

DEPTHTRAX EDGE BOAT MOUNT DEPTH FINDER DISPLAY INSTALLATION AND OPERATION INSTRUCTIONS

This manual covers the installation and operation the DepthTrax® Edge™ (DT3BX) depth finder display. Refer to the instructions supplied with the transducer for transducer testing and installation. Additional resources are available at support.norcrossmarine.com. To ensure safety and many years of trouble-free operation of your product, please read this manual carefully before using this product.

SAFETY INFORMATION:

Periodically wipe the face with a dry cloth. Do not use abrasives or solvents on this device. Only qualified personnel should perform repairs or servicing not covered in this manual. The LCD used in the product is made of glass. Therefore, it can break when the product is dropped or impacted.

Keep this product away from heat sources such as radiators, heaters, stoves and other heat generating sources. Do not store in extreme temperatures above 150° F (65° C). Shade the LCD during storage. Do not expose LCD to direct sunlight for extended periods of time.

NOTES, NOTICES, AND CAUTIONS



WARNING: Indicates a potential for property damage, personal injury or death.



IMPORTANT: Indicates potential damage to the device and tells you how to avoid it.



NOTICE: Indicates important information that helps you make better use of the device and tells you how to correct a performance problem.



INFORMATION: Indicates resources to obtain the proper information to help you make the most of your device.

INFORMATION:



Read this manual completely before attempting to use or install your device. Visit our Customer Service Center on our website for advanced troubleshooting and technical support.

WARNING:



This depth sounder should not be used as a navigational aid to prevent grounding, boat damage, or personal injury. Always operate the boat at slow speeds in unfamiliar water, or if you suspect shallow water or submerged objects.

PARTS SUPPLIED IN PACKAGING

The following parts should be included with the display:

- Digital Depth Sounder Display
- White, Black & Silver Faces and Bezels (*optional on some models, see package for details*)
- Thick Dash Extension Rod (*optional on some models, see package for details*)
- Flush Mount Bracket and Hardware
- Display Power Harness and Waterproof Fuse Holder Attached to the Unit

NOTICE:



Refer to the manual supplied with the transducer for transducer parts list.

If any items are missing or damaged, please contact our customer service department.

SELECTING THE PROPER TRANSDUCER INSTALLATION

If you think that the included transducer is not suitable for your installation, return to the place of purchase and exchange it for the correct transducer. You can also visit our Customer Service Center at www.hawkeyelectronics.com to contact us or to complete a transducer exchange request to exchange the transducer for one that is specialized for your vessel. You may also email us at support@norcross-outdoors.com to inquire about exchanging the transducer.

INSTALLING THE DISPLAY

Tools & Supplies Required for Installation

- Electric Drill
- 2" Hole Saw
- Wire Connectors Suitable for Connecting the Power Wire to Your Vessel
- Wire Cutting/Crimping Tool
- Marine Sealant/Caulk

STEP 1

Installing the Display

1. Find a location on the boat that will allow clear viewing of the display. Keep in mind that the wires for the transducer and power must reach the mounting location.

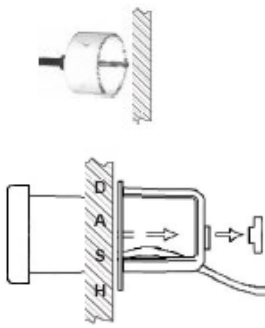
2. After finding the right location, mark a 2-inch hole. (If your boat has a pre-cut hole in the dash panel, simply remove the hole plug and proceed to Step 5.)

IMPORTANT:

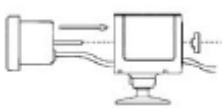


Check behind the desired cutting area for wires, switches, etc. that may be damaged during cutting. If these obstructions are present, use masking tape to hold them out of the way during cutting.

3. Cut out the 2-inch hole using the 2" hole saw.
4. Seal any exposed wood with a marine sealant.
5. Insert the display from the front of the panel, feed the wires through the bracket and install the bracket and locking nut from the rear of the panel. Make sure that the face of the display is rotated upright and aligned to your satisfaction for easy viewing from the vessel's helm.



NOTICE:

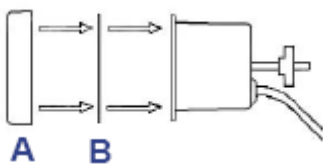


The display can also be surface mounted using the Adjustable Surface Mount Bracket (P/N: ACC-DF-1000). Please visit our website or contact us by phone for purchase information. You must attach the extension rod to the mounting stud on the back of the display housing before inserting the display into the Surface Mount Bracket.

