1. Portable Fish Finder Operation Guide
This product is designed for the liker in fishing. The unit can be used in the river, the lake, or the sea. It can help you find out the fish and the depth of the water. Especially, it can make your pleasure in fishing.

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's read "- -" continuously for 5 minutes.

Function Setting
Press and hold the Set up key 3 seconds. The sensitivity indicator will blink; Press the SET UP cycle. The indicator will blink for the current feature to be set.

3. Display View

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

4. Key Operation And Setting
POWER - Turn on/off the power
SETUP - Function set up key
ENTER - Function affirmation key
FT/M - Depth Unit change
Install 4 AAA batteries. Be sure that the polar is per the diagram within the battery compartment. Close the battery door completely. Press the power key 1s 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 then release.

2. Introduction to sonar beams:
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 transmission time between the transducer to the detected object. Then uses the reflected signal to interpret location, size, and composition of an object.

5. Change measure units
Press and hold the FT/M key for 3 seconds, the unit will flash. You can select the unit according your need. The screen will automatically return to normal operation mode after 5 seconds if no key is pressed.

4.3 Change measure units
Press and hold the FT/M key for 3 seconds, the unit will flash. You can select the unit according your need. The screen will automatically return to normal operation mode after 5 seconds if no key is pressed.

Note: You can select SAVE mode to work when you play on 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.

6. Battery Indicator

- Battery save mode
- Battery normal mode
- Battery low
- Battery half
- Battery full

5. Reading depth
The depth readout on the top 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/0.6-100 meters).

Note: This reading may also occur in extremely dirty water, with 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. The smallest bubble between the sonar sensor and the water will cause the unit to not operate correctly.

7. Fish Location Indicator

Press and hold the Power key 1s 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 then release.

5.2 Fish Shoal
If the fish finder determines that sonar has detected a fish, the display will show a fish 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. 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 reflects 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 200 FT, the fish symbol appears in the 5th box from the top. This means the fish is 100 feet off the surface of the water.

5.3 Fish Size
This product can distinguish fish size. Fish size indication in the lower left corner of the screen. When big fish icon flashing indicates big fish, small fish icon flashing indicates small fish.
5.4 Underwater display

5.4.1 Weed show
When there is a short grass Icon, means that the water bottom has a short grass. When there is a long grass Icon, means that the water bottom has a long grass.

5.4.2 Underwater structure
Small stone icon indicate sand bottom. Medium stone icon indicate stone bottom. Big stone icon indicate roaks bottom.

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

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 together. Throw them down, you cannot throw them up. Do not throw the sensor by the cable as this will cause unrepairable damage. Before tossing, be certain that the cable is free from tangles and it is not wrapped around anything.

6.3 Your fish finder includes a combination adapter, mounting bracket for the sonar sensor. The adapter includes mounting tabs 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.

6.4 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 to use
1. Do not allow the cable to sink to the bottom as it may be entangled in debris.
2. The float can be removed as follows, if you don’t need it. Remove the rubber stopper from the cable by siding the safety strap toward the plug and gently pull it out of the plug.

7. Fishing at the boat or on ice

7.1 Fishing at the boat
7.1.1 Toss the sensor and float and into the water as mentioned before.
7.1.2 Attach the adapter to the boat hull using the mounting tabs.
7.1.3 “Shoot Through” the hull of a boat.

Place 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 into the water to verify that the fish finder is operating properly. If it operates properly while directly into the water, place the sensor in a new location. If it still does not work, you may have to place the sensor into the water for proper operation.

7.2 Fishing on ice
To achieve fishing on ice availability. It is highly suggested that you cut a hole through the ice and place the sonar sensor into the water directly. If you would like to check the area for depth or fish before cutting a hole, clear away snow to expose the ice surface. Place a little water on ice allowing the sonar sensor to freeze to the ice.

Note: 1. To remove the sonar sensor from the freeze ice, gently tap sonar sensor at the base with your hand. If it will not come loose, spray a little water on the ice surface around the base and repeat tap 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.
2. Cold weather maybe damages electronic components of the product’s display window. It is suggested that you keep the unit in the temperatures above - 4 degrees Fahrenheit (-20 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.

8. Product specification

Display: TN/ANTI-UV LCD
Backlighting: Highlight LED
Power: 4-AAA 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