

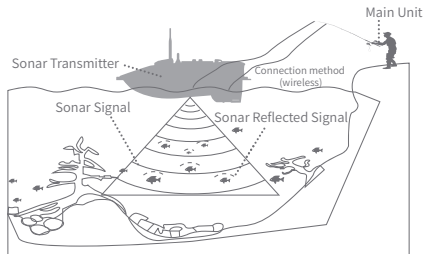
Built-in Fish Finder Instruction Manual



Please read the instruction manual carefully before use
and keep it in a safe place.

• Product Overview

The portable fish finder is suitable for fishing enthusiasts and fishermen to fish or catch fish in rivers, lakes and other places. It can easily let you judge the depth of water, the number and depth of fish or fish schools, etc. This fishfinder bait boat is designed based on the principle of radio transmission. The battery of the wireless sensor can be replaced and reused, thus avoiding the shortage of non-replaceable batteries of other products, saving users a lot of usage costs.



Mockup Of A Sonar Transmitter Usage Scenario

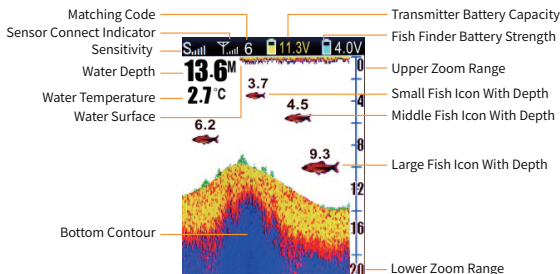
• Working Principle

Sonar technology uses the propagation and reflection of sound to determine the distance and shape of an object. This product uses this technology to directly detect and identify the fish in the water and the depth of the bottom of the water using sonar sensors.

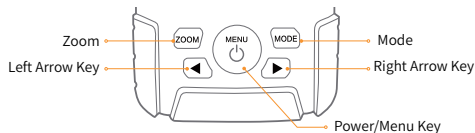
When the machine is working, the sonar sensor will send out an ultrasonic signal. When this signal encounters an underwater object, it will be reflected back, and then the host will calculate its distance and position based on the reflection time and waveform.

• Screen display and button instructions

Screen Details



Button Function



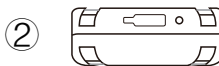
Usage Steps

Charging Method

Host charging method: USB port charging



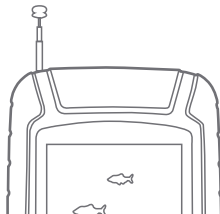
In charging state:
the charging indicator turns red



After charging is completed:
the red light goes out

Host Antenna Configuration

The red end point in the upper left corner of the host is the built-in antenna. When the signal is weak, the antenna can be pulled out to keep the signal stable.



How To Use

Power on/off: Long press the menu key () to turn on or off.

User mode: This product has two modes of use, demonstration mode and wireless mode. After long pressing the power key to turn on, you will immediately enter the user mode. Press the left and right arrow keys ( ) to switch to demonstration mode (the demonstration mode is the screen that has been set, which is convenient for users to intuitively understand the product usage effect before use) or wireless mode (wireless mode is the normal detection mode). After switching accurately, the screen stays for 3 seconds and automatically enters the detection interface.

• Function Button Analysis

After turning on the machine and selecting the user mode as wireless mode, click the menu button () to select different parameters for debugging.

LANGUAGE SELECTION: Press the arrow button ( ) to switch between different languages.

BACKLIGHT BRIGHTNESS: There are 9 levels of backlight brightness that can be adjusted. Press the arrow button ( ) to increase or decrease. The larger the number, the brighter the brightness. It can be adjusted according to personal usage habits.

REFRESH SPEED: There are 9 levels of refresh speed that can be adjusted. Press the arrow button ( ) to increase or decrease. The larger the number, the faster the screen moves. It can be adjusted according to personal usage habits (it is recommended to adjust to 3-5 levels. If there are strong winds and waves or the probe shakes violently, the refresh speed should be appropriately increased).

USER MODE: Press the left and right arrow buttons ( ) to switch between demonstration mode and wireless mode.

SENSITIVITY: There are 9 levels of sensitivity. Press the left and right arrow keys ( ) to set the value. You need to set different levels according to the actual detection depth. In principle, the deeper the depth, the higher the sensitivity. You can set 1-2 levels of sensitivity within 10 meters. (If the depth is shallow and the sensitivity is too high, it is easy to cause signal false alarms)

DEPTH LOWER LIMIT: The depth lower limit is the depth value of the bottom of the water within the detection range. It is recommended to adjust it to automatic. The system will frame the detection bottom depth range according to the actual water depth detected. Press the left and right arrow keys ( ) to set the value.

DEPTH UPPER LIMIT: The depth upper limit is the starting depth of the detection. 0 is the horizontal plane. If the value is set to 2, the signal starts to detect from 2 meters underwater. It is recommended to set it to off (that is, start detecting from the location of the probe). Press the left and right arrow keys ( ) to set the value.

