



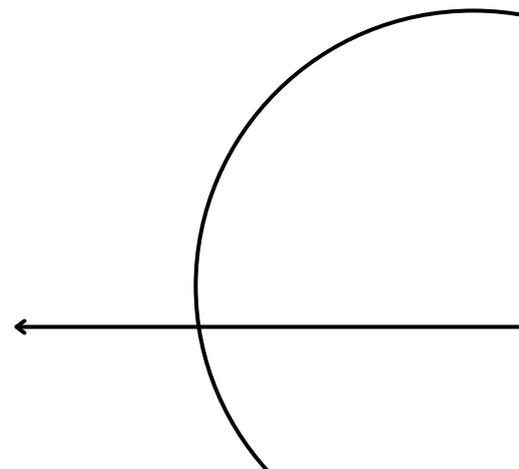
Horizon Sonars

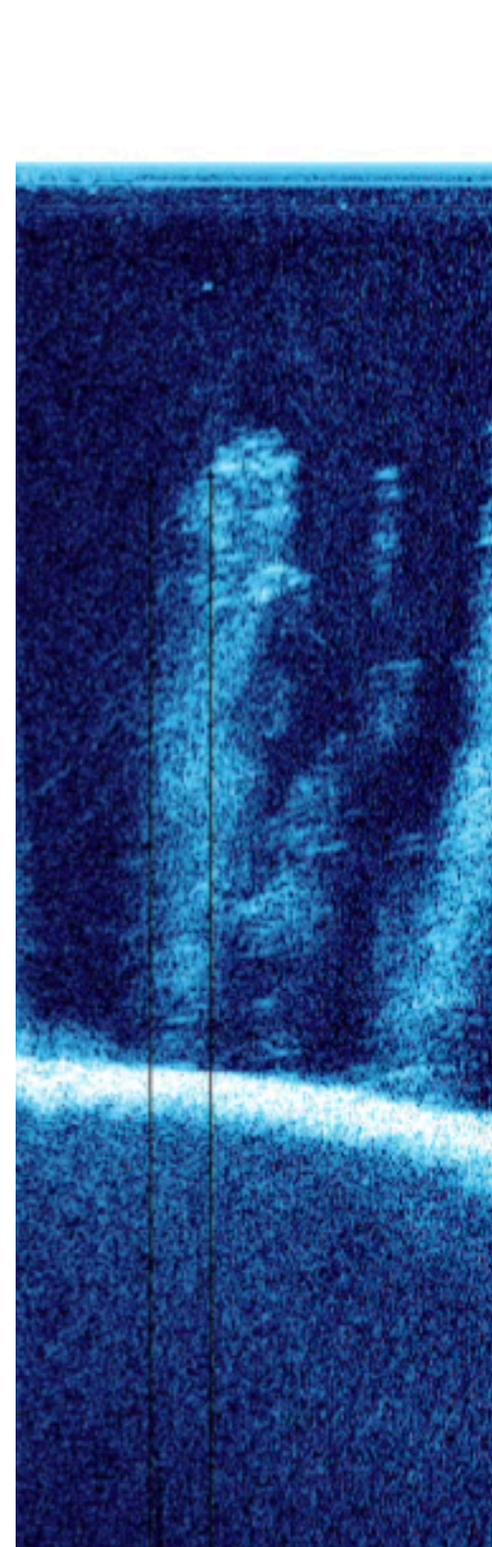
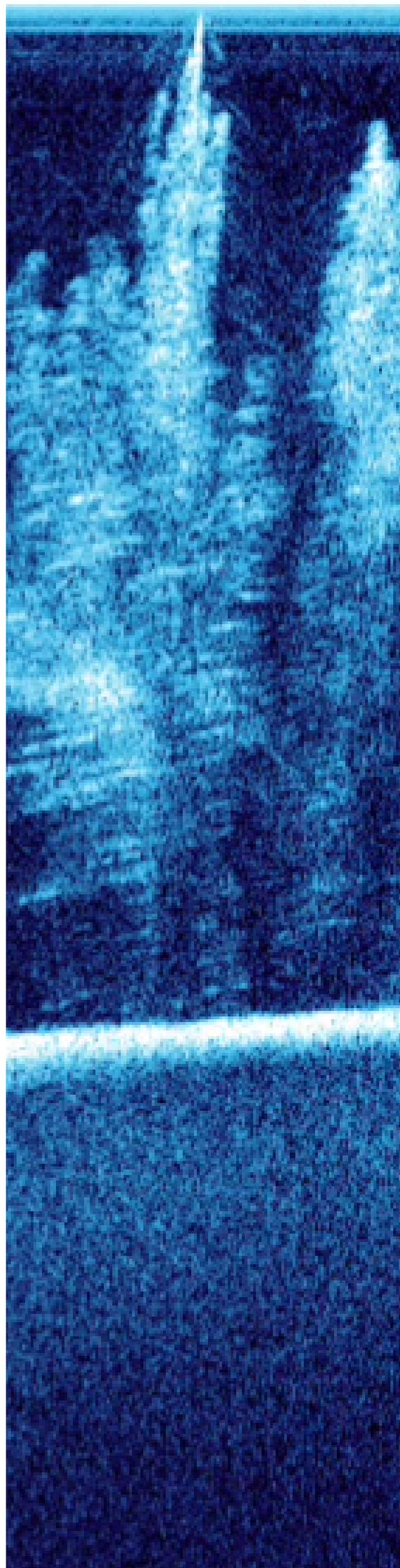
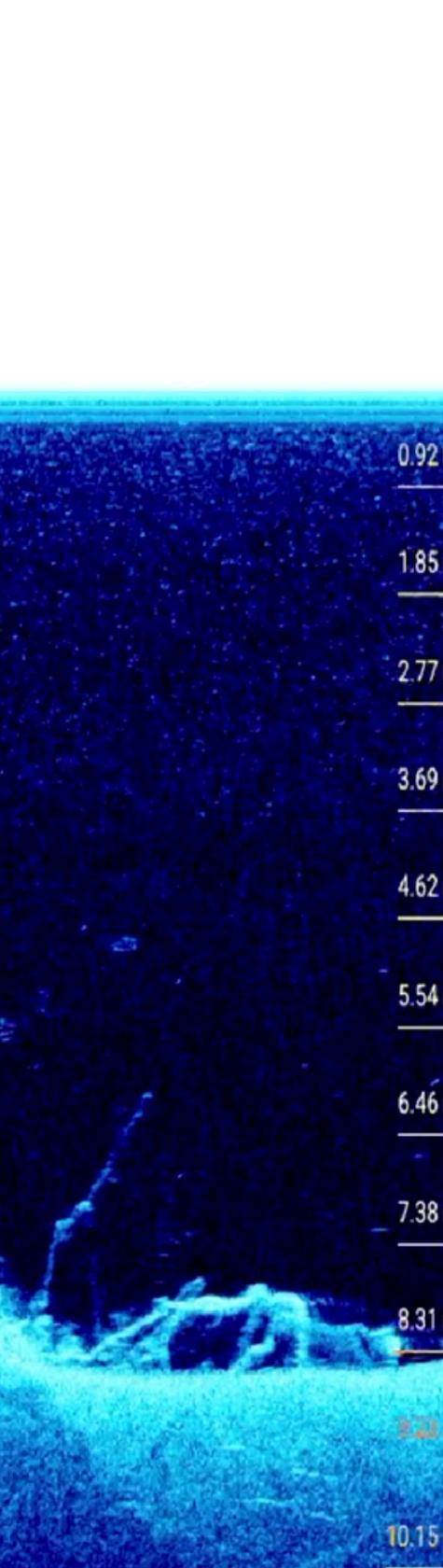
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HORIZON SONARS

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Horizon sonars are the best bait boat sonars on the market.

Smooth performance, long range, and detailed, real-time imaging.

HORIZON SPECTRA

1. Introduction

Horizon sonars are high-precision devices compatible with any bait boat. Thanks to their WiFi technology, they are easy to install and transmit real-time data without the need for cables or complex setups.

Designed to provide accurate and reliable readings, both the Horizon Spectra and Crystal do not simulate fish or invent data. Everything shown on the screen corresponds to genuine signals captured by the transducer. They clearly detect and distinguish weeds, branches, trees, slopes, and hard or soft bottom areas.

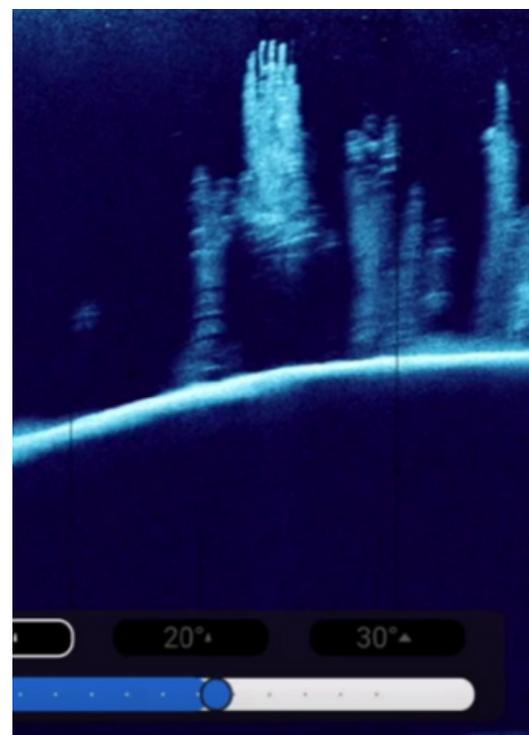
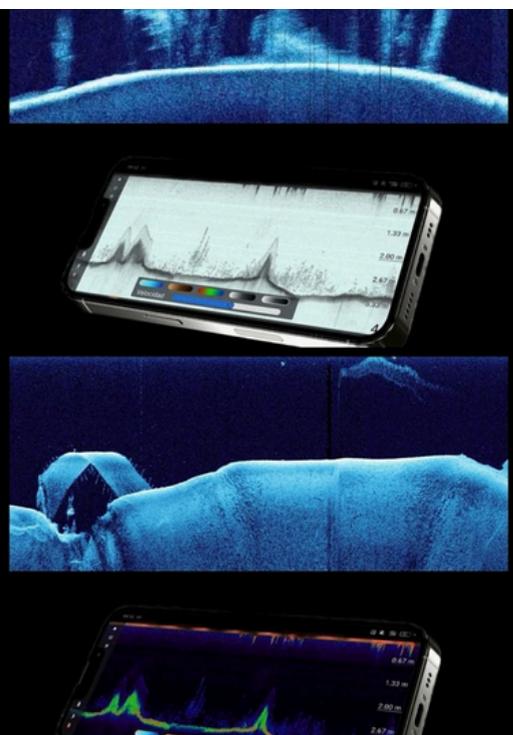
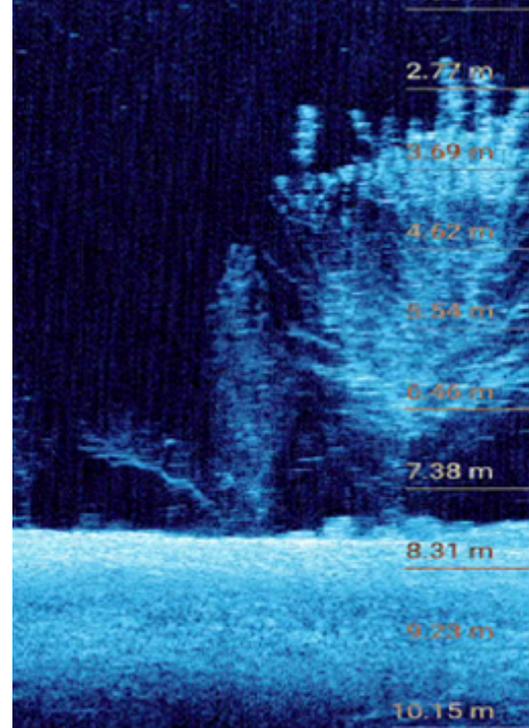
Their versatility, mobile app, and extensive configuration options make Horizon Sonars a professional tool for anglers who demand precision and reliability in their fishing sessions.





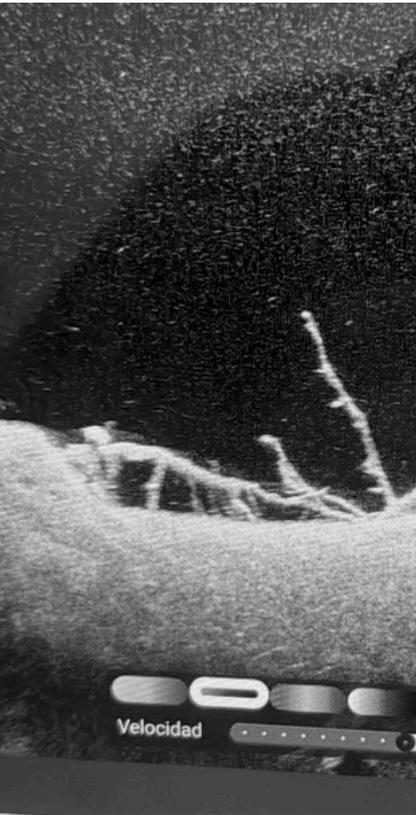
2. Specifications:

- Communication technology: WiFi 2.4 GHz
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- Network generated by the sonar: Horizon_Sonar_XXXXX (XXXXX = serial number)
- Network generated by shore repeater: Horizon_Sonar_XXXXXR
- Range without repeater: up to 160 meters
- Range with repeater: up to 400 meters
- Depth modes: Fixed, Automatic, Hardness
-
- History: Full session log with scrollable navigation
- App: "Horizon Sonar" available for Android and iOS
- Network security: No password
- Repeater module power: Internal rechargeable battery + solar panel
- App language: Multilingual (selected at launch)



WIFI

HECHA POR Y PARA PESCADORES



3. Installation and Startup

1. Place the sonar inside the bait boat.
2. Turn it on — the transducer should emit a sound.
3. On your mobile device, search for the WiFi network Horizon_Sonar_XXXXXR.
4. Connect to this network (no password required).
5. Open the "Horizon Sonar" app, select your language, and tap "Connect".
6. The sonar will begin transmitting data and display the underwater bottom in real time.



4. Shore WiFi Repeater (Long Range)

For users who need to exceed the 160-meter range, Horizon sonars include a shore-based repeater. This device amplifies the signal generated by the sonar and creates a new network named:

Horizon_Sonar_XXXXXR

This network also does not require a password.

The user must connect to this network instead of the original one in order to use the extended range.

- Important: If the repeater network does not appear, first make sure the sonar's base network (XXXXX) is active. Without the base signal, the repeater will not activate..

5. Sonar Configuration

Depending on the sonar model, the beam angle may or may not be adjustable. While the Horizon Crystal performs best with the 20° cone, the Horizon Spectra allows you to switch between the following options:

10° – High precision:

Perfect for identifying small structures or fine details on the bottom. Best used after locating an area of interest.

20° – Medium:

A balanced reading, useful in specific situations. Less commonly used.

30° – *General exploration:*

Ideal for quickly scanning large areas and identifying interesting zones or underwater obstacles.

Start with the 30° beam to locate promising areas. Once found, switch to 10° for a detailed and focused bottom analysis.

Other settings available in the app:

- Reading speed
- Color palette
- Grid overlay
- Screen range (depth scale)

Modo	Descripción	Recomendado para...
Fixed	The user selects a specific range in meters (e.g., 13 m).	Known areas. Precision and proportional realism.
Auto	The sonar automatically adjusts the scale to the actual depth.	Areas with variable depth.
Hardness	It uses the sonar's reflected echo to create a "double bottom." Where a double bottom appears = hard ground.	Locate hard vs. soft bottoms.

6. FAQs

Problem	Probable Cause	Suggested Solution
No image in the app	"Incorrect connection, low battery, improperly configured scale"	Ensure you are connected to the correct WiFi. Check battery and set range to "Fixed".
Horizon_Sonar_XXXXX network not appearing	Sonar is off	Verify if the transducer emits sound and if the network appears in the WiFi list.
Horizon_Sonar_XXXXXR network not appearing	"Repeater not turned on or battery dead, or sonar off"	Check the repeater's switch and battery. Make sure the sonar is turned on.

7. Historical Record

The Horizon Sonar app automatically saves all sonar readings from the moment it connects to the device.

You can review any part of the route by sliding backward on the bottom history bar.

This feature is very useful for analyzing previously explored areas without needing to repeat the navigation.