STEP 2

Installing the Face and Bezel

1. Place the face (B) over the display making sure to line up the cut outs on the face with the notches on the display.
2. While holding the bezel (A), place it over the display and turn clockwise until the bezel locks into place.



NOTICE:



Gold and Chrome Bezels can be purchased on our website to match your factory dash or give your depth finder a custom look.

STEP 3

Connecting of the Power Cable

The display has no ON/OFF switch. Therefore, you will need to connect the power harness to a power source that will turn the unit on as power is applied. The key switch or an ON/OFF power switch will be suitable for powering the unit.

1. Connect the BLACK wire in the harness to a negative (-) terminal or suitable ground.
2. Connect the RED wire in the harness to a positive (+) 12 Volt switchable power source (*key switch, on/off switch, terminal block, etc*).



NOTICE:



Never use “Twist-On” or “Automotive” type connectors. These connectors do not form a solid electrical connection and are more likely to corrode.

STEP 4

Air Temperature Sensor

Mount the air temperature sensor in a shaded, well-ventilated location away from engine heat and direct sunlight.

STEP 5

Testing the Display Installation

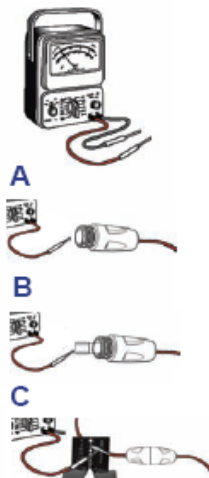
Before continuing with your installation, you should test the unit to make sure the power wires are properly attached.

1. Apply power to the unit by turning on the power source that you’ve attached the red and black wires to.
2. The buzzer should beep three times while the display illuminates the HawkEye logo for 3 seconds. It will then display the last used display mode

If the display operates as per #2 above, continue to the “Basic Operation” section.

If the display does not turn ON:

1. Check the power source using a test light or DC volt meter. Make sure there is 12 volt power where the



power harness connects to both the positive and negative sources.

2. Check the fuse holder assembly with a test light or DC volt meter. Connect the ground for the test meter or light to the vessel's negative power source.
3. Remove the fuse and check for 12 volt power at the spring located inside the fuse housing that is connected to the vessel's power source. If 12 volt power is present continue to the next step. If power is not present, return to Step 1.
4. Insert the fuse and check for 12 volt power at the end of the fuse. If 12 volt power is present continue to Step C. If power is not present, replace the fuse.
5. Reassemble the fuse housing. Strip back a quarter of an inch of wire cover on the display side of the fuse housing and test for 12 volt power. If 12 volt power is present continue to Step 2.D. If power is not present, replace the fuse housing assembly.
6. Visit our Customer Service Center on our website for advanced technical support.

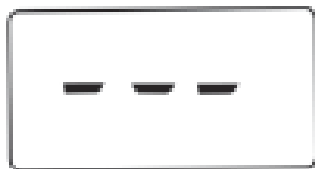
NOTICE:



The fuse used in the depth finder is a .25A, 250V fuse. Do not rely on a visual inspection of the fuse to determine if it is functioning. If your depth sounder will not turn on, ALWAYS test the fuse with a test light or voltage meter.

GETTING TO KNOW YOUR DIGITAL DEPTH SOUNDER

The unit's auto-ranging, auto-sensitivity features means that you never have to worry about adjustments. Simply turn the power on, and you're ready to go. The Depth Sounder emits sound signals that travel through water, and then calculates the amount of time that elapsed while the signal traveled down to the bottom and returned back to the transducer. This time is calculated by the microprocessor and displayed as a depth reading. Extremely dirty water, very soft bottom, high speeds, deep water, or a combination of the above will result in incomplete or inaccurate readings. Under these conditions variable readings or "- - -" will be displayed.



NOTICE:



This depth sounder has a non-volatile memory. ALL settings will be stored when the power is turned OFF.

The unit is operated using two rubber programming buttons:

- UP Arrow (▲)
- DOWN Arrow (▼)

In menus, the arrows scroll and change settings.

DISPLAY MODE SELECTION

There are 9 display modes available. Use the arrow buttons to scroll through modes.

- Depth
- VDR (Virtual Depth Readout)
- Water Temp
- VTR (Virtual Temp Readout)
- Air Temp
- Depth & Water Temp
- Water Temp & Air Temp
- Voltage
- App Download QR Code

SETTINGS / MENU OPERATION

To access the settings menu: navigate to the SET display mode, then PRESS & RELEASE both buttons.

How to Use the Menu

- To access a setting: PRESS & RELEASE both buttons
- To view a setting: Press UP or DOWN
- To adjust a setting: PRESS & RELEASE both buttons
- To save and go back: PRESS & RELEASE both buttons
- To exit: PRESS & RELEASE both buttons, or wait 30 seconds (auto-exit)

NOTICE:



The last accessed setting is the first shown when opening the menu.

Adjustable Settings (Summary)

- Depth Alarm – Shallow
- Depth Alarm – Deep
- Water Temp Alarm – High
- Water Temp Alarm – Low
- Air Temp Alarm – High
- Air Temp Alarm – Low
- Units of Measure: Ft/°F or M/°C
- Keel Offset

- Brightness: 1–10
- Display Theme: Day / Overcast / Night / Stealth / High Contrast

DISPLAY THEMES

The DepthTrax Edge provides multiple display themes optimized for different conditions:

- DAY: white background / black text
- OVERCAST: light blue background / navy text
- NIGHT: black background / red text
- STEALTH: dark gray background / green text
- HIGH CONTRAST: yellow background / black text

ALARMS

Alarms provide audible/visual warning when thresholds are exceeded.

KEEL OFFSET

The Keel Offset feature is used to adjust the depth readings displayed by the device to compensate for the depth of the water required for your vessel to operate safe (*typically referred to as your vessel's "Draft"*)



For Example: If your boat's draft is 3 feet, the Keel Offset feature should be set to 3 feet. The device will then subtract 3 feet from the actual depth reading and display this figure as the depth. If the water depth is 5 feet and the Keel Offset is set to 3 feet, the depth will be displayed as 2 feet, indicating to the operator that there is 2 feet of safe operating water.

The maximum Keel Offset setting is 20 FT (6.1 M), and can be set in .1 (*1/10th*) Feet or Meter increments. The unit will read "---" when a negative value occurs due to the Keel Offset subtraction.

WARNING:



If you are unsure of the Draft of your vessel, please consult with the vessel's manufacturer before setting the Keel Offset. An improper Keel Offset setting can cause accidentally grounding of the vessel and may cause severe damage to the vessel and its passengers.

DEPTHTRAX PLUS APP / BLUETOOTH OPERATION

The DepthTrax Edge supports Bluetooth connectivity, allowing SONAR readings to be viewed in the DepthTrax PLUS App.

- Compatible with iOS and Android devices.
- The free version provides access to Data Sonar Mode.
- The paid version allows you to adjust device settings within the app and unlock advanced SONAR readings and features.

To download the app, scan the QR Code below:



INSTALLING THE TRANSDUCER

IMPORTANT:



Install and test the display in the desired mounting location before attempting the transducer installation.

IMPORTANT:



Refer to the instructions supplied with the transducer for transducer testing and installation. Additional resources are available at support.norcrossmarine.com.

TROUBLESHOOTING AND FREQUENTLY ASKED QUESTIONS

24-Hour Technical Support is available online at hawkeyeelectronics.com. Search our online Knowledgebase for the latest troubleshooting and FAQ's, or post your own question for our support staff. For one-on-one support please email customerservice@norcrossmarine.com.

INFORMATION:



If you have questions about this device please visit our Customer Service Center on our website at support.norcrossmarine.com

Warranty Details • Warranty Registration

Troubleshooting • Product Knowledgebase

Product Specifications • Parts & Accessories

www.hawkeyeelectronics.com

Sonar Cross Talk:

If you experience incorrect depth readings on your Digital Depth Sounder display, but nothing on another fish finder screen on the same boat (*or vice versa*) then you are experiencing sonar cross-talk interference. The only real solution is to move the transducers further away from each other. This can help keep the transducer cones from intersecting, but because cones get wider as the depth increases, the problem can not usually be completely solved by position only. Changing one of the sounders to another model that runs on a different frequency will solve the problem.

Using A Non-Standard Transducer:

You may be able to use a transducer that is currently installed in your watercraft or a specialized transducer. You need to be sure that the transducer runs on 200 Khz and is able to put out 250 watts of transmitting power. If you are unsure of the specifications, please contact the manufacturer. If you need to attach a non-standard transducer to the Digital Depth Sounder display, order part # 8000-90 from our website. Strip back the rubber cable cover 1" (28 mm) exposing the three internal wires (*blue, white, and bare*) on your transducer. Using a soldering iron, solder the blue, white and bare wires from the 8000-90 extension cable to the corresponding wires on your transducer. Using electrical tape, or heat shrink tubing make certain that the soldered connections are completely sealed and protected against accidental electrical interference and corrosion. Cutting the plug off the Digital Depth Sounder display will void the warranty.

Poor Performance:

If you are not happy with the performance of your depth sounder, please visit our support website at support.norcrossmarine.com or email support@norcross-outdoors.com for technical support. Rest assured that this depth sounder is engineered to the highest standards and is part of the best-selling family of depth sounders in the world. It is highly likely that your dissatisfaction is due to improper installation and/or setup and our technical support resources can get your system working properly.

REPLACEMENT PARTS

Individual components are not available for sale on our website. If you need replacement parts, please email our customer service department.

WARRANTY

This device is covered by a 2 Year Limited Warranty. To be eligible for warranty coverage, you must register your product within 15 days of purchase. Visit our website for warranty details and to register.

To Activate Your Warranty:

Read and print out a copy of the warranty details for your records.

Complete the registration form our website.

Make a copy of your original purchase receipt and staple it to this manual. *(You will need to present it in the rare occurrence that you need to send your product in for service.)*

Complete the information below and store this manual in a safe place. *(You can print additional copies of this manual from our website.)*

INFORMATION:



To aid in maintenance and service, record the following:

Date of Purchase: _____

Place of Purchase: _____

Date of Online Warranty Registration: _____

Production Date Code: _____ *(4 digit code located on the device housing)*

LEGAL

INFORMATION:



MADE IN CHINA, Designed and Supported in the USA. Tested to comply with FCC, CE & ROHS standards if applicable. Visit our website for compliance and warranty information. All Specifications and Prices Subject to Change Without Notice.

NorCross Outdoors
support.norcrossmarine.com
support@norcross-outdoors.com
www.norcross-outdoors.com

V4916

WARNING:



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NOTES

For detailed information, please scan the QR code.

FRONT

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Install the Transducer



TRAINING VIDEOS

Scan the QR codes below to access our video tutorials that will show you step by step how to transom mount your transducer. Won't work on your boat? Try the Transducer Exchange Program. You can also visit our support site and click on the "TRAINING VIDEOS" link in the middle of the page or search for "Exchange".

Transom Mounting



Transducer Exchange Program



support.norcross-outdoors.com

Quick Start Guide

DepthTrax[®] EDGE

BOAT MOUNT DEPTH FINDER



BACK

1

Read the User's Guide



Scan the QR Code to download the User's Guide. You can also visit support.norcross-outdoors.com and click on "MANUALS" in the middle of the page. The manual is listed as "DepthTrax Edge".

2

Install the Display



Scan the QR Code to watch a video tutorial with step by step instructions on how to install and operate the depth finder display. You can also visit our support site and click on the "TRAINING VIDEOS" link in the middle of the page.

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

ISED Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, Including interference that may cause undesired operation of the device. This equipment complies with Innovation, Science and Economic Development Canada's radiation exposure limits set forth for an uncontrolled environment.

L' émetteur/r écepteur exempt de licence contenu dans le pr é sent appareil est conforme aux CNR d' Innovation, Sciences et D é veloppement é conomique Canada applicables aux appareils radio exempts de licence. L' exploitation est autoris é e aux deux conditions suivantes :

1. L' appareil ne doit pas produire de brouillage;
2. L' appareil doit accepter tout brouillage radio é lectrique subi, m ê me si le brouillage est susceptible d' en compromettre le fonctionnement.

ISED Radiation Exposure Statement

To maintain compliance with ISED's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Afin de respecter les directives d'ISED en mati è re d'exposition aux radiofr é quences, cet é quipement doit ê tre install é et utilis é en maintenant une distance minimale de 20 cm entre l'antenne et votre corps. Utilisez uniquement l'antenne fournie.