GARMIN

GARMIN DASH CAM™ MINI 3

Owner's Manual

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M/N: A04766

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Getting Started

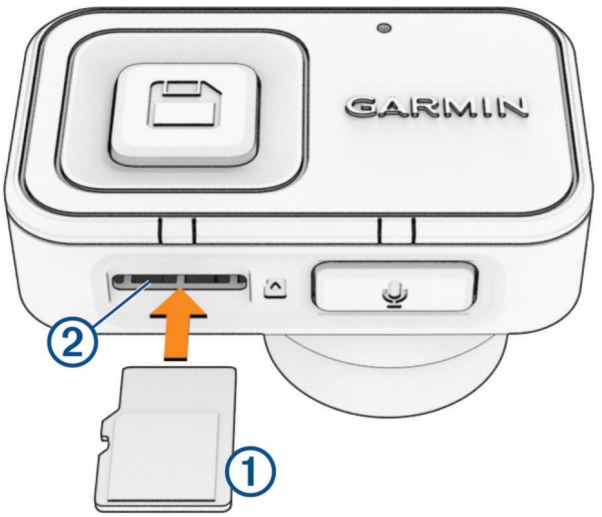
⚠ WARNING

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

Installing a Memory Card

To record video, you must install a compatible memory card (*Memory Card Specifications*, page 15).

1 Insert the memory card ① into the slot ②.



2 Press it in until it clicks.

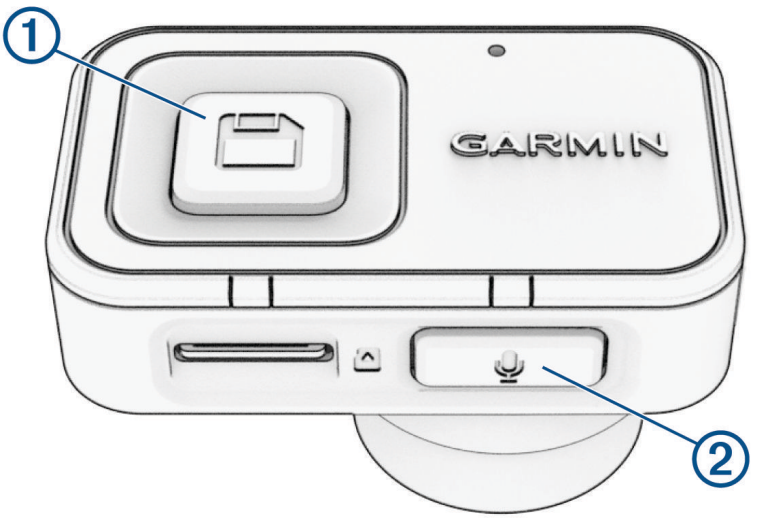
Removing the Memory Card

NOTICE

Removing the memory card while the camera is turned on can result in a loss of data or damage to the camera.

1 Disconnect the power cable from the camera.
2 Wait for both status LEDs to turn off.
3 Press the memory card in until it clicks.
4 Release the card.
The card ejects from the slot.

Device Overview



1	Press to save a video clip. Hold to enter pairing mode (*Pairing with Your Smartphone*, page 5).
2	Press to enable or disable audio recording. Hold to format the memory card (*Formatting the Memory Card*, page 5).

Installing the Camera on Your Windshield

NOTICE

The adhesive mount is intended for a long-term installation and can be difficult to remove. You should carefully consider the mounting location before you install the mount.

Before you can install the adhesive mount onto your windshield, you should review the windshield mounting considerations.

For the best results, the ambient temperature should be from 21° to 38°C (from 70° to 100°F) while installing the camera on your windshield. The adhesive may not bond correctly if the temperature is outside this range. If you need to install the camera at lower temperatures, you must clear all snow, ice, and moisture from the windshield and warm the windshield using the vehicle defroster before installing the camera.

The camera attaches to the windshield using the included adhesive mount.

1. Clean the inside of the windshield using water or alcohol, and a lint-free cloth.

   The windshield must be free of dust, wax, oils, or coatings.

2. Hold the camera in the desired mounting location on the windshield, and verify the camera has a clear, unimpeded view.

   TIP: You can use the live view feature in the Garmin Drive™ app to see the field of view from the camera (*Viewing the Live View Camera Feed*, page 8).

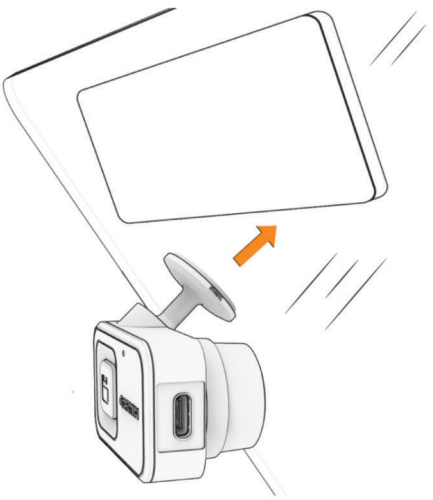
3 After you have selected a mounting location with a clear view, remove the protective film from the mount adhesive.

