Wireless Color LCD Intelligent Fish Finder

XF-08
User Manual

1.   Product Introduction

Thank you for choosing the wireless color LCD intelligent fish finder! This product is mainly an auxiliary fishing device developed and designed for fishing enthusiasts.

Please read the instructions carefully before operation.

2.   Packing list

Host:	x1	Wireless Probe:	x1
Lanyard:	x1	User manual:	x1
Mounting bracket:	x1	Antenna:	x1
Probe charging cable:	x1	Host charging cable:	x1
Mounting bracket screws: x3			

3.   Product function description
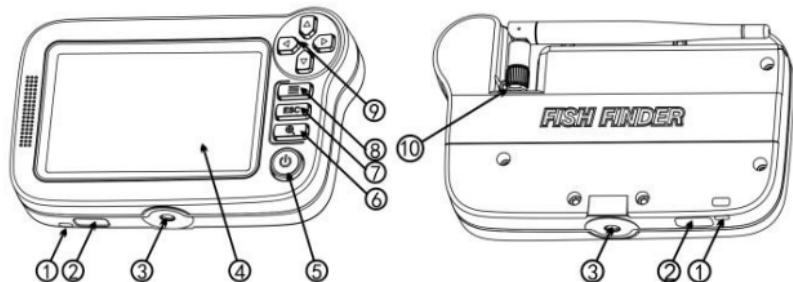
| No.	Function	No.	Function
1	Lanyard hole	6	Zoom key
2	Type-C charging port	7	Exit key
3	Bracket mounting hole	8	Menu key
4	LCD	9	Direction key
5	Power key	10	Antenna connector

4. Installation method

Assembly method:

1. Fix the mounting bracket ⑤ on the workbench/control board with bracket screws.

2. Screw the connecting screw ② into the bracket mounting hole on the bottom of the host ①.

3. Tighten the lock nut ③.

4. Adjust the orientation of the host ① and tighten the wing nut ④.

When adjusting the angle, loosen the wing nut, rotate the host to a suitable angle, and then tighten it.

No.	Function
1	Host
2	Connecting screw
3	Lock nut
4	Wing nut
5	Mounting bracket
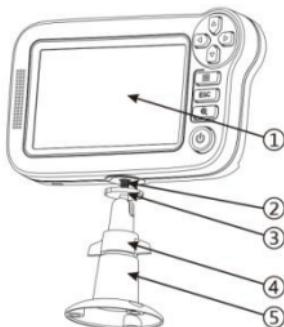
5. Host
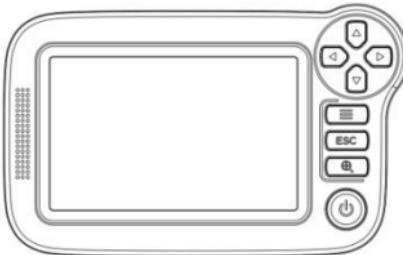
5.1. Description of the keys on the host

" ⏻ " Power on/off: Press the power button for 2S and then release it, the host will power on . Press the power button for 3 seconds and release, the host will power off.

" ☰ " Menu and confirm: It is used to call up the menu bar and confirm the menu selection.

" ESC " Return and exit: It is used to return to the main menu and exit the menu setting.

" ⊕ " Zoom button: It is used to enlarge the display screen.

Note: Not available in the data interface.

" ◀▲▼▶ " Direction key: Those direction key is composed of up, down, left, and right keys, used to select and set parameters.

5.2. Display interface description

5.2.1. Main interface display
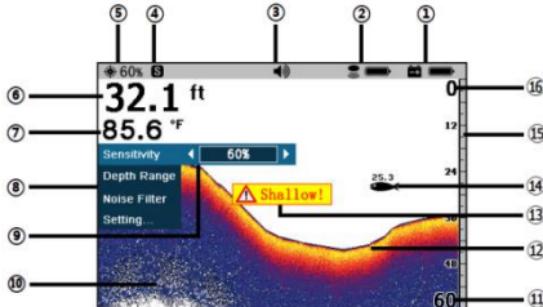
5.2.2. Digital interface display

User can press the left and right keys to select the display

1. Supply voltage to the host	9. Setting value of quick menu
2. Probe battery	10. Soft bottom display
3. Volume indication	11. Current lower limit depth
4. Simulator mode indication	12. Hard bottom display
5. Current sensitivity	13. Depth alarm prompt
6. Depth display	14. Fish icon and fish depth
7. Temperature display	15. Ruler indication
8. Quick menu	16. Current upper limit depth

interface
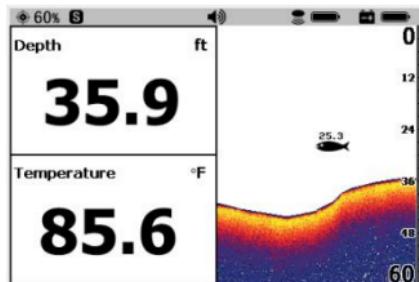
6. Wireless probe

6.1. Working principle of water switch
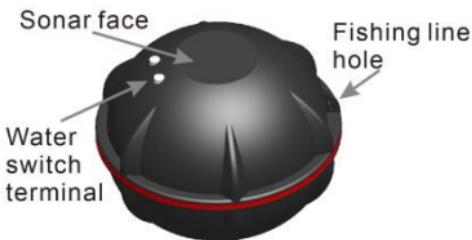
The water switch uses the conductivity of water to work, and its working principle is as follows:

a. When the probe is put into the water, there will be a weak current flowing through the water between the two terminals, the switch is turned on, the probe automatically starts to work, and the indicator light starts to flash.

b. Take the probe out of the water, dry the water on the hardware terminal of the probe, no current flows between the two terminals, the switch is turned off, the probe stops working and shuts down, and the flashing indicator light goes out.