DEPTH ALARM: It is generally recommended to set the depth alarm to off. Assuming that the depth alarm is set to 5, when the actual water depth is less than 5 meters, the machine will alarm "shallow depth" and cannot work, that is, the environmental water depth does not meet the setting requirements, and the machine stops working. Press the left and right arrow keys ( ) to set the value.

FISH ICON: The fish icon is generally set to on. Press the left and right arrow keys ( ) to select on/off.

FISH ALARM: Press the left and right arrow keys ( ) to select the fish alarm status in sequence: Off, Big Fish Alarm, Big Fish and Medium Fish Alarm, Big, Medium and Small Fish Alarm.

UNIT SETTING: The units are divided into depth units and temperature units. It is recommended to select M/°C (meters/degrees Celsius). The depth FT is feet and the temperature °F is Fahrenheit. Press the left and right arrow keys ( ) to select different combinations in sequence.

SONAR COLOR: The bottom color is blue, red, and gray. You can choose according to your personal color preference. Press the left and right arrow keys ( ) to select different colors in sequence. In each color display, the lighter the color, the softer the geology, and the darker the color, the harder the geology.

BATTERY ALARM: The battery alarm is the voltage set for the alarm. When the actual voltage is lower than the set value, the machine will alarm low voltage and stop working. If it is set to off, it will work until the machine power is zero and shut down. Press the left and right arrow keys ( ) to set.

FISHING MODE: There are four settings for fishing mode: normal mode, shore fishing mode, shallow water mode, and sea fishing mode. Press the arrow button (◀▶) to switch between different modes.

- Normal Mode: For general detection, excluding special scenarios, the normal mode can be used. Applicable for depths of 4-100 meters.

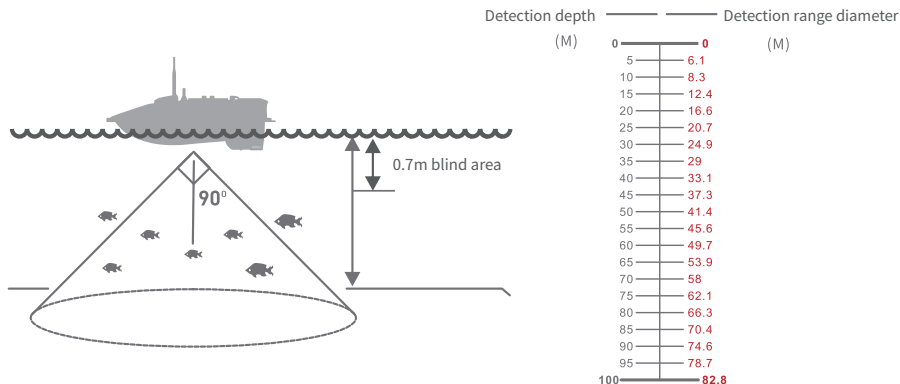
- Bank Fishing Mode: Suitable for detecting on the slopes near the banks of ponds and reservoirs. Due to the slopes, the depth can vary significantly with the movement of the probe, and the depth usually displayed is relatively shallow.

- Shallow Water Mode: Suitable for detecting in flat areas such as ponds, reservoirs, and banks within a depth of 4 meters.

- Sea fishing mode: Suitable for detecting in large seas with significant wave fluctuations, the minimum detection depth is 1.5 meters, and the sensitivity to underwater fish is low (especially in areas with reefs).

• Detection Range Diagram

Blind area, detection angle, detection range corresponding depth data:



• Notes

- ①The fish finder is a high-precision electronic product that uses sonar transmission and reflection to detect fish. Since the sonar wavelength itself is 0.7M, and the sonar signal cannot be reflected within a wavelength, it is impossible to detect fish within 0.7M. We recommend that customers use it in deeper waters. The emission angle of the probe signal is 90 degrees, so the greater the depth of use, the larger the detection range, and the chance of detecting fish will be greatly enhanced.
- ② After receiving the goods, if you test it in a smooth or hard bottom (ceramic tile, cement, glass, plastic) environment such as a water tank, fish tank, swimming pool, bucket, fish pond, fish guard, etc., the test result is actually inaccurate. Because the bottom of these environments is relatively smooth and hard, and the space is small, the signal sent by the fish finder will be strongly reflected back, which will increase the overlap and interference of the signal, resulting in the normal operation of the fish finder. Therefore, it is recommended that users use it in a large outdoor natural water environment.

Product Technical Specifications	
Display:	LCD
Backlight:	LED
Power Requirements:	3.7V lithium battery
Measurement Unit:	Imperial/Metric
Probe Frequency:	125KHZ
Probe Radiation Angle:	90 degrees
Probe Power Requirements:	3.7V lithium battery
Maximum Measurement Depth:	100 meters
Minimum Measurement Depth:	0.7 meters
Operating Temperature:	-10 degrees to 50 degrees