
Owner's Manual

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Getting Started

WARNING

Always inspect your equipment prior to using. Before use know your object and what lies beyond your object for safety purposes. You are responsible for understanding and complying with any applicable regulations.

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Video tutorials for installing and setting up your device are available at www.garmin.com/.

Device Overview

①	LCD screen	Displays target range and device settings
②	Buttons	Select to move through menus, select options, and configure the device (<i>Buttons, page 1</i>)
③	trigger	Hold to activate Tap to reset the pin timer or display fixed pins.
④	Mounting rail	Attaches the device to the included mount
⑤	Level	Shows when the device is level
⑥	Optic	Displays the pins
⑦	Battery door	Remove to install batteries
⑧	light receiver	Receives light light for measuring the distance to a target
⑨	light emitter	Emits light light for measuring the distance to a target
⑩	Device label	View FDA information

Buttons

- Press **OK** to open the main menu and select menu options.

- Press **<** or **>** to move through menus.
- Press **<** or **>** to adjust the pin brightness.
- Hold **<** or **>** to set a pin manually.
- Press **↶** to return to a previous menu.
- Press **↷** to turn the device on.
- Hold **↷** to turn the device off.

Installing AAA Batteries

The device operates on two AAA lithium batteries (not included). Lithium batteries are required for this device. Alkaline and NiMH batteries do not meet the power requirements for auto-ranging functionality. When using alkaline or NiMH batteries, the functionality may be reduced to standard fixed pin sighting only.

- Using a 5/64 inch hex wrench, loosen the four screws ①, and remove the battery door ② from the side of the device.

- Insert two AAA lithium batteries into the device, observing polarity.
- Replace the battery cover, and secure the screws.

Mounting the Sight

- Insert the curved rail mount ① from the back of the sight into the grooves at the front of the mount assembly ②.

- Align the device on the mount with the center device on the curved rail.
- Using a 7/64 inch hex wrench, tighten the screw at the front of the rail mount ③ to a maximum torque specification of 2.2 N-m (20 lbf-in).
- Align the large holes on the mount ④ with the mounting holes on the side of your device.

5 Using a 1/8 inch hex wrench, secure the mount using the included mounting screws ⑤.

6 Tighten the mounting screws to a maximum torque specification of 6.7 N-m (60 lbf-in).

NOTE: Do not exceed the manufacturer's recommended torque values.

Securing the Trigger

1 Position the ranging trigger ① on the grip of your device where you can comfortably activate it at full draw.

NOTE: You should confirm the trigger and the trigger cable are positioned so they do not interfere with the operation of the device.

2 Secure the trigger to the device using the included tape ②.

TIP: You can use the extra piece of tape to secure the trigger cable to the riser.

Turning the Device On or Off

1 To turn on the device, press .

2 To turn off the device, hold  for 3 sec.

Calibrating the Sight

The first time you turn on the device, you are prompted to go through initial setup steps. You can view tutorial videos at www.garmin.com/.

1 Select a language.

2 Select a unit of measure.

3 Select **Yes** to start the pin calibration procedure.

4 Select a ranged pin color (A1i model only).

5 If necessary, select **Yes** to adjust the pin and rangefinder reticle brightness and follow the on-screen instructions.

6 Set the primary pin (*Setting the Primary Pin, page 2*).

7 Select **Done**.

8 Align the rangefinder with the primary pin (*Aligning the Rangefinder with the Primary Pin, page 3*).

9 Select **Done**.

10 Follow the on-screen instructions to complete the pin calibration procedure and set pins for additional distances.

Setting the Primary Pin

The primary pin is a fixed point on the device optic that points along the same axis as the light device. You can change the primary pin's alignment by adjusting the straight vertical and horizontal adjustments on the mount. After you set the primary pin, you can set additional pins for different distances using the device software.

1 Aim at a target that is a minimum distance of 15 m (15 yd.) away.

2 Activate your device.

3 Looking through your device's sight, align the primary pin ① with the center of the object ②.

4 Confirm the bubble in the level ③ is centered between the lines.

5 Move at the object, and observe the direction. 6

Using a 7/64 inch hex wrench, loosen the vertical ④ adjustment on the mount.