Note: Pure water without ions has no conductivity, so the probe cannot be turned on automatically.

6.2. Charging method

When the probe battery indicator on the LCD of the host is empty, which means that the probe should stop working and need to be charged.

Unscrew the upper cover
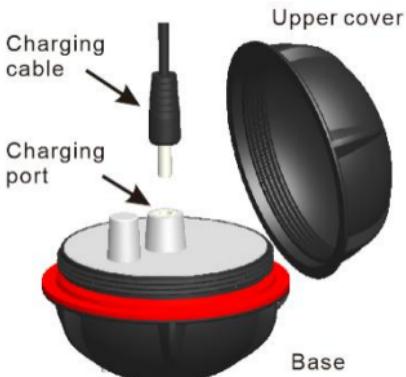
of the probe counterclockwise as shown in the figure, insert the DC terminal of the charging cable into the probe charging port, and connect the USB plug to the USB power adapter (the power adapter needs to be prepared by yourself, and 5V1A /5V1.5A/5V2A is recommended).

The indicator light (red) is always on when charging.

When fully charged, the charging indicator goes off.

Depending on the power source and current, charging may take about 2 hours.

7. Skills

7.1. The detection area

Relationship between Detection Area and Depth of Detection

Detection Depth (feet)

Detection Area (Diameter:feet)
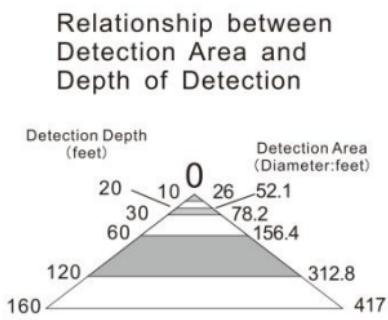
Attach the sensor to the end of the rod and put it into the water. Slowly drag the sensor to move over the water and you will see accurate underwater information from the display.
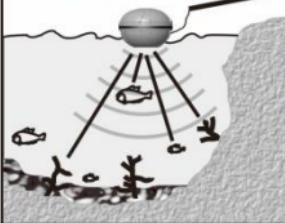
7.2. Use the rod after connecting the fishing line

Tie the probe, buoy and bait together at the end of the fishing line and drop it into the water.

7.3. Use with remote control boat

Use a remote control boat to send the probe to the fishing spot.

7.4. Real-time scanning

The fish finder can continuously scan the underwater conditions passing through the fishing point.

Put the probe into the water and slowly drag it with the fishing rod to move on the water surface. You will be able to see the bottom information (including bottom structure, depth, fish position, etc.) on the moving route from the LCD.

7.5. Fixed-point scanning mode

Put the probe into the water and let it float stably on a certain position on the water surface. It will continuously monitor the bottom of a certain range below. The bottom information will be displayed on the display. Once a fish enters the monitoring area, a fish symbol will appear on the display.

7.6. Wire binding method of wireless probe

For specific operations, refer to the following schematic diagram

When you want to take the probe out of the water, you can use the fishing line to pull it back to your side and then pick it up.

The fishing line is tied in the hole to prevent it from falling off.
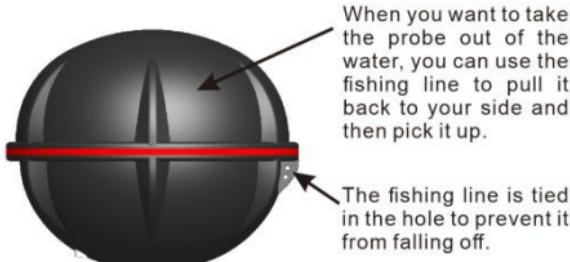
There are two holes on the side of the sensor to tie the fishing line. Be careful not to hang other heavy objects, otherwise it will cause the sensor to sink into the water and the signal will be interrupted, and it may also cause the probe to skew and make the test inaccurate.

7.7. Antenna adjustment

The best signal effect can be obtained by adjusting the direction of the antenna. Note that the antenna nut needs to be tightened manually and cannot be loosened.

7.8. Judgment of big and small fish

The large and small fish icon displayed by the fish finder is a qualitative reference data, and does not accurately represent the specific size or weight of the detected fish. The general experience is: small fish below 6 inch, medium fish at 6~12 inch, and big fish above 12 inch. However, the size of the fish, the depth of the fish, and the posture of the fish under the water will affect the judgment of the fish size, so this data is for reference only.

8. Specifications

8.1. Host

Maximum dimensions:	L 6.2 x W 3.9 x H 1.57 inch
Weight:	about 270 g
Display type:	TFT LCD sunlight screen
Display size:	3.5 inches
Display resolution:	480*320
Language:	Chinese/English/Russian
Unit of measurement:	M/ft, ℃/℉
Power input:	DC5V Type-C
Working temperature:	-4~140 ℉
Storage temperature:	-4~158 ℉

8.2. Wireless probe

Detection depth range:	2.6-164 ft
Sonar frequency:	125 KHz

Sonar radiation angle: 105 º
Dimensions: Ø 2.8 x H 2.2 inch
Weight: about 80 g
Charging voltage: DC5V
Working temperature: -4~140 ºF
Storage temperature: -4~158 ºF
Charging time: about 2 hours

8.3. Wireless transmission part

Wireless connection distance: 500 ft max (Accessible and distraction-free environment)

Wireless frequency: 433MHz

The mounting bracket and mounting bracket screws may not be exactly the same as the drawings in the manual, and the actual product in the package shall prevail.

The contents of this manual are subject to update without notice.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different
   from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction