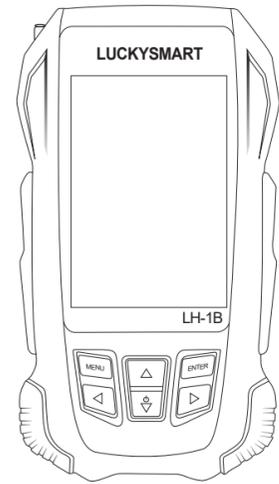
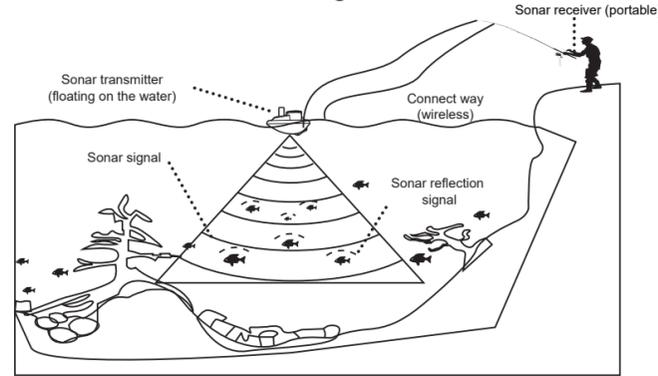


## 1. Operations manual

### LUCKYSMART® Sonar Fish Finder (PRO)

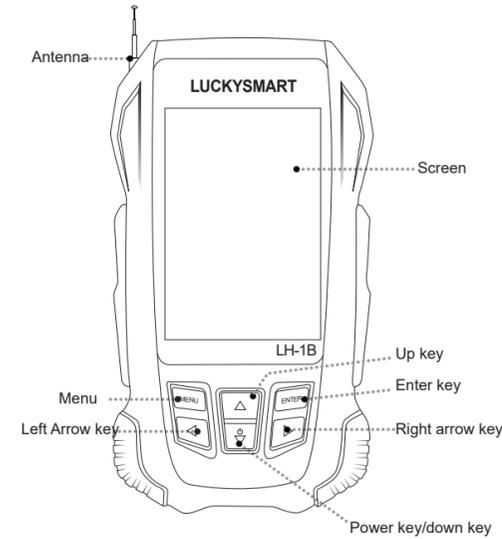


### Simulation diagram of sonar transmitter usage scene

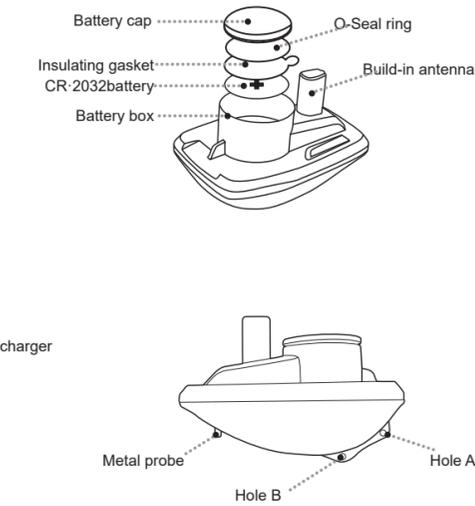


## 2. Introduce of product

### 1). Receiver



### 2). Wireless sonar sensor



## 3. Operational instructions of use

### 1) Firm the wireless sonar sensor on the fish line

#### Hint :

- The fishing line can be passed through and fastened from the A of the hole.
- It can pass the fish line through the B of the hole, use the wireless sonar sensor as floating, it is recommended to hang, no more than 30 grams.



### 2). Use of wireless sonar sensor in water

It can be cast out by using your fishing rod, but also the fishing line tied directly cast out by hands .

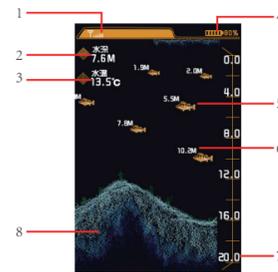


### 3). Turn on the receiver again

Click on the key (⏻) sonar receiver to turn on.



## 4. Screen reading



- Wireless signal indication: wireless signal of probe strength identification.
- Water depth: the distance from the launch point of the wireless transmitter to the bottom of the water (note that there is no reading when the water depth exceeds the maximum of detection, depending on the terrain intelligence value).
- Water temperature: The wireless transmitter has a built-in temperature sensor that detects the temperature of the water meter in the area where the transmitter is located.
- Main engine power indication: sonar receiver with lithium battery power indication identification.
- Fish icon: fish imaging generated by a fish detector based on sonar feedback .
- Fish depth: the depth of the fish finder is determined

ined by the detector based on sonar feedback.  
7). Range of detection: the depth range in which a fish detector detects underwater conditions of the fish .  
8). Underwater environment: the fish finder determines the generated underwater contour according to the feedback by the sonar signal . The darker the color, the higher the density, the harder the bottom; the lighter the color, the lower the density and the softer the bottom.

## 5. Setting of functional

### 1). Startup & Shutdown

- Click on the key of product boot, the logo interface display 3 seconds into normal detection mode.
  - Press the shutdown button to jump out of the shutdown prompt, then continue to hold down the key until the power is off.
- Note: in the function setting , no other operation in 5 seconds, the interface will automatically jump back to the sonar interface.

