

GARMIN®



Owner's Manual

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Table of Contents

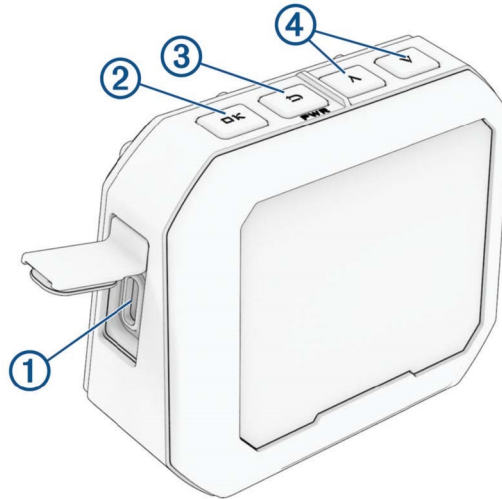
Introduction.....	1
Device Overview	1
Installing the Tripod.....	1
Charging the Device.....	2
Turning the Device On or Off.....	2
Alignment Considerations.....	2
Starting a Session.....	2
Starting a Bow Session.....	3
Starting a Rifle Session.....	4
Starting a Pistol Session.....	5
Starting an Air Rifle Session.....	6
Starting a Session for Other Projectiles.....	7
Pausing a Session.....	7
Ending a Session.....	7
Shot Data.....	8
Changing Data Fields.....	8
Data Fields.....	9
Core App.....	9
Settings.....	9
Changing the Units of Measure.....	9
Changing the Backlight Brightness.....	9
Changing the Device Language.....	9
Clearing Device Data.....	10
Device Information.....	10
Viewing E-label Regulatory and Compliance Information.....	10
Getting More Information.....	10
Product Updates.....	10
Specifications.....	10
Troubleshooting.....	10
The chronograph is not detecting my shot velocity.....	10
The chronograph is detecting shots from the shooter next to me.....	11

Introduction

⚠ WARNING

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

Device Overview

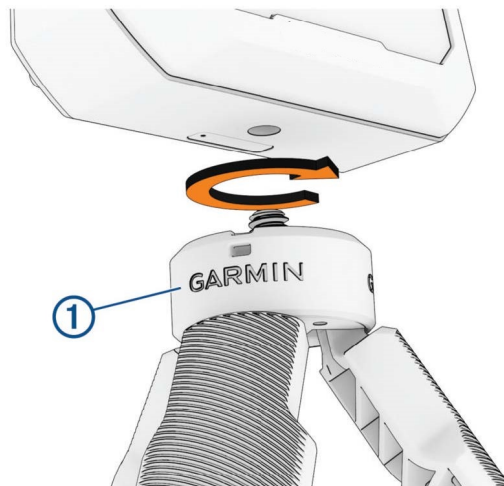


- ① **USB-C® port (under weather cap):** Connect the USB-C cable to charge the device or download software updates using your computer.
- ② **OK:** Press to select menu options.
- ③ **↻ (PWR):** Press to turn the device on.
Press to return to the previous screen.
Hold for two seconds to turn off the device.
- ④ **^ v:** Press to scroll through the menu.

Installing the Tripod

The tripod mount uses 1/4-20 thread size and is compatible with most tripods.

Screw the tripod ① into the bottom..



Charging the Device

WARNING

This product contains a lithium-ion battery. To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

NOTICE

To prevent corrosion, thoroughly dry the USB port, the weather cap, and the surrounding area before charging or connecting to a computer.

The device is powered by a built-in lithium-ion battery that you can charge using a standard AC adapter or a USB port on your computer.

NOTE: The device will not charge when outside the approved temperature range (*Specifications, page 10*).

- 1 Pull up the weather cap from the USB-C port.
- 2 Plug the small end of the USB cable into the USB-C port on the device.
- 3 Plug the large end of the USB cable into an external power source, such as an AC adapter or a USB port on your computer.
- 4 Charge the device completely.
It can take up to 4 hours to fully charge the battery.

Turning the Device On or Off

- To turn on the device, press **PWR**.
- To turn off the device, hold **PWR** for 2 seconds.

Alignment Considerations

For best results, you should always follow these alignment considerations while using your chronograph.

- Always observe the position diagram that appears before each session.
- Always ensure the large, flat side of the chronograph is pointed at the target and the screen is facing you.
- Always ensure the chronograph has an unobstructed view of the target.
- Always ensure the projectile can travel at least 20 meters or 20 yards in front of the chronograph.

Starting a Session

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

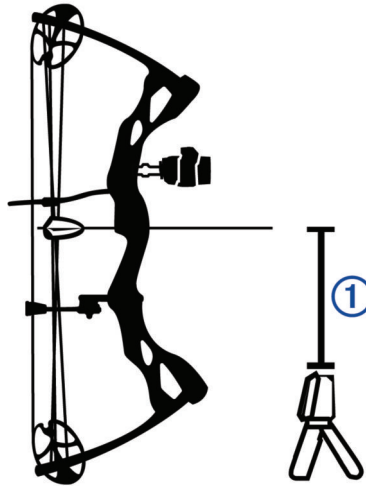
- 1 Select **NEW SESSION**.
- 2 Select a mode.
- 3 Follow the on-screen instructions to enter projectile information and position the chronograph for the selected mode.
- 4 Press **OK**.

Starting a Bow Session

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

- 1 Select **NEW SESSION > BOW**.
- 2 Point the chronograph at the target.
- 3 If necessary, observe the alignment diagram and press **OK** to continue.
- 4 Hold the bow over the chronograph so that the arrow is from 15 to 35 cm (5 to 15 in.) above the chronograph ^①.



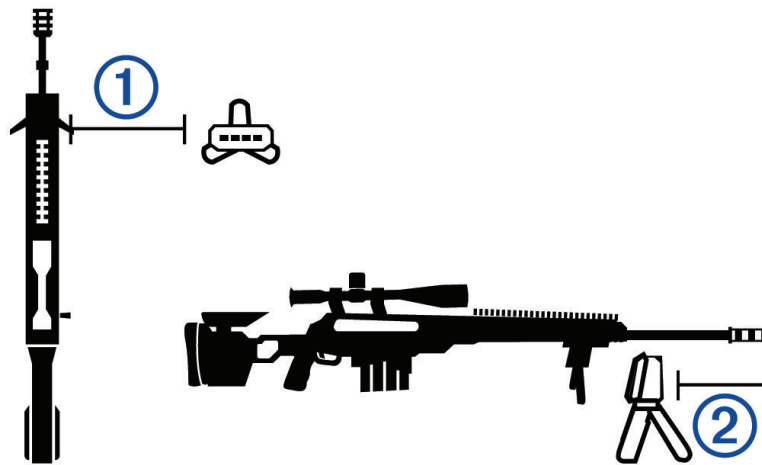
The device detects shots and displays measurements automatically as you shoot.

Starting a Rifle Session

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

- 1 Select **NEW SESSION > RIFLE**.
- 2 Select a velocity range.
- 3 Select an option:
 - To calculate the kinetic energy of your bullet, select **YES**, and enter the weight of your bullet.
 - To continue without calculating kinetic energy, select **SKIP**.
- 4 If necessary, observe the alignment diagram and press **OK** to continue.
- 5 Position the rifle next to the chronograph so they are from 15 to 35 cm (5 to 15 in.) from each other ①, and the chronograph is no more than 35 cm (15 in.) behind the barrel ②.



NOTE: The chronograph can be positioned on either side of the rifle.

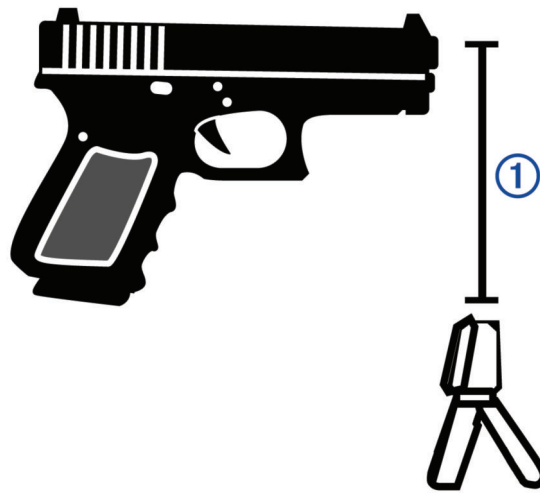
- 6 Point the chronograph at the target with the screen facing you.
The device detects shots and displays measurements automatically as you shoot.

Starting a Pistol Session

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

- 1 Select **NEW SESSION > PISTOL**.
- 2 Select a velocity range.
- 3 Select an option:
 - To calculate the kinetic energy of your bullet, select **YES**, and enter the weight of your bullet.
 - To continue without calculating kinetic energy, select **SKIP**.
- 4 If necessary, observe the alignment diagram and press **OK** to continue.
- 5 Point the chronograph at the target with the screen facing you.
- 6 Hold the pistol over the chronograph so that the barrel is from 15 to 35 cm (5 to 15 in.) above the chronograph ①.



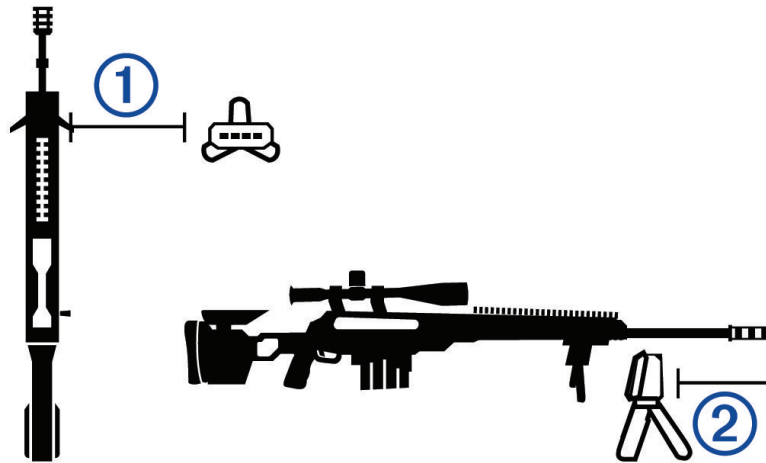
The device detects shots and displays measurements automatically as you shoot.

Starting an Air Rifle Session

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

- 1 Select **NEW SESSION > AIR RIFLE**.
- 2 If necessary, observe the alignment diagram and press **OK** to continue.
- 3 Position the air rifle next to the chronograph so they are from 15 to 35 cm (5 to 15 in.) from each other ①, and the chronograph is no more than 35 cm (15 in.) behind the barrel ②.



NOTE: The chronograph can be positioned on either side of the air rifle.

- 4 Point the chronograph at the target with the screen facing you.
The device detects shots and displays measurements automatically as you shoot.

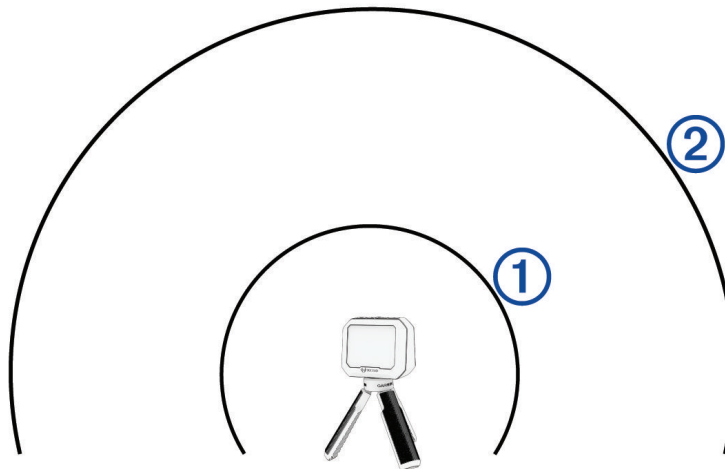
Starting a Session for Other Projectiles

NOTICE

Always ensure that you position the chronograph so that it is not directly exposed to ejecting cartridge cases, muzzle blast, or other hazards that may damage the chronograph.

You can measure velocity of other projectiles that may not fit into other categories, such as some muzzleloading firearms, shotguns, slingshots, or other weapons.

- 1 Select **NEW SESSION > OTHER**.
- 2 Select a velocity range.
- 3 Select an option:
 - To calculate the kinetic energy of your projectile, select **YES**, and enter the weight of your projectile.
 - To continue without calculating kinetic energy, select **SKIP**.
- 4 Point the chronograph at the target with the screen facing you.
- 5 Position the weapon next to the chronograph so they are from 15 cm (5 in.) ① to 35 cm (15 in.) ② from each other.



NOTE: The weapon can be positioned at any point around the chronograph as long as they are from 15 to 35 cm (5 to 15 in.) from each other. You should choose a location that works best for your weapon.

The device detects shots and displays measurements automatically as you shoot.

Pausing a Session

You can pause an active session and resume it later. This can be useful to conserve battery power while you are not using the device.

- 1 During a session, press ↶.
- 2 Select **PAUSE SESSION**.

Resuming a Paused Session

From the main menu, select **RESUME SESSION**.

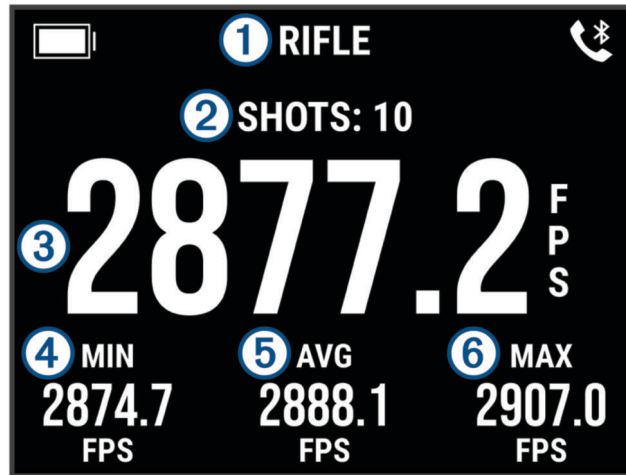
Ending a Session

- 1 During a session, press ↶.
- 2 Select **END SESSION**.

Shot Data

Each time you take a shot during a session, the chronograph records the shot automatically.

TIP: You can press OK, and select DATA FIELDS to change the information displayed in each data field.



①	Mode
②	Shots recorded
③	Velocity of the most recent shot
④	Minimum velocity recorded during the session (DATA FIELD 1)
⑤	Average velocity recorded during the session (DATA FIELD 2)
⑥	Maximum velocity recorded during the session (DATA FIELD 3)

Changing Data Fields

You can change the data fields that display with your shot data.

- 1 Select an option:
 - To change data fields during a session, press **OK**, and select **DATA FIELDS**.
 - To change data fields before a session, select **SETTINGS > DATA FIELDS**.
- 2 Select a data field.
- 3 Press **OK** to cycle through available data fields.

Data Fields

AVG: Displays the average velocity recorded in the current session.

EXT SPRD: Displays the extreme spread of the shot velocities recorded in the current session. Extreme spread is the difference between the fastest and slowest velocities recorded.

MAX: Displays the maximum velocity recorded in the current session.

MIN: Displays the minimum velocity recorded in the current session.

STD DEV: Displays the standard deviation of shot velocities in the current session. The standard deviation is a number that shows how much recorded velocities deviate from the average velocity recorded. A high standard deviation means that the recorded velocities are more spread out from the average velocity recorded. A low standard deviation means that the recorded velocities are close to the average velocity recorded.

Core App



You can download the Core app on your smartphone to view detailed statistics and shot analyses that are recorded on your device.

You can scan the QR code, or go to garmin.com for more information.

Settings

Changing the Units of Measure

- 1 Select **SETTINGS > UNITS**.
- 2 Select a unit of measure, and press **OK**.

Changing the Backlight Brightness

- 1 Select an option:
 - To change the backlight brightness during a session, press **OK**, and select **BACKLIGHT**.
 - To change the backlight brightness outside of a session, select **SETTINGS > BACKLIGHT**.
- 2 Press **OK** to cycle through brightness levels.

Changing the Device Language

- 1 Select **SETTINGS > LANGUAGE**.
- 2 Select a language.

Clearing Device Data

Select **SETTINGS** > **RESET ALL SETTINGS** > **YES**.

Device Information

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 From the main menu, select **SETTINGS**.
- 2 Select **ABOUT**.

Getting More Information

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

- Go to support.garmin.com for additional manuals, articles, and software updates.
- Go to buy.garmin.com, or contact your Garmin dealer for information about optional accessories and replacement parts.

Product Updates

Your device automatically checks for updates when connected to Bluetooth®. You can manually check for updates from the system settings. On your computer, install Garmin Express™ (garmin.com/express).

This provides easy access to these services for Garmin devices:

- Software updates
- Product registration

Specifications

Battery type	Rechargeable, built-in lithium-ion battery
Rifle measurement accuracy	+/- 0.1% of the target velocity
Bow, pistol, and air rifle measurement accuracy	+/- 0.4% of the target velocity
Wireless frequency and transmit power	2.4 GHz @ 4.04 dBm maximum 24 GHz @ 18.68 dBm maximum
Operating temperature range	From -10° to 55°C (from 14° to 131°F)
Charging temperature range	From 0° to 45°C (from 32° to 113°F)
Water rating	IEC 60529 IPX7 ¹

Troubleshooting

The chronograph is not detecting my shot velocity

You can perform these actions to help determine why the chronograph isn't detecting your velocity.

- Verify the chronograph is facing the target. With the screen facing you, the large, flat side of the chronograph should point at the target.
- Verify the target is at least 20 meters or 20 yards from the chronograph.
- Verify the session is active. The shot data screen appears while the session is active.

¹ 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.

The chronograph is detecting shots from the shooter next to me

It is possible for the chronograph to detect shots from adjacent shooters. For best results, you should always ensure the nearest shooter is at least 1.5 m (5 ft.) from your location.

