Thank You!

Thank you for choosing Humminbird®. America's #1 name in fishfinders. Humminbird® has built its reputation by designing and manufacturing top-quality, thoroughly reliable marine equipment. Your Humminbird® 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-free of charge during the first year after purchase, and available at a reasonable rate after the one-year period. For complete details, see the warranty section in this manual. We encourage you to read this operations manual carefully in order to get full benefit from all the features and applications of your Humminbird® product.

Contact our Customer Resource Center at **1-800-633-1468** or visit our website at **www.humminbird.com**.

The 100 Series™ Fishin' Buddy® comes in four models:

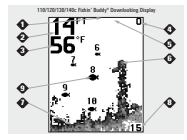
- **110 Fishin' Buddy®** - Downlooking Sonar, 150 V x 128 H Display
- **120 Fishin' Buddy®** - Downlooking and SideFinding™ Sonar, 240 V x 160 H Display
- **130 Fishin' Buddy®** - Downlooking and SideFinding™ Sonar, 320 V x 240 H Display
- **140c Fishin' Buddy®** - Downlooking and SideFinding™ Sonar, Transflective Color 320 V x 240 H Display.

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 for the sonar to react. You are responsible to operate the boat at very slow speeds if you suspect shallow water or submerged objects.*

WARNING! *Remove the Fishin' Buddy® from the mounting bracket support arm-stay when the boat is traveling. Use the Fishin' Buddy® or trolling speed only. Traveling at high speed with the Fishin' Buddy® attached can cause damage to this device.*

CAUTION: *Do not handle the bottom of the transducer while it is transmitting sonar. Prolonged contact with the transducer element can cause physical discomfort or minor tissue damage.*

CAUTION: *Do not over-tighten the C-clamp. Turning the C-clamp knob more than recommended may cause permanent damage. See the instructions for Attaching the Fishin' Buddy® Mounting Bracket to the Boat.*



1. *Water Surface Line*
2. *Depth - Measured at the Transducer*
3. *Temperature*
4. *Upper Range*
5. *Surface Clutter*
6. *Structure*
7. *Bottom Contour*
8. *Lower Range*
9. *Mid-Viz Shaded Fish Symbol*

What You See on the SideFinding™ Display

Cone - The transducer cone graph on the screen represents the area in which the 100 Series™ Fishin' Buddy® is searching for fish.

Fish - The symbols displayed in the graph shows where the Fishin' Buddy® has marked fish. Even though a fish may quickly move out of the transducer beam, all fish symbols are displayed for at least five seconds. The symbol does not indicate the size of the fish.

2. Installing the Batteries

Use this procedure to install the batteries and attach the battery cap (including gasket). The Fishin' Buddy® requires six alkaline "AA" size batteries (not included) for operation.

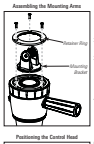
CAUTION: *Always remove discharged batteries promptly and before periods of storage to prevent potential damage due to battery acid leakage. Failure to do so may void your warranty.*

1. Remove the battery cap from the battery well if needed.
2. Place fresh batteries in the battery pack, using the diagram inside the battery pack itself as a guide.
3. Screw the battery cap onto the battery well, making certain the gasket is present and positioned correctly. **Hand tighten only!**

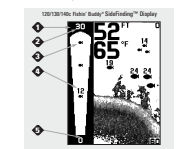
3. Attaching the Control Head to the Fishin' Buddy®

Use this procedure to attach the control head to the top of the battery cap (once you have replaced/installed the batteries).

You will need to assemble the control head mounting bracket as part of this procedure.

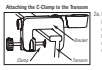


Distance to closest Fish - Two sets of numbers are shown in the SideFinder™ view. The smaller number shown inside the SideFinder™ cone and above the closest fish symbol indicates the distance to the closest fish. The larger numbers at the top and bottom of the view are the range of the SideFinder™ beam.



