Please Read This Manual Carefully Before Installing And Using It

Warning! The disassembly and maintenance of this product can only be carried out by authorized service personnel to modify the serial number or attempt to disassemble and repair the product or accessories by themselves, and the company's warranty service can not be enjoyed.

What is BT100?

BT100 bluetooth fish finder turns your smartphone or tablet into a fully functional touch screen sonar system that will rival the performance of sonar systems costing hundreds more.

The Sonar Transmitter will work anywhere in the world and creates its own Bluetooth hotspot.

BT100 Overview

This Depth Sounder Mobile Application is designed for amateur and professional fishermen alike. It will allow you see fish, depth and bottom contour of a body of water. This high performance sonar system,coupled with a BT100 will rival the performance of many high-cost stand-alone sonar systems.

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

When in the water, the transducer sends a sound wave signal downward and determines distance by measuring the time between the transmission of the sound wave and when the sound wave is bounced off an object. Then it uses the reflected signal to interpret depth and composition of an object or bottom structure.

Features & Specifications

BT100 Features:

- Display Type: iPhone or iPad
- Digital Depth Indicator
- Depth Cursor
- Water Temperature
- Automatic Ranging
- Fish Icon/Fish Arch
- Depth and Fish Alarm
- Zoom Bottom Track
- Keel Offset Setting
- Noise Rejection
- Surface Clarity
- Battery Indicator
- Bluetooth Wireless Connection
- Multiple Languages
- Real Time Sonar Signal (A-Scope)
- UI Mode
- Free APP

Specifications:

- Depth Range Max: 120 feet (40M)
- Depth Range Min: 2 feet (0.6M)
- Sonar Frequency: 125KHZ
- Sonar Power: Build in lithium Battery
- Audible Alarms: Fish, Shallow, Low Battery
- Operational: -20 — 80°C
- Wireless distance: 180 feet(60M)

How To Download The APP?

You could download the APP freely to your Android or IOS device with the key words "iRemote Fishing" from Google Play or Apple Store:

iRemoteFishing

Support : Android 4.0 or above versions

IOS 10.0 or above versions

How To Connect To Your BT100

Ios/Android Devices

1. Start the BT100 by placing its transducer (water activated smart sensor built in) into the water. (Use a wet paper towel if at home)

2. Click the iRemoteFishing icon on phone or tablet to start the app, you will enter into the user page as the right picture.

3.1 Automatically connect APP

Click on the "Start" button, and the APP will automatically connect to BT100 . The bluetooth will ask for a pairing password if that is first-time using, the default password is 1234.

After entering the password, the interface automatically returns to the start page. Click on the "Start" button again to begin using BT100.

3.2 Manually connect APP

Find the Bluetooth connection by tapping the "..." on the top right corner of the page, the phone will automatically search the fish finder signal and display the bluetooth name in the list of available devices and then click the right bluetooth name which showed " paired (on line)" .

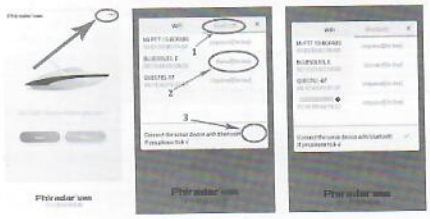
(For the first time connect to APP) - Select the " Default connect" below the buletooth list, your phone will be marked "√" to indicate that the selection was successful.

Note: The bluetooth will ask for a pairing password if that is first-time using, the default password is 1234.

The selection of the "Default connect" is a must action, or the Sonar data acquisition will be failed after you tap into the APP.

When setup is Complete, click on the "Start" button to begin using BT100.

Warm tips: You can choose the above method 3.1 or 3.2 to connect the APP.



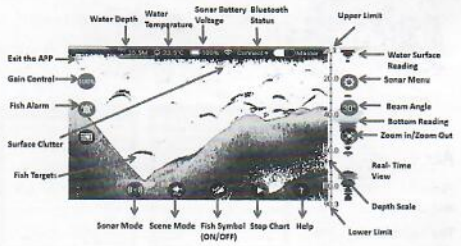
IMPORTANT: Bluetooth signal range can be effected by many external factors. While good conditions allow for a 180 feet(60 meters)range, the actual distance you could experience may be plus or minus 10% of this distance.

