User's brochure

RF fish finder

Content

Introduction:

Thank you for choosing our Fish Finder.This product is designed for the liker in fishing.The unit can be used in the river,the lake,or the sea. We offer 12 months main-tenance which any damages by non human factors; For details regarding maint-enance service, please refer to the warranty explanations.To familiarize yourself better with the product's operation and maximize the function, Please read the User's Guide carefully at first!For any possible problems you may encounter during the operation, please look for the User's Guide for reference. Or Contact with our technical staff.

Packing List:

The following items are included in see. fish:

1)A wireless remote sonar sensor

2) A handheld mainframe

3) A copy of see.fish User's Guide

Attention:
The product disassembling and maintenance are only to be performed by professionals designated by the Company. Any of the following situations can void the remainder of your warranty:
1.unauthorized disassembly or maintenance.Any damage by human;
2.Children under ten may not use the sensor without an adult's watch;
3.Throw the handheld mainframe into the water.
Installing the battery

To take off the battery cover, press and slide it according the Indicated direction.

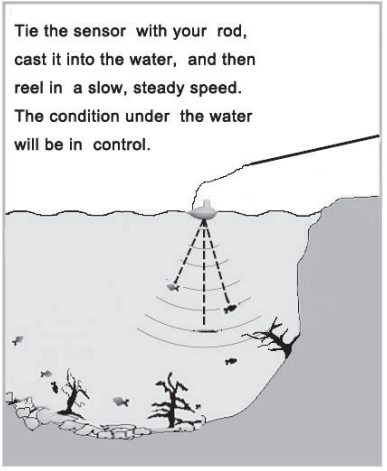
Installation steps are as follows:

1.Open the back cover of batteries.

2. Install 4 “AAA” batteries. Be certain that the batteries compartment. There are aligned as per the diagram within the battery house.

3. Slide the battery cover towards the top of the unit until it is completely closed.

Sonar Sensor Using Induction:



You can reference the map !

This product is designed with user-friendliness in mind. Attach the sensor to the fishing thread's extreme and throw them into water as you do with float and lure. After switching on the main unit's power on,you are ready to fish. Sonar technology is used in the product, the sensor transmits ultrasonic waves to the water, and the microprocessor inside the principal machine applies wireless technologies, filtering the signals fed-back. As the filtered signals have been analyzed and processed, they are illustrated on the display. Newly-detected information is displayed at the very right of the screen but disappears at the very left. Showed at the middle are sea bottom contours, water depth, fish size, and location etc.

Attention:

1. While the sensor is working, do not hold it at the bottom; otherwise, deformations may occur to the product and damage to internal structures and elements can ensue. To pick up the sensor working in water, take hold of the antenna post at the sensor's top.

2.The product is designed to work durably in normal service. However, in water areas where there are significant water level fluctuations, the sensor may be subject to collision with rocks, which will result in damages to the device. Therefore, for water areas with depth less than 2 foot (0.7m), we recommend that you avoid using the unit !

Operantion mode:

1.Sonar Graphic Mode:

Transducer renders real-time conditions at the water bottom with sonar graphic.Throw the sensor to water, drag it slowly and at stable speed, and you can view accurate information displayed on the screen, including water bottom contour, structure, depth, fish location, etc.

2. Stationary Float Mode:

Throw the sensor to water and let it undisturbed. It will float on the water surface, monitoring submarine news in a real-time method. Information will be automatically updated on

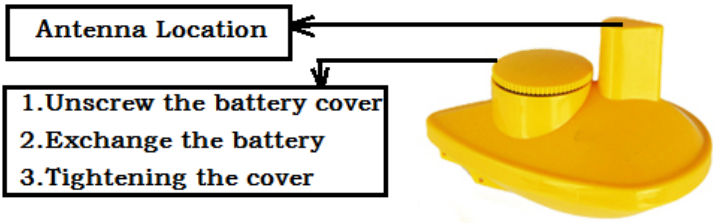
the screen once the fish enter the sensor detection area

Sonar sensor introduction :

The sonar sensor have two parts. One part is sonar ,Another is RF. Singal acquisition is depend on sonar part.Singal Communication is depend on RF part.

1. Power supply

The sonar sensor is depend on a lithium battery (CR2032) provide power.When the battery is spent out, you can exchange it. The method you can reference map.The transducer top has antenna to transmit signals.



