control head. Start **Normal** mode.
6. The software will be automatically detected. It may take up to two minutes for the software to be detected on the network, and the control head will display a dialog box to indicate that the update is in progress.
7. When the software update is complete, remove the SD or microSD card from the control head card slot.
8. **Restart:** If you don't have any other software updates to install, power off the control head, and restart it.

Update Software with FishSmart

You can use the FishSmart App to download and push software updates directly to your Humminbird control head or accessory.



NOTE: It is important to install the latest software update on your control head to enable all FishSmart features. For the latest software update, visit our Web site at humminbird.com.

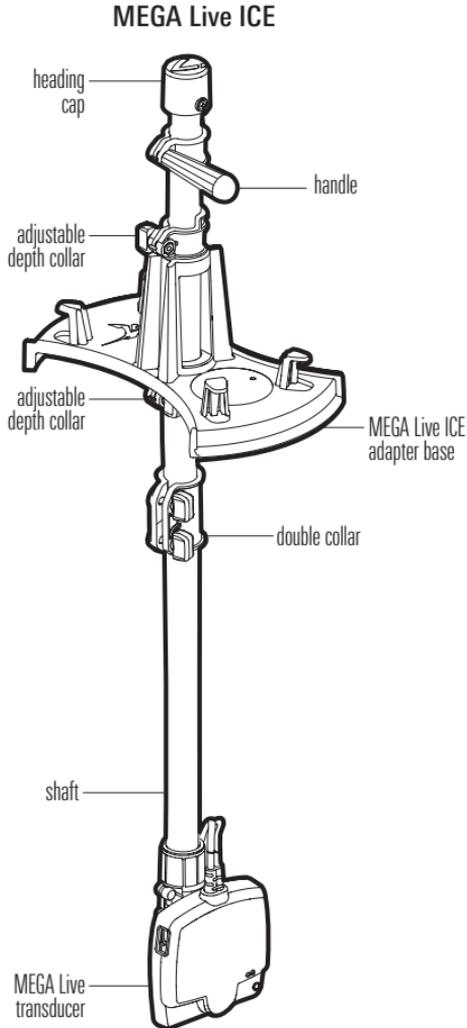


NOTE: You must first download the FishSmart App and pair your mobile device to your control head. See the *FishSmart User Manual* for more information.

1. Open the FishSmart App on your mobile device.
2. **Apple iOS:** Tap the System menu icon.
Google Android: Tap the FishSmart main menu. Select system.
3. Tap Update next to the selected unit. The download progress is displayed on the screen.
4. Tap Transfer next to the selected unit once the download is complete.
5. Confirm the estimated transfer time.
6. Tap the checkbox to select where to upload the software update (internal storage, card slot 1, or card slot 2).
7. Tap Transfer. The upload progress is displayed on the System menu in FishSmart and in the System Status view on the control head.
8. Follow the on-screen prompts on the control head to complete the software installation.

Install the MEGA Live ICE Transducer and Base

The MEGA Live ICE Imaging kit provides a mounting capability to use your MEGA Live ICE Imaging transducer on the ice. This manual will guide you through the installation requirements for the MEGA Live ICE Imaging transducer. It is important to read the instructions completely and understand the mounting guidelines before you start the installation.



1. Connect the Shaft Extenders (Optional)

Your MEGA Live ICE includes two shaft extenders that can be used to customize the shaft length according to your preference and ice thickness. Use the following instructions to connect the extenders.

1. Slide one of the double collars over the bottom shaft segment and down as far as it will go.
2. Insert a shaft extender into the collar as far as it will go.



NOTE: The hole in the shaft extender should be at the top of your assembly.

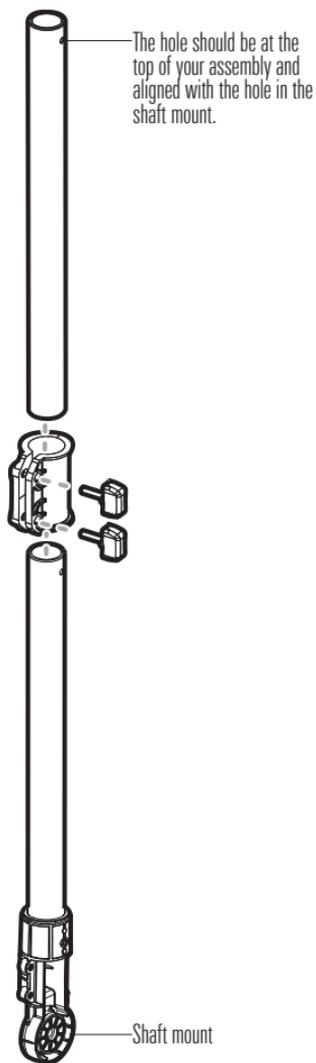
3. Insert two of the included knobs into the double collar and then rotate the shaft extender so that the hole at the top aligns with the hole in the center of the shaft mount (see the illustration *Connecting the Shaft Extenders*). Tighten the knobs so that the shaft is fully secure and won't separate when it is deployed.



