RF fish finder (TL66)

SeeFish

Content

Introduction:

Thank you for choosing See.Fish Fish Finder.See.Fish 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 SEE FISH 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
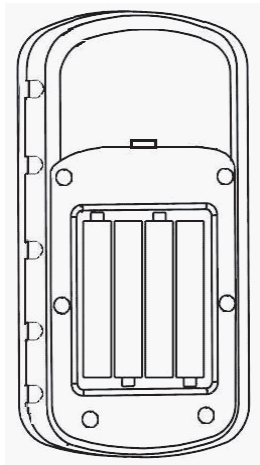
To take off the battery cover, press and slide it according the Indicated direction.
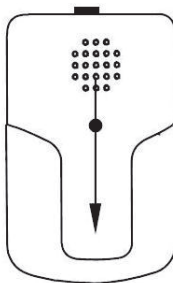
Installation steps are as follows:

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:

Tie the sensor with your rod, cast it into the water, and then reel in a slow, steady speed. The condition under the water will be in control.
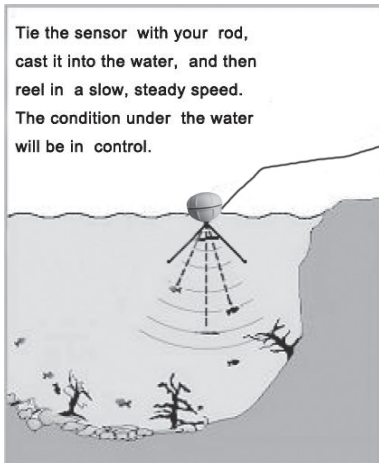
You can reference the map !

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. see.fish 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:

see.fish 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.

Antenna location

1.Unscrew the battery cover
2.Exchange the battery
3.Tightening the cover
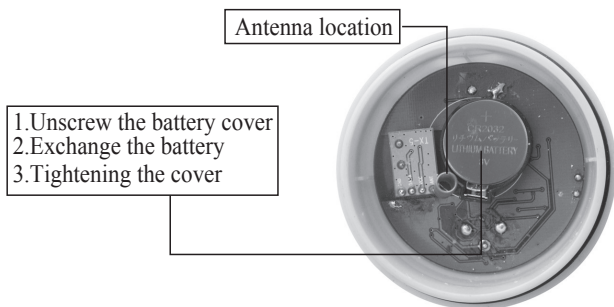
Battery exchange method map

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.
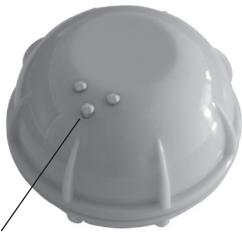
Three pins for electronic switch

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 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 barrie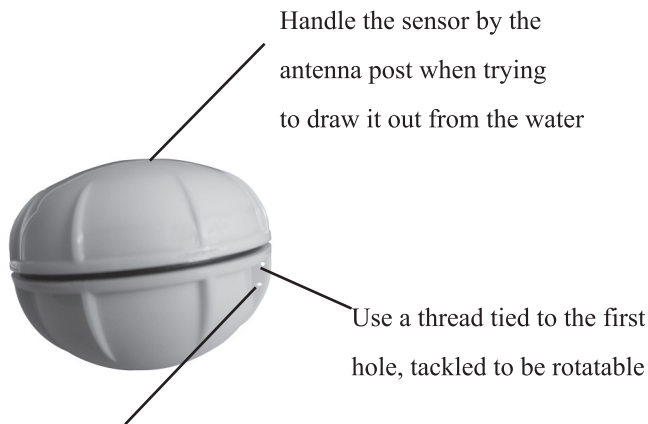rs when being dragged, the fishing thread can easily break. Hence, for this practice, we advise you not to pull the thread if unnecessary, for fear that you may be unable to regain your sensor due to the broken thread.

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
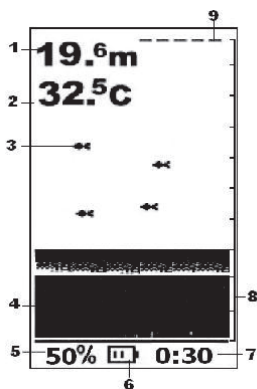
Display interface introduction