7 Move the vertical adjustment in the direction of the point of impact.

8 Tighten the vertical adjustment to a maximum torque specification of 2.2 N-m (20 lbf-in).

9 Using a 7/64 inch hex wrench, loosen the horizontal ⑤ adjustment on the mount.

10 Move the horizontal adjustment in the direction of the point of impact.

- 11 Tighten the horizontal adjustment to a maximum torque specification of 2.2 N-m (20 lbf-in).
- 12 Continue adjusting the mount, as needed, until the point of aim and the point of impact are the same.
TIP: You should adjust the mount in the direction of the point of impact. For example, if the impact is low and right, you should adjust the mount down and right. You should always tighten the mount screws to a maximum torque specification of 2.2 N-m (20 lbf-in) between adjustments.

Aligning with the Primary Pin

The circular rangefinder reticle indicates the direction the light is pointing. For best accuracy, you must align the circular reticle with the primary pin.

- 1
- 2 Align the sight with the sight housing ring.
- 3 Observe the arrows ① on the reticle.

The arrows indicate the direction you must move the curved adjustments on the mount.

- 6 Tighten the curved adjustments to 2.2 N-m (20 lbf-in).

Using the Device

Before you can use the device, you must calibrate it for your equipment (*Calibrating the Device*, page 2).

- 1
- 2 Hold the trigger.
- 3 Align the primary pin with the reticle, and aim at the object.
- 4 While holding the reticle on the object, release the trigger.
 The device displays the range and projects a new pin.

- 5 Using the new pin, aim at the object.

Measurements

When you activate the device it displays three numbers on the LCD display. The device uses these measurements to adjust the position of the pin.

- 4 Using a 7/64 inch hex wrench, adjust the curved vertical ② and curved horizontal ③ adjustments on the mount in the directions indicated. For example, if it points up and right, move the curved mount pieces up and right.

TIP: Each mark on the curved adjustments indicates one degree. Garmin® recommends moving only one or two degrees at a time when making adjustments.

- 5 Continue adjusting the mounts until the primary pin is centered in the circle of the rangefinder reticle ④ .

①	Line-of-sight distance	The measured distance between the device and the object.
②	Adjusted distance	The horizontal distance to the object, which is calculated using the angle of measurement.
③	Angle of measurement	The angle of the measurement between the device and the object.

Setting a Manual Range

You can set a pin for a specific range manually. This can be useful if your device is low on battery, or if you plan a specific range.

- 1 Hold < or >.
 The device changes to manual ranging mode.

- 2 Select  or  to select a range.

Main Menu

Select **OK** to open the main menu.

	Enables use mode
	Enables practice mode
	Opens the brightness settings menu
	Opens the profile menu
	Opens the pin settings menu
	Opens the Locate™ menu
	Opens the sdynamics menu
	Opens the device settings menu

Use Mode

Use mode enables features to help you make ranged shots more quickly. When use mode is enabled, shot locations are saved automatically. This can help you when using the device with a compatible handheld GPS device.

NOTE: The Locate feature is available only on some versions.

Practice Mode

Practice mode enables features to help you improve your accuracy when practicing. After each use, the device automatically displays your dynamics for the current session. You can use this information to be more consistent.

NOTE: Dynamics features are available only on some versions.

Adjusting Brightness

The device contains an ambient light sensor to set your pin and brightness automatically. You can adjust your pin and brightness preferences if you prefer a different level of brightness. You can also adjust the pin brightness quickly by tapping  or .

- 1 From the main menu, select .
- 2 Select an option:



- To adjust the pin brightness, select **Pins**.
- To adjust the reticle brightness, select **Reticle**.
- To adjust the screen backlight brightness, select **Backlight**.
- To change the backlight timeout, select **Backlight Timeout**.

Adding Profiles

NOTE: Profiles are available only on A1i models.

You can add profiles for use with different items, lengths, or weights. You should set a different profile for each type you use, or for each time you change your configuration.

- 1 From the main menu, select  > **Add Profile**.
- 2 Enter a name for the profile. 

TIP: You can press  or  to move through the menu. You can press **OK** to enter a letter.

- 3 Select  to confirm the name.
- 4 Select **Yes** to begin calibrating the profile.

