

**LOWRANCE®**

# Eagle 4x

Operator Manual

English



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## Safety, disclaimer and compliance

This product's safety, disclaimer and compliance statements are supplied as a separate document.

## Warranty

This product's warranty is supplied as a separate document.

## About this manual

This manual is an instructional guide for operating the Eagle 4x.

This unit is only capable of the sonar views and frequencies indicated in the specification included in the installation guide for the transducer provided with the unit.

Eagle 4x should be used with the Bullet Skimmer transducer. The Bullet Skimmer transducer provides traditional sonar functionality.

Transducers added via one of the optional transducer adapter cables will still only have the available views and frequencies that the display is designed to work with. Airmar transducers are not supported via the adapter cable.

## More information

Document version: 001

This document was prepared using software version 1.00.00

Features described and illustrated in this guide may vary from your unit due to continuous development of the software.

For the latest version of this document in supported languages, and other related documentation, visit [www.lowrance.com/downloads/eagle](http://www.lowrance.com/downloads/eagle).

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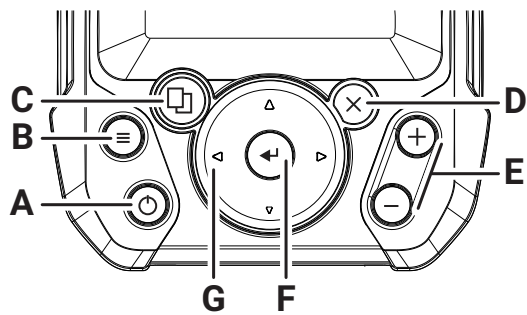
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# INTRODUCTION

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## Physical control keys



- A Power**  Press once to display the **System Controls** dialog.  
Press and hold to power the unit ON/OFF.  
Repeat short presses to cycle the backlight brightness.
- B Menu**  Press to display application settings.
- C Pages**  Press to cycle the pages.
- D Exit**  Press to navigate menus.
- E Zoom**   
 Press to confirm a selection in a menu or dialog.
- F Enter**  Press to zoom the image.
- G Arrows**  Press to return to the previous menu and to exit a dialog.

# BASIC OPERATION

## Turn unit ON/OFF

To turn the unit ON, press the power key.

To turn the unit OFF, press and hold the power key or select **Power Off** from the **System Controls** dialog.

## System Controls dialog

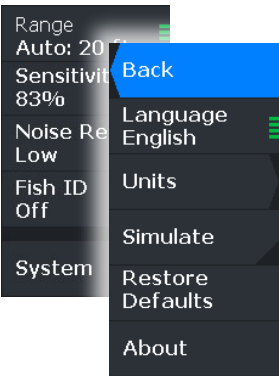


Press the power key once to access the **System Controls** dialog to:

- Power the unit ON/OFF
- Adjust **Brightness**
- Turn **Night Mode** ON/OFF
- Stop/start sonar

## System Settings

You can access system settings via the **System** option at the bottom of the sonar and flasher settings menus. You can configure the following options:



- |                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| <b>Language</b>         | Select to configure the device language.                                                             |
| <b>Units</b>            | Select to configure the units of measurement for various data types.                                 |
| <b>Simulate</b>         | Select to run a simulation to demonstrate the unit's features without a sensor or device connection. |
| <b>Restore Defaults</b> | Select to restore your unit to its default factory settings. Note: This action cannot be reversed.   |
| <b>About</b>            | Select to display copyright information, software version, and technical information for this unit.  |

# Display illumination

## Brightness

You can cycle the preset display brightness levels by repeated presses on the power key. The display backlight can also be adjusted from the **Brightness** setting in the **System Controls** dialog.

## Night mode

**Night Mode** can be activated from the **System Controls** dialog.

The **Night Mode** option optimizes the color palette for low light conditions.

## Using menus

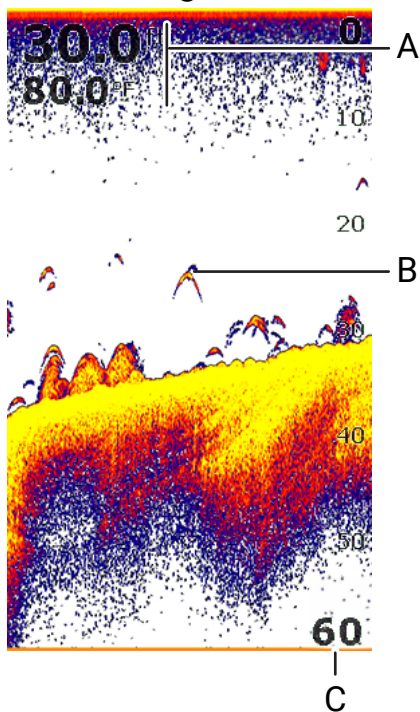
Activate menu items and toggle options ON/OFF with the enter key.

Adjust a slider value with the arrow keys.

# SONAR

The sonar function provides a view of the water and sea floor beneath your vessel, allowing you to detect fish and examine the structure of the bottom.