NOTE: Periodically check that the double collars are secure and tighten if necessary.

4. Repeat steps 1-3 for the second extender if desired.

Connecting the Shaft Extenders



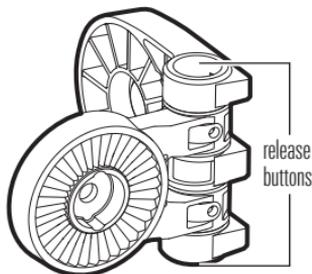
2. Install the Landscape Mode Mount

Use the following instructions to install the Landscape Mode mount onto the shaft mount and the transducer.

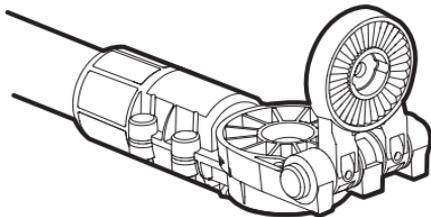
1. The Landscape Mode mount should be open for this step of the installation. Unlock the mount by pressing down on the two release buttons and pulling the mount open. It will relock automatically once fully opened.
2. With the Landscape Mode mount hinge perpendicular to the shaft, connect the Landscape Mode mount to the shaft mount (see the illustration ***Connecting the Landscape Mode Mount to the Shaft Mount***).

The ratchets on the Landscape Mode mount hinge and the shaft mount are keyed to ensure correct alignment.

Landscape Mode Mount



Connecting the Landscape Mode Mount to the Shaft Mount

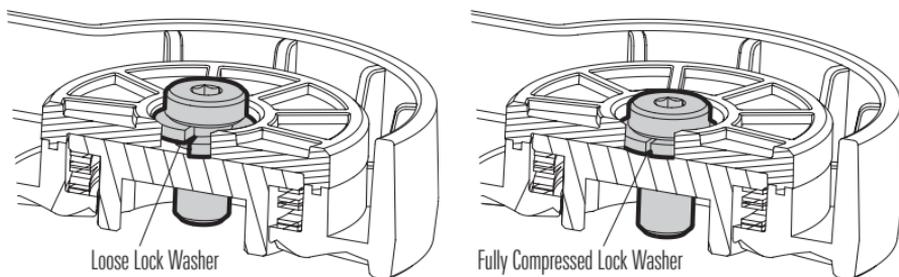


3. Secure the Landscape Mode mount to the shaft mount with one of the included lock washers and 1/4-28 screws, using the provided hex bit. Hand tighten the screw until the lock washer is fully compressed (see the illustration ***Compressing the Lock Washer***), and then tighten an additional 1/4 turn. **Hand tighten only!**



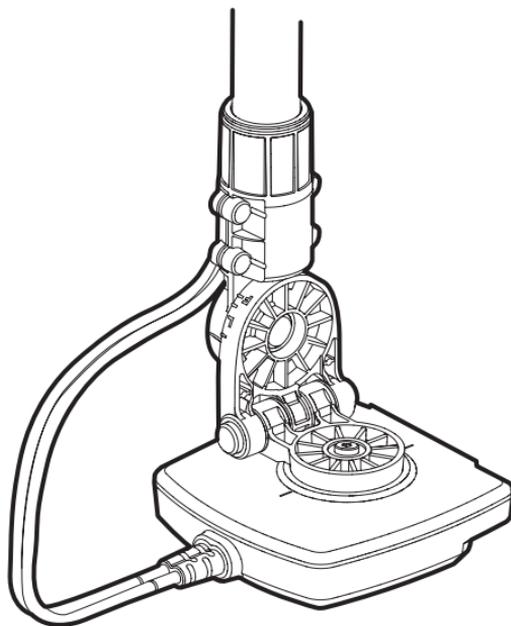
WARNING! The screw and lock washer **MUST** be fully tightened. Failure to do so may result in the transducer detaching from the shaft mount in the water.

Compressing the Lock Washer



4. Connect the transducer to the Landscape Mode mount (see the illustration *Connecting the Landscape Mode Mount to the Transducer*). The ratchets are keyed. The ribs on the Landscape Mode mount ratchet should align with the marks on your transducer.

Connecting the Landscape Mode Mount to the Transducer



- Secure the Landscape Mode mount to the transducer with one of the included lock washers and 1/4-28 screws, using the provided hex bit. Hand tighten until the lock washer is fully compressed (see the illustration *Compressing the Lock Washer*), and then tighten an additional 1/4 turn. **Hand tighten only!**

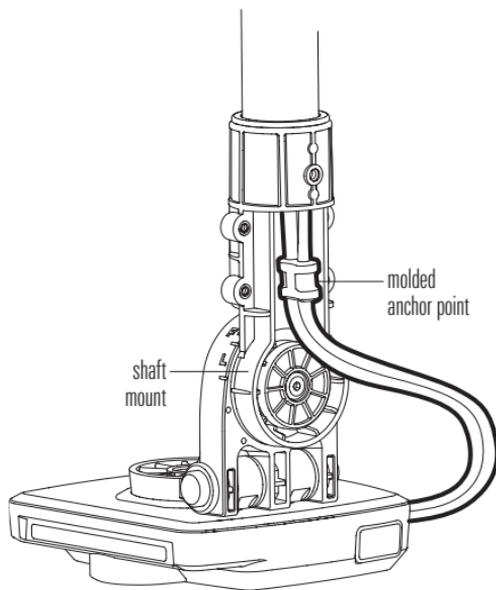


WARNING! The screw and lock washer **MUST** be fully tightened. Failure to do so may result in the transducer detaching from the Landscape Mode mount in the water.