1.Water Depth Reading

2.Temperature Reading

3.Fish Icon

4.Bottom Contour

5.Sensitivity Indicator

6.Battery Strength Indicator

7.Depth Range

8.Fish Depth Guides

9.Water Surface Line

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Water surface line

The water surface line indicate the displayed position of water surface on the screen, which is very helpful for you to estimate the depth of detected fish. For example,the current depth reading is 19.6m,and the position of 1-fish icon is about 2/5 of total depth, thus the 1-fish lies on the position about(19.6*2/5=)7.8m deep from water surface.Accordingly, you could estimate the 2-fish lie about 1/2 of the A total depth, which is (19.6*1/2=)9.8m. You can calculate the fish depth through the reference line at the right of the screen easily! Underwater conditions vary greatly, so some experience is needed to get the most benefits . Use the message displayed on the screen as a helpful tools for your judgment,thus you could exert the full function .
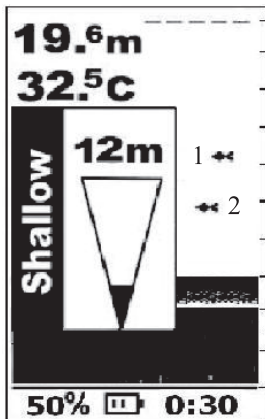
MENU KEY Introduction:
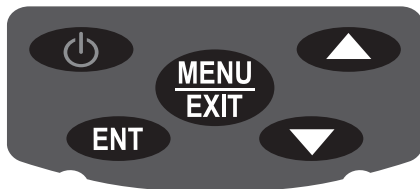
The KEY of see.fish is convenient and friendly. You can
achieve various function setting easily.

1.Power key: Power on/off the unit, Press the
Power key for 3s,then release it.

2. Ent key: Confirm a setting or
 freeze the screen.

Note: when the unit is working ,
 pressing ENT KEY will "freeze"
 the screen . Thus you can study
the underwater condition carefully

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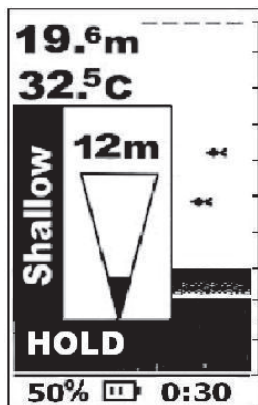
Note:when you enter into menu setting, pressing ENT KEY, you are able to change the setting then the frame line of current menu will look thicker than non-setting. As following:

non-setting   setting
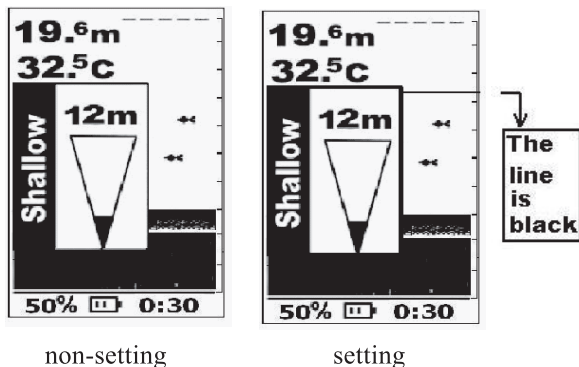
To exit the setting condition, press ENT KEY again.

3. MENU/EXIT kEY: enter or exit menu setting.

4. Up / down arrow key: to increase / decrease the setting value.

Parameter setting:

1.Sensitivity Setting

Sensitivity is indicates the intensity of sonar signal.

The unit has 10-degree sensitivity for user to select.

Normally, if you want to get more chance detecting

the fish,you can choose the higher sensitivity.User

 can select the sensitivity as you want.When the water

is shallow dirty or exist noise(made by ship's motor

etc) .You should select low sensitivity. Thus the

detection will be more accurate!

Operation : Press the MENU KEY

until sensitivity is displayed on

the screen.Press ENT KEY ,then

through UP/DOWN KEY to adjust

the sensitivity(10%~100%).
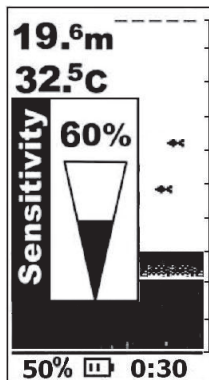
2 .Depth Alarm Setting

Depth alarm is designed for user to set a number
of depth.When test depth is shallower or equal the
depth you set, the unit will alarm.

You also could exit alarm mode by enter the Shallow menu
and artificially increase the alarm depth value to a safe
number.

