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USER MANUAL



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Overview

This product is especially designed for amateur and professional fishermen alike, to find out the location of fish, plus the depth and bottom contours of bodies of water.

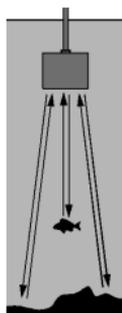
Using amazing and innovative technology, this fish finder is the ideal tool to bring the fish to you!

The unit can be used in oceans, rivers or lakes and is fantastic for detecting schools of fish in any particular area.

How Sonar Works

Sonar technology is based on sound waves.

The system uses sonar to locate and define structure, bottom contour and composition, as well depth directly below the transducer.

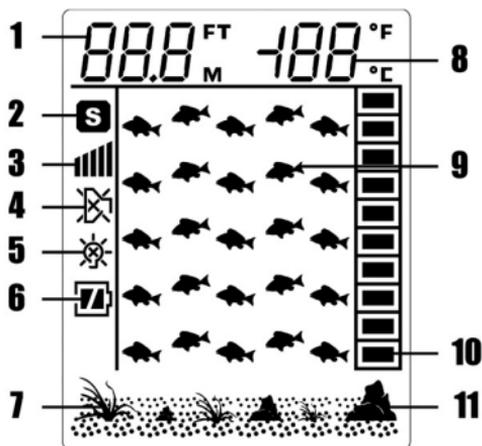


The transducer sends a sound wave signal and determines distance by measuring the time between the transmission of the sound wave and when the sound wave is reflected off an object; then it uses the reflected signal to interpret location, size, and composition of an object.

Product Specification

Display Type:	2.4" TN/anti-UV LCD
Backlighting :	White LED
Depth Range Max:	328ft (100M)
Depth Range Min:	2ft (0.6M)
Sonar Frequency:	200 KHz
Power Input:	4-AAA Alkaline Batteries
Audible Alarms:	Fish/Low Battery
Operational Temp.:	-20 — 70°C
Weed and Rock Indicator:	Yes
Water Temperature Indicator:	Yes

Display View



- 1 Water Depth
- 2 Simulator Indicator
- 3 Sensitivity Indicator
- 4 Fish Alarm On/Off
- 5 Backlight On/Off
- 6 Battery Strength Indicator
- 7 Weed Indicator
- 8 Water Temperature
- 9 Fish Location Indicator
- 10 Fish Depth Indicator
- 11 Rock Indicator

Installing the Batteries

When you first use the Fish Finder you will need to install the batteries. Slide the Battery door and insert 4 "AAA" batteries to the battery compartment.



Be certain to align the batteries as per the diagram within the battery compartment.

Connecting the Transducer Cable

Align the plug of the transducer cable with the socket on the back of the unit, right twist the cap to lock the plug.

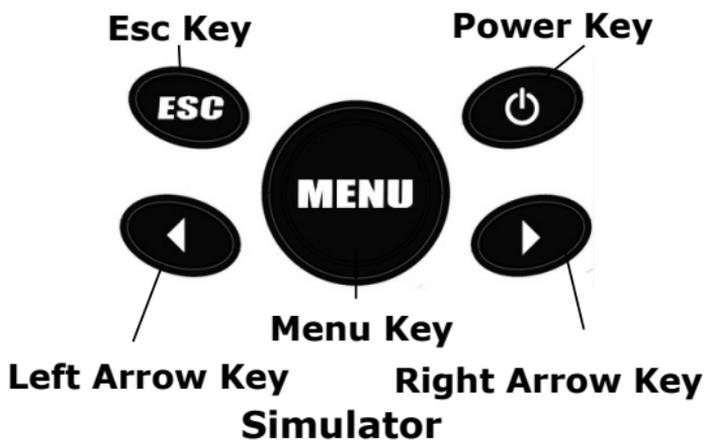


Power On/Off

Press and release Power key to power the unit On.

Press and hold Power key until the unit shuts down to power Off.

Automatic power off feature: The display will shut off automatically when the depth display reads "---" continuously for 5 minutes.



To enter the simulation mode hold the Power key down for 5 seconds while the power is off.

Release the Power key once the display turns on.

The unit is now in Simulation mode and must be turned off to enter normal operation.

Accessing Menu Features

A simple menu system accesses unit's adjustable features.



Sensitivity Indicator



Fish Alarm Indicator



Backlight Indicator



Depth Unit Indicator



Temperature Unit Indicator

Press Menu Key and release, the "Sensitivity Indicator" will blink, press the right or left arrow keys to adjust the menu settings; then pressing the Menu key again and again, the "Alarms Indicator" "Backlight Indicator" "Depth Unit Indicator" "Temperature Unit Indicator" will blink from the current feature to be set.