3. Route the Cables

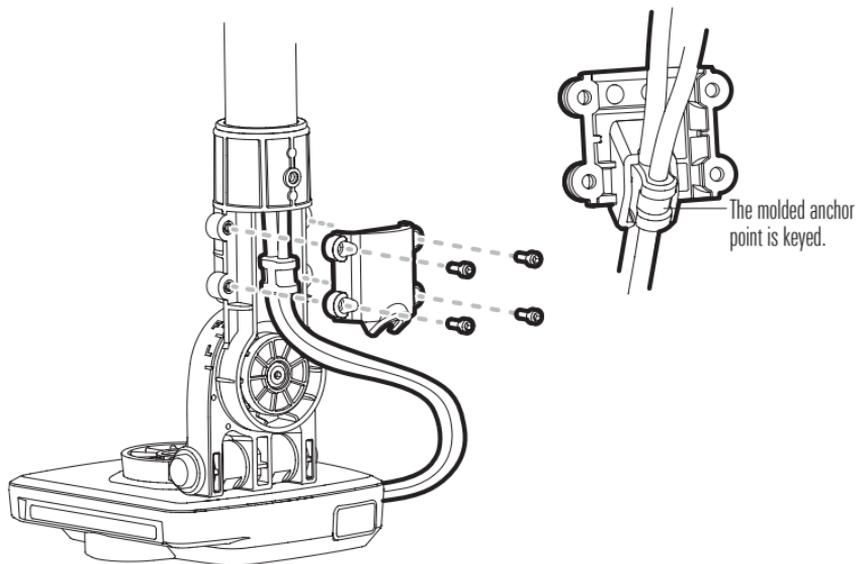
- Feed the transducer cables through the shaft until the last molded anchor point has just passed the shaft mount (see the illustration *Routing the Cables*).

Routing the Cables



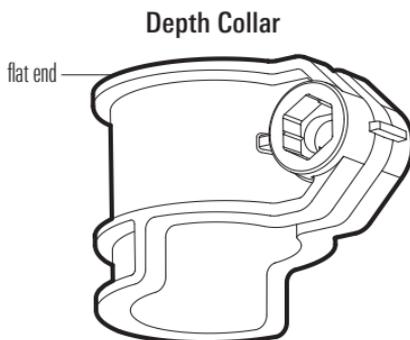
- Connect the cable cover to the shaft mount. The last molded anchor point is keyed to fit into the base of the cable cover (see the illustration *Connecting the Cable Cover*).
- Secure the cable cover with the four (4) included 8-32 screws, using the provided 9/64" Allen wrench. **Hand tighten only!**

Connecting the Cable Cover



4. Attach the MEGA Live ICE Adapter Base and Handle

1. Slide one of the depth collars, flat end up, over the cables and shaft.



2. Slide the MEGA Live ICE adapter base over the cables and shaft.
3. Slide the included rubber washer over the cables and shaft.
4. Slide the second depth collar, flat end down, over the cables and shaft.
5. Vertically adjust the height of the MEGA Live ICE adapter base according to ice thickness.
 - Slide the bottom depth collar to the desired position, and tighten the knob to secure the depth collar in place.
 - Slide the top depth collar down to secure the MEGA Live ICE adapter base to the desired height, and tighten the knob to secure the depth collar in place.



NOTE: The MEGA Live ICE Imaging transducer must be submerged below the ice.



NOTE: Periodically check that the adjustable depth collars are secure and tighten if necessary.

6. Remove the nut from the third depth collar and slide the collar over the cables and shaft (orientation of the flat end does not matter for this depth collar).
7. Place the included bolt through the hole in the depth collar and screw on the handle. Hand tighten only.



TIP: Orient the handle so that it is parallel with the front of the transducer.

5. Connect the Heading Sleeve and Cap

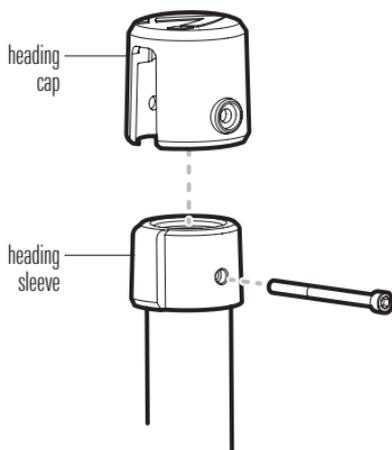
1. Slide the heading sleeve over the cables and shaft and align the holes in the sleeve with the holes at the top of the shaft.



