

1. Portable Fish Finder Operation Guide

This product is designed for the likes in fishing. The unit can be used in the river, the lake, or the sea. It can help you to find out the fish and the depth of the water. Especially, it can make you pleasure in fishing.



fig-1

.1.

NOTE: The unit must be turned off to enter normal operation from simulation mode. Automatic power off feature: The display will shut off automatically when the depth display reads "—" continuously for 5 minutes.

4.2 Function Setting

Press and hold the SET UP key for 3 seconds, the sensitivity { } indicator will blink; Press the SET UP cycle. (The indicator will blink for the current feature to be set. sensitivity { } Save { } Backlight { } Alarm { } Press the ENTER key to activate or deactivate the current feature. The screen will automatically return to normal operation after 5 seconds if no key is pressed.

4.3 Change measure units

Press and hold the SET UP and ENTER keys at the same time for more than 5 seconds, the display will flash the current units. Press SET UP key to choose M(M=meter). Press ENTER key to choose F(F=Feet). The screen will automatically return to normal operation after 5 seconds if no key is pressed.

.5.

2. Introduction to sonar theory:

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 transmission time between the transducer and the detected object. then uses the reflected signal to interpret location, size, and composition of an object.

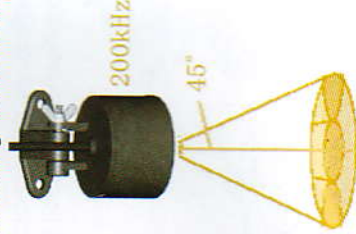


fig-2

.2.

NOTE: There are 5-user selectable sensitivity setting to choose. The sensitivity should be enhanced in dirty or deep water. The sensitivity should be lowered in shallow water. This function makes the detection more accurate. Backlight illuminated all the time when backlight feature on. This feature will greatly reduce the battery life of the unit. So it should only be used the conditions during low light. The backlight will illuminate for 3 seconds whenever a key is pressed when the backlight feature is set to Off.

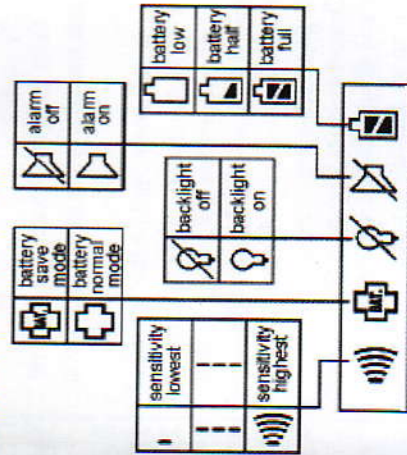


fig-5

.6.

3. Display View

1. Sensitivity Indicator
2. Battery Save On/Off
3. Fish Alarm On/Off
4. Backlight On/Off
5. Battery Strength Indicator
6. Water Depth Display
7. Fish Depth Indicator
8. Fish Location Indicator
9. Bottom Contour Detector Display
10. Weed Detector Display

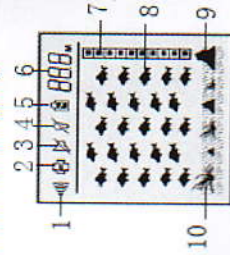


fig-3

.3.

Note: You can select SAVE mode to work when you play use long time or water quiet, in order to extend batteries use-life. The screen can be refreshed by pressing the POWER key during normal operation.

5. FISH AND DEPTH READOUT

5.1 Depth Reading

The depth readout on the top of right will appear after the power is turned on and the sonar sensor is placed in water. The depth reading will indicate "—" if depth exceeds these parameters (2.0~328 feet/0.6~100meters).

Note: This reading may also occur in water is extremely dirty, or where there are heavy silt or mud bottoms. 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 fish finder the smallest bubble between the sonar sensor and the water, will cause the unit not to operate correctly.

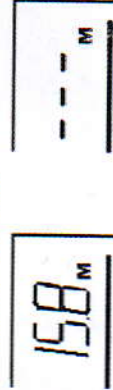


fig-6

.7.

4. Key-Press Operation And Setting

POWER - Power key turn the power On
SETUP - Function set up key
ENTER - Function affirmation key
 Slide and remove the battery door, install 4 AAA batteries. Be certain to align the batteries as per the diagram within the battery compartment.
 Close the battery door completely. Press the Power key to turn the power On, the unit enter normal mode after display all show 1 second Press and hold the Power key for 3 seconds to turn the Power Off. To enter the simulation mode: Press and hold the Power key for 5 seconds and release While the power is Off.



fig-4

.4.

5.2 Fish Show

If the fish finder determines that sonar has detected a fish, the display will show a fish shaped icon (fig-7). 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. Fish icon moved in every 5 seconds.

Note: The fish indicators move away from the right to the left at a constant speed. This motion is not reflects actual movement of the fish.

Use the fish depth indicator to measure the fish's depth from the sonar sensor (fig-8). This can be done by dividing the depth reading by 10. This number represents the value of each box. (Example, the depth is 200 FT, the fish symbol appear 5th box from the top. This means the fish is 100FT from the surface.)



fig-7

fig-8

.8.

5.3 WEED SHOW

The display indicates the presence of short weeds by turning on fig-9.

