Thank you for choosing **LUCKY** FF518 fish finder!

1.PRODUCT OVERVIEW

This amazing product is especially designed for amateur and professional fishermen alike, to find out the location of fish and depth of water.

The unit can be used in ocean, river or lake and is fantastic for detecting schools of fish in any particular area.

Using amazing and innovative technology, this portable fish finder is the ideal tool to bring the fish to you!

2. HOW SONAR WORKS

Sonar technology is based on sound waves. The system uses sonar to locate and define structure, bottom contour and composition, as well depth directly below the transducer.

The transducer sends a sound wave signal and determines distance by measuring the time between the transmission of the sound wave and when the sound wave is reflected off an object; it then uses the reflected signal to interpret location, size, and composition of an object.
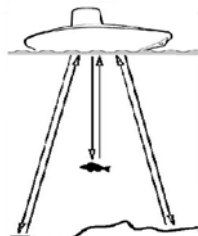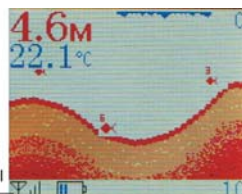

3.USER MODE

The FF518 is a combo unit that allows you to choose either Wireless fish finder user mode or Clock user mode.

Wireless Mode: This user mode allows you to operate the FF518 with the wireless sonar sensor. When signal

indicator is displayed on the screen, the unit is in Wireless mode.

wireless sonar sensor signal connect indicator ————

Clock Mode: This FF518 could use as a clock watch.When the fish finder on,you could press right-key to choose fish finder wireless mode or clock watch mode.

4.Using the Wireless sonar sensor

The Wireless user mode allows you to use the Wireless Sonar Sensor. Simply attach the wireless sensor to the end of your fishing line and cast it into the water as you would a normal float or lure, then power on the FF518 and you are ready to fish. In Wireless mode, your FF518 uses sonar technology to send sound waves from the wireless sonar sensor,the returned "echoes" are transmitted with wireless technology to the display unit and displayed on the LCD. New information appears on the right . As this information moves to the left a very accurate picture of the underwater world is displayed, including the depth of underwater objects such as the bottom, fish, and structures.
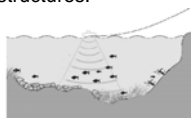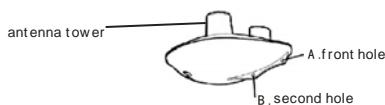

NOTE: When casting the Wireless Sonar Sensor into water, shock from abrupt contact with rocks will damage your Wireless sonar sensor, we recommend using your wireless sensor in water deeper than 1 foot   only.

5.Attaching the Wireless sonar sensor

The line coming from your reel can be tied off to the front hole in the Wireless Sonar Sensor. If you wish to   use the Wireless

Sonar Sensor as a conventional float, use the second hole to attach your hook using a lighter weight line. A snag will break the lighter line if you have to break free. Slip line techniques are not recommended because of the higher risk of losing the Wireless Sonar Sensor. If you do use the slip line method, use a lighter weight line after the lower stop, enabling retrieval of the Wireless Sonar Sensor if the lower line with hook breaks away.

antenna tower

A .front hole

B . second hole

Handle the Wireless Sonar Sensor by the antenna tower when it has been in water.
Use a heavy test line, standard knots, and tackle such as a swivel.
The second leader hole is for using the Wireless Sonar Sensor as a float. Connect a lighter weight hook line to this hole. Do not over-weight the hook line as this will submerge the Wireless Sonar Sensor, causing signal loss.

NOTE : You will increase the possibility of breaking your line if you use light test pound line on your reel. The Wireless Sonar Sensor is positively buoyant . The maximum amount of weight for any attachment to the Wireless Sonar Sensor is approximately 5.67 grams, and includes the combined weight of any hook, line, weight, swivel/snap swivel and bait that is attached to the Wireless Sonar Sensor.

NOTE : Store the Wireless Sonar Sensor in a dry, non-metallic container, such as a tackle box, in a separate compartment, and isolated from any metallic devices.

NOTE : The bottom of the Wireless Sonar Sensor should not be handled during sonar operation, as this may cause physical discomfort and may result in personal injury in the form of tissue damage. Handle the Wireless Sonar Sensor only by the antenna tower when it has been in the water.

NOTE : The Wireless Sonar Sensor is not intended for use by children younger than 6 years old without adult supervision as the Wireless Sonar Sensor may represent a choking hazard to small children.

6.How to replace the CR-2032 battery
The Wireless Sonar Sensor has a CR-2032 Lithium battery .It is can be replaced.Pls check the attach pictures to change the battery.
Remove the battery door of the Wireless Sonar Sensor and press the lock-block of the battery holder,the battery will flip automatically.