NOTE: Align the heading sleeve so that the raised section faces away from the MEGA Live transducer's pinging element (instead of towards it) to ensure the arrow on the heading cap will point in the same direction as the MEGA Live.

2. Slide the heading cap over the cables and heading sleeve. The gap in the heading cap should align with the raised section of the heading sleeve (see the illustration *Connecting the Heading Sleeve and Cap*).

Connecting the Heading Sleeve and Cap



3. Secure the heading collar and mount to the shaft with the included #8-32x2 screw and hex key.



NOTE: You may need to adjust the positioning of the cables to make room for the screw.

6. Test the MEGA Live ICE Views

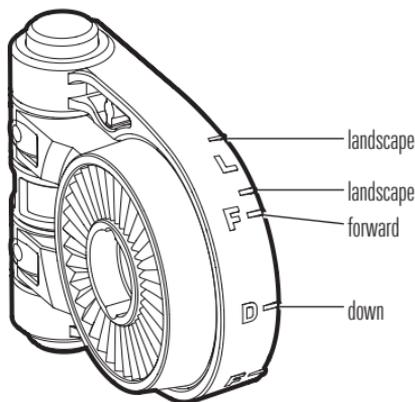
Rotate the transducer by hand to test the Down, Forward and Landscape Mode views as illustrated in *MEGA Live ICE Views*. Your Landscape Mode mount includes guides to help you position the transducer correctly (see the illustration *MEGA Live ICE Mode Guides*).

To alternate between Down and Forward views, rotate the transducer on its mount using both hands.

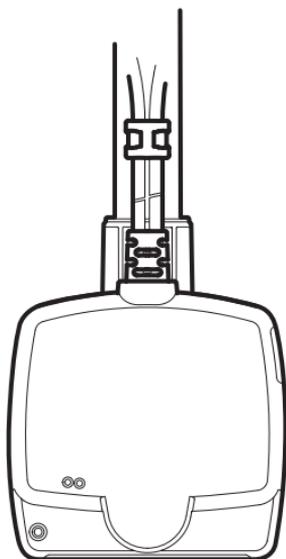
To change from Down or Forward view to Landscape Mode, press the two release buttons on the hinge until the mount unlocks. Flip the transducer out until the hinge locks.

To adjust the Landscape Mode angle, rotate the transducer on its mount using both hands.

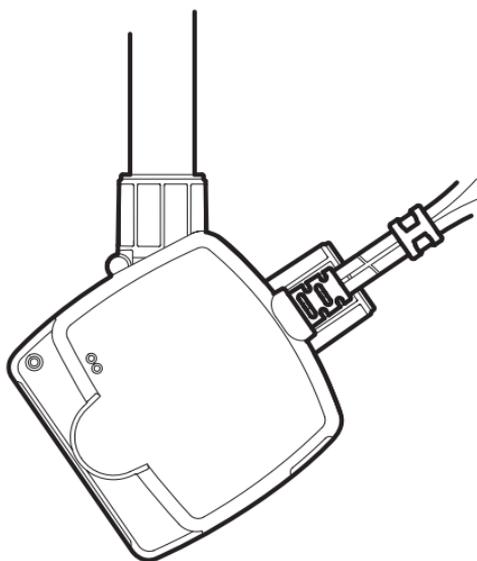
MEGA Live ICE Mode Guides



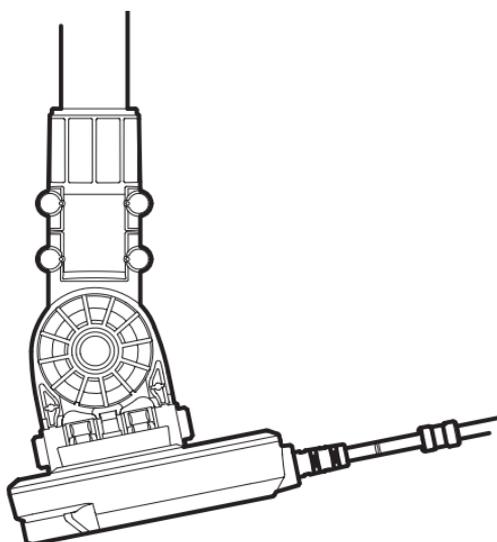
MEGA Live ICE Views



Down View



Forward View



Landscape Mode

7. Connect the Heading Sensor (Optional)

Use the following instructions to mount a heading sensor to your MEGA Live ICE adapter base.

1. With the image of an arrow on your heading sensor pointing away from the shaft, align the heading sensor's screw holes over the screw holes on the MEGA Live ICE adapter base.
2. Attach the heading sensor to the ice adapter base using the two #8 - 32 x 1 1/4 screws and two #8 - 32 hex nuts included with your accessory. Do not overtighten.



NOTE: For accurate heading sensor readings, the arrow on your Heading Sensor should point toward the front of your MEGA Live ICE assembly. Adjust the alignment of the adapter base by loosening the top depth collar and rotating the base as needed before retightening the depth collar.