Bluetooth technology is greatly limited indoors and is best to keep in line of site for best performance.

If mounting BT100, be sure to place it as high in the boat as possible and never in a metal lined compartment which will really shorten your transmit range.

BT100 Operation

Touch Pad Functions



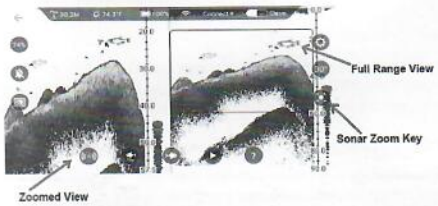
Note - The Real-Time Signal (RTS) View window always updates at the fastest rate possible. This view shows what is beneath, right now.

Sonar Zoom View

Press the Zoom key or use the Zoom Gesture to manually enlarge the bottom signal in the main screen by 2.

Press it again and the screen will be returned normal operation.

In the Split Screen Zoom View, the display is split to show the full range view on the right and the zoomed view on the left. The full range view on the right also contains the Zoom Preview Box that shows what part of the full range view is shown in zoom view on the left; the Zoom Preview Box tracks the bottom in the full range view.



Accessing Sonar Menu Features

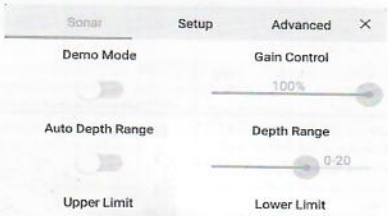
Press the Sonar Menu Key to access the menu system. The menu system immediately appears on the display.

The menu system has 3 tabs: "Sonar", "Setup" and "Advanced". Tap the different Menu keys to switch between different menu tabs.

First-time users can use the right or left keys to change the languages in the item "Language" of the menu "Advanced"

Press sonar menu key again or press any other place out of the menu window on the screen to close menu system.

Sonar Menu



Demo Mode

The Demo Mode is a very powerful tool that simulates the fish situation on the water. Use the Demo Mode to learn how to use yourBT100 before go out on the water. All features except Depth Range may be adjusted.

Note: You can enter demo mode in two ways:

①Click "demo" on the home page and then select "bluetooth", you could view the whole display in demo mode.

②After connecting the bluetooth signal, click "Start" to enter the real sonar detection and then turn on the demo mode in the sonar menu setting.

Gain (Sensivity) Control

Gain controls the unit's ability to pick up echoes, from 1% to 100%. Current gain levels are displayed below the digital depth readout as a percentage of maximum (%).

If you want to see more detail, increase the gain a little at a time. If there is too much clutter on the screen, decrease the gain to reduce this.

Ideally, you want to set the gain to show the strongest fish echoes with the least amount of clutter.

As you change the gain level setting, you can see the difference it makes on the chart as it scrolls.

When not in the Menu mode, use the first icon on the left of the touch pad to easily control the gain. If BT100 cannot find the depth or the return signal seems weak on the display, increase the gain level until the reading is strong.

Usually, a gain level between 30% and 60% will suffice, but increasing the gain may be required for deeper waters or very soft bottoms. For extreme shallow water, less than 3 feet, reduce the gain near the minimum setting.

Auto Depth Range

This setting allowsBT100 to control the depth range setting for you.

It will do it's best to keep the bottom in view at all times, switching depth ranges as needed.

Change this setting to OFF and you can control the range setting manually.

IMPORTANT: While using manual range operation, if the depth is greater than the depth range setting, the bottom will not be visible on screen.

Change the range to a deeper setting or select "Auto" to return to automatic operation.

Auto Depth Range

Depth Range

This setting allows you to manually change the range setting, meaning how deepBT100 will read depth.

The ranges available are: 0—9 feet, then 10 foot increments deeper to 120 feet (0—3 meters to 0—36 meters).

Depth Range

Upper Limit

The Upper Limit is the shallowest point in the water column which will be displayed on the chart.

Upper Limit

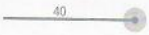
Lower Limit

The Lower Limit is the deepest point in the water column which will be displayed on the chart.

Changing the upper and lower limits give you far greater control over the depth range.

