Unmatched training speeds
High resolution echoes
Incredibly fast training speeds means less tracking failures

- Faster motor delivering quicker training speeds
  Quick train speeds allow the sonar display to be refreshed at a faster rate, aiding in earlier detection of fish and obstructions.

- 6 step angles for training speed adjustment according to user's needs
  The CH-500 sonar is one of the most comprehensive and fastest sonars of its kind. It provides six selectable step variations (6°, 12°, 15°, 18°, 21° or 24°) for high scanning speed that can cover sector widths from 24° to 360° in a couple of seconds. Thanks to its high training speeds, the CH-500 can rapidly scan a large area providing the ultimate fishing and navigational experience.

**Expert tip:** When moving fast, you can use a wider step angle in order to get a glimpse of the surrounding area. If you detect something interesting, slow down and switch to a decreased step angle for clearer echoes.

<table>
<thead>
<tr>
<th>No.</th>
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<th>13</th>
<th>14</th>
<th>15</th>
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</thead>
<tbody>
<tr>
<td>Range (m)</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>120</td>
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<td>3.7</td>
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<td>15°</td>
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Built-in motion sensor provides stabilized target presentations in rough sea conditions

The CH-500 searchlight sonar is the first of its class to have integrated motion sensors. In rough seas, vessels tend to move in every direction. This movement can cause inaccurate target information to be displayed. The role of the integrated motion sensors is to precisely compensate for those negative effects and provide accurate data to the user.

**On the picture:** You can see that once the stabilizer is activated, the bottom echo recovers its circular shape. The sonar is then able to provide accurate data even if the vessel is pitching and rolling. Thanks to its integrated motion sensors, the CH-500 is able to detect fish that didn't appear with the non-stabilized echo.
Higher resolution due to Advanced signal processing

Powerful signal and image processing techniques, based on a unique interpolation technology, provides images in very high resolution. Even if the fish are located near the seabed, the different echoes are clearly shown and easy to understand. The higher resolution display yields a presentation that is crisp and clear.

Reverberation reduction

The reverberation reduction offers better understanding and a better appreciation of the nature of detected echoes. On the right is an example of how the reverberation reduction function highlights the wreck from the surrounding seabed.

*The echo may be subject to interferences from other Fish Finders
*Schools with excessively high density may appear with a weaker echo color

Quick Gain Control

With the CH-500, the value of the changed gain is instantly applied to the whole circle and all echoes are affected, allowing you to quickly react.
With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information. This new function is also extremely valuable if the fish are moving fast and need to be tracked rapidly.

Audible target detection*

The CH-500 also features fish and obstacle audio signals depending on the nature and the size of the detected object. Whether there are air bubbles, fish schools or seabed, the emitted sound is unique. It is now easy to differentiate the fish schools from the seabed they are moving next to, allowing for better comprehension of the surrounding environment for more productive fishing. This feature shows its usefulness during long sea trips, as it frees the user from continuously watching the screen.

*Optional Loudspeaker required
Incredibly fast training speeds means less tracking failures didn’t appear with the non-stabilized echo. Thanks to its integrated motion sensors, the CH-500 is able to detect/catch that circular shape. The sonar is then able to provide accurate data even if the vessel is pitching on the picture: You can see that once the stabilizer is activated, the bottom echo recovers its compensate for those negative effects and provide accurate data to the user. Target information to be displayed. The role of the integrated motion sensors is to precisely rough seas, vessels tend to move in every direction. This movement can cause inaccurate training speeds, the CH-500 can rapidly scan a large area providing the ultimate fishing and navigational experience.

If you detect something interesting, slow down and switch to a decreased step angle for clearer echoes. Expert tip: Quick train speeds allow the sonar display to be refreshed at a faster rate, aiding in earlier detection of fish and obstructions. Thanks to its high training speeds, the CH-500 can rapidly scan a large area providing the ultimate fishing and navigational (6°, 12°, 15°, 18°, 21° or 24°) for high scanning speed that can cover sector widths from 24° to 360° in a couple of seconds.

The CH-500 sonar is one of the most comprehensive and fastest sonars of its kind. It provides six selectable step variations ■ Faster motor delivering quicker training speeds ■ 6 step angles for training speed adjustment according to user’s needs

Smart features
- Clear echo
- 6° step
- 24° step
- 24° step         6° step
- 24°      21°      18°      15°      12°      6°

Display modes

Horizontal

A full circle scan (360 degree), provided by a rotating transmitter, detects fish schools around the vessel. (Horizontal scan zoom mode also available)

Vertical

The Vertical scan paints the bottom profile within a user-specified vertical plane in any direction.