## Sonar image



- A** Sensor data
- Depth
  - Temperature
- B** Fish arches
- C** Range scale

## Zoom the image

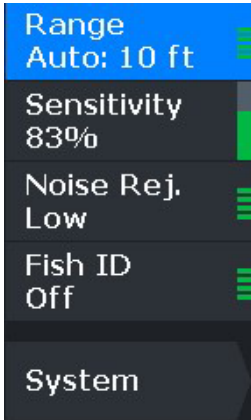
You can zoom the image by pressing the + and - keys.

When zooming in, the sea floor is kept near the bottom of the screen, irrespective of whether the unit is in auto-range or manual range.

If the range is set considerably less than the actual depth, the unit is not able to find the bottom when zooming.

# Customizing the image settings

By default, your unit is set to **Auto** mode, and the sonar app settings are automated. Press the menu key to access the sonar settings.



## Range

Select **Range** to configure the displayed water depth.

## Sensitivity

Increasing **Sensitivity** shows more detail on the screen.

Decreasing **Sensitivity** displays less detail. Too much detail can clutter the screen making it difficult to identify echoes.

Conversely, desired echoes may not be displayed if **Sensitivity** is set too low.

→ **Note:** Auto sensitivity is the preferred mode for most conditions.

## Auto sensitivity

Auto sensitivity automatically adjusts the sonar return to optimal levels. The setting can be adjusted to your preference while still maintaining the auto sensitivity functionality.

## Adjust sensitivity

- 1 Select the **Sensitivity** menu option.
- 2 Press enter to deactivate Auto sensitivity.
- 3 Use the arrows to adjust sensitivity to the desired level.
- 4 Press the exit key. Settings are automatically saved.

## Noise rejection

Signal interference from bilge pumps, engine vibration, and air bubbles can clutter the image.

The **Noise Rejection** option filters the signal interference and reduces on-screen clutter.

## Fish ID

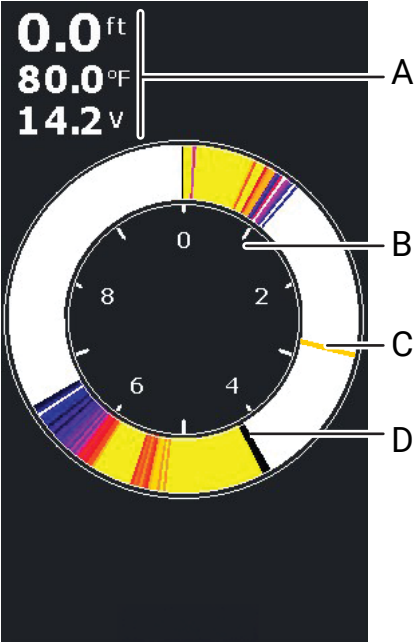
You can select how you want fish targets to appear on the screen.

→ **Note:** Not all fish symbols are actual fish.

# FLASHER

The flasher app gives a live sonar view, ideal for ice fishing and vertical jigging, where only real-time sonar data is needed, not the sonar history.

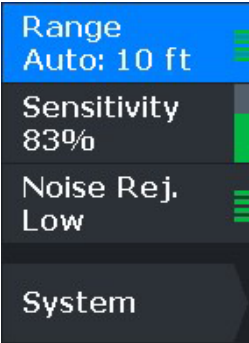
## Flasher image



- A Sensor data
  - Depth
  - Temperature
  - Supply voltage
- B Range scale
- C Water column activity
- D Bottom

## Customizing the image settings

By default, your unit is set to **Auto** mode, and the sonar app settings are automated. Press the menu key to access the sonar settings.



### Range

Select **Range** to configure the displayed water depth.

### Sensitivity

Increasing **Sensitivity** shows more detail on the screen. Decreasing **Sensitivity** displays less detail. Too much detail can clutter the screen making it difficult to identify echoes. Conversely, desired echoes may not be displayed if **Sensitivity** is set too low.

→ **Note:** Auto sensitivity is the preferred mode for most conditions.

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## **Noise rejection**

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# MAINTENANCE

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## Preventive maintenance

The unit does not contain any field serviceable components. Therefore, the operator is required to perform only a very limited amount of preventative maintenance.

It is recommended that you always fit the protective sun cover when the unit is not in use. The protective sun cover is an accessory sold separately. Refer to the installation guide provided with your unit.

 **WARNING:** The sun cover is not intended to be used when the vessel is in motion or in tow. It may become detached at high speeds. Always remove the sun cover before traveling.

## Checking the connectors

Periodically, push the connector plugs into the connector. If the connector plugs are equipped with a lock or a position key, ensure it is in the correct position.

## Cleaning the display unit

### Screen

- A micro-fiber or a soft cotton cloth should be used to clean the screen. Use plenty of water to dissolve and take away salt remains. Crystallized salt, sand, dirt, etc. can scratch the protective coating if using a damp cloth. Use a light fresh water spray then wipe the unit dry with a micro-fiber or a soft cotton cloth. Do not apply pressure with the cloth.

### Housing

- Use warm water with a dash of liquid dish soap or detergent.
- Avoid using abrasive cleaning products or products containing solvents (acetone, mineral turpentine, etc.), acid, ammonia, or alcohol as they can damage the display and plastic housing.

 **WARNING:** Do not use a jet or high-pressure wash.

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