Battery Exchange Method map

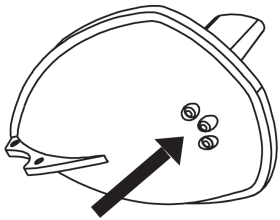
6.2 Electronic switch

The sonar sensor's bottom have three pins.It is the switch. When the sonar sensor into water,the sonar sensor will work.The switch according water's conductivity.You should store it in a dry and insulated place. If you store it in a wet or conducted place, The humidity or conductor will causing the Sonar sensor power on automatically. When you not use it, clean the sonar sensor with fresh water and dry-off before storing.

Sensor Working Theorem:

The sensor working theorem is according water conductivity! Work process is as follows;

1. When the sensor is throwed to water, once the three pins touching water, the sensor will begin working.
2. When the sensor is dropped out from the water, you can dry the remained water from pin surface, the sensor will stop working automatically.



Three pins for electronic switch

Sonar Sensor Maintenance and store:

1.Do not place the sonar sensor in a wet area when not using, the dampness may cause the sensor to turn on itself automatically.The battery will be depleted fast. Otherwise,avoid placing it on a metal board !

2.You should store it in a dry, nonmetal place !

The place is far away from any metal equipment.

3.Clean the surface with fresh water after use. Dry it before store it.

How to use the sensor:

The two holes at the see.fish front end is for tying fishing thread. If you desire to use it in the Stationary float Mode, bind the fishing hook with light threads to the second hole. However, be informed that if the sensor encounters barriers when being dragged, the fishing thread can easily break. Hence, for this practice, we advise you not to pull the thread if unnecessary, for fear that you may be unable to regain your sensor due to the broken thread.

Alternatively, in case you wish to drag the sensor as you

see fit, you may tie the first hole with another light thread, therefore preventing the failure of retrieving your sensor. See the following instruction:

Handle the sensor by the antenna post when trying to draw it out from the water

Use a thread tied to the first hole, tackled to be rotatable

Use the second hole in the Stationary float Mode, bind the fishing hook with light threads to the second hole. Be caution of not over-weight the hook line, thus will be likely to submerge the sensor, causing the signal terminate.

Note: Using light threads to tie the sensor and the fishing hook can increase likelihood of break-up.

The sensor in water is supported by natural buoyancy force (which equals its own weight plus 6.8g lure plus the weight of lead). All accessories attached to the sensor, including the hook, fishing thread, and lure etc. can not total up to 6.8g. With the sensor's weight of 38g joining, the break-down becomes very likely.

Display Interface

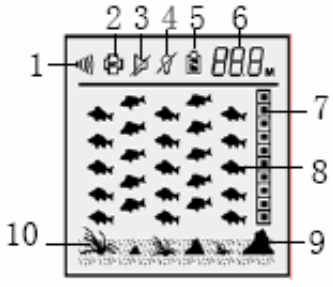


fig – 3

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

Key Operation And Setting

POWER - Power key turn the power On
SETUP/ENTER - Function selection key
ENTER - Function enter key
Slide and remove the battery door,Install 4 AAA batteries.Be certain to aline 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 nomal mode after display all show 1second 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

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 depth display reads"--" continuously for 5 minutes.

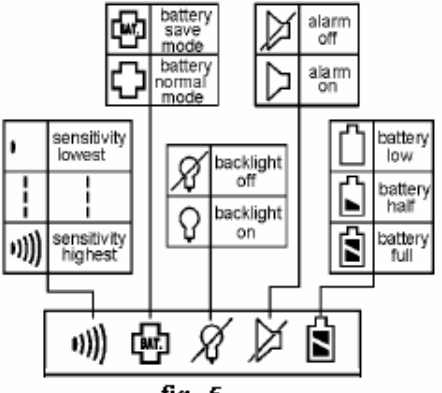
4.2 Function Setting

Press and hold the SET UP key for 3 second 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 a 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 at the same time for more than 5 seconds,the display will flash the current units setting. Press SET UP key to choose M(M=meter). ENTER key to choose Ft(F=Feet)The screen will automatically return to normal operation after 5 seconds if no key is pressed.

NOTE:There are 5-user selectable sensitivity setting to choose from.The sensitivity can be enhanced in dirty or deep water.The sensitivity can be lowered in shallow water.The function allowsthe 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 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

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.

5.FISH AND DEPTH READOUT

5.1Reading 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 meter will indicate"--" if depth exceeds these parameters (2~130 feet/ 0.6-40meters)

Note:This reading may also occur in water is extremely dirty,or where there are heavy silt or mud bottoms.Sonar is a sound sigal 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 to not operate correctly.