This feature lets you "zoom in" the display in almost unlimited combinations.

Lower Limit



Depth Cursor

The depth cursor, found by swiping down to the first menu page, consists of a horizontal line with a digital depth box on the right side.

The numbers inside the box show the depth of the cursor.

You can move the cursor to any location on the screen, letting you pinpoint the depth of a target or keep a reference point for a specific depth.

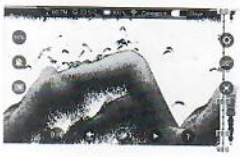
Depth Cursor

UI MODES

UI Model

Sonar Mode

With sonar mode, you can tell the difference between a sport fish, a baitfish and a weed based on the finely detailed arches,also there is a clear structure of water bottom.



Scene Mode

The scene mode gives you a Underwater VirtuView of fish, makes you experienced just like in the scene of underwater.

Note: In the scene mode, the fish arches and bottom structure are not possible, you can tell apart the fish depth with the depth cursor.

Setup Menu

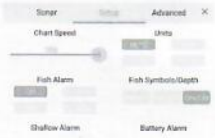


Chart Speed

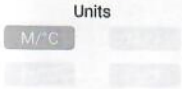
- Settings: 10% to 100%

This setting changes the speed at which the display scrolls across the screen. Faster chart speeds will show longer straighter lines as fish and bottom. Slower chart speeds will show shorter, more curved lines.

Units of Measure

Menu Settings: M/°C, M/°F, Ft/°C, or Ft/°F.

This setting allows you to configure the units of measure for your needs.



Fish Alarm

The Fish Alarm can be configured to sound for different sizes of fish. Select the setting that is best for you.

Off - No alarm.

L - Alarm for Big Targets Only.

L/M - Alarm for Big and Medium Target.

L/M/S - Alarm for Any Size Target.

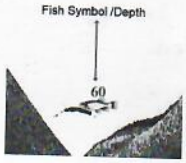
When not in the Menu mode, use the Second icon on the left of the touch pad to easily control the fish Alarm.

Fish Symbols & Depth

Menu Settings

- **On/On:** Symbols and Depth are Displayed
- **On/Off:** Fish Symbols Only are Displayed
- **Off/Off:** No Fish Symbol Display

Fish Symbols/Depth



This feature identifies targets that meet certain standards for possibly being a fish.BT100 analyzes all echoes and eliminates surface clutter, thermoclines, and other undesirable signals. In most instances, remaining targets are fish. This feature displays fish symbols on the screen in place of the actual fish echoes. There are three fish symbol sizes used to designate the relative size between targets.

IMPORTANT: BT100 is sophisticated, but it can be fooled. It may not always be able to distinguish between fish and other larger suspended objects in the water.

Shallow Alarm

- **Menu Settings:** Off
- **Adjustment:** 1 FT to 99 FT (1 to 30 meters)

The shallow Alarms sounds a tone and the Depth Alarm Indicator will blink when the bottom depth gets shallower than the Depth Alarm's setting.

WARNING: Do not use this feature for shallow water navigation.

Battery Alarm

When the battery voltage drops below the set value, the alarm sounds. This ensures you can tell your friends about the big fish you caught with the help of BT100 on Facebook before the battery goes dead.

Battery Alarm

Frequency

Small View Setting

The small view Settings include the Sonar View, Map View and Video View , users can use this feature in Phiradar WIFI wireless Baitboat fish finder or in future updated version of the BT100.

Samll view setting

Advanced Menu

Bottom Lock

When ON the bottom signal stays locked on bottom as you move.BT100 automatically adjust to keep the bottom locked into a single position. This is useful when looking for targets close to the bottom when there are heavy waves on the surface.

Bottom Lock

Display Color Options

Select the color scheme that works best for you: White Background, Blue Background or Gray Scale.

Display Color Options

White Background

Blue Background

Gray Background

Temperature Offset

Temperature Offset

Surface Clarity

· **Menu Settings:** Off, High, Medium, Low

Surface Clarity adjusts the filter that removes surface clutter noise caused by algae and aeration. The lower the setting, the more surface clutter will be displayed. Increasing surface clutter reduces BT100's ability to display small targets.