Press ESC key to exit the menu settings.

Sensitivity

 **Sensitivity 5 (highest)**

 **Sensitivity 4**

 **Sensitivity 3**

 **Sensitivity 2**

 **Sensitivity 1 (lowest)**

There are 5-user Selectable sensitivity settings to choose from.

The sensitivity can be enhanced in dirty or deep water. The sensitivity can be lowered in shallow water.

The function allows the detection methods to be more accurate.

Fish Alarm

 **Fish Alarm Off**

 **Fish Alarm On**

Select Fish Alarm Off for no fish alarm.

Select Fish Alarm On to set the alarm.

An alarm will sound when the fish finder detects fish that correspond to the alarm setting.

Backlight (Fishing at Night)

Backlight is illuminated all the time when backlight feature is ON.

This feature will greatly reduce the battery life of the unit.

The backlight should only be used during low light conditions. The backlight will illuminate for 3 seconds whenever a key is pressed when the backlight feature is set to off.

Unit

Press Menu Key until the "Depth Unit and Temperature Unit Indicator" blinks, press the right or left arrow keys to select the depth unit and Temperature Unit. (FT/°F or M/°C)

Fish and Depth Readout

Reading Depth



The depth readout on the top left, will appear after the power is turned On and the transducer is placed in water.

The depth meter will indicate "---" if the depth exceeds the unit sonar range.

NOTE:

The "---" reading may also occur if the water is extremely dirty, or where there is heavy silt or extremely soft muddy seabed.

Sonar is a sound signal that travels through water. Sonar will not travel through air.

Keep this in mind when using the fish finder, as the smallest bubble between the sonar sensor and the water, will cause the unit not to operate correctly.

Reading Temperature

The temperature readout on the top right, will appear after the power is turned On and correctly connect to the plug of the transducer.

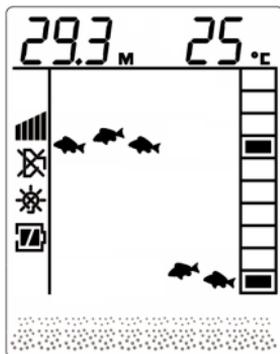


25.0 °C

Fish Indicators

If the fish finder determines that sonar has detected a fish, the display will show a fish shaped icon.

The first column of fish indicators on the right of the display shows the most current information.



This column is then moved to the left as a new reading is displayed.

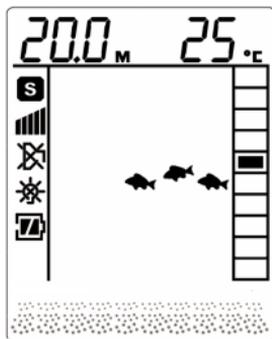
NOTE:

The fish indicators move away from the right to the left at a constant speed.

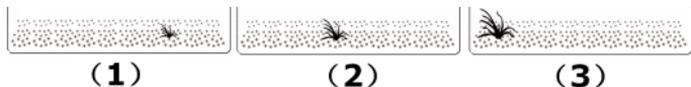
This motion in no way reflects the actual movement of the fish.

Use the fish Depth Indicator to measure the fish's depth from the sonar sensor. This can be done by dividing the depth reading by 10. This number represents the value of each box.

(For example, the depth is 20m, the fish symbol appears in the 5th box from the top. This means the fish is 10m from the surface.)

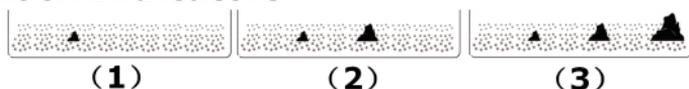


Weed Indicators



- The display indicates the presence of short weeds by turning on the smallest Weed indicator (1).
- Moderately tall weeds are depicted by turning on the medium Weed indicators (2).
- Tall weeds are depicted by turning on the largest Weed indicator (3).

Rock Indicators



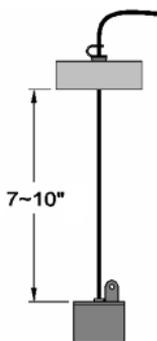
- One Small Rock Indicators identifies limited structure. (1). You would most likely find a small rock, a small pile of rocks, or uneven bottom contour. This is not a bad place for hiding fish, but due to the limited amount of structure, there may not be a lot.
- One Medium Rocks Indicators identifies a considerable amount of bottom structure, but scattered (2). A considerable amount of time needs to be spent fishing in this area as each piece of structure could be hiding a prize catch.
- One Big Rocks Indicators indicates a large amount of bottom structure in a confined area (3). This bottom may consist of a large rock(s), stump(s), tree(s), or a ledge(s).

Floating Transducer

Fixing the Transducer

1 Pull out the rubber stopper, adjust float so that it is 18 to 25 cm from the sensor, or at your desired depth. Replace the rubber stopper by pressing it firmly into the float.

The Sensor float must be adjusted so that it is a minimum of 7 inches away from the sensor.



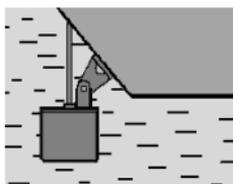
2 Toss the sonar sensor and float assembly into water at your desired fishing location.

To toss, place the sonar sensor and float in your hand, and pitch underhand. Do not throw the sensor by the cable as this will cause unreparable damage.

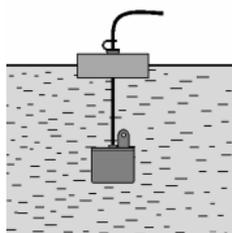
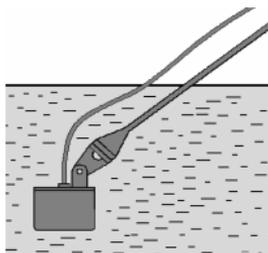
Before tossing, be certain that the cable is free from tangles and is not wrapped around anything.



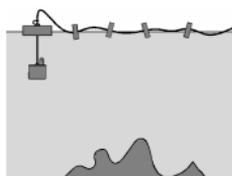
3 Your Fish Finder includes a combination adapter, mounting bracket for the sonar sensor. The Adapter includes mounting taps so that you can attach it to any flat surface or boat hull and appropriate rod, The Adapter is removable and adjustable up to 180 Degrees.



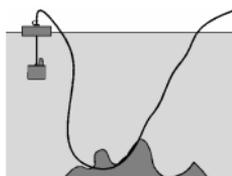
4 Use a pole to guide the sonar sensor to a desirable position or add floats on the cable to float on the water.



NOTE: *** Incorrect use: Do not allow the cable to sink to the bottom as it may become entangled in debris.



CORRECT



INCORRECT

NOTE:

*** The float can be removed as follows, if you do not need it, cutting off the rubber stopper from the cable and sliding the safety strap and the float towards the plug and gently take it out from the plug.

Fishing from a Boat

- 1** Toss the sensor and float into the water as per the previous instructions.
- 2** Attach the adapter to the boat hull using the mounting tabs.
- 3** “shoot -Through” the hull of a boat.
Place the sonar sensor in 1 inch of water against the hull bottom. Or coat the face of the sonar sensor with petroleum jelly and press it against the hull bottom with a twisting motion.

NOTE:

If depth readings appear as " ---" while using one of these methods, place the sonar sensor directly in the water to verify that the fish finder is operating properly.

If it operates properly while directly in the water, reposition the sensor in a new location in the hull, if it still doesn't work on all hulls and you may have to place the sensor directly in the water for proper operation.

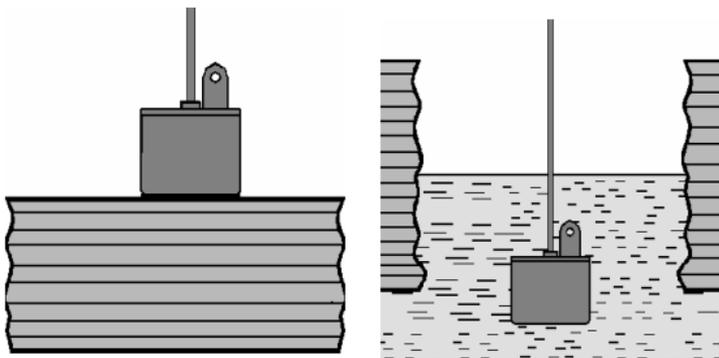
Fishing on Ice

To achieve the best performance for ice fishing, it is highly recommended that you cut a hole through the ice and place the sonar sensor directly in the water.

If you would like to check the area for depth or fish before cutting the hole.

Clear away snow to expose the ice surface, making sure the surface is smooth.

Place a small amount of liquid water on the ice and set the sonar sensor on the water allowing the unit to freeze to the ice.