Managing Profiles

- 1 From the main menu, select .
- 2 Select an profile.
- 3 Select an option:
 - To activate the profile, select **Activate**.
 - To edit the profile name, select **Edit Name**.
 - To reset all calibration data for the current profile, select **Reset Profile**.
 - To delete the profile, select **Delete**.

Pin Calibration

Calibrating Additional Ranges

You can add ranged pins to increase the accuracy of your use at different distances. Calibrated ranges apply only to the active profile.

- 1 From the main menu, select .
- 2 Select **Calibrated Ranges** > **Add Range**.
- 3 Follow the on-screen instructions on your device to calibrate the device for the new distance.

Fixed Pins

You can set the device to use fixed pins for multiple ranges. This enables the device to work like a conventional fixed pin sight. Fixed pins have a lower power requirement, and you can use fixed pins if your battery is too low to range. You can set fixed pins for any range between the highest and lowest calibrated ranges.

When using either mode, you can select  or quickly tap the trigger to display fixed pins at any time.

Setting Fixed Pins

Before you can set fixed pins, you must calibrate the device for your current configuration ([Calibrating the Device, page 2](#)).

- 1 From the main menu, select .
- 2 Select **Fixed Pins** > **Add Pin** .
- 3 Select a range.
- 4 If necessary, repeat steps 2 and 3 to add additional fixed pins.

Changing the Fixed Pin Color

NOTE: Pin color options are available only on some versions. There is a small offset between red and green pins. The offset does not affect accuracy. Garmin recommends choosing only one color of pin when setting fixed pins for long distances.

- 1 From the main menu, select  > **Fixed Pins**.
- 2 Select a pin. 
- 3 Select **Color**.
- 4 Select a color.

Deleting Fixed Pins

- 1 From the main menu, select  > **Fixed Pins**.
- 2 Select a pin. 
- 3 Select **Delete Pin**.

Locations

NOTE: The Locate feature is available only on some versions. When your device is in use, it creates a record of the heading and ranged distance each time. You can send this data to a compatible Garmin device. This can be useful. Locations appear in the Locations widget or

app on your compatible device. You can adjust the broadcast settings from the settings menu on your device ([Location Settings, page 5](#)).

NOTE: You may need to update the software for your compatible device before you can use the Locations app ([Product Updates, page 6](#)).

Sending Locations to a Device

You can manually send locations to a compatible Garmin device.

1 From the main menu, select .

2 Select a location.

3 Select **Yes**.

The device sends the selected location to your compatible Garmin device.

Viewing Dynamics

NOTE: Dynamics features are available only on some versions.

When you use the device in practice mode, statistics regarding your dynamics are recorded on your device. You can use this feature as a reference to help you improve your accuracy.

1 From the main menu, select .

2 Select **<** or **>** to scroll through recorded statistics.

Dynamics

Impulse Duration: A measurement of the amount of time.

Roll: A measurement in degrees.

Device Settings

The device settings allow you to customize the device for your needs.

From the main menu, select .

Pins: Sets the appearance and timeout of the pins on your device ([Pin Settings, page 5](#)).

Align Reticle: Turns on the reticle and primary pin.

You can use this option to align, as needed.

Locations: Sets the broadcast mode for locations ([Location Settings, page 5](#)).

Dynamics: Enables or disables notifications and clears history ([Dynamics Settings, page 5](#)).

NOTE: This setting is available only on some versions.

Units: Sets the units of measurement used by the device ([Units Settings, page 5](#)).

Language: Sets the device language.

Level: Displays the angle. You can use this option to adjust the position of the bubble level.

Custom Top Pin Placement: Sets the position of the top pin within the device optic ([Customizing the Position of the Top Pin, page 5](#)).

Reset All Settings: Resets all settings to factory default values.

About: Displays regulatory and compliance information.

Pin Settings

Pin settings allow you to customize the appearance of pins and the length of time pins are displayed on your device.

From the main menu, select  > **Pins**.

Timeout: Sets the length of time before a ranged pin disappears when using use mode.

Practice Timeout: Sets the length of time before a ranged pin disappears when using practice mode.

Ranged Pin Color: Sets the color of the ranged pin.

Location Settings

From the main menu, select  > **Locations**.

Broadcast Mode: Sets the security of location

Dynamics Settings

From the main menu, select  > **Dynamics**.

Notifications: Enables or disables notifications.

Clear Session Odometer: Clears the history for the current session.

Clear Total Odometer: Clears the entire history

Units Settings

From the main menu, select  > **Units**.

Distance: Sets the unit of measure for distance.

Decimal Precision: Sets more precise measurements. Measurements are rounded to the nearest 1/10th of a meter or yard.

Customizing the Position of the Top Pin

For configurations that require additional vertical adjustment, you can customize the position of the top pin.

NOTE: Changing the position of the top pin will clear all profile settings.

1 From the main menu, select  > **Custom Top Pin Placement**.

2 Select **Yes**.

3 Press **<** or **>** to adjust the position of the top pin.

4 Press **OK**.

5 Follow the on-screen instructions to calibrate the device for the new top pin position ([Setting the Primary Pin, page 2](#)).

Device Information

Device Specifications

Battery type	Replaceable 1.5 V AAA lithium
Battery life	Up to 25,000 ranges Up to 1 year in standby mode
Operating temperature range	From -20° to 60°C (from -4° to 140°F)
Water rating	IEC 60529 IPX7*
Wireless frequency/protocol	ANT® 2.4 GHz @ 3 dBm nominal

*The device withstands incidental exposure to water of up to 1 m for up to 30 min. For more information, go to www.garmin.com/waterrating.

Viewing E-label Regulatory and Compliance Information

The label for this device is provided electronically. The e-label may provide regulatory information, such as identification numbers provided by the FCC or regional compliance markings, as well as applicable product and licensing information.

- 1 Select **OK** to open the menu.
- 2 Select .
- 3 Select **About**.

Product Updates

On your computer, install Garmin Express™ (www.garmin.com/express).

This provides easy access to these services for Garmin devices:

- Software updates
- Product registration

Updating the Software Using a Computer

You can use Garmin Express software to download and install the latest software updates for your device. Garmin Express is available for Windows® and Mac® computers.

- 1 On your computer, go to garmin.com/express.
- 2 Select an option:
 - To install on a Windows computer, select **Download for Windows**.
 - To install on a Mac computer, select **Download for Mac**.
- 3 Open the downloaded file, and follow the on-screen instructions to complete the installation.
- 4 Open the Garmin Express application.
- 5 Connect your device to your computer using a micro-USB cable ([Connecting the Device to Your Computer](#), page 6).
- 6 From the Garmin Express application, click **Add a Device**.
The Garmin Express software detects your device.
- 7 Click **Add Device**.
- 8 Follow the on-screen instructions to register your device and add it to the Garmin Express software.
When setup is complete, the Garmin Express software searches for software updates for your device.
- 9 Select an option:
 - To install all available updates, click **Install All**.
 - To install a single update, click **View Details** and select an update.
- 10 When the software update is complete, disconnect the device from your computer.
- 11 Reinstall the battery door.
The next time you start your device, it installs the software update.

Connecting the Device to Your Computer

Before you can connect the device to your computer, you may need to remove optional accessories.

- 1 Using a 5/64 inch hex wrench, loosen the four screws securing the battery door.
- 2 Remove the battery door, and set it aside.
NOTE: Do not remove the batteries.
- 3 Plug the small end of the USB cable into the USB port ① on the device.

- 4 Plug the large end of the USB cable into a computer USB port.
- 5 If the device is turned off, select  to turn on the device.
The device enters USB mass storage mode.

Device Care

NOTICE

Avoid extreme shock and harsh treatment, because it can degrade the life of the product.

Do not use a sharp object to clean the device.

Avoid chemical cleaners, solvents, and insect repellents that can damage plastic components and finishes.

Do not store the device where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.

Cleaning the Device

- 1 Dampen a soft, clean, lint-free cloth with fresh water.
- 2 Gently wipe the device.

Getting More Information

You can find more information about this product on the Garmin website.

- Go to support.garmin.com.
- Go to <http://buy.garmin.com>, or contact your Garmin dealer for information about optional accessories and replacement parts.