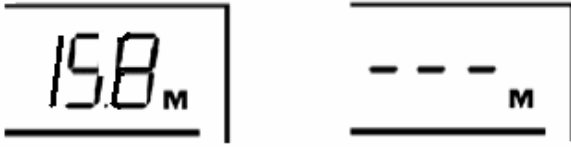


fig-6

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 in no way 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 readingby 10.This number represents the value of each box.(Example,the depth is 20 FT ,the fish symbol appear 5th box from the top.This means the fish is 10FT from the surface.

fig-7

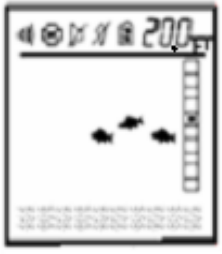


fig-8

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 sands at the bottom by turning on fig-12.
A Moderately pile of roaks at the bottom by turning on fig-13.
A large pile of roaks or trees or ledges at the bottom by turning on fig-14.


fig-12


fig-13


fig-14

Trouble shooting

You are not supposed to fix the handheld or the sensor. The product contains no customizable parts. On the other hand, the waterproof performance is enabled by unique techniques, functions of which may be disabled by unauthorized disassembly. On this account, only professional maintenance personnel properly authorized by the Company are entitled to any repair necessary.

We have been contacted frequently by our customers requesting repair service. We inspect their products and find many of them are not in need of repair: the problems occur because some customers are not very acquainted with product usage. And we are forced to label these products as “inapplicable for maintenance” and return them to the customers. Therefore, in the event of problems during product use,we invite you to read the next part (about analysis of frequently asked questions)carefully before you send the product for maintenance.

Analysis of Frequently Asked Questions:

1.If the fish finder not receive signals from the sonar sensor, the display on the screen will stop updating. Under any circumstances , if the handheld mainframe can not receives signal transmitted by the sensor or the sensor is out water for several seconds, the display will stop updating too,unless you place the sensor in water again!

2.The product has a detection depth ranging from 2 to 130 feet (0.7~40m). The depth readings may error when the water depth less than 0.7m. Considering the sonar physical characters, we suggest you avoid using the product in swimming pools or small-sized enclosed water areas.

3.Dragging the sensor too fast can lead to signal lost, thus causing the display on the screen will stop updating.

4.Check the weight of accessories attached to the sensor. If the total weight over 7.5g can submerge the sensor and cause signal loss.

5. With relatively quite water areas, see.fish is able

to obtain a 130ft(40m) remote-control distance in maximum ; with significant fluctuations on water surface, the distance may be reduced slightly. If the sensor is beyond the distance of 130ft, signals will dispear.

6.To acquire most accurate information about the sea bottom,try to drag the senor and the fishing rod slowly and at a steady speed. In case the fishing rod is too close to the water surface or the sensor tied over-weighs, the sensor may be caused to go down and principal machine is disabled to receive signals.

7.When nothing is displayed after the handheld's is power on.Be sure the battery's positive and negative poles are re aligned as per the diagram within the battery house correctly . Also, check if the battery has enough capacity.

8. The picture vibrates because the sea bottom depth being scanned is changing. Since the depth range used by

the current test signal and by the previous test signal differs, plus the varying height of the sea bed contour, pictures displayed on the screen will occupy different heights, causing the vibrating phenomenon.

The Product Maintenance:

In order for your fish finder more attractive and durable, we recommend you follow the steps below to maintenance

1. For the shell

Cleaning the product's outer case with a cloth dipped mild detergent except for the screen , and then dry it up.

2. For the Lens

Use a piece of soft cloth to clean the lens.An little of fresh water or eyeglass cleaner can be used if needed. If stubborn dirt or oil stains remaining on the screen shall not be wiped with force , not scratch the surface. This action maybe scratch the lens.

3. For storage

Never place your product in a wet or high-temperature low temperature environment.The best storage the product in an insulation and dry place. Remove the batteries before storage!

The prodct specification:

1. Display

Display: TN/ANTI-UV LCD

Display Size:38*38mm

Backlight: White LED Backlight

2. Sonar & Radio

Depth Range: 2~130ft / 0.7~40m

Wireless Operating Range : 130ft/40m

Sonar Frequency: 110KHZ

Sonar Beam Angle: 90 degree

Radio Frequency: 433.92 MHz

Depth Alarms: User Setting Arbitrary

Operational Temperature: From -20 °C ~70 °C

Units : Ft/M

Unit Dimensions:128mm*68mm*29mm

3.Power Supply:

Power1 : 4×AAA Alkaline batteries

Power2 : CR2032