If there are any air pockets between the sonar sensor and ice, or air on the water below ice, the unit will not work properly and will require you to try another spot, or cut a hole in the ice to use.

NOTE:

*** To remove the sonar sensor from the frozen ice, gently tap sonar sensor at the base with your hand. If it will not come loose, spray a small amount of water on the ice surface around the base and repeat above step until the sonar sensor is easily removed.

Never use a blunt instrument to strike the sonar sensor as this may cause damage to the sensitive internal electronics.

NOTE:

*** Cold weather is extremely hard on the electrical components within the display housing. It is suggested that you keep the unit in temperatures above 0 degrees Fahrenheit (-17 degrees Celsius) during operation.

*** Remove the batteries from the fish finder to prevent battery leakage and corrosion. Clean the sonar sensor and cable with fresh water and dry-off before storing. Do not submerge and/or spray the fish finder screen/housing with water or use chemicals to clean.

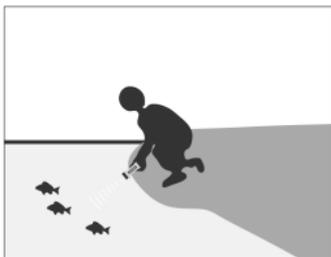
Handheld Transducer (Optional)

Side-Scan

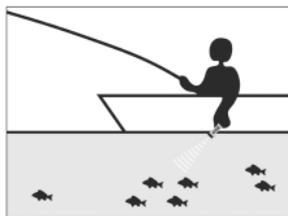
The Side-Scan Transducer has the ability to be used as a sideways scanning sonar fish finder to detect the bottom contour and fish locations.

- 1.** Connect the transducer cable to the main unit and turn power ON, select START UP mode for use.
- 2.** Place the transducer perpendicular to the water to obtain a correct depth reading.
- 3.** Move the transducer in a scanning motion (similar to use as a flashlight), and the bottom contour and fish locations will be showed on the screen.

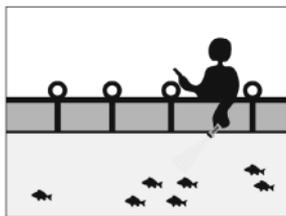
This Side-Scan Transducer can be used on a bridge, a boat, or at the shore.



ON THE SEASHORE



ON A BOAT

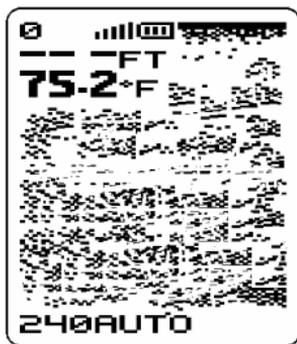


ON A BRIDGE

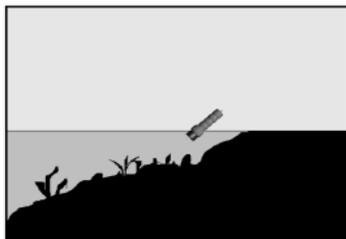
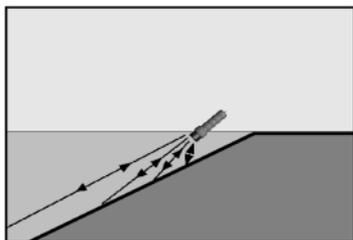
NOTE:

There may be a wrong display if you use this Side-Scan Transducer in the place like the picture below.

So you must judge the result by yourself at there position.



So you shall judge the information by yourself according to your experience in the situation of the pictures below.



Through a Boat Hull

The Unit advanced sonar capabilities allows it to "shoot through" the bottom of a boat or canoe.

The hull must be made out of solid fiberglass, or a maximum of 1/8" (3.1 mm) aluminum, and be in direct contact with the water, with no air pockets. The unit will not work thru wood, plastic, or any composite material.

- a) place the transducer in 5 inches (13 mm) of water against the hull bottom.
- b) coat the face of the transducer with petroleum jelly and press it against the hull bottom with a twisting motion.
- c) place the transducer in a plastic bag that is full of water and place against the hull bottom.

NOTE:

If depth readings appear as " ---" while using one of these methods, place the sonar sensor directly in the water to verify that the fish finder is operating properly.

If it operates properly while directly in the water, reposition the sensor in a new location in the

hull, if it still doesn't work on all hulls and you may have to place the sensor directly in the water for proper operation.

Fishing on Ice

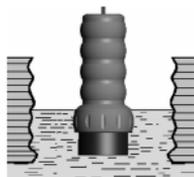
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