4 Position the mount over the mounting location.

TIP: The adhesive is extremely sticky. Avoid touching the adhesive to the windshield until the mount is properly positioned.

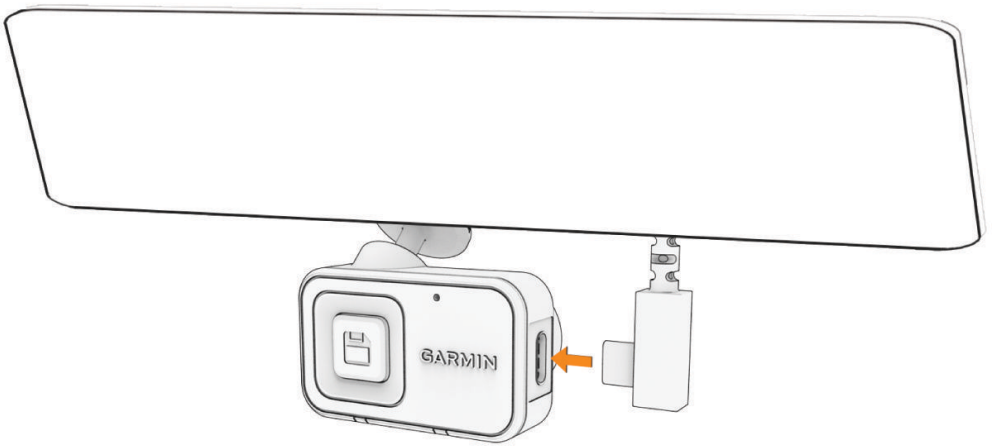
5 Press the mount firmly onto the windshield, and maintain pressure for 30 seconds.

This helps to ensure the mount adhesive has proper contact with the windshield.



Connecting the Camera to Vehicle Power

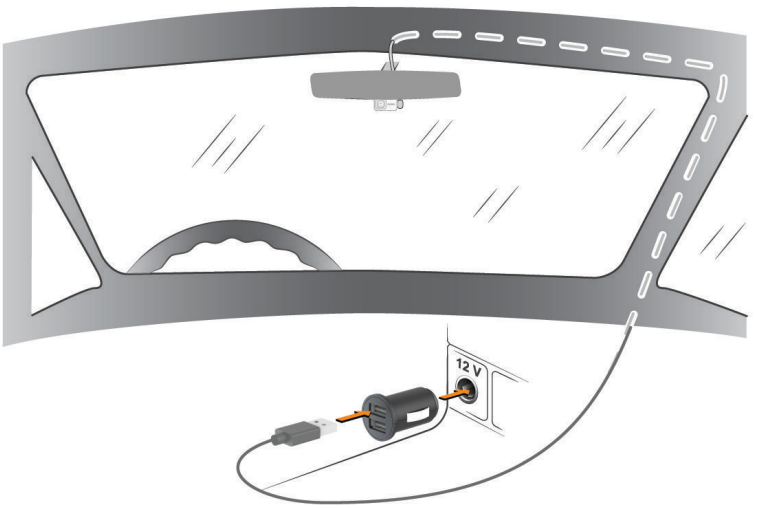
1 Plug the power cable into the USB port on the camera.



2 Route the power cable to your vehicle power outlet.

NOTE: You should power the camera using the included vehicle power adapter and avoid using a vehicle USB port. A vehicle USB port may not provide enough power for reliable camera operation. Also, the camera may enter USB mass storage mode if you connect it to a vehicle USB port using a cable that allows data transfer (not included). The camera cannot record video or connect to your smartphone while it is in USB mass storage mode.

The included lightweight power cable is designed to be routed out of sight. To hide the power cable, route it behind the vehicle trim along the windshield, doorframe, or dash.



3 Plug the Garmin Dash Cam Mini 3 power cable into the included vehicle power adapter.

4 Plug the vehicle power adapter into the power outlet in your vehicle.

5 If necessary, turn on the vehicle ignition switch to provide power to the power outlet in your vehicle.

The camera turns on and starts recording.

Turning Off the Device Manually

The camera does not have a power button. It turns on automatically when it receives power, and it turns off when it stops receiving power.

When the device is connected to an ignition-switched power outlet, it turns off automatically when you turn off the vehicle.

To manually turn off the camera, disconnect the device from power.

Formatting the Memory Card

The device requires a memory card formatted using the FAT32 file system. You can use the device to format your card using this file system. You should format your memory card at least one time every 6 months to help extend the useful life of the memory card. You must also format a brand new memory card.

NOTE: Formatting the memory card deletes all videos and data on the card.