1. *SideFinder™ Window/Transducer Cone Graph*
2. *SideFinder™ Range*
3. *SideFinder™ Beam Fish Symbol*
4. *Distance to Closest Fish in SideFinder™ Beam*
5. *SideFinder™ Beam Starting Point at Transducer*

1. Assemble the control head mounting bracket by placing the mounting bracket on top of the battery cap.
2. Place the retainer ring over the mounting bracket (see illustration).
3. Screw the three #6 machine screws (included) into the 3 holes on the top of the battery cap, and tighten them until the control head mounting bracket is secured. **Hand tighten only!**
4. Position the control head on top of the mounting bracket, positioning it so that it fits between the mounting arms, and with the display facing towards the handle (see illustration for guidance).
5. While holding the control head in place, slide the bolt provided through the mounting bracket assembly, and screw the mounting knob onto the other side, in order to hold the control head in place. **Hand tighten only!**
6. You can tilt the control head by loosening the mounting knob and tilting the control head forward or backward to suit your needs. You can also swivel the control head on the mounting bracket by grasping the control head and rotating it.

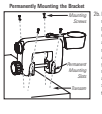


2a. If you are using C-clamp mounting, loosen the C-clamp by turning it counterclockwise and then place the bracket around the gunnel or transom, resting it on the top surface (or as far down as possible).

Tighten the C-clamp by turning the knob tightly by hand. The knob will stop turning when the clamp touches the transom. Then, turn the knob up to two full additional revolutions. If the mounting bracket is not stable after tightening by hand, try repositioning the bracket.

CAUTION: *Do not over-tighten the C-clamp. Tightening the C-clamp more than the recommended two revolutions may cause permanent damage.*

OR...



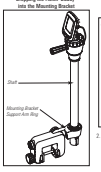
2b. If you are using the permanent mounting technique, use the four permanent mounting slots at the base of the mounting bracket as a drill guide, and drill four 7/64" pilot holes on the mounting surface you have selected. Apply a generous amount of marine-grade silicone sealant to the holes, then re-position the mounting bracket, and attach it to the boat using #10 wood screws or bolts (not included). **Hand tighten only!**

6. Mounting the Fishin' Buddy®

Use this procedure to mount the Fishin' Buddy®.

NOTE: *When mounted, the Fishin' Buddy® transducer must be positioned so that it will be submerged when the boat is in the water.*

1. Slide the Fishin' Buddy® shaft into the mounting bracket support arm ring.



2. You may need to adjust the mounting bracket support arm ring to keep the transducer on the bottom of the Fishin' Buddy® pointing straight down. Loosen the pivot adjustment knob and make the necessary adjustments.

3. If the shaft is too long, or not long enough, adjust the length by removing the Fishin' Buddy® from the mounting bracket, and unscrew the collar at the bottom of the shaft until it allows the shaft to telescope. Adjust the length of the shaft as needed, then tighten the screw collar once more. Re-mount the Fishin' Buddy® to the mounting bracket.

NOTE: *Only the 130 and 140c Fishin' Buddy® units have adjustable mounting shafts. The 110 and 120 Fishin' Buddy® units have a fixed shaft length.*

Press the power button and start fishing!

The Fishin' Buddy® is designed to run automatically with just a press of the power button. To get the most out of your Fishin' Buddy®, read the next section on functions and features.

Powering ON and OFF

Press and release the POWER-MENU key to power the Fishin' Buddy® on. Press and hold the POWER-MENU key until the unit shuts down to power off.

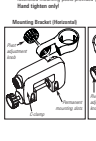
When the Fishin' Buddy® powers on, the Start-Up menu temporarily appears. From this menu, select either Start-Up, Simulator, or Setup.

- Use Start-Up for on the water use.
- Use Simulator for learning how to use the system with simulated sonar data; access Simulator by pressing the Right Arrow Key once.
- Use Setup to display additional set-up menu choices; access Setup by pressing the Right Arrow Key twice (See ***Setup Menu*** for more information).

4. Connecting the Cables to the Control Head

Use this procedure to attach the transducer and power cables on the battery well to the keyed connectors on the back of the control head.

Connect the Cables to the Control Head



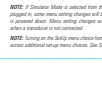
1. Attach the transducer and power cables from the battery well to the control head, using the keyed connectors on the back of the control head (see illustration).

NOTE: *The transducer and power cables are already permanently attached to the battery well.*

5. Assembling and Attaching the Fishin' Buddy® Mounting Bracket to the Boat

Use this procedure to assemble the Fishin' Buddy® mounting bracket, then attach it to the boat in the desired mounting location, either by using the C-clamps on the mounting bracket as a temporary mount, or by using the permanent mounting slots on the bottom of the mounting bracket to screw or bolt it to the boat.

NOTE: *C-clamp mounting is the most versatile and portable way to mount the Fishin' Buddy® to your boat.*



The Menu System

A simple menu system allows you to access your Fishin' Buddy® adjustable settings. To activate the menu system, press the POWER-MENU key. Press the POWER-MENU key repeatedly to display the Fishin' Buddy® menu settings, one at a time. When a menu setting is on the display, use the RIGHT and LEFT Arrow keys to adjust the menu setting. Menu settings are saved and removed from the screen automatically after several seconds. In Normal operating mode, most menu settings saved to memory will not return to their default values when the unit is turned off. See individual menu choices for more information.

NOTE: *Each time the POWER-MENU key is pressed, the backlight momentarily illuminates for easy viewing at night. Adjust the LIGHT menu setting to keep the backlight on.*

NOTE: *If Simulator Mode is selected from the Start-Up Menu and a transducer is plugged in, some menu setting changes will be saved in memory even after the unit is powered down. Menu setting changes will not be saved from Simulator Mode when a transducer is not connected.*

NOTE: *Turning on the Set-Up menu choice from the Main Menu System allows you to access additional set-up menu choices. See Set-Up Menu for more information.*

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NOTE: *Turning on the Set-Up menu choice from the Main Menu System allows you to access additional set-up menu choices. See Set-Up Menu for more information.*

Light

(Setting Not Saved in Memory)

Press the POWER-MENU key until LIGHT appears. Use the backlight for night fishing. Select either 0 (Off), or 1 through 5 to activate the backlight at the desired level. (0 to 5, Default = 0)

NOTE: *Continuous backlight operation will significantly decrease the battery life for the Fishin' Buddy®.*

Sensitivity

(Setting Saved in Memory)

Press the POWER-MENU key until SENSITIVITY appears. Sensitivity controls how much detail is shown on the display. Increasing the sensitivity shows more sonar returns from small bottom and suspended debris in the water; however, the display may become too cluttered. When operating in very clear water or greater depths, increased sensitivity shows weaker returns that may be of interest. Decreasing the sensitivity eliminates the clutter from the display that is sometimes present in murky or muddy water. If Sensitivity is adjusted too low, the display may not show many sonar returns that could be fish. (0 – 10, Default = 5)

NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Depth Range

(Setting Not Saved in Memory)

Press the POWER-MENU key until DEPTH RANGE appears. Automatic is the default setting. When in automatic, the lower range will be adjusted by the unit to follow the bottom. (Auto, 15, 30, 60, 120, 240. Default = Auto)

NOTE: *In manual operation, if the depth is greater than the depth range setting, the bottom will not be visible on the display. Select AUTO to return to automatic operation.*

NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Zoom

(Setting Not Saved in Memory)

Press the POWER-MENU key until ZOOM appears. Select Auto to magnify the area around the bottom in order to reveal fish and structure close to the bottom that may not be visible during normal operation. When ZOOM is set to Auto, the upper and lower Depth Ranges are automatically adjusted to keep the area above and below the bottom on the display. Select Off to return to normal operation. (Off, Auto, Manual Range, Default = Off)

There is also a series of manual ranges which can be selected. The manual depth ranges are determined by the present depth conditions, and are displayed in increments of 1, based on current depth conditions.

NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Chart Speed

(Setting Saved in Memory)

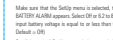
Press the POWER-MENU key until CHART SPEED appears. Select a setting from 1-5 to increase or decrease the rate at which the sonar information moves across the chart sheet, and consequently the amount of detail shown. A faster speed shows more information and is preferred by many anglers. A slower speed the sonar information moves across the display quickly. A slower speed keeps the information on the display longer, but the bottom and fish details become compressed and may be difficult to interpret. (1 to 5, Default = 5)

NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Fish Alarm

(Setting Saved in Memory)

Press the POWER-MENU key until FISH ALARM appears. Select Off for no fish alarm, or one of the following symbols to set the alarm. An alarm will sound when the Fishin' Buddy® detects fish that correspond to the alarm setting. Fish Alarm will only sound if Fish ID+ is also set to On. (Off, Large, Large/Medium, All. Default = Off)



NOTE: *This menu item only affects the Downlooking Sonar Beam.*

NOTE: *Pro Fish Alarm will only sound for fish detected in the Downlooking Sonar Beam.*

Depth Alarm

(Setting Not Saved in Memory)

Press the POWER-MENU key until DEPTH ALARM appears. Select OFF for no Depth Alarm, or select 3 to 99 feet to set the alarm depth. An audible alarm sounds when the depth is equal to or less than the setting. (Off, 3 to 99 feet, Default = Off)

NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Filter

(Setting Saved in Memory)

Press the POWER-MENU key until FILTER appears. Select either Off or On. Filter adjusts the sonar filter to limit interference on the display from sources such as your boat engine, turbulence, or other sonar devices. (On, Off, Default = Off)

NOTE: *This menu choice only affects the Downlooking Sonar Beam.*

Set Up Menu

(Setting Not Saved in Memory)

Press the POWER-MENU key until Set-Up appears. Select either Off or On. (Off, On. Default = Off)

When you choose Set-Up, additional menu choices will become available that are not a part of the Main Menu system. After selecting Set-Up, press the POWER-MENU key to display the Set-Up menu choices, one at a time. Set-Up Menu choices include:

- Contrast
- Fish ID+™
- Bottom View
- Battery Alarm
- Language (International only)
- Units (International only)

Scroll through all Set-Up menu choices to exit the Set-Up menu.

Contrast (SetUp Menu)

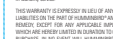
(Setting Saved in Memory; Menu is only Available on Monochrome Models)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until CONTRAST appears. Select a setting from 1 through 5. (1 to 5, Default = 3)

Scroll through all SetUp menu choices to exit the SetUp menu.

NOTE: *The Contrast Menu is only available on Monochrome models.*

Fish ID+™ (SetUp Menu)



(Setting Saved in Memory)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until FISH ID+™ appears. Select either Off to view "see" sonar returns or On to view Fish symbols. Fish ID+™ uses advanced signal processing to interpret sonar returns, and will display a Fish Symbol when any selective requirements are met. A select number of possible fish returns will be displayed with their associated depth. (On, Off. Default = On)

Scroll through all SetUp menu choices to exit the SetUp menu.

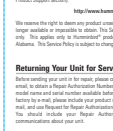
NOTE: *This menu item only affects the Downlooking Sonar Beam.*

Bottom View (SetUp Menu)

(Setting Saved in Memory)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until BOTTOM VIEW appears. Bottom View selects the method used to represent the bottom and structure on the display (Monochrome Model Menu Choices: Structure ID, Black, WhiteLine, Inverse, Default = Inverse) (Color Model Menu Choices: Structure ID, WhiteLine, Default = Structure ID)

Scroll through all SetUp menu choices to exit the SetUp menu.



Structure ID represents weak returns as light pixels and strong returns as dark pixels. This has the benefit of ensuring that strong returns will be clearly visible on the display.

Black (Bottom Black) displays all pixels below the bottom contour as black, regardless of signal strength. This has the benefit of providing a high contrast between the bottom and other sonar returns on the display.