8. Connect the Cables

The MEGA Live ICE transducer comes with quick disconnect cables so that you can quickly and easily disconnect your MEGA Live ICE transducer from your ICE HELIX control head and shuttle.



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



NOTE: The power switch includes three SAE cables for auxiliary use. If used, the cables connected to the SAE cable can be routed through the side grommets on the back battery cover.



NOTE: See the *ICE HELIX Installation Guide* for more information about connecting the battery, the power switch and the HELIX cable tray.



WARNING! The MEGA Live ICE Imaging transducer should be connected to a battery switch. If you are unable to obtain a battery switch and are forced to connect the power cable directly to the battery, be aware that this will drain the battery. Humminbird does not recommend connecting to a battery without the appropriate fuse and a switch.



NOTE: Humminbird is not responsible for over-voltage or over-current failures. The MEGA ICE Live Imaging transducer must have adequate protection through the proper selection and installation of a 2 Amp fuse.

1. Connect the MEGA Live ICE power SAE cable to the transducer power cable connector, and connect the Ethernet extension cable to the transducer Ethernet cable.

The connectors are keyed to prevent reversed installation, so be careful not to force the connectors. Hand-tighten the screw nuts on each connector.

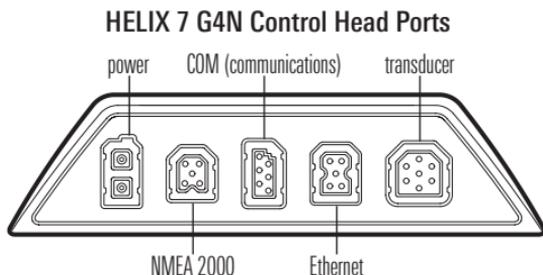


2. **Power:** Route one of the SAE cables connected to your power switch through one of the side grommets on the back battery cover of your ICE HELIX Shuttle. Connect the MEGA Live ICE power SAE cable to the SAE cable. Making this connection outside of the shuttle will allow for quick-disconnect.

3. Ethernet and optional ICE Heading Sensor:

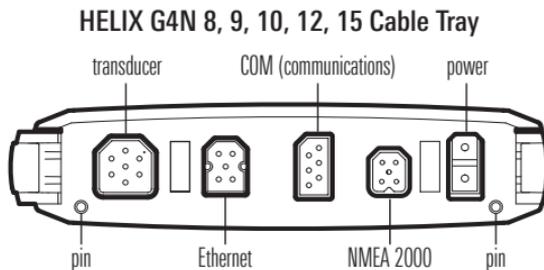
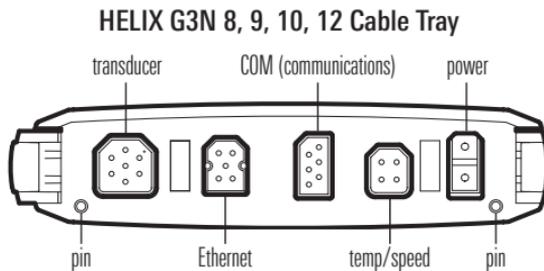
For HELIX 7 G4N models, use the following instructions to route the cables:

- A. Insert the Ethernet adapter cable and optional ICE Heading Sensor extension cable connectors into the correct ports on the control head. Refer to the illustration **HELIX 7 G4N Control Head Ports**. The ports are labeled and the connectors are keyed to prevent incorrect installation, so do not force the connector into the wrong port.
- B. Route the Ethernet adapter cable through one of the side grommets on the back battery cover of your ICE HELIX Shuttle. Connect it to the Ethernet extension cable. Making this connection outside of the shuttle will allow for quick-disconnect.
- C. Route the optional Heading Sensor extension cable through one of the side grommets on the back battery cover of your ICE HELIX Shuttle. Connect it to the Heading Sensor cable. Making this connection outside of the shuttle will allow for quick-disconnect.



For all other models, use the following instructions to route the cables:

- A. Insert the Ethernet adapter cable and optional ICE Heading Sensor extension cable connectors into the correct slots in your cable tray. Each slot is shaped specifically for each connector, and insertion should be easy. Route the cables using the grooves in the tray. Refer to your *ICE HELIX Shuttle Installation Guide* for cable tray installation instructions.
- B. Route the Ethernet adapter cable through one of the side grommets on the back battery cover of your ICE HELIX Shuttle. Connect it to the Ethernet extension cable. Making this connection outside of the shuttle will allow for quick-disconnect.
- C. Route the optional Heading Sensor extension cable through one of the side grommets on the back battery cover of your ICE HELIX Shuttle. Connect it to the Heading Sensor cable. Making this connection outside of the shuttle will allow for quick-disconnect.



4. **Cable Management:** Wrap excess cable using the molded hooks on the MEGA Live ICE adapter base.

Set Up the Control Head

Use the following instructions to power on the control head and confirm the MEGA Live ICE Imaging transducer and the ICE AS GPS Heading Sensor (optional) are detected by the unit.