1. Connect the camera to power using the included vehicle power adapter and a USB cable.

   The camera turns on. If the memory card is not correctly formatted in FAT32 format, the status LED flashes yellow.
2. Hold for eight seconds.

   The status LED turns green while the card is formatting.

When formatting is complete, the status LED turns red and the camera begins recording.

Pairing with Your Smartphone

You can pair your Garmin Dash Cam Mini 3 camera with your smartphone and the Garmin Drive app. The Garmin Drive app allows you to set up a multiple-camera network, change camera settings, and view, edit, and save videos. You can also upload, manage, and share videos on a secure, online storage drive using the Vault.

NOTE: Remote Wi-Fi® network features and Vault features require a paid subscription (*Subscribing to Vault*, page 11).

1. From the app store on your smartphone, install the Garmin Drive app.
2. Connect the camera to power using the included vehicle power adapter and cable.

   The camera turns on.
3. Place the camera and your smartphone within 3 m (10 ft.) of each other.
4. On your phone, open the Garmin Drive app.
5. Select an option:
   - If this is the first Garmin® device you are pairing with your smartphone, accept the Garmin Drive app license agreements.
   - If you are pairing an additional Garmin camera with your smartphone, select **Add Another Device**.
6. Select **Garmin Dash Cam Series**.
7. On your camera, press and hold until the status LED flashes blue.
8. Follow the on-screen instructions to complete the pairing and setup process.

After pairing is complete, the main app dashboard appears. After the camera and smartphone are paired, they connect automatically when they are turned on and within range.

Connecting Your Camera to a Wi-Fi Network

NOTE: Remote Wi-Fi network features and Vault features require a paid subscription (*Subscribing to Vault*, page 11).

To connect the camera to an existing Wi-Fi network, the network must be set up to allow connected devices to see and communicate with each other.

You can use the Garmin Drive app to connect your camera to a Wi-Fi network.

While connected to a Wi-Fi network, your camera automatically uploads full-resolution videos to the Vault when it detects an incident. You can also connect to your camera remotely using the Garmin Drive app to view a live video feed (*Viewing the Live View Camera Feed*, page 8).

1. Connect your camera to the Garmin Drive app (*Pairing with Your Smartphone*, page 5).
2. From the Garmin Drive app, select , and select your vehicle and camera name.
3. Select **Wi-Fi Connections**.

   A list of nearby Wi-Fi access points appears.
4. Select your Wi-Fi network, and enter the network password.

   The camera connects to the Wi-Fi network.

The camera saves the network information and connects automatically the next time the camera is turned on and within range of the network.

Voice Control

The voice control feature allows you to control your camera by saying words and commands.

NOTE: The voice control feature is not available for all languages. You can use this feature while the interface is set to an unsupported language, but you must speak the commands in English.

Controlling the Camera Using Voice Commands

1. Say **OK, Garmin** to activate the voice control feature.

   The camera plays a tone and starts listening for a command.
2. Say a command:
   - To save a video, say **Save Video**.
   - To enable audio recording for your videos, say **Record Audio**.
   - To disable audio recording for your videos, say **Stop Audio**.

   The camera plays a tone when it recognizes your command.

Turning Voice Control On or Off

You can turn voice control on or off from the Garmin Drive app on your smartphone.

From the device settings menu, select **Voice Commands**, and select an option.

Changing the Wake Word

By default, your dash camera's voice control activates when you say OK, Garmin. You can change the wake word from the Garmin Drive app on your smartphone.

From the device settings menu, select **Wake Word**, and select a wake word.

Voice Control Tips

- Speak in a normal voice directed at the device.
- Reduce background noise to increase the accuracy of the voice recognition.
- Before each command, say the wake word. The default wake word is **OK, Garmin**.
- Listen for a tone to confirm that the camera successfully recognized a command.
- Change the wake word if you have more than one Garmin device with voice control features (*Changing the Wake Word*, page 6).

Dash Cam Recording

NOTICE

Some jurisdictions may prohibit or regulate recording audio and video, or taking photographs. Jurisdictions may require that all parties have knowledge of the recording and provide consent before you record audio and video or take photographs. It is your responsibility to know and comply with all laws, regulations, and any other restrictions in your jurisdiction.

The dash cam records video to the camera memory card (*Installing a Memory Card*, page 1). By default, the device immediately starts recording video when it turns on, and it continues recording until it is turned off. If the memory card is full, the device automatically deletes the oldest unsaved video to create space for new video.

When the option to promptly delete unsaved video is enabled, the device continually deletes unsaved video more than three minutes old and deletes all unsaved video each time it is powered off. You can enable or disable this feature in the camera settings (*Settings*, page 12).

You can save a video recording to prevent it from being overwritten or deleted (*Viewing Videos on Your Smartphone*, page 8).

Turning Audio Recording On or Off

NOTICE

Some jurisdictions may prohibit recording audio in the vehicle or may require that all passengers have knowledge of the recording and provide consent before you record audio in the vehicle. It is your responsibility to know and follow all laws and restrictions for your jurisdiction.