NOTE: *Not available on Color Models.*

WhiteLine® highlights the strongest sonar returns in white resulting in a distinctive outline. This has the benefit of clearly defining the bottom on the display.

Inverse is a method where weak returns are shown with dark pixels and strong returns with light pixels. This has the benefit of ensuring that weak signals will be clearly visible on the display.

NOTE: *Not available on Color Models.*

Battery Alarm (SetUp Menu)

(Setting Saved in Memory, International only)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until BATTERY ALARM appears. Select Off or 6.2 to 8.3 Volts. Battery Alarm sounds when the input battery voltage is equal to or less than the menu setting. (Off, 6.2 to 8.3 Volts, Default = Off)

Scroll through all SetUp menu choices to exit the SetUp menu.

Language (SetUp Menu)

(Setting Saved in Memory, International only)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until LANGUAGE appears (International Units only). LANGUAGE selects the display language for menus. (Settings vary, Default = English)

Scroll through all SetUp menu choices to exit the SetUp menu.

Units (SetUp Menu)

(Setting Saved in Memory, International only)

Make sure that the SetUp menu is selected, then press the POWER-MENU key until UNITS appears (International Units only). UNITS selects the units of measure. (Feet/F, Meters/C, Fathoms/C. Default = Meters/C, where F stands for Fahrenheit and C stands for Celsius)

Scroll through all SetUp menu choices to exit the SetUp menu.

SideFinder™

(Setting Saved in Memory, Downlooking and SideFinding™ Sonar Units only)

Press the POWER-MENU key until SIDEFINDER appears. Select either OFF or ON to display the SideFinder™ window on the screen (Off, On. Default = Off)

SideFinder™ Range

(Setting Saved in Memory, Downlooking and SideFinding™ Sonar Units only)

Press the POWER-MENU key until SIDEFINDER RANGE appears. Select the desired range for the SideFinder® beam. (30, 60, 90, 120, Default = 30)

SideFinder™ Filter

(Setting Saved in Memory, Downlooking and SideFinding™ Sonar Units only)

Press the POWER-MENU key until SIDEFINDER FILTER appears. The sidefinder filter is used to reduce false markings from submerged objects like pier poles and submerged branches. The filter is best used around docks and other shoreline structures where false markings might occur. In most situations, and especially in open water, the best performance is obtained with the filter turned off. Select either Off or On (Off, On. Default = Off)

Maintenance

Your Fishin' Buddy® is designed to provide years of trouble-free operation with virtually no maintenance. Follow these simple procedures to ensure your Fishin' Buddy® continues to deliver top performance.

If the unit comes into contact with salt spray, wipe the affected surfaces with a cloth dampened in fresh water.

Do not use a chemical glass cleaner on the lens - this may cause cracking in the lens.

When cleaning the LCD protective lens, use a chamois and non-abrasive, mild cleanser. Do not wipe while dirt or grease is on the lens. Be careful to avoid scratching the lens.

If your transducer remains in the water for long periods of time, marine growth can reduce the effectiveness of the transducer. Periodically clean the face of the transducer with liquid detergent.

Troubleshooting

Do not attempt to repair the Fishin' Buddy® yourself. There are no user-serviceable parts inside, and special tools and techniques are required for assembly to ensure the waterproof integrity of the housing. Repairs should be performed only by authorized Humminbird® technicians.

Many requests for repair received by Humminbird® involve units that do not actually need repair. These units are returned "no problem found." If you have a problem with your Fishin' Buddy®, use the following troubleshooting guide before calling the Customer Resource Center or sending your unit in for repair.

1. **Nothing happens when I turn the unit on.**
   Check the power cable connection at both ends. Check the power connection to the Fishin' Buddy®. It is possible to force the power cable connector into the cable holder incorrectly. If the connector is reversed, the unit will not work. Examine the contacts on the back of the unit to ensure there is no corrosion. Check the unit's batteries; try changing the batteries.
2. **There is no transducer detected.**
   The Fishin' Buddy® has the ability to detect and identify that a transducer is connected. When powering on, if a message indicates "transducer not connected", make sure that an appropriate transducer connector is plugged into the unit. In addition, inspect the transducer for breaks, kinks, or cuts in the outer casing of the cable. Also make sure that the transducer is fully submerged in water. If none of these actions identifies an obvious problem, the transducer itself is probably at fault. Be sure to include the transducer if returning the unit for repair.
3. **There is no bottom reading visible on the display.**
   In very deep water, it may be necessary to increase the sensitivity setting manually to maintain a graphic depiction of the bottom. The bottom may also be lost if the receiver is overloaded. Reduce the sensitivity setting manually to maintain a bottom reading. Be sure to include the transducer if returning the unit for repair.
4. **When in very shallow water, I get gaps in the bottom reading and inconsistent digital depth indication.**
   The Fishin' Buddy® will work reliably in water 2 feet (60 cm) or deeper. Remember that the depth is measured from the transducer, not from the surface of the water.
5. **The display begins to fade out. Images are not as sharp as normal.**
   Try adjusting the contrast setting on the Monochrome Models. If this does not help, replace the batteries.
6. **The display shows many black dots.**
   You are seeing noise or interference caused by one of several sources. Noise can be caused by electronic devices. Turn off any nearby electronics and see if the problem goes away. Noise can also be caused by the engine. If engine noise is causing the interference, the problem will intensify at higher RPMs. Increase the engine speed with the boat stationary to isolate this cause. Propeller cavitation can also appear as noise on the display. If the transducer is mounted too close to the propeller, the turbulence generated can interfere with the sonar signal. Make sure that the transducer is mounted at least 10" (260 mm) from the propeller.

International Purchases

A separate warranty is provided by international distributors for units purchased outside the United States. This warranty is available by your local distributor and the distributor maintains local service for your unit. Warranties are only valid in the area of intended distribution. Units purchased in the United States or Canada must be returned to our factory in the United States for service.

1-Year Limited Warranty

We warrant the original retail purchaser that products made by Humminbird® have been manufactured free from defects in materials and workmanship. This warranty is effective for one year from the date of original retail purchase. Humminbird® products found to be defective and covered by this warranty will be replaced or repaired free of charge at Humminbird® option and returned to the customer freight prepaid. Humminbird® sole responsibility under this warranty is limited to the repair or replacement of a product that has been deemed defective by Humminbird®. Humminbird® is not responsible for charges connected with the removal of such product or reinstallation of replaced or repaired parts.

This warranty does not apply to a product that has been:

- Improperly installed,
- Used in an installation other than that recommended in the product installation and operation instructions,
- Damaged or has failed because of an accident or abnormal operation,
- Repaired or modified by entities other than Humminbird®.

Please retain your original receipt as a proof of the purchase date. This will be required for in-warranty service.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, OBLIGATIONS OR LIABILITIES ON THE PART OF HUMMINBIRD® AND WILL BE THE CUSTOMER'S EXCLUSIVE REMEDY. EXCEPT FOR ANY APPLICABLE IMPLIED WARRANTIES UNDER STATE LAW WHICH ARE HEREBY LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. IN NO EVENT WILL HUMMINBIRD® BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY RELATING TO THE PRODUCTS.

Some states do not allow limitations on an implied warranty, or the exclusion of incidental or consequential damages, so the above exclusions may not apply to you. You may also have other rights, which vary from state to state.

Humminbird® Service Policy

Even though you'll probably never need to take advantage of our incredible service policy, it's good to know that we back our products this confidently. We do it because you deserve the best. We will make every effort to repair your unit within three business days from the receipt of your unit at our factory. This does not include shipping time to and from our factory. Units received on Friday are typically shipped by the following Wednesday, units received Monday are typically shipped by Thursday, etc.

All repair work is performed by factory-trained technicians to meet exacting factory specifications. Factory-serviced units go through the same rigorous testing and quality control inspections as new production units.

After the original warranty period, a standard flat rate service charge will be assessed for each repair (physical damage and missing parts are not included). Any repairs made after the original warranty will be warranted for an additional 90 days after service has been performed by our factory technicians. You can contact our Customer Resource Center or visit our website to verify the flat rate repair fee for your product (visit the Product Support section).

http://www.humminbird.com

We reserve the right to deem any product unserviceable when replacement parts are no longer available or impossible to obtain. This Service Policy is valid in the United States only. This applies only to Humminbird® products returned to our factory in Eufaula, Alabama. This Service Policy is subject to change without notice.

Returning Your Unit for Service

Before sending your unit in for repair, please contact the factory, either by phone or by email, to obtain a Repair Authorization Number for your unit. Please have your product model name and serial number available before calling the factory. If you contact the factory by e-mail, please include your product model name and serial number in the e-mail, and use Request for Repair Authorization Number for your e-mail subject header. You should include your Repair Authorization Number in all subsequent communications about your unit.

For IN-WARRANTY service, complete the following steps:

- Obtain a Repair Authorization Number from the Humminbird® Customer Resource Center.
- Tag product with your name, street address, phone number and your assigned Repair Authorization Number.
- Include a brief written description of the problem.
- Include a copy of your receipt (to show proof date of purchase).
- Return product freight prepaid to Humminbird®, using an insured carrier with delivery confirmation.

For OUT-OF-WARRANTY service, complete the following steps:

- Obtain a Repair Authorization Number from the Humminbird® Customer Resource Center.
- Tag product with your name, street address, phone number and your assigned Repair Authorization Number.
- Include a brief written description of the problem.
- Include a check or credit card number and expiration date, money order or personal check made out to cash.
- Return product freight prepaid to Humminbird®, using an insured carrier with delivery confirmation.

Contact Humminbird®

Your Humminbird® accessory is designed for trouble-free operation and is backed by a one-year warranty. If you have any questions, contact our Humminbird® Customer Resource Center:

By Telephone
(Monday – Friday 8:00 a.m. to 4:30 p.m. Central Standard Time)

1-800-633-1468

By e-mail
(typically we respond to your e-mail within three business days)

csservice@johnsonoutdoors.com

For direct shipping, our address is:

Humminbird
Service Department
678 Humminbird Lane
Eufaula, AL 36027 USA

HUMMINBIRD.

SPECIFICATIONS

Depth Capability	..240 ft (73 m)
Power Output	..1000 Watts (Peak-To-Peak)
Operating Frequency	
110 Fishin' Buddy®	..200 kHz Downlooking Sonar
120/130/140c Fishin' Buddy®	..200 kHz / 455 kHz Downlooking and SideFinding™ Sonar
Area of Coverage	
Downlooking Beam (All Models)	..54° Of -10 dB at 200 kHz
SideFinding™ (120/130/140c Fishin' Buddy® models only)	..10° Of -10 dB at 455 kHz
LCD Matrix	..160 V x 128 H (110 Fishin' Buddy®)
	240 V x 160 H (120 Fishin' Buddy®)
	320 V x 240 H (130 Fishin' Buddy®)
	320 V x 240 H Transflective Color (140c Fishin' Buddy®)
Target Separation	..2 1/2 Inches (63.5 mm)
110/120/130/140c Fishin' Buddy® Control Head Dimensions:	
	..4.25" Wide x 5.36" High x 2.73" Deep
110/120 Fishin' Buddy® Dimensions:	..4.25" Wide x 23.55" High x 13.75" Deep
110/120 Fishin' Buddy® Shaft Length:	..24"
130/140c Fishin' Buddy® Dimensions, with Shaft Extended:	
	..4.25" Wide x 49.55" High x 13.75" Deep
130/140c Fishin' Buddy® Shaft Length:	..24" – 48"
Battery Life (Backlight Off):	
110/120/130 Fishin' Buddy®	..30 hours
140c Fishin' Buddy®	..16 hours
Power Requirement	..6 AA Alkaline Batteries

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