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You can read the recommendations in the user guide, the technical guide or the installation guide for GARMIN ECHO 150. You'll find the answers to all your questions on the GARMIN ECHO 150 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual GARMIN ECHO 150**
**User guide GARMIN ECHO 150**
**Operating instructions GARMIN ECHO 150**
**Instructions for use GARMIN ECHO 150**
**Instruction manual GARMIN ECHO 150**

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***Manual abstract:***

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*garmin.com/support and click Contact Support for in-country support. Manual Conventions In this manual, the term "select" is used to describe these actions: · Highlighting an item in a menu and pressing ENTER. · Pressing a key, such as ENTER or MENU. When you are instructed to select menu items, small arrows (>) may appear in the text. @@@@· Go to http://my.garmin.com. @@You must also configure these settings when restoring original factory settings. You can update each of these settings later.*

*1. 2. 3. 4. Select a language. Select the units in which to measure depth. Select the units in which to measure temperature. Select Done. Adjusting the Contrast MEnU EnTEr Displays a list of options or returns you to your previous screen. Selects a menu item.*

*Scrolls through options or changes settings. Turns the device on or off and adjusts the backlight. 1. From the Sonar screen, select MENU > Setup > System > Contrast. 2.*

*Select or . 3. Select ENTER. 1. Press and quickly release .*

*2. Repeat to cycle through the brightness settings. Adjusting the Backlight Turning On and Turning Off the Device Press and hold . 2 echo 100 and echo 150 Owner's Manual Getting Started Setting the Beeper You can set when the device makes audible sounds. 1. @@2. @@@@You can set the device to turn on when power is applied. Otherwise, press to turn on the device. @@@@@@Bottom depth , water temperature (if a temperature-capable transducer is connected), and transducer frequency are indicated on the left side of the screen. NOTE: The echo 100 operates only at 200 kHz, so the frequency is not displayed on the screen.*

*Adjusting the range of the Depth Scale Sonar Screen You can adjust the range of the depth scale that appears on the right side of the screen. This setting determines how deep the sonar will search for returns. 1. From the Sonar screen, select MENU > Range. 2. Select an option: · To allow the device to adjust the range automatically based on the depth, select Auto. · To increase or decrease the range of the depth scale manually, select Manual, select or , then select ENTER. Adjusting the Zoom on the Sonar Screen Manually You can manually adjust the zoom of the Sonar screen by selecting the span of the view and selecting a fixed starting depth. For example, if you select a span of 15 feet and a starting depth of 5 feet, the device will display an area from 5 feet deep to 20 feet deep. 1.*

*From the Sonar screen, select MENU > Zoom > Manual. 2. Select the span you would like to show. 3. Select the starting depth.*

*4 echo 100 and echo 150 Owner's Manual Using the echo 100 and echo 150 Adjusting the Zoom on the Sonar Screen Automatically Setting the Gain to Auto You can adjust the zoom of the Sonar screen by selecting the span of the view and locking the screen to the contour of the water bottom. For example, if you select a span of 10 meters, the device will display an area from the water bottom to 10 meters above the bottom. 1. From the Sonar screen, select MENU > Zoom > Auto. 2.*

*Select the span you would like to show. 3. Select the starting depth. 1. From the Sonar screen, select MENU > Gain. 2. @@@@@@@@1. From the Sonar screen, select MENU > Setup > Alarms. 2. @@@@3.*

*Select the depth that triggers the alarm. @@To see more detail, increase the gain. If the screen is cluttered, decrease the gain. @@1. From the Sonar screen, select MENU > Gain > Manual. 2. @@3. @@1. @@2. Select the low battery voltage that triggers the alarm.*

*@@@@@@The 77 kHz frequency penetrates deep water more effectively and has a wider beam, so it can be used to cover a larger area. 1. From the Sonar screen, select MENU > Setup > Sonar > Frequency. 2. Select a frequency.*

*Setting Fish Alarms You can set an alarm to sound when the device detects a suspended target. @@@@@@1. From the Sonar screen, select MENU > Setup > Sonar > Scroll. 2. @@1.*

*@@2. @@· To show suspended targets as symbols with target depth information, select . · To show suspended targets as symbols with background sonar information, select . · To show suspended targets as symbols with background sonar information and target depth information, Select . 6 echo 100 and echo 150 Owner's Manual Appendix Appendix Specifications Specification Display Temperature Range Compass Safe Distance Frequency Power Source Voltage Range Fuse Freshwater Depth Saltwater Depth Measurement 4 in. (102 mm) diagonal, 256 × 160 pixels, 8-level gray From 5°F to 158°F (from -15°C to 70°C) 10 in. (250 mm) echo 100: 200 kHz echo 150: 77 kHz or 200 kHz 1020 Vdc AGC/3AG - 3.0 A echo 100: 600 ft. (183 m) echo 150: 1300 ft. (396 m) echo 100: 300 ft.*

*(91 m) echo 150: 500 ft. (152 m) Viewing System Information Setting the Language From the Sonar screen, select MENU > Setup > System > System Information. 1. @@2. @@1. @@2. @@If necessary, use water, isopropyl alcohol, or eyeglass lens cleaner. 1. Apply the liquid to the cloth. 2. @@PLEASE READ THIS AGREEMENT CAREFULLY. Garmin Ltd. and its subsidiaries ("Garmin") grant you a limited license to use the software embedded in this device (the "Software") in binary executable form in the normal operation of the product. Title, ownership rights, and intellectual property rights in and to the Software remain in Garmin and/or its third-party providers. You acknowledge that the Software is the property of Garmin and/or its thirdparty providers and is protected under the United States of America copyright laws and international copyright treaties.*

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