### 2) Working mode and demo mode switching

- Main engine is set to working mode by default, press the MENU key to enter the menu interface in the working interface, select demo mode to press the ENTER key to enter the demo mode interface.
- Press the MENU key to enter the menu interface in demo mode and press the ENTER key to enter the working interface.

### 3). Backlight brightness

Backlight brightness: that is main screen brightness.

This menu has 9 levels that level 1 is the darkest and level 9 is the brightest.

### 4). Unit setting

Unit setting: that is to set the depth and temperature of the system.

### 5). Alarm setting

① Depth alarm: depth alarm is generally used to prevent shallow alarm setting. When the actual of water depth is lower than the setting value, the fish detector will give an alarm to remind you that the currently water depth is too shallow.

② Power alarm: when the actual power is lower than the setting value, the fisherman will alert you to charge the equipment.

### 6). Power saving mode

Power saving mode: when there is no operation and fish in 3 minutes after the power saving mode is turned on, the screen brightness will be automatically extinguishes the screen. If there is a key operation or fish, it will be exit the power saving mode.

### 7). Fishing mode

- Common mode: basically all fish ponds, reservoirs and other environments can be used.
- Shallow water mode: suitable for the detection of fish ponds, reservoirs, banks and other flat part of areas above 0.7 meters and below 4 meters.
- Deep water mode :4 meters above fish ponds, reservoirs, shore and other flat environment detection.
- Slope terrain model: suitable for the detection of

large slopes on the banks of mountain ponds and reservoirs.

### 8). Refresh speed

Refresh speed: setting the frequency of sonar data sampling.

Note: the more frequently sonar data acquisition, the more accurate of the underwater situation displayed on the screen. However, amounts of data will result in a corresponding system response slowly.

### 9). Parameter adjustment

- Sonar sensitivity: that is sonar intensity. The more sensitive, there will be more sonar signals returned and displayed on the screen, and more sensitive feedback by underwater. But if the water is shallow, too higher sensitivity will also increase the reflection of too many acoustic signals, resulting in the display of the wrong signal. If the sensitivity setting is too lower in the water depth environment, it will be difficult to detect the corresponding underwater information. Operation suggestion: in the case of water depth, the sensitivity is raised; in the case of shallow water, the sensitivity is adjusted low.
- Depth range: refers to the fish situation and bottom information in the depth range displayed on the screen. When the depth range is set to automatic, the depth range will automatically display all the information from the surface to the bottom of the water with the change of the current detected depth. When the depth range data is manually set, the screen display interval will display the fish situation information in the depth range of your choice. If the current detection depth is greater than the lower depth limit

you set, the bottom outline beyond the set range will not be displayed on the screen.  
③ Fish alarm: you can choose to close the fish alarm, or choose large, medium and small fish alarm. When you only need to alarm the big fish, only set the big fish alarm. But the fish alarm function will detect the fish alarm when after opening the fish icon function.

### 10). Fish display setting

Fish icon: the fish icon function is to use advanced signal processing to identify the returned sound waves, the detected fish information is accurately displayed on the screen.  
You can choose to display a fish icon or a bow icon.

### 11). Restoring default values

Restoring default value: that is restore equipment parameters for factory settings.

## 6. Common misunderstandings and considerations

No signal or signal instability	1.The distance between the receiver and the wireless transmitter that exceeds the maximum receiving distance. 2.If there is an obstacle between the wireless transmitter and the receiver, the wireless signal will be disturbed and is recommended for use in an open environment.
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No signal or signal instability	3.The speed of mobile wireless transmitter is too faster, resulting in the unstable wireless signals. 4.Waves on the water surface cause wireless signal interruption and are recommended for use in a stable environment. It is recommended to tighten the lid and check the wireless transmitter for water intake.
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Inaccurate depth	1.Fish finder need to be used in naturally open water. 2.Wireless transmitter signal is strong, in the same area to avoid the use of other fishing detectors. 3.Check to see if the wireless transmitter is undercharged. 4.To check if there is water in the transmitter, it is recommended to tighten the lid and put it into the water. 5.Detect detection ranges. Whether the water depth is less than 0.7 m.It is recommended for use above 0.7m in water.
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No fish detected	1.No fish in current water. 2.Check that the fish icon and fish alarm are working.
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Host screen display problem	1.If the display shows large clutter, may be fishing nets by underwater, it is recommended to avoid the detection of the water. 2. If the screen shows the whole blue
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## 7. Maintenance

Follow the following steps to use and maintain will maximize the effectiveness of the use of the detector

- The wireless probe opens the lid, removes the insulating plastic sheet and power on. When it be not used, it is recommended to clip the plastic back or remove the battery.
- When used in the seawater environment, rinse the wireless probe with clear water.
- Please use soft cloth to clean the screen on the machine surface to protect the mirror surface from scratching.
- Don't place the machine under the front glass of the car or under the environment of high temperature, this will cause damage to the precision device inside the machine, and then affect the performance of the machine.

## 8. Product parameters

Maximum detection depth :147 ft/45m  
Sonar frequency :125 KHZ  
Detection angle :90°  
Signal reception distance:328 ft/100m  
Battery :3.7 V rechargeable lithium battery