Moderately tall weeds are detected by turning on fig-10.

Tall weeds are detected by turning on fig-11.

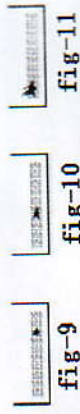


fig-9



fig-10

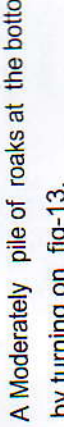


fig-11

A small pile of weeds at the bottom turning on fig-12.



fig-12

A Moderately pile of weeds at the bottom by turning on fig-13.

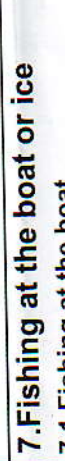


fig-13

A large pile of weeds or trees or ledges at the bottom by turning on fig-14.

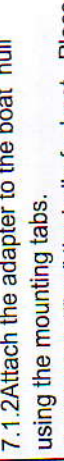


fig-14

6. Fixing Sonar Sensor

6.1 Pull out the rubber stopper, adjust float so that it is 7 to 10 inches from the sensor, or at your desired depth. Replace the rubber stopper by pressing it firmly into the float. The Sonar float must be adjusted so that it is a minimum of 7 inches away from the sensor (fig-15).

6.2 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 may cause unreparable damage. Before tossing, be sure that the cable is free from

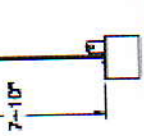


fig-15

10.

7. Fishing at the boat or ice

7.1 Fishing at the boat

7.1.1 Toss the sensor and float into the water as the previous instructions.

7.1.2 Attach the adapter to the boat hull using the mounting tabs.

7.1.3 "shoot-Thru" the hull of a boat. Place the sonar sensor with petroleum jelly, and press it against the hull bottom with a twisting motion (fig-21).

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 sonar sensor in a new location in the hull and repeat method 7.1.3.



fig-21

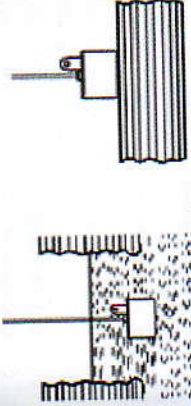


fig-22

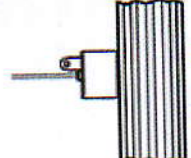


fig-23

14.

tangles and is not wrapped around anything.

6.3 Your fish finder includes a combination adapter, mounting bracket for the sonar sensor (fig-16). The adapter includes mounting tabs so that you can attach it to any flat surface or boat hull (fig-17) and appropriate rod. The adapter is removable and adjustable up to 180 degrees.

6.4 Use a pole to guide the sonar sensor to a desirable position (fig-18) or add floats on the

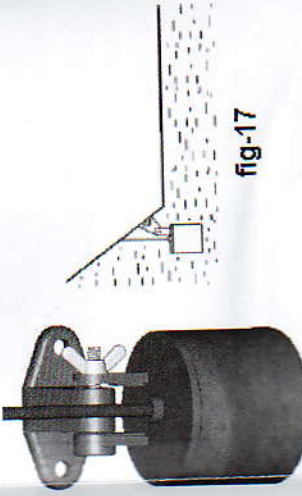


fig-16

fig-17

11.

sensor and ice, or the water below the ice, the unit will not work properly and will require to try another spot or cut a hole in the ice to use.

Note: To remove the sonar sensor from the freeze ice, tap sonar sensor gently at the base by you hand. If it will not come loose, sprinkle a small amount of water on the ice surface around the base and repeat such action until the sonar sensor is easily moved. Never use a blunt to strike the sonar sensor as this may cause damage to the sensitive internal electronics.

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 (-18 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 or spray the fish finder screen housing with water or use chemical to clean.

15.

cable to floats on the water (fig-19). Note: Incorrect to use. Do not allow the cable to sink to the bottom, it may be entangled in debris (fig-20). The float can be removed from the cable, if you find that you are not need it. Remove the rubber stopper from the cable by siding and gently pull the float out off the cable toward the plug.

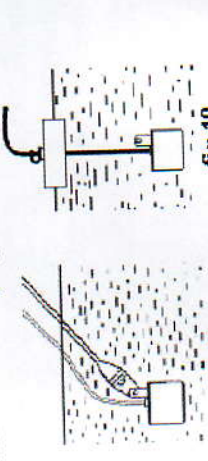


fig-18

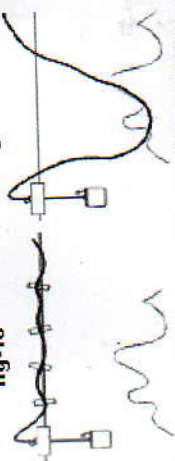


fig-19

CORRECT

fig-20

12.

8. Product specification

Display:	TN/ANTI-UV LCD
Backlighting:	Green LED
Power:	4-AAA alkaline batteries
Measure unit:	feet / meter
Sensor beam angle:	45 degrees
Depth range Max:	100M/328Feet
Depth range Min:	0.6M/2.0Feet
Operational Temperature:	(-20°C-70°C)

9. Attachments:

- 1) Round transducer with 25ft cable
- 2) Transducer adapter
- 3) Stainless Bolt
- 4) Stainless wring nut
- 5) Neck strap.
- 6) product specification

16.