LUCKY Y2020-CT

LUCKY Y2020-CT Portable Fish Finder User Manual

Model: Y2020-CT

Introduction

Thank you for choosing the LUCKY Y2020-CT Portable Fish Finder. This device is designed to assist anglers in locating fish and determining water depth in various fishing environments. Its waterproof and portable design makes it a versatile tool for boat, kayak, ice, and bank fishing. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your fish finder.

Product Overview

The LUCKY Y2020-CT consists of a main display unit and a sonar transducer with an extension cable and float. The display provides real-time information on water depth, temperature, and fish location.



Image: Components of the LUCKY Y2020-CT Portable Fish Finder, including the main display unit, sonar transducer, yellow float, and a black storage box.

Setup

1. Charging the Device

The fish finder has a built-in lithium battery and is USB rechargeable. Connect the provided USB cable to the device and a compatible USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator will show the charging status. Ensure the device is fully charged before first use for optimal battery life.

2. Connecting the Transducer

Connect the sonar transducer cable to the appropriate port on the main display unit. The transducer comes with a 25ft (7.62m) extension cable and an anti-fish bite plastic float. Ensure the connection is secure.

3. Deploying the Transducer

For accurate readings, the sonar transducer must be fully submerged in water. You can deploy it in several ways:

- **Floating:** Attach the yellow float to the transducer cable and let it float on the water surface.
- **Boat/Kayak Mounting:** Secure the transducer to the hull of your boat or kayak. Ensure there are no air bubbles

between the transducer and the water for clear signal transmission.

- **Ice Fishing:** Place the transducer directly into a hole in the ice, ensuring it is fully submerged.



Image: The LUCKY Y2020-CT fish finder being used during kayak fishing, showing the transducer submerged in water and the main unit held by an angler.

Operating Instructions

1. Powering On/Off

Press and hold the power button (usually the central button) to turn the device on or off.

2. Display Information

The LCD display provides comprehensive information:

- **Water Depth:** Shown on the left top, typically in meters (M) or feet (FT).
- **Water Temperature:** Displayed next to the depth, in Celsius (°C) or Fahrenheit (°F).

- **Fish Icons:** Indicate approximate fish location and size. Small, medium, and large fish icons may be displayed.
- **Bottom Contour:** Shows the shape of the underwater terrain.
- **Battery Indicator:** Displays the remaining battery life of the main unit.
- **Sensitivity:** Indicates the current sensitivity setting.



Image: A detailed breakdown of the LUCKY Y2020-CT display, labeling various indicators such as W-Sensor Battery, Wireless Signal, Sensitivity, Water Depth, Temperature, Fish Icons (small, large, medium with depth), Bottom Contour, Battery Indicator, Upper Zoom Range, Water Surface, and Lower Zoom Range.

3. Adjusting Settings

Use the 'MENU' button to access settings and the 'ZOOM' and 'MODE' buttons (or arrow keys) to navigate and adjust values. Key adjustable settings include:

- **Units:** Switch between FT/M for depth and °C/°F for temperature.
- **Sensitivity:** Adjust the sonar sensitivity to optimize readings based on water conditions and desired detail. Higher sensitivity may show more detail but also more clutter; lower sensitivity reduces clutter but may miss smaller targets.

- **Fish Alarm:** Enable or disable an audible alarm when fish are detected.
- **Battery Save Mode:** Activate this mode to extend battery life, potentially allowing for over 10 hours of continuous operation.

4. Sonar Performance

The sonar transducer operates at 200Khz with a 45° beam angle, supporting a maximum water depth detection of 328ft (100m). It functions reliably in both freshwater and saltwater environments.



Image: A visual representation of the sonar's detection capabilities, showing a 45-degree beam angle, a maximum water depth of 100m/328ft, and the 7.62m/25ft cable length of the transducer.

5. Applications

The portable fish finder is suitable for a wide range of fishing activities:

- **Ice Fishing:** Use to find fish under ice.
- **Kayak Fishing:** Easily attach to kayaks for depth and fish detection.

- **Boat Fishing:** Ideal for small boats to survey fishing spots.
- **Bank Fishing:** Cast the transducer from the shore to explore the water.



Image: A collage demonstrating the wide range of applications for the fish finder, including use from shore, on a lake, in the sea, and during ice fishing, along with various types of fish it can help locate.

Maintenance

1. Waterproofing

The device is designed to be waterproof and will float if dropped into water. It can withstand rain and splashes. However, to prevent water vapor from forming inside the display due to temperature differences, it is recommended to place the handheld fish finder in open air after fishing to allow it to dry completely.



Image: The LUCKY Y2020-CT fish finder being used in a rainy environment, demonstrating its waterproof capability.

2. Cleaning

Wipe the display unit and transducer with a soft, damp cloth after each use. Avoid using abrasive cleaners or solvents that could damage the device. Ensure all connections are clean and dry before storage.

3. Storage

Store the fish finder in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

Troubleshooting

- **No Reading or Inaccurate Depth Readings:**
  - Ensure the transducer is fully submerged in water and free of air bubbles.
  - Check the connection between the transducer and the main unit.

- Adjust the sensitivity setting. If readings are consistently too high or erratic, try lowering the sensitivity. If no readings appear, try increasing sensitivity.
- Ensure the transducer is not obstructed by weeds, debris, or the boat hull itself.

- **Device Not Turning On:**
  - Check the battery level. Recharge the device if the battery is low.
  - Ensure the power button is pressed and held sufficiently.
- **Short Battery Life:**
  - Ensure the device is fully charged before use.
  - Activate the battery save mode in the settings to extend operational time.
  - Battery performance can be affected by cold temperatures; keep the unit warm if possible during ice fishing.

Specifications

Feature	Specification
Brand	LUCKY
Model Name	Y2020-CT
Part Number	YYT-US-Y2020-CT
Power Source	Battery Powered (USB Rechargeable)
Display Type	LCD
Sonar Frequency	200 KHz
Beam Angle	45°
Maximum Measuring Depth	328 Feet (100 Meters)
Transducer Cable Length	25 Feet (7.62 Meters)
Item Weight	0.8 Kilograms
Color	Black

Warranty and Support

For warranty information and customer support, please refer to the official LUCKY product website or contact the retailer from whom you purchased the device. Keep your purchase receipt as proof of purchase for any warranty claims.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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