



DownScan

App Guide

English

Software version: 2.1



NSS[®] 4 | Zeus[®] SR

NSX[®] | Zeus[®] S

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More information

Document version: 001

This document was prepared using software version 2.1.

Features described in this document may vary from your unit due to connected devices, settings, brand, and continuous software development.

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CONTENTS

- 4 Overview
- 4 Requirements
- 4 DownScan screen
- 5 DownScan image
- 6 Source selection and Play/pause pinging
- 7 Cursor position details
 - 7 Measure
 - 8 Add waypoint
 - 8 Navigate to a waypoint
- 9 DownScan history
- 10 Recording DownScan
 - 11 Recording settings
- 12 DownScan settings
 - 12 Range
 - 13 Frequency
 - 13 Contrast
 - 13 Palette
 - 13 TVG
 - 13 Zoom and range controls
 - 13 Range lines
 - 13 Reset to default
- 14 FishReveal
 - 14 Gain
 - 14 Color
 - 14 Palette
 - 14 Frequency
 - 14 TVG

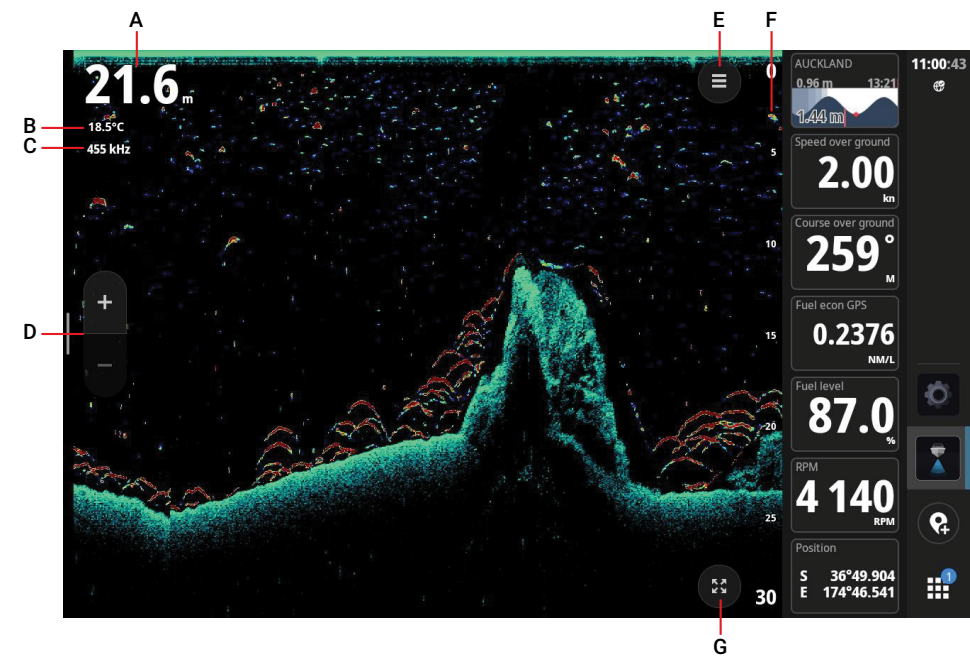
OVERVIEW

The DownScan app detects objects under water by emitting and receiving sound pulses from a transducer and displays the objects on the screen.

REQUIREMENTS

To use the DownScan app, a compatible transducer must be connected to the system. This guide describes features and options for a variety of supported transducers. The features and options available to you depend on the transducer connected to your system.

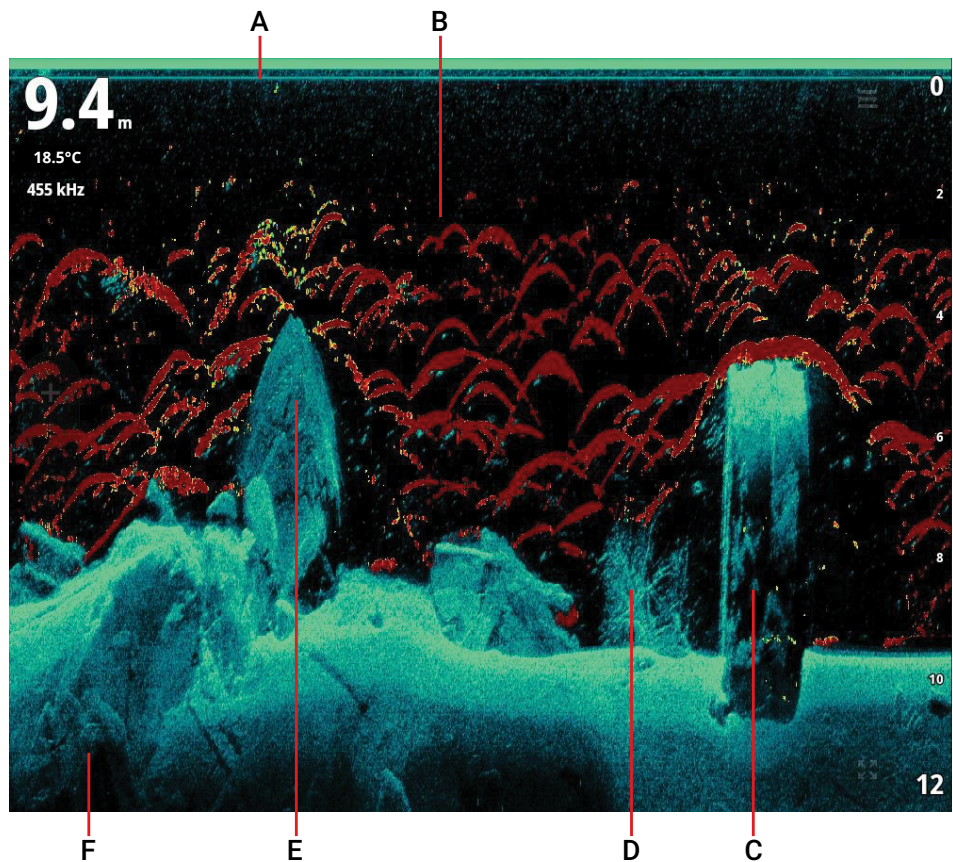
DOWNSCAN SCREEN



- A** Depth — depth to bottom from either the water line, bottom of the boat or the custom depth offset point. Select to adjust the number's font size.
- B** Temperature — water temperature at the transducer.
- C** Transducer operation frequency
- D** Zoom buttons
- E** DownScan settings button
- F** Depth scale
- G** Full screen button

DOWNSCAN IMAGE

The following is an example of a DownScan image.

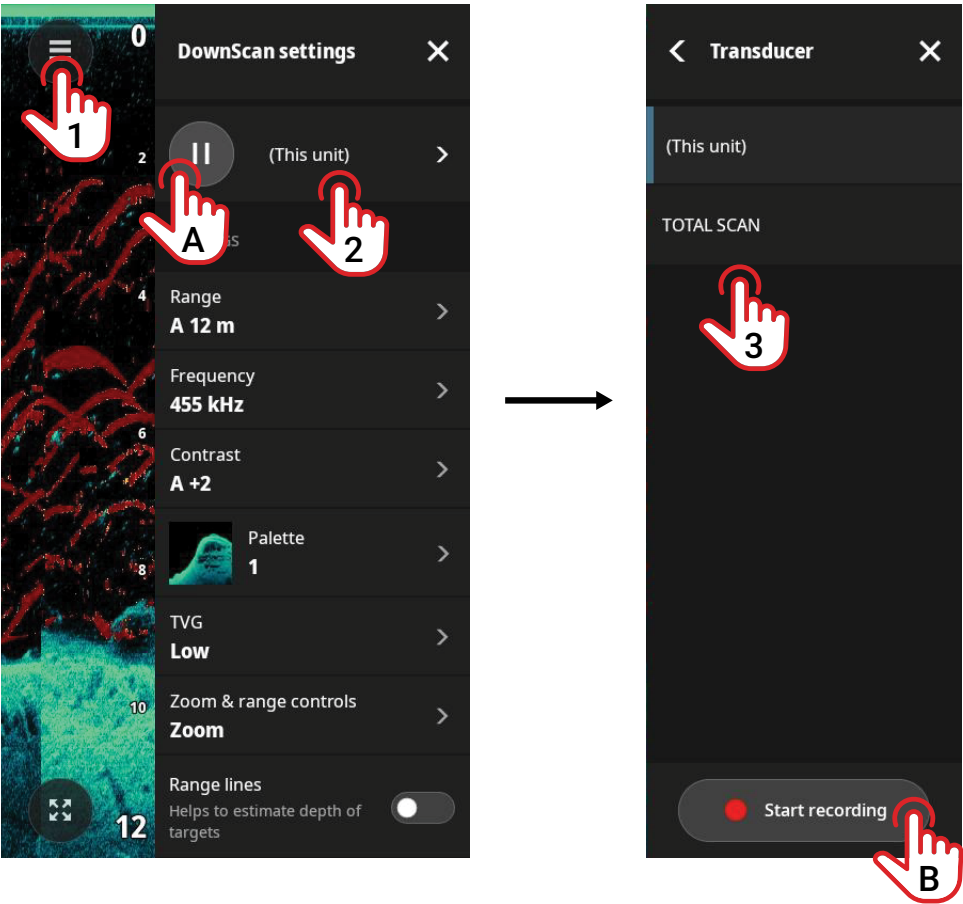


- A** Surface or transducer depth
- B** Fish arch — Fish arches indicate a presence of fish. These arches are more prominent when you turn on the FishReveal feature.
- C** Structure on bottom
- D** Brush pile on bottom
- E** Structure on bottom, possibly a rock.
- F** Bottom

SOURCE SELECTION AND PLAY/PAUSE PINGING

You can select a transducer connected directly to your display unit or one connected to your network.

Select the settings menu button (1), select the transducer (2), select any available transducers (3).

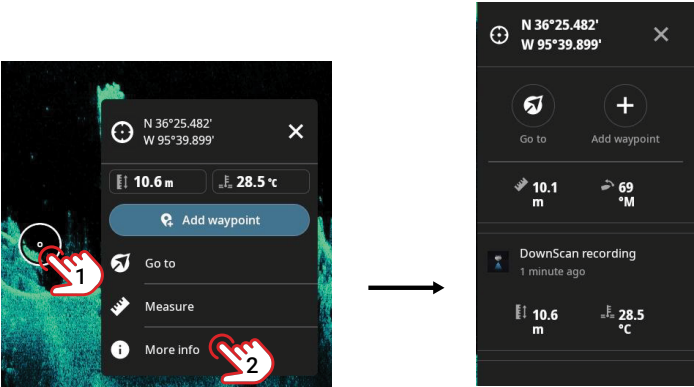


Select the pause button (A) to pause the transducer from pinging. The system does not collect data when the transducer is paused.

- **Note:** We recommend you pause the transducer when it is out of the water or when it is not in use for extended periods of time.
- **Note:** Select (B) to start/stop recording from the selected transducer.

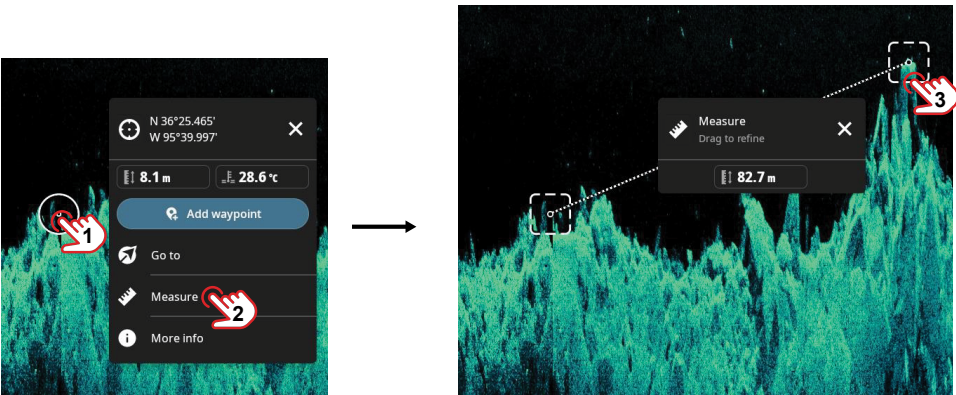
CURSOR POSITION DETAILS

When you select a location (1) on the screen, basic information like location, depth at the cursor position, and water temperature displays in a pop-up. To see detailed information select **More info** (2).



Measure

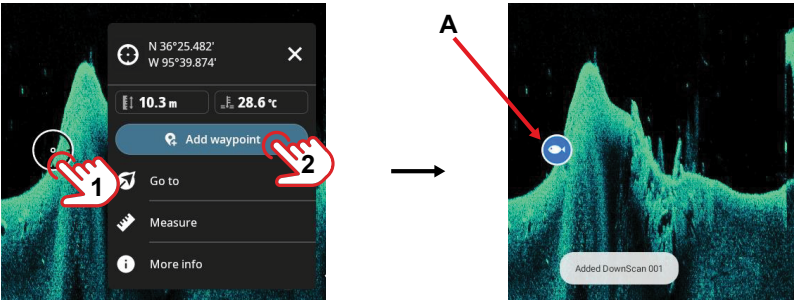
Use this tool to measure the distance between two points on the image. Select a point you want to start measuring from (1), select **Measure** (2), then select the end point (3). Drag the end point to another position on the screen to refine the measurement.



→ **Note:** You can also select another position on the screen, without dragging current end point.

Add waypoint

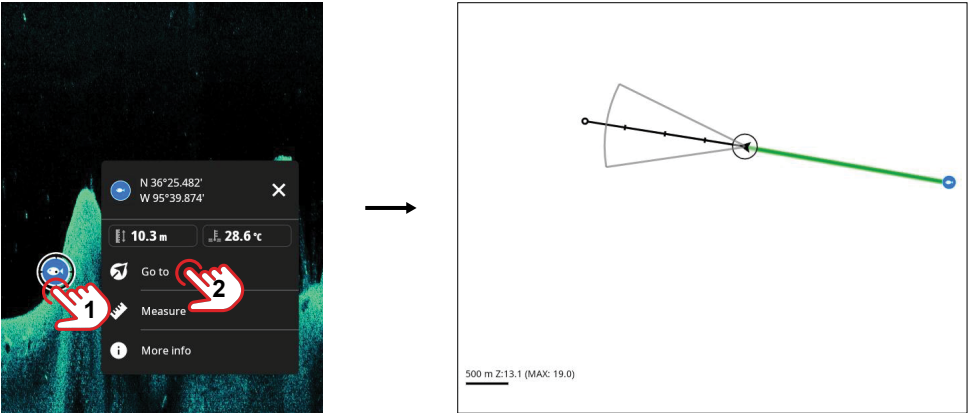
Select a position on the screen, and then select **Add waypoint (2)** on the pop-up. A waypoint marker (A) is added with a fish icon at the cursor location.



Navigate to a waypoint

You can navigate to a waypoint by positioning the cursor on a waypoint or other location (1), then select **Go to (2)**.

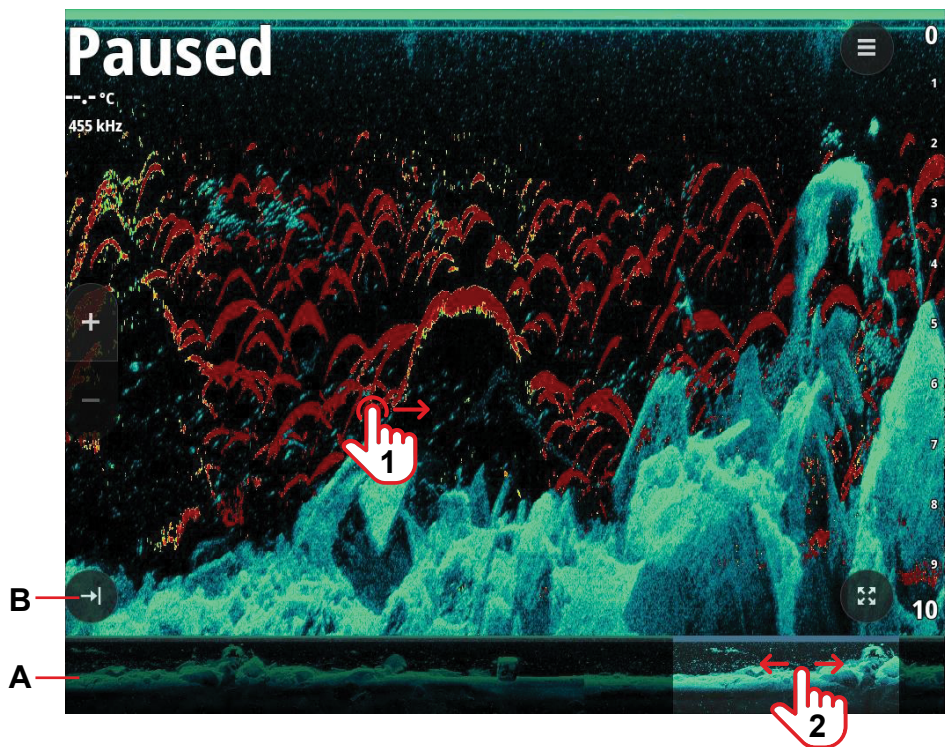
This loads the **Chart** app and auto-routing to the waypoint starts.