 **CAUTION!** It is important to finish all installation connections before powering on the control head. It may take up to a minute for the MEGA Live ICE Imaging transducer and other attached equipment to be detected by the control head.

1. Confirm Connections

1. Turn on the power source from the main switch.
2. On the control head, press the POWER key. **If you are powering on a control head in a multiple-control head Ethernet network**, power on the control head that is connected to the Mega Live Imaging transducer first.
3. When the Title screen is displayed, press the MENU key.
4. Select Normal. Press the RIGHT Cursor key.
5. Press and hold the VIEW key. Select System > Accessory Test. Confirm that **Mega Live** and **GPS + Heading Sensor** are listed as Connected. It will take a minute for the equipment to be detected.
6. Press and hold the VIEW key. Select System > GPS Diagnostic View. Confirm that External GPS is displayed and the Fix Type indicates Enhanced or 3D.



NOTE: If the GPS Diagnostic View or Accessory Test is not displayed in the View Rotation, press the MENU key twice to open the Main Menu. Select the Views tab > GPS Diagnostic View or Accessory Test. Change the setting for each view to Visible.

HELIX Accessory Test

Depth		ft		Accessory Test	
41.4		360 Imaging		UNCONNECTED	
Temp.1		BT Talon		UNCONNECTED	
35.1		GPS + Heading Sensor		CONNECTED	GPS Heading Sensor listed as Connected
N 34.19530°		i-Pilot BT v9.999		CONNECTED	
W 083.99157°		MEGA 360 Imaging		UNCONNECTED	
Time		MEGA Live v0.011 S/N: 200923015692		CONNECTED	MEGA Live Imaging listed as Connected
11:31 AM		NMEA 2000		CONNECTED	
Speed		CHIRP-Radar		CONNECTED	
5.6		Speed		CONNECTED	
5:06		Temperature		CONNECTED	
1.9	0.4				
VLT					
13.4					

GPS Diagnostic View

Depth		ft		GPS Diagnostic View	
41.4				Fix Type	3D Fix
Temp.1				HDOP	1.07
35.1				Est Pos Error	5.41ft
N 34.19530°				Average CNO	31
W 083.99157°				Top 4	39
Time		Source	External GPS	Speed	0.1mph
11:31 AM		NORTH	34.25051°	COG	005°m
Speed		WEST	084.24469°	SD Card	29.67/29.7GB
5.6		Date	11/18/20	SD Card	---
5:06		Time	5:18:49 PM		
1.9	0.4				
VLT					
13.4					

2. Turn on Ice Fishing Mode

1. **Main Menu:** Press the MENU key twice. Select the Sonar tab.
2. Select Ice Fishing.
3. Press the RIGHT Cursor key.

The control head will automatically restart.

To return to Open Water mode, repeat step 1 and select Open Water.

3. Set Up MEGA Live ICE Imaging on the Control Head

Your control head will automatically detect and subscribe to MEGA Live ICE Imaging. Use the following instructions to confirm that MEGA Live is selected in the Network Source Setup dialog box. It might take up to a minute for the equipment to be detected.

1. **Main Menu:** Press the MENU key twice.
2. Select the Network tab > Network Source Setup. Press the RIGHT Cursor key.
3. Select the Live tab from the Network Source Setup dialog box.
4. Select MEGA Live from the transducer list. Press the RIGHT Cursor key. A checkmark will display in the box to show it is selected.
5. Press the EXIT key until the dialog box is closed.

Selecting the MEGA Live Imaging Transducer

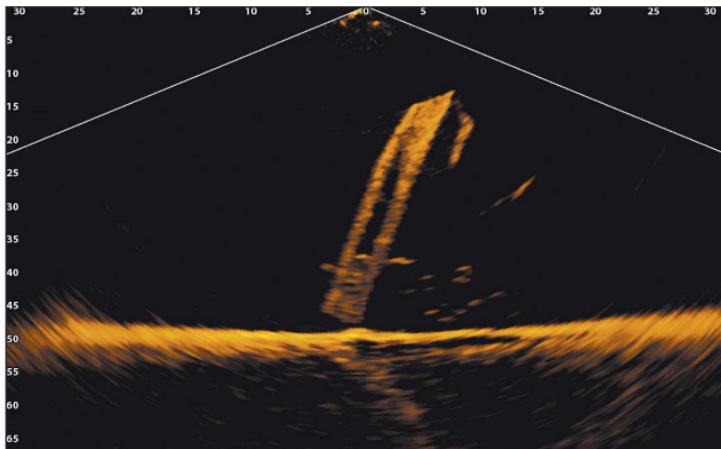
Network Source Setup			
Status	2D	DI	GPS
Name	Model		 kHz
zynq	MEGA Live Sonar	MEGA Live	MULTIBEAM <input checked="" type="checkbox"/>