Operation : Press the MENU KEY until Shallow is
displayed on the screen.Press ENT KEY ,then through
 UP/DOWN KEY to adjust the depth.
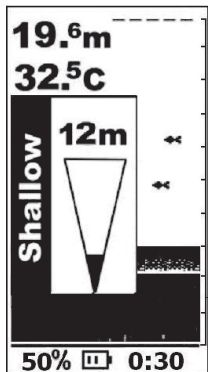
3. Depth range setting

Depth Range determine in which portion the bottom will display in the screen. (For example, if the actual depth is 5m, and the current Depth Range is 10m, then the bottom will display on 50% portion of the screen).In other words, It is the bottom curve display wide on the screen.

There are nine range(3.5.10.15.20.25.30.35.40M)for user to select.

Operation: Press the MENU KEY until Depth Range is displayed on the screen. Press ENT KEY,then through UP/DOWN KEY to adjust the depth range.
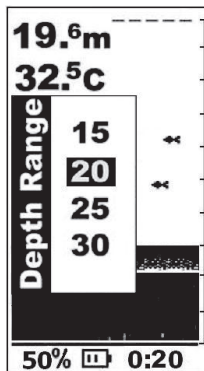
4. Fish Icon Setting

Fish Icon setting is change fish display mode.
When the fish Id is on, it will display fish icon.When the fish Id is off, It will not display fish icon, only display an arc Character indicator).

1.Fish Icon is on, a fish icon will be displayed on the screen when fish is detected.

2. Fish Icon is off, an arch will be displayed on the screen. when fish is detected.
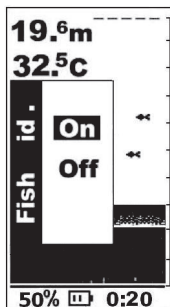

Fish Icon is On   Fish Icon is Off

Operation :Press the MENU KEY until Fish id is displayed on the screen. Press ENT KEY , then through UP/DOWN KEY to select fish id on or off.

5.Depth/Temperature Unit Setting

Depth/temperature unit setting is the switch of Depth/Temperature Unit . The unit have four combinations for consumer to select.
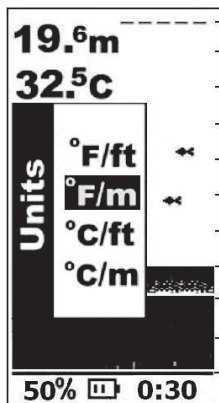
The combinations as follows:

1.Fahrenheit / Feet

2.Celsius / Feet
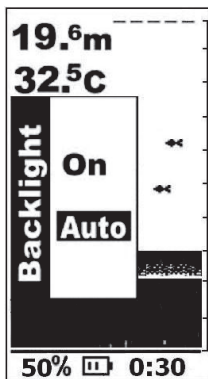
3.Fahrenheit / Meter

4.Celsius / Meter

Operation : Press the MENU KEY until Units is displayed on the screen. Press ENT KEY , then through UP/DOWN KEY to select Depth/temperature unit.

6. Backlight Setting

The unit has white LED backlight.You can use
it at night or under weak light.To extend the
battery life , please use this function only when
you really need it.

Operation : Press the MENU KEY until Backlight
is displayed on the screen. Press ENT KEY , then
through UP/DOWN KEY to select backlight on/auto.

7. LCD Contrast

Contrast is adjust the effects of LCD display.
This function can make your visual more suitable.
You can adjust the contrast as you want.The

unit's contrast adjust range is from 0~100%.
Operation : Press the MENU KEY until Contrast
is displayed on the screen. Press ENT KEY , then
through UP/DOWN KEY to adjust the contrast.
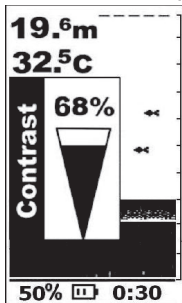
8. Restore factory settings
Restore factory settings is help user restore factory
parameter setting.When the parameter is disordered,
you can through this function recovering.
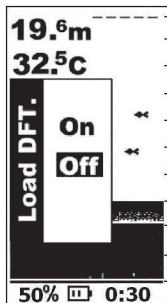Operation :Press the MENU KEY
until Load DFT is displayed on
the screen. Press ENT KEY,
then through UP/DOWN KEY
to select restore factory settings
on/off.

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.see.fish 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 size: 68*36mm FSTN LCD
Display Resolution: 128(H) x 64 (W) Dots
Display Contrast: 0~100% adjustable
Backlight: White LED Backlight
Visible under strong sunlight
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: F/ft   F/m   °C/ft   °C/m

Unit Dimensions: 133mm × 68mm × 29mm.

3.Power Supply:

Power1 : 4×AAA Alkaline batteries

Power2 : CR2032