Note: Make sure that the O-ring in the battery compartment is present,positioned correctly in the grooves,and free of debris before reinstalling the battery door.The Wireless Sonar Sensor has contacts that perceive when the device is immersed in the water. These contact turn on the Sonar Sensor/Receiver and begin transmitting the sonar information via RF to the display. The Wireless Sonar Sensor automatically stops using power a few seconds after being pulled out of the water.
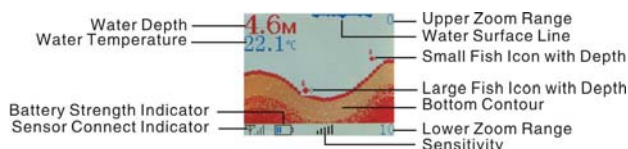
NOTE : Do not place the Wireless Sonar Sensor in a wet area when not in use as this will turn on the Wireless Sonar Sensor and shorten its usable life. Store the Wireless Sonar Sensor in a dry area when not in use to conserve power. Never place the Wireless Sonar Sensor in a wet area of a boat or on a metal surface that could accidentally power it on.

NOTE : If the Wireless Sonar Sensor was used in salt water, rinse it with fresh water before storing it.

7.Display View
The FF518 displays underwater information in an easy-to-understand format. The top of the display corresponds to the water surface at the transducer, and the bottom of the display corresponds to the Depth Range automatically selected for the current water depth. The Bottom Contour varies as the depth under the boat changes. Digital readouts provide precise information for depth, fish and water temperature.

As the boat moves, terrain and bottom composition variations are displayed. Fish, baitfish and the rmoclines (underwater temperature changes) are displayed when detected. Underwater conditions vary greatly, so some experience and interpretation is needed to realize all the benefits of the FF518 use the picture as a guide to the most common conditions and practice using the FF518 over known bottom types.

Water Depth — 4.6м
Water Temperature — 22.1°c
Upper Zoom Range
Water Surface Line
Small Fish Icon with Depth
Large Fish Icon with Depth
Battery Strength Indicator
Sensor Connect Indicator
Bottom Contour
Lower Zoom Range
Sensitivity

8.Powering ON and OFF

Press and release the POWER-MENU key to power the FF518 on. Press and hold the POWER-MENU key until the unit shuts down to power off.

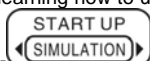When the FF518 powers on,the will temporarily display on screen last 5 seconds.Then will show From this menu, use the arrow keys to select either Start-Up, Simulation.

·Use Start-Up for on the water use.-------

·Use Simulation for learning how to use the system with simulated sonar data; access Simulation by pressing the right Arrow Key once. ----------

9.Image Switch over：when on wireless fish finder mode，press LEFT ARROW key once，image will turn 90，user could set three items image display。

10.Time Setup：In time mode，press LEFT ARROW key start time setup.Press POWER-MENU key once again and again，the indicator will black from hour setup to minute setup to second setup,when the indicator black,you can press LEFT ARROW key or RIGHT ARROW key adjust the number of hour or minute or second. When you finished setup,，wait 10 seconds not any operation,will return to time clock display.


11.Accessing Menu Features

A simple menu system allows you to access your FF518 adjustable settings. To activate the menu system, press the POWER-MENU key. Press the POWER-MENU key repeatedly to display the FF518 menu settings, one at a time. When a menu settings is on the display, use the UP and DOWN Arrow keys to adjust the menu setting. Menus settings are removed from the screen automatically after several seconds. In Normal operating mode, most menu settings saved to memory.
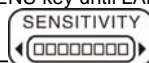
11.1. User Mode-----

The FF518 is a combo unit that allows you to choose either Wireless fish finder user mode or Clock user mode.

11.2. Language—
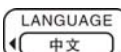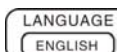
Press the POWER-MENU key until LANGUAGE appears.The FF518 fish finder has two language choice(English,Chinese)

11.3. Sensitivity—

Press the POWER-MENU key until SENSITIVITY appears. Sensitivity controls how much detail is shown on the display. Increasing the sensitivity shows more sonar returns from small baitfish and suspended debris in the water; however, the display may become too cluttered. When operating in very clear water or greater depths, increased sensitivity shows weaker returns that may be of interest. Decreasing the sensitivity eliminates the clutter from the display that is sometimes present in murky or muddy water. If Sensitivity is adjusted too low, the display may not show many sonar returns that could be fish. (1 –9).