4. Test MEGA Live ICE Imaging on the Control Head

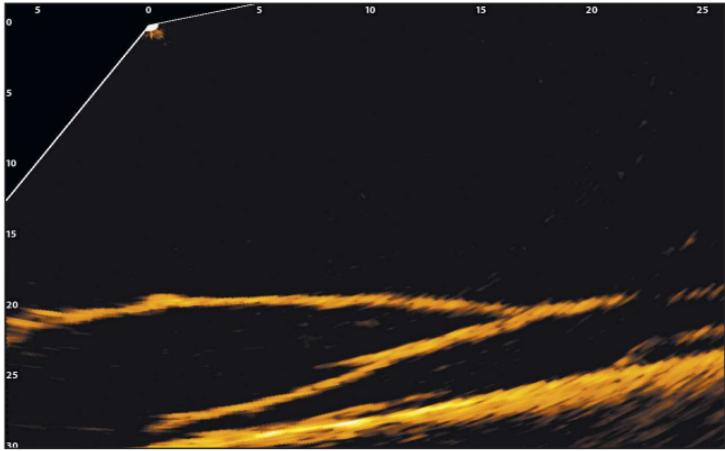
It is important to confirm that the MEGA Live ICE Imaging transducer is providing sonar returns to the display.

1. Press and hold the VIEW key.
2. Select Sonar > MEGA Live View.
3. The sonar returns from the MEGA Live scan will begin to display on the MEGA Live View. Review the display for the following information and see the illustrations *Reviewing the MEGA Live 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, confirm that the transducer is below the ice and move other equipment, such as additional transducers, if possible. You can also adjust the MEGA Live 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, press the MENU key once. Select MEGA Live Pinging, and press the LEFT Cursor key.

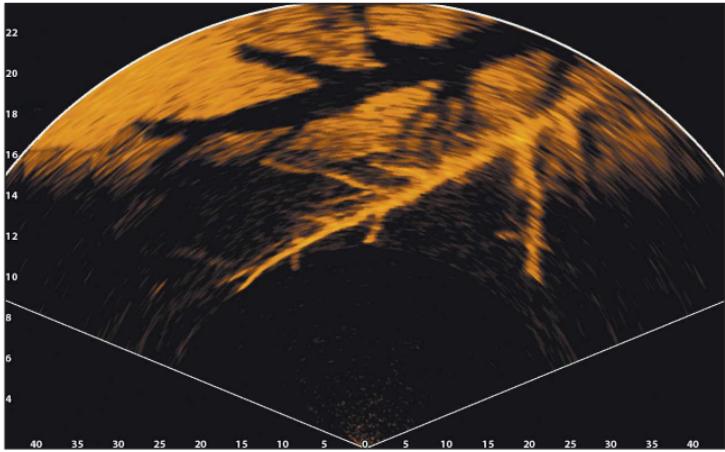
Reviewing the MEGA Live View



(Down)



(Forward)



(Landscape)

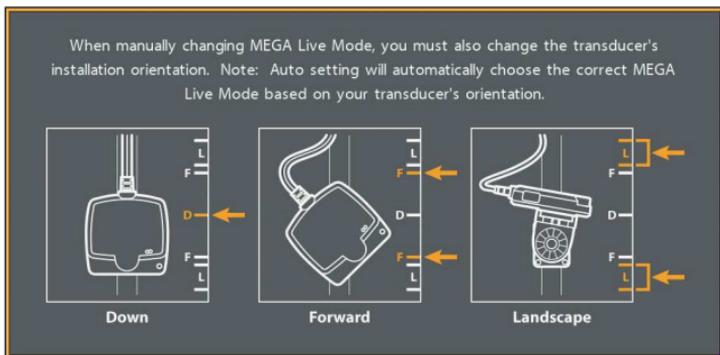
Changing the MEGA Live ICE Mode

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

1. **X-Press Menu:** With a MEGA Live Imaging View displayed on-screen, press the Menu key once.
2. Select MEGA Live Mode.
3. Press the RIGHT or LEFT Cursor keys to select a mode.

When you manually change the MEGA Live mode, a message box will display reminding you to also change the transducer's installation orientation. For instructions on changing the installation orientation, see *Install the MEGA Live ICE Transducer and Base, Section 5: Test the MEGA Live ICE Views*.

Changing the MEGA Live Mode



4. **Close:** Press the EXIT key.

5. Confirm the Heading Sensor Operation

It is important to confirm that the Heading Sensor is installed correctly by reviewing the heading digital readout.

1. **Main Menu:** Press the MENU key twice.
2. Select the Chart tab > North Reference > Magnetic.
3. Press the EXIT key.

4. Select the Setup tab > Select Readouts (G3N models) or Edit Data Boxes (G4N models).



NOTE: If the Select Readouts or Edit Data Boxes menu option does not appear under the Setup tab, change the User Mode to Custom. Select Main Menu > Setup tab > User Mode > Custom.

5. Select a Readout position or Data Box position and use the RIGHT or LEFT Cursor keys to select Vessel. Then select Heading.
6. Press the EXIT key until the Main Menu is closed.
7. Press and hold the VIEW key. Select Chart > Chart View.
8. With a Chart View displayed on-screen, rotate your transducer assembly so that it is pointing at a known object on the horizon (like land), and compare the Heading digital readout against your chart.