Full-circle A-Scope

The Full-circle A-Scope mode shows the last detected echoes with one single color. The more opaque the color, the stronger the echo. The strength of an echo is clearly shown and it becomes easier to understand the nature of this echo.

Echo sounder

When fully retracted, the vertically tilted transducer can locate fish schools and seabed straight down at high speeds.

3 different background colors are available for day and night colors (Blue, Black and White)
**Step 6°**

Range (m)

<table>
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<tr>
<th>No.</th>
<th>Fast scanning</th>
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<tbody>
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<td></td>
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<td>target presentations in rough sea conditions</td>
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- **Expert tip:**  
  
  When moving fast, you can use a wider step angle in order to get a glimpse of the surrounding area.

- **Thanks to its high training speeds, the CH-500 can rapidly scan a large area providing the ultimate fishing and navigational (6°, 12°, 15°, 18°, 21° or 24°) for high scanning speed that can cover sector widths from 24° to 360° in a couple of seconds.**

- The CH-500 searchlight sonar is the first of its class to have integrated motion sensors. In rough seas, vessels tend to move in every direction. This movement can cause inaccurate target information to be displayed. The role of the integrated motion sensors is to precisely stabilize the sonar display.

- The sonar is then able to provide accurate data even if the vessel is pitching circular shape. The sonar is then able to provide accurate data even if the vessel is pitching.

- You can see that once the stabilizer is activated, the bottom echo recovers its clear echo.

- Quick train speeds allow the sonar display to be refreshed at a faster rate, aiding in earlier detection of fish and obstructions.

- Faster motor delivering quicker training speeds.

- 6 step angles for training speed adjustment according to user’s needs.

**Smart features**

- **Precision for clear echo**
  - Speed for quick finding
  - Fish school
  - 360° scanning
  - Vertical scan paints the bottom profile
  - Vertical and night colors (Blue, Black and White)
  - 3 different background colors are available for day and night colors.

- **New**
  - A full circle scan (360 degree), provided by a rotating transmitter, detects fish schools around the vessel.
  - When fully retracted, the vertically tilted transducer can locate fish schools and it becomes easier to understand the nature of this echo.
  - The strength of an echo is clearly shown and it becomes easier to understand the nature of this echo.
  - The more opaque the color, the stronger the echo. The strength of an echo is clearly shown.
  - The Full-circle A-Scope mode shows the nature of this echo.
  - Echo sounder + A-Scope
  - Horizontal + Vertical
  - A Vertical and a Horizontal scan are displayed in a split screen mode and targets can be tracked in these two dimensions at the same time. It is also possible to choose between Horizontal and Horizontal (zoomed) for the Horizontal scan.

- **Horizontal + A-scope**
  - This mode can simultaneously display the Horizontal and the Full-circle A-Scope so that echoes can be analyzed in details with the A-Scope mode, while the Horizontal mode swipes the sea around the ship. It is also possible to choose between two kinds of A-Scope mode: Full-circle A-Scope and A-Scope.

- **Horizontal + History**
  - Horizontal mode combined with a history mode offers the possibility to look at the past data on a vertical plane, while scanning horizontally around the vessel. It is very useful to grasp the movement of the fish and to know if the target is coming closer.

- **Echo sounder + A-Scope**
  - To simultaneously display Echo sounder mode and A-Scope mode.

**INTERCONNECTION DIAGRAM**

![Interconnection Diagram](image)
Quick Gain Control

Reverberation reduction

Advanced signal processing

Higher resolution due to its usefulness during long sea trips, as it frees the user from continuously watching the screen.

Whether there are air bubbles, fish schools or seabed, the emitted sound is unique. It is now easy to understand. The higher resolution display yields a presentation that is easy to understand. The higher resolution display yields a presentation that is easy to understand. The higher resolution display yields a presentation that is easy to understand. The higher resolution display yields a presentation that is easy to understand. The higher resolution display yields a presentation that is easy to understand.

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The reverberation reduction function highlights the wreck from the surrounding seabed.

Figure out intuitively what is detected by differenciating the detected object. The reverberation reduction offers better understanding and a better appreciation of the nature of detected echoes. On the right is an example of how the reverberation reduction function works.

With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information. With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information. With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information. With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information. With the Quick Gain Control, even in deep areas that slow down the scanning speed, there is no need to wait for the next passage of the searchlight and miss precious information.