→ *Note: Autorouting will only start if the vessel set up is complete and autorouting information is available.*

DOWNSCAN HISTORY

When the transducer is playing (pinging), the image moves from right to left on the screen. The far right of the image shows the most current soundings and everything to the left of that is historical.

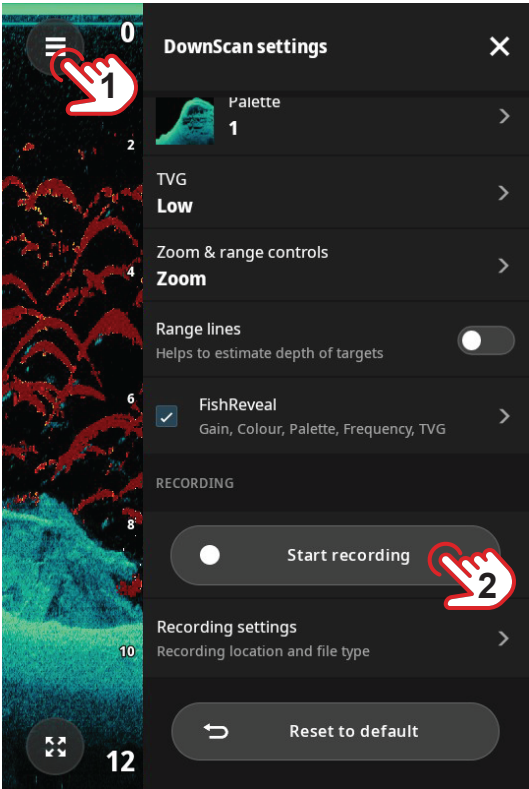


Tap and drag the screen to the right to view sounding history. This stops the main image from moving and displays the history bar (A) at the bottom of the screen. The history bar continues to move and highlights the historical area of the sounding you are viewing on the main image.

To view other areas of history, drag the highlighted area on the history bar to the left or right. Select the return button (B) to return to the current sounding's image and hide the history bar.

RECORDING DOWNSCAN

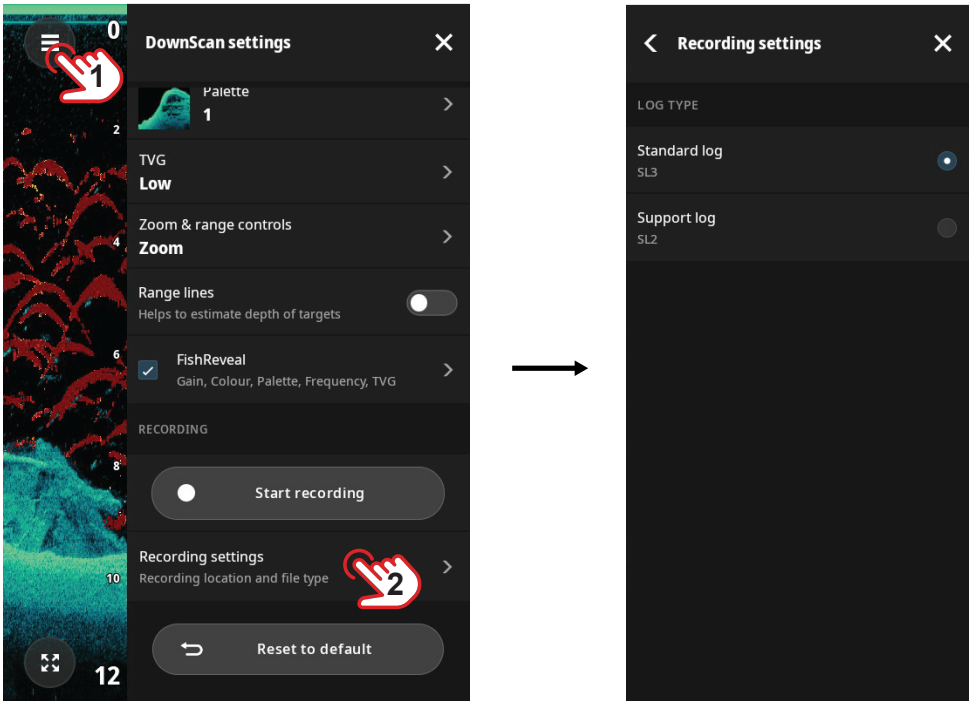
To create a DownScan recording, navigate to the settings menu (1), select **Start recording** (2). When selected, the button changes to **Stop recording**.



- *Note: A red dot flashes to indicate recording is active.*
- *Note: To save recordings, insert either a microSD® card or USB storage device into the unit. Recordings cannot be saved to the unit's internal storage.*

Recording settings

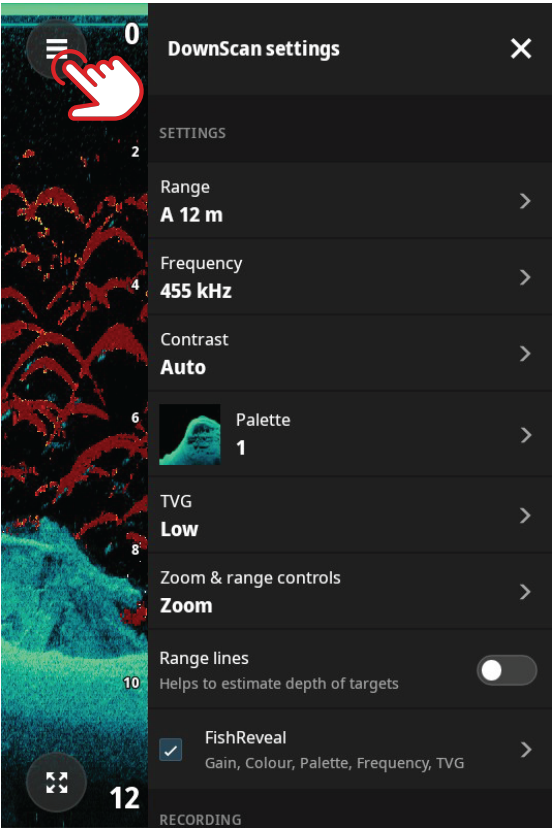
On the settings menu, select **Recording settings** to specify the recording log file type.



DOWNSCAN SETTINGS

Use the settings panel to configure DownScan options and settings.

→ **Note:** Only some of the options are described in this guide as these will vary depending on the hardware connected to the unit.



Range

This setting determines the water depth on the screen.

→ **Note:** Setting a deep range in shallow water may cause the system to lose track of the depth.

Auto mode or Manual mode

Use manual mode to view a specific vertical depth scale range that never changes. Use auto mode to view the full water column from surface to bottom.

However, there may be situations when manual mode is better, such as when you are looking for fish in the top 50 meters of the water column, or you are looking for a change in bottom type. In this case, an image below the bottom can show you the second echo and tell you the bottom type.

Frequency

Two frequencies are supported:

- 455 kHz has the best range but lower resolution
 - 800 kHz provides the highest resolution with lower range
- **Note:** If your DownScan transducer does not have the ability to change the frequency, the frequency menu option does not display.

Contrast

Determines the brightness ratio between the light and dark areas of the screen.

→ **Note:** We recommend you use the auto contrast option.

Palette

Choose a color palette to suit your requirements from 8 presets, or create your own custom color palette.

Select **Add +** to create a custom color palette. Turn on **Manage palettes** to view, create, and manage (edit, rename, import, export) all custom color palettes.

TVG

Wave action, boat wakes and temperature inversions can cause on-screen clutter near the surface. Increasing the TVG (Time Variable Gain) shows more detail on the screen, whereas decreasing it displays less detail. Too much detail clutters the screen.

→ **Note:** Some targets may not be displayed if the TVG is set too low.

Zoom and range controls

Use these settings to control the view type. Select between:

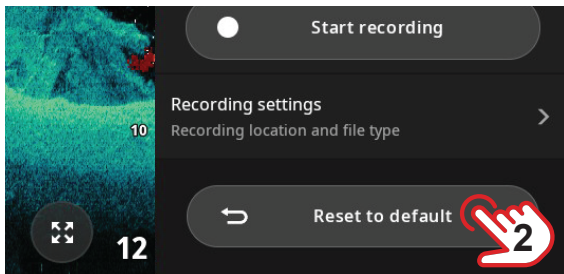
- Zoom – to magnify echo data.
- Range – to adjust the echo depth.

Range lines

Turn on range lines to display an overlay of lines. These help you estimate target depth.

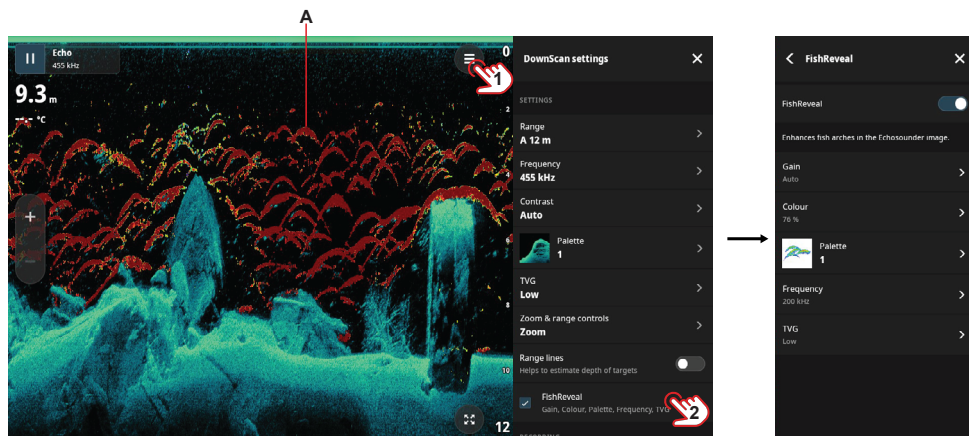
Reset to default

Select to restore the DownScan settings to their factory-supplied defaults.



FISHREVEAL

Turn on the FishReveal option to show fish arches (A) on the DownScan screen. Select to show the FishReveal settings.



Gain

Controls the sensitivity of the FishReveal data. Increasing sensitivity shows more detail on the screen, whereas decreasing sensitivity displays less.

Too much detail clutters the screen. If the sensitivity is set too low, weak fish arch data might not display.

Color

Adjusts the colors of the fish arches to help you differentiate them from other targets. Adjusting the color line can help separate fish and important structures on or near the bottom from the actual bottom.

Palette

Select between several display palettes optimized for a variety of fishing conditions.

Frequency

Available frequencies depend on the connected transducer. A lower frequency gives the best depth performance and a higher frequency gives the best resolution.

A lower frequency has a wider beam angle than a higher frequency. Select a lower frequency to get a wider beam angle for a larger scan area, or to produce larger fish arches on the screen.

TVG

Wave action, boat wakes and temperature inversions can cause on-screen clutter near the surface. Increasing the TVG (Time Variable Gain) shows more detail on the screen, whereas decreasing it displays less detail. Too much detail clutters the screen.

→ **Note:** Some targets may not be displayed if the TVG is set too low.