Surface Clarity

Noise Filter

· **Menu Settings:** Off, High, Medium, Low

The Noise Filter system built into BT100 constantly evaluates the effects of boat speed, water conditions and interference on the clarity of your display. This automatic feature gives you the best display possible under most conditions. If you have high noise levels, try using the "High" setting.

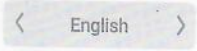
IMPORTANT: If you are having trouble with noise (electronic interference), we suggest that you take steps to find the interference source and correct it, rather than continually using the unit with the high setting.

Language

Select the language you can undtersd bes:

English,Chinese,Russian, French, German, Japanese, Korean, Dutch,Swedish, Polish, Finnish, Greek,Spanish ,Italian,Danish, Czech, Portuguese, Ukrainian, Turkish, slovensky, Romanian, Hungarian and Indonesian.

Language



Change The Password

Each BT100 fish finder could use on one single device only, Users will no need to put the password when using the APP, But Users can use this feature in Phiradar WIFI wireless Baitboat fish finder or in future updated version of the BT100.

Exit The APP

Users could tap the arrow" ← " on the top left of the display to exit the app or tap the Esc key of the Phone.

Exit the APP →

Sonar Transducer Installation And Application

Before you can use BT100 in the water, you must understand how the sonar part of the system works so you can use it properly.

BT100 Bluetooth Sonar System

Using the BT100 Bluetooth Sonar System is simple. Just attach the BT100 to the end of a heavy fishing line and cast it into the water as you would a normal float or lure. You can also read the depth and see fish targets while you slowly reel in the BT100 or troll it behind your boat.

IMPORTANT: Ensure that the fishing line is heavy enough and the BT100 is well secured. Slip line techniques are not recommended because of the higher risk of losing the BT100. Also, be aware of power lines and other obstacles as you cast.

Handle the BT100 Wireless Sonar Sensor only by the top antenna cover or nose ring when it is ON. Avoid touching the bottom when active. Take extra care not to drop the BT100 while handling. Do not try to open your BT100, it is permanently sealed.

Charging The BT100

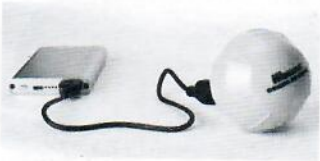
Before you first use the BT100 Bluetooth Sonar System you will need to charge it.

Align the plug of the charging cable with the pins on the bottom of the BT100 as in the following picture.

Align the USB plug of the charge cable with the USB socket of the power supply device (computer, Power Bank, adapter, etc.)

When charging starts the white light inside the unit will remain On. When the battery is full, the indicator lights will be changed to green.

IMPORTANT: Be sure all of the connections are DRY, water on the stainless steel connection can create rust.



Turning BT100 ON

When the BT100 touches the water it will autostart and the red light will be on. The red light will continue flashing when the BT100 successfully connects to the APP and works. If BT100 is completely immersed in the water and loses its signal. It needs to wait for a few seconds to automatically restart and connect to the APP.

Test the BT100 at home:

1. Insert the wet paper towel into the hole (charging port) to make the wet paper towel contact the pins. Note that the paper towel should not block the flat bottom of BT100 to avoid blocking sonar transmission.

2. The red light inside the BT100 will start flashing.

3. Connect APP and BT100 via bluetooth(Refer to the Bluetooth connection instructions).Make sure the gain is set to at least 70%.

4. Place the bottom (flat side) of BT100 horizontally above 1 meter of the floor (without carpet and barrier between the floor and the Bt100). Look at the sonogram on the display screen.The more perpendicular the BT100 is to the floor, the stronger the echo.

5. Increase the gain level if you cannot find the floor echo.

6. After the pins dry for 30 seconds the product will stop working and automatically power off.

IMPORTANT: The BT100's "Wet Switch" pins must be rinsed with fresh water after exposure to salt water to prevent corrosion.

IMPORTANT: Do not place the BT100 in a wet area or on a metal surface when not in use as this will activate the BT100, drain it's battery and help shorten its usable life. Store the BT100 in a dry area.

IMPORTANT: Do not try to open your BT100, it is permanently sealed. Opening a BT100 will void the warranty.