11.4. Depth Range---

Press the POWER-MENU key until DEPTH RANGE appears. Automatic is the default setting. When in automatic, the lower range will be adjusted by the unit to follow the bottom. (Auto, 15 to 135 feet)

NOTE: *In manual operation, if the current depth is greater than the depth range settings, the bottom will not be visible on the display. Select AUTO to return to automatic operation.*

11.5. ZOOM---
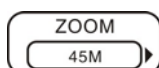
Press the POWER-MENU key until ZOOM appears. Select Auto to magnify the area around the bottom in order to reveal fish and structure close to the bottom that may not be visible during normal operation. When ZOOM is set to Auto, the upper and

lower Depth Ranges are automatically adjusted to keep the area above and below the bottom on the display. Select Off to return to normal operation. (Off, 15 to 135 feet).
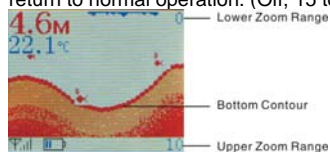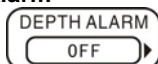

There is also a series of manual ranges which can be selected. The manual depth ranges are determined by the present depth conditions.

11.6. Depth Alarm –

Press the POWER-MENU key until DEPTH ALARM appears. Select OFF for no Depth Alarm, or select 15 to 135 feet to set the alarm depth. An audible alarm sounds when the depth is equal to or less than the setting. (On, Off, 15 to 135 feet)

11.7. Fish Alarm—

Press the POWER-MENU key until FISH ALARM appears.
Select Off for no fish alarm, or one of the following symbols to set the alarm. An alarm will sound when the FF518 detects fish that correspond to the alarm setting. Fish Alarm will only sound if Fish ICON is also set to On. (Off, Large fish, Large fish/Small fish).

Large fish only
Large fish/Small fish.

11.8. Fish Icon----

Make sure press the POWER-MENU key until FISH ICON appears. Select either Off to view "raw" sonar returns, or On to view Fish symbols. Fish ICON uses advanced signal processing to interpret sonar returns, and will display a Fish Symbol when very selective requirements are met. A select number of possible fish returns will be displayed with their associated depth. (On, Off)
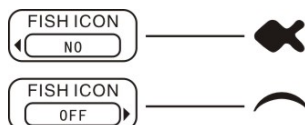
11.9. Power save----

Press the POWER-MENU key until POWER SAVE appears. Use the OFF for night fishing. Select either Off, or On to activate the backlight at the desired level.
NOTE: Continuous power save mode off significantly decreases battery life on unit portables.

11.10. Depth Units-----

Make sure press the POWER-MENU key until DEPTH UNIT appears. DEPTH UNIT selects the Depth units of Feet or Meter.

11.11. Tempe Unit -----
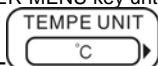
Make sure press the POWER-MENU key until TEMPE UNIT appears. TEMPE UNIT selects the Tempe unit of $^{\circ}F$ or $^{\circ}C$

12 .Install battery
1.)Before taking out the battery, please be sure to close the fish finder and disconnect with the charger.
2.)Remove the screws on the battery cover, and take the battery cover off.
3.)Lift the battery up from the finger slot and take it out.
4.)If reinstalled battery, make sure the golden contact on the battery aim at the corresponding contact on the fish finder.
5.)Cover the battery cover, and check whether the seal ring on the battery cover put on the correct slot, and then tighten the screws, this operation seriously affects the water resistance of the fish finder, therefore, please take caution in operating, and make sure the appropriate operation.

13.Charge a battery

1.)The battery of this fish finder is rechargeable lithium battery. If the battery capacity is lower, please charge for the battery. When cut off the charger, it is essential to hold the power plug and take out; but do not pull the power line.
2.)Charge for the battery by charger, plug one end of the charger's power line into the charger interface of the fish finder, and plug the charger into the household power socket.
3.)After connecting the charger, the indicator light of the charger turns red, and the indicator light of the fish finder also turns red; when the battery is charge full power, the indicator light of the charger will turn green, and the indicator light of the fish finder will go out, in this way, the battery finishes charging.
4.)After charging, make the fish finder disconnect with the charger, and remove the charger from the socket.

14.Use antenna

The operating mode of fish finder is set on the wireless mode, in order to increase the wireless receiving distance, please pull out the fish finder's antenna , so as to make the wireless receive operating distance reach the most stable and farthest state. Please be careful to pull in and out the antennas, and avoid bending and breaking the antennas.

15.Trouble shooting

Abnormal situation	Reasons	Solutions
Can't power on	The battery capacity is exhausted.	Please charge the battery.
Shorten the operation time	The battery power capacity is exhausted, and the battery performance will degrade gradually in use.	Replace the new battery.
	When being unable to receive the signal of wireless transducer, the fish finder will continue to search the signal, and consume a lot of power , and bring about the short service time.	Move to the area where the signal reception is more stable.
	Buzzer and backlight also consume lots of power capacity.	Close the audio beeper and backlight if they are not required.
The battery can't be charged	The battery or charger is broken.	Replace the battery or charger.
	Poor contract	Check whether the charger is in good connection.
	The charging environmental temperature of the fish finder is above 50 degrees or below minus 10 degrees.	Adjust the charging environment.
The depth data sometimes appear and sometimes not, or the depth data don't display	The wireless sensor is damaged.	Replace the wireless sensor.
	Whether the environmental depth is within the operating limit or not.	Please change the use area, and adjust the sensitivity to the highest level.
	The battery capacity of the fish finder is lower.	Charge for the battery.
	The sensitivity setting is in low level.	Adjust the sensitivity to the higher level.
LCD flickers then the screen shows nothing	The solar ultraviolet radiation is too strong.	Remove the machine from the area with the direct solar radiation, shut down the machine, and restart the machine after waiting for three minutes.
The wireless signal is not stable, or sometimes appears, and sometimes not	The waves on the water surface is up and down greatly.	Move to the place where the water surface is relatively stable.
	The distance between the fish finder and the wireless transducer is too far.	Shorten the distance between the fish finder and wireless transducer, and choose the environment where the obstacles are less as far as possible.
	The battery capacity of the wireless probe is low.	Replace the battery of the wireless transducer.
Depth data change frequently and the depths are inaccurate	The up-and-down waves on the water surface are violent, and cause the transducer shakes violently.	Move to the place where the water surface is relatively stable.

	The complex environment is too shallow or too closer to the shore.	Please move to the environment where the water is deeper or leave the shore.
	In wireless state, the wireless signal is probably too weak.	Please shorten the distance between fish finder and wireless transducer, or to check whether the battery power of wireless transducer is sufficient.
The internal protective film of LCD generates the burnt wrinkle	Continuously use for a long time under the environment with direct sunlight and high temperature.	Please avoid continuous use for long time in the direct sunlight and high temperature, otherwise, it will bring about the damage to LCD.

16.Maintenance

Follow these simple procedures to ensure your FF518 continues to deliver top performance.

If the unit comes into contact with salt spray, wipe the affected surfaces with a cloth dampened in fresh water.

Do not use a chemical glass cleaner on the less-this may cause cracking in the lens.

When cleaning the LCD protective lens, use a chamois and non-abrasive, mild cleaner. Do not wipe while dirt or grease is on the lens. Be careful to avoid scratching the lens.

Never leave the unit in a closed car or trunk - the extremely high temperatures generated in hot weather can damage the electronics.

17.Wireless sonar sensor Maintenance

After using the Wireless sonar sensor in salt water, wipe the affected surfaces with a cloth dampened with fresh water. The Wireless sonar sensor Cuprum-switch must be rinsed with fresh water after exposure to salt water prevent corrosion.

If your Wireless sonar sensor remains out of the water for a long period of time, it may take some time to wet it when returned to the water. Small air bubbles can cling to the surface of the Wireless sonar sensor and interfere with proper operation. Wipe the face of the Wireless sonar sensor with a wet cloth to remove them.

Never leave the Wireless sonar sensor in a closed car or trunk-the extremely high temperatures generated in hot weather can damage the electronics.

18.As unpack the box, you will find the following accessories:

Fish finder	1 pcs
Wireless transducer	1 set
CR-2032 lithium battery	1 pcs
3.7V rechargeable lithium battery	1 pcs
Charger	1 pcs
Car charger	1pcs
USB charge cable	1pcs
Manual	1 pcs

SPECIFICATIONS

Power Requirement:

Fish finder: 3.7 Volt rechargeable lithium battery
Alkaline batteries (not included)

Wireless sonar sensor : ·· One CR-2032 Lithium Battery

Display Type **1.77 inch TFT color screen，Pixels 128X160**

Depth Capability··· 2-150 feet
(0.6 – 45 meters)

Sonar Coverage ·· 90˚

Sonar Operating Frequency··· 125KHz

Operational Wireless Frequency ··· 433.82MHz

Operational Range ·· 160Feet (50meters)

Operational Temperature ·· -10°C – 50°C

IC Statement

- English: "

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject

to the following two conditions: (1) this device may not cause interference, and (2) this device

must accept any interference, including interference that may cause undesired operation of the device."

- French:"

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio

exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne

doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage

radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

Caution:

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