The device can record audio using the integrated microphone while recording video. You can turn audio recording on or off at any time.

Press .

TIP: You can also use voice controls to enable or disable audio recording (*Voice Control*, page 6).

The microphone LED turns red while audio is recording.

Event Detection

By default, the device uses a sensor to detect possible incidents and automatically saves video footage recorded 15 seconds before and 15 seconds after the detected event. The video footage is stamped with the time and date of the event.

Saving Videos

By default, the device uses a sensor to detect a possible incident and saves video footage automatically before, during, and after the detected event. You can also save video files manually at any time.

1 Press .

TIP: You can also use voice controls to save video (*Voice Control*, page 6).

The device saves the video footage recorded before, during, and after you select .

2 Press again to extend the length of the saved video footage (optional).

The memory card has limited storage. After you save a video recording, you should export the recording to your smartphone (*Editing and Exporting a Video*, page 9), or transfer the recording to your computer or other external storage location for permanent storage (*Videos on Your Computer*, page 10). If you have an active Vault subscription, saved recordings are automatically uploaded to the Vault when you are connected to a Wi-Fi network.

Viewing Videos on Your Smartphone

Before you can view videos on your smartphone, you must pair your Garmin Dash Cam Mini 3 device with the Garmin Drive app (*Pairing with Your Smartphone*, page 5).

NOTE: The device stops recording and alerts are disabled while viewing videos.

1 From the Garmin Drive app on your smartphone, select **Review Video**.

2 Select an option:

- To view a video you saved, select a file from the **Saved** category.
- To view recent video footage that has not been saved, select a video from the **Temporary** category.

Viewing the Live View Camera Feed

Before you can view the Live View camera feed remotely, you must have an active Vault subscription and you must connect your camera to a Wi-Fi network (*Connecting Your Camera to a Wi-Fi Network*, page 6).

You can also connect your camera to a constant 12V power source (*Constant Power Cable*, page 15).

You can view the live camera feed using the Live View feature in the Garmin Drive app. You can connect directly to your paired camera using Bluetooth® technology, or you can connect remotely using a Wi-Fi network.

1 From the Garmin Drive app on your smartphone, select **Live View**.

The app scans for available cameras.

2 If necessary, select your camera from the list of available devices.

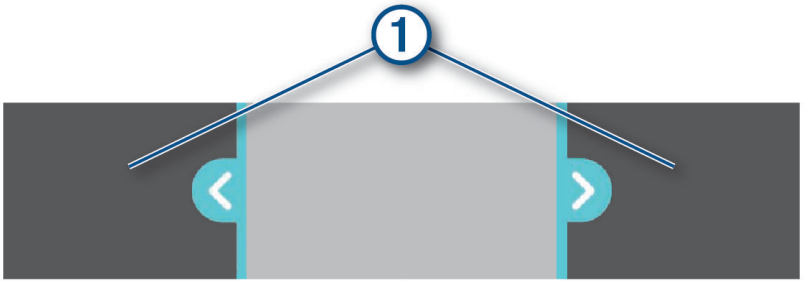
The live view appears.

Editing and Exporting a Video

You can trim the length of your video to remove unnecessary footage before exporting it to the Vault.

NOTE: Videos stored in the Vault cannot be trimmed.

1 While viewing a video, drag the trimming handles ① on the video progress bar left or right to trim the video length.



2 Select the **Include Audio** check box to include the recorded audio (optional).

3 Select **Export**.

NOTE: You must keep the app in the foreground while exporting a video.

The app exports the trimmed video.

4 After the video export is complete, select an option:

- To save the video to your phone, select **Save to Phone**.
- To remove the video from the camera memory card, select **Remove From Camera**.
- To return to the gallery, select **Done**.

Deleting a Video Using Your Smartphone

1 When you are viewing the list of saved videos on your smartphone, select **Select**.

2 Select one or more files.

3 Select .

Connecting the Camera to Your Computer

You can connect the camera to your computer to install software updates or transfer videos to your computer.

NOTE: The power cable included with your device is intended for power only, and it cannot be used to connect to your computer.

1 Using a compatible USB-C® data cable, plug the data cable into the USB-C port on the camera.

2 Plug the other end of the cable into a compatible USB port on your computer.

Depending on your computer operating system, the device appears as either a removable drive or a removable volume on your computer.

Videos on Your Computer

NOTE: Some media players might not support high-resolution playback.

Videos are stored in the DCIM directory on the camera memory card. Videos are stored in MP4 file format. You can view and transfer videos by connecting the memory card or the device to your computer (*Connecting the Camera to Your Computer*, page 10).

The videos are sorted into several folders.

NOTE: Unsaved videos are not available when the option to promptly delete unsaved video is enabled (*Settings*, page 12).

100EVENT: Contains videos saved automatically when the device detects an incident.

102SAVED: Contains videos saved manually by the user.

103PARKM: Contains videos saved while parked.

104UNSVD: Contains unsaved video footage. The device overwrites the oldest unsaved video when the storage space for unsaved videos is full.

Vault Storage

NOTE: This feature requires an active Vault subscription. Vault features are not available for all countries.

You can upload, manage, and share dash camera videos on a secure, online storage drive using the Vault. With a paid subscription, the dash camera uploads saved videos to the Vault automatically while it is connected to a Wi-Fi network.

You can purchase a Vault subscription from the Garmin Drive app on your smartphone.

NOTE: Your dash camera must be connected to a Wi-Fi network to use this feature.

Subscribing to Vault

You can purchase a Vault subscription to store your videos in a secure online storage server.

1. From the Garmin Drive app on your smartphone, select your device.
2. Select **Settings** > **Vault Storage** > **Choose a Plan**.
3. Follow the on-screen instructions.

Sharing a Video

You can share a secure link to a dash camera video from the Vault.

NOTE: An active Vault subscription is required to use this feature.

1. From the Garmin Drive app on your smartphone, select **Vault**.
2. Select a video, and select **Secure Share**.
3. Follow the on-screen instructions.

Disabling a Shared Video Link

You can disable a link to a video that you previously shared from the Vault. When you disable a shared video link, the video is set to private and the shared link and passcode are disabled.

1. From the Garmin Drive app on your smartphone, select **Vault**.
2. Select a video, and select **Disable Link** > **Continue**.

Removing a Video from the Vault

1. From the Garmin Drive app on your smartphone, select **Vault**.
2. Select a video, and select **Remove From Vault** > **Continue**.

Multiple Camera Network

You can install multiple dash cameras in the same vehicle, such as front and rear cameras, and create composite picture-in-picture videos from the simultaneous recordings. You can pair multiple dash cameras with the Garmin Drive app. If a GPS-connected camera is part of the network, you can add location information to saved videos for all cameras on the network.

Creating Picture-in-Picture Multi-Camera Videos

Before you can use this feature, you must pair at least two cameras with the Garmin Drive app and record footage using both cameras.

The Garmin Drive app allows you to create composite, picture-in-picture videos from footage recorded at the same time on two cameras.

1. From the Garmin Drive app, select **Review Video**.
2. Select a multi-camera video.

   Multi-camera videos are indicated by multiple camera icons on the video thumbnail. The app automatically combines video recorded at the same time into one multi-camera video icon.
3. Select ◀ and ▶ to choose the camera footage to use for the fullscreen portion of the video.
4. Drag the handles on the video progress bar to the left or right to trim the video length.
5. Select **Continue**.
6. Select ◀ and ▶ to choose the camera footage to use for the picture-in-picture portion of the video.
7. Select the corner of the screen where you want the picture-in-picture footage to appear, and select **Export**.

   NOTE: You must keep the app in the foreground when exporting a video.

   The app exports the picture-in-picture video to your smartphone.

Settings

The settings for your Garmin Dash Cam Mini 3 device are configured using the Garmin Drive app. Before you can configure settings, you must pair your device with the Garmin Drive app (*Pairing with Your Smartphone*, page 5).

Recording Settings

From the Garmin Drive app, select ⚙, and select the vehicle and the camera name.

Data Overlay: Adjusts the type of data displayed on videos.

Exposure Value: Adjusts the level of light exposure in videos.

Incident Detection: Adjust the sensitivity level for incident detection.

Resolution: Adjusts the video resolution.

Unsaved Videos: Sets when the device deletes unsaved video footage. When the **Delete When Full** option is selected, the device deletes the oldest unsaved video when the memory card storage is full. When the **Promptly Delete** option is selected, the device continually deletes unsaved video more than three minutes old and deletes all unsaved video each time it is powered off. This is useful to help protect data privacy.

Setup Settings

From the Garmin Drive app, select ⚙, and select the vehicle and camera name.

Finish Setup: Provides options to finish setup steps that may not have been completed during installation.

Vault Storage: Provides options for available Vault subscriptions.

Wi-Fi Connections: Shows the wireless network connection status.

Safety and Security Settings

From the Garmin Drive app, select ⚙, and select the vehicle and camera name.

Parking Guard: Enables parking guard and adjusts the parking guard recording settings.

System Settings

From the Garmin Drive app, select ⚙, and select the vehicle and camera name.

Alert Volume: Adjusts the volume of camera alerts.

Language: Sets the device language.

Units and Time: Adjusts settings for the date and time format.

Voice Commands: Enables voice commands and sets the voice command language.

Wake Word: Allows you to change the voice control activation word.

Device Settings

From the Garmin Drive app, select ⚙, and select the vehicle and camera name.

About Device: Lists the camera software version and unit ID.

Check for Updates: Checks the device for software updates.

Reassign to a Different Vehicle: Sets the vehicle used with the selected camera.

Format SD Card: Formats the memory card and deletes all videos and data on the card.

Help: Opens the product support page for the device.

Restore: Restores the device to factory default settings and unpairs the device from the Garmin Drive app.

Forget Device: Unpairs the device from the Garmin Drive app.

Renaming a Camera

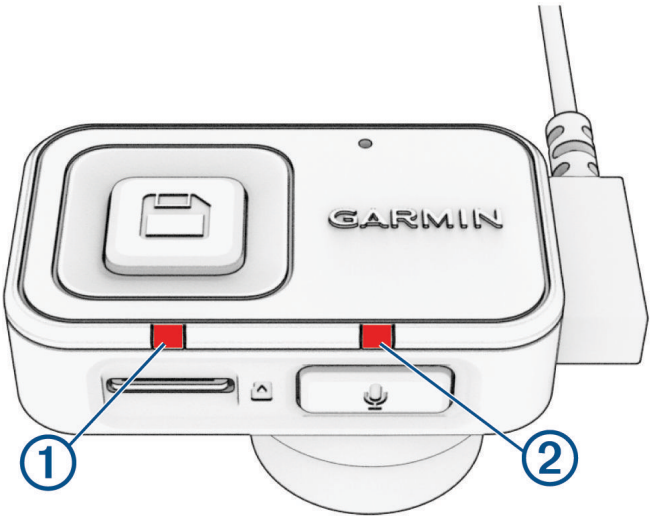
You can change the name of your camera to help differentiate it from other cameras in a multiple camera network.

1 From the Garmin Drive app, select your camera.
2 Select **Settings** > **Finish Setup** > **Camera Alignment**.
3 Select a camera name from the **Camera Name** field.
TIP: You can select Custom to enter a custom camera name.

Device Information

Status LEDs

The status LED ① and the microphone LED ② show the device status.



Status LED Activity	Status
Solid green	The device is connected to a computer in mass storage mode. The memory card is being formatted.
Flashing green	The device is preparing to record.
Flashing green, alternating with microphone LED	An update is being installed.
Solid red	Video is recording.
Flashing red	A video is being saved.
Flashing red, slowly	The device is in Parking Guard mode.
Alternating red and yellow flashes	The memory card is low on space or is underperforming.
Flashing yellow, alternating with microphone LED	There is a problem with the memory card. The memory card is not installed.
Flashing blue	The device is in Bluetooth pairing mode.
Off	The device is not connected to power.

Microphone LED Activity	Status
Solid red	The device is recording audio.
Off	The device is not recording audio.
Flashing green, alternating with status LED	An update is being installed.
Flashing yellow, alternating with status LED	There is a problem with the memory card. The memory card is not installed.

Cleaning the Camera Lens

NOTICE

Avoid chemical cleaners and solvents that can damage plastic components.

You should clean the camera lens regularly to improve the quality of recorded video.

1. Wipe the lens with a non-scratch lens cloth, optionally dampened with isopropyl alcohol.
2. Allow the lens to air dry.

Updating Your Device Using the Garmin Drive App

The Garmin Drive app notifies you when a software update is available for your device. You can also check for updates at any time.

1. From the Garmin Drive app, select your camera.
2. Select **Settings** > **Check for Updates**.
3. Select **Install Now**.

   The software update is sent to your device. You are notified when the transfer is complete.
4. Disconnect the device from power until the device turns off.
5. Connect the device to power.

   The device installs the software update.

   NOTE: Video is not recorded while the software is updating.

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

Setting Up Garmin Express

1. Connect the device to your computer using a USB cable.
2. Go to garmin.com/express.
3. Follow the on-screen instructions.

Specifications

Operating temperature range	From -20° to 60°C (from -4° to 140°F)
Wireless frequency and transmit power	2.4 GHz @ 19.79 dBm maximum

Memory Card Specifications

The camera requires a memory card with these specifications. Go to garmin.com/dashcamcards to view a list of recommended memory cards.

Type	microSDHC or microSDXC
Capacity	From 8 to 512 GB
Speed class	Class 10 or higher
File system	FAT32

Appendix

Parking Guard

Before you can record videos while parked, you must connect your dash camera to an always-on, 12V power cable, or to the parking mode cable accessory (*Constant Power Cable*, page 15).

The Parking Guard feature allows the camera to record video automatically while your vehicle is parked. When you turn off your vehicle, the camera automatically enters parked recording mode. The camera automatically records video each time it detects an incident, and sends a notification to your smartphone when the camera is connected to a Wi-Fi network. You can manage Parking Guard settings from the Garmin Drive app on your smartphone.

Constant Power Cable

The Constant Power Cable is an always-on, 12V power adapter that connects to the OBD II port in your vehicle. The device can power up to two dash cameras for a selected length of time after you turn off your vehicle.

For more information, or to purchase a Constant Power Cable, go to garmin.com.