Adjust (G3N): To adjust the zero point of the Heading Sensor, select Main Menu > Navigation tab > Heading Offset. Press the RIGHT or LEFT Cursor keys to adjust the setting.

Adjust (G4N): To adjust the zero point of the Heading Sensor, select Main Menu > Data Sources tab > Data Offsets > Heading Adjustment. Press the RIGHT or LEFT Cursor keys to adjust the setting.

If the procedure failed: If the Heading digital readout is significantly off, you may need to adjust the installation of the ice adapter base. Rotate the base so that the arrow on your Heading Sensor points toward the front of your MEGA Live ICE assembly. The Heading Sensor might also be affected by magnetic interference. Check for possible magnetic disturbances in the area.

6. Set up the Network

After you have confirmed all connections, the MEGA Live ICE Imaging transducer is ready to use on the ice. Proceed to your *MEGA Live Operations Manual* to set up the temperature source and additional sonar sources.

Power Off

 **WARNING!** When not in use, the MEGA Live Imaging transducer must be turned off to prevent draining the battery.

Power Off the Control Head

1. Press and hold the POWER key.

 **CAUTION!** Turning off the control head will NOT power off the MEGA Live Imaging transducer.

2. Turn off power on the battery switch.

Travel with the MEGA Live Transducer Installed

The MEGA Live transducer must not hit any objects. This is critical during transport. Check the tension of the shaft mount after initial use and periodically thereafter to ensure that the installation remains stable.

Maintenance

Your Humminbird fishfinder 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.

Control Head Maintenance

It is important to consider the following precautions when using your Humminbird control head:

- **Chemicals**, such as those found in bug spray and sunscreen, may cause permanent damage to the control head screen. Such damage is not covered by the warranty.
- **NEVER leave the control head in a closed car or trunk.** The high temperatures generated in hot weather can damage the electronics.

Use the following information to keep the control head and screen clean.

- **Screen:** To clean the control head screen, use a mild soap (such as a nonabrasive liquid hand soap) and warm water. Wipe the screen dry with a soft cloth. Be careful to avoid scratching the screen. If water spots remain, use a solution of water and vinegar.



WARNING! Do not use a chemical glass cleaner on the screen. Chemicals in the solution may cause cracking in the lens of the unit.



NOTE: Do not wipe the screen while dirt or grease is on the screen.

- **Control Head:** If the control head comes into contact with salt spray, wipe the affected surfaces with a cloth dampened with fresh water.

Transducer Maintenance

Use the following information to maintain the transducer operation.

- Ice can accumulate around the shaft and transducer. Check for ice buildup periodically and remove it as needed.
- If your 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 cling 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 ICE Imaging Maintenance

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

- Check the stability of the shaft mount after initial use and periodically thereafter to ensure that the installation remains stable.
- When out of the water, your MEGA Live ICE Imaging assembly should be stored on its side or in a bucket with the adapter base adjusted so that the transducer does not touch the bottom.
- Store your MEGA Live ICE Imaging transducer in -40°F to 158°F (-40°C to 70°C), dry conditions when not in use.

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 or ground,
- the fuse is operational, and
- the battery voltage of the power connector is at least 12 Volts.

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

Fishing System Defaults to Simulator with a Transducer Attached

In addition to the MEGA Live ICE Imaging accessory transducer, you may have a standard Humminbird transducer connected to the control head. A connected and functioning transducer with built-in temperature will cause the newly started Fishing System to go into Normal operating mode automatically. If, when you power up the Fishing System, it goes into Simulator mode automatically, even though a transducer is already connected, this means that the control head is not detecting the transducer. Perform the following troubleshooting tasks:

- Check the connections of all transducers that are connected to the control head or Ethernet network. See the transducer installation guide that was included with your Fishing System for connection information.
- Review this MEGA Live ICE Imaging installation guide to confirm that the transducer cable is connected correctly to the Fishing System. Reconnect if necessary, and power on the Fishing System again to see if this fixes the problem.
- Replace the non-functioning transducer with a known good transducer if available and power up the control head again.
- Check the transducer cable. Replace the transducer if the cable is damaged or corroded.

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.....	0.93 A maximum
Operating Temperature.....	-4°F to 158°F (-20°C to 70°C)
Storage Temperature.....	-40°F to 158°F (-40°C to 70°C)



NOTE: 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.



NOTE: 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:

Humminbird Service Department
678 Humminbird Lane
Eufaula AL 36027 USA

Social Media Resources:



[Facebook.com/HumminbirdElectronics](https://www.facebook.com/HumminbirdElectronics)



[Twitter.com \(@humminbirdfish\)](https://twitter.com/humminbirdfish)



[Instagram.com/humminbirdfishing](https://www.instagram.com/humminbirdfishing)



[YouTube.com/humminbirdtv](https://www.youtube.com/humminbirdtv)