Getting Started

⚠ WARNING

When installing the device in a vehicle, you must install the device securely so it does not interfere with the vehicle operating controls, such as the foot pedals, or the driver's feet. Interference with the vehicle operating controls or feet can result in an accident, which could result in property damage, personal injury, or death.

If you notice any change in engine performance after connecting the device, disconnect the device immediately and contact Garmin product support. Do not use the device if it affects engine performance or acceleration in your particular make and model of vehicle. Issues with engine performance or acceleration could result in an accident, leading to property damage, personal injury, or death.

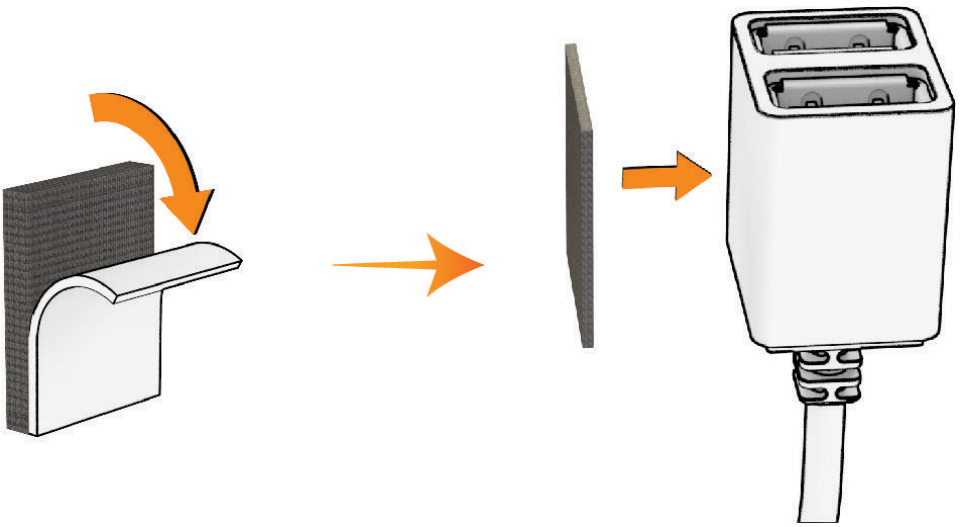
NOTICE

Defer to your vehicle's warranty provisions and owner's instructions for guidance on whether any OBD II connector product might void or alter your vehicle's warranty. Garmin is not responsible for any costs or expenses associated with vehicle repairs or voided warranties.

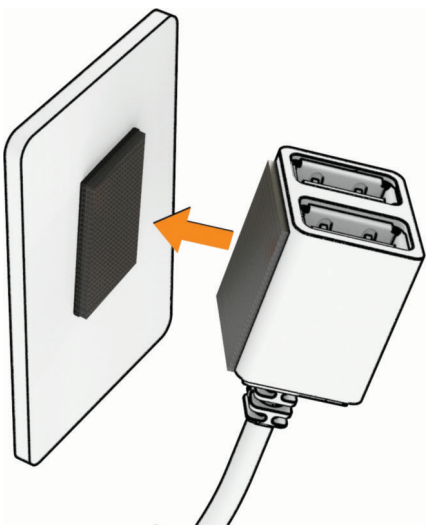
Installing the Device

1. Set the time switch (*Time Switch*, page 17).
2. Connect the device to the OBD II port in your vehicle.

   The OBD II port is usually located under the dashboard on the driver's side of the vehicle. The OBD II port location may vary depending on the make and model of your vehicle. See your vehicle owner's manual for more information.
3. Remove the protective film from one reclosable fastener, and press the reclosable fastener firmly onto the USB port end of the device for 10 seconds.



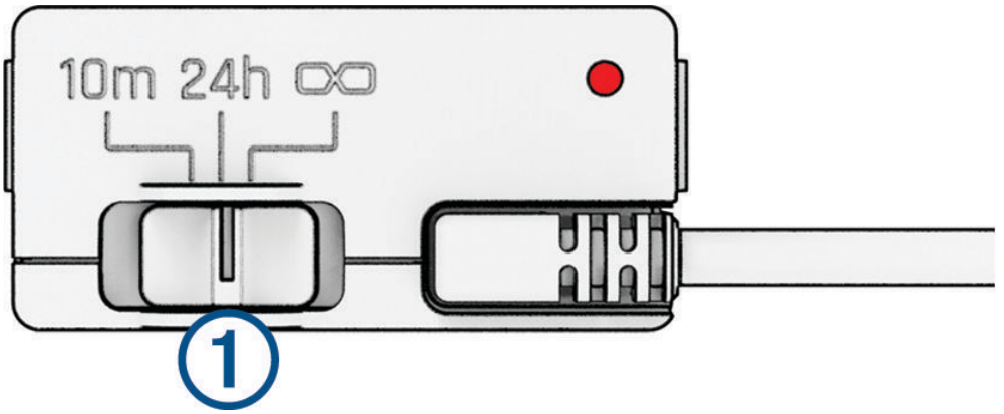
4. Clean the vehicle mounting surface using water or alcohol, and a lint-free cloth.
5. Allow the surface to dry completely.
6. Remove the protective film from a second reclosable fastener, and press it firmly onto the vehicle mounting surface for 10 seconds.
7. Press the reclosable fastener on the device against the reclosable fastener on the mounting surface to secure the device to the mounting location.



8. Connect the USB power cable from your Garmin Dash Cam device to a USB port on the Constant Power Cable device.

Time Switch

The time switch ① sets the length of time the device continues to supply power after you exit the vehicle. The device reenables power when it detects motion, or when you reenter and restart the vehicle.



10m	10 minutes
24h	24 hours
∞	Always on

If you want the device to remain off until you reenter the vehicle, you should select the 10m option.

If you want the device to operate continuously while the vehicle is parked, you should select the 24h or ∞ option.

Status LED

The status LED shows the device status.

Status LED Activity	Status
Red	The device is supplying power to the connected devices.
Flashing red	The timer has expired and the device is no longer supplying power to the connected devices.
Off	The device is receiving less than 12 V of power. The low battery protection feature turns off the device to protect the vehicle battery.

Specifications

Operating temperature	From -20° to 45°C (from -4° to 113°F)
Input	From 12 to 16 V, 1.6 A Max.
Output	5 Vdc, 1.5 A each (3.0 A total)
Low battery protection voltage	12 V

Parking Mode Cable

The parking mode cable accessory connects the camera to constant power and allows the camera to record video while the vehicle is parked and turned off.

For more information, or to purchase a parking mode cable, go to garmin.com.

Parking Mode Cable Wiring Diagram

Item	Wire Color	Wire Function
1	Black	Ground
2	Yellow	Battery 12 V
3	Red	Accessory 12 V

Connecting the Parking Mode Cable Accessory to Power

⚠ CAUTION

Garmin strongly recommends having an experienced installer with the proper knowledge of electrical systems install the device. Incorrectly wiring the power cable can result in damage to the vehicle or the battery and can cause bodily injury.

1. Route the parking mode cable accessory to a location in the vehicle with constant power, switched power, and a ground connection.
2. Connect the **BATT** wire to a constant power source.
3. Connect the **ACC** wire to a switched power source.
4. Connect the **GND** wire to the bare metal of the vehicle's chassis using an existing bolt or screw.
5. Plug the parking mode cable accessory into the USB port on the camera.

Troubleshooting

My camera feels warm while it is operating

Garmin cameras are designed for the automotive environment. It is normal and expected for the products to become warm or hot and remain safe for use in warm climates with full sun exposure. The temperature of the device itself can exceed the specified maximum operating ambient temperature for the device and remain safe for use. Always follow the device use and care instructions contained in the product manual.

The status LEDs are flashing yellow

When the status LEDs flash yellow, the camera has detected a problem with the memory card.

- Verify a memory card is installed.
- Format the memory card using the device (*Formatting the Memory Card*, page 5).

My memory card has degraded and needs to be replaced

All microSD® memory cards wear out after they are overwritten a large number of times. Periodically formatting the card can extend the useful life and improve performance. Because the dash camera records continuously, you may need to replace the memory card periodically (*Installing a Memory Card*, page 1). Your device detects memory card errors automatically and alerts you when it is time to format or replace your memory card.

You can take these actions to help extend the useful life of the memory card.

- Format the memory card at least one time every six months (*Formatting the Memory Card*, page 5).
- If the device displays a memory card error alert, first try formatting the memory card (*Formatting the Memory Card*, page 5) and then, if necessary, replace the memory card (*Installing a Memory Card*, page 1).
- Disconnect the device from power, or ensure the **Parking Guard** feature is enabled when your vehicle is not in use.

  If your device is not connected to an ignition-switched vehicle power outlet, you should disconnect it from power when your vehicle is not in use to prevent the dash camera from recording unneeded footage.
- Use a memory card with a higher storage capacity.

  Because higher-capacity memory cards are overwritten less frequently, they usually last longer.
- Use a high-quality memory card with a speed rating of class 10 or higher.
- Purchase your replacement memory card from a high-quality manufacturer and a reputable vendor.

My video recordings are blurry

- Clean the camera lens (*Cleaning the Camera Lens*, page 14).
- Clean the windshield in front of the camera.
- Verify the area of the windshield in front of the camera is cleared by the windshield wipers, and move the device, if necessary.

My video recordings are choppy or incomplete

- For the best camera and video results, use a high-quality memory card with a speed rating of class 10 or higher. Go to garmin.com/dashcamcards to view a list of recommended memory cards.

  A slower memory card may not record video quickly enough.
- If you are viewing videos on your smartphone using a wireless connection to the camera, try viewing them in another location with less wireless interference, or try transferring videos to the smartphone (*Editing and Exporting a Video*, page 9).
- Transfer important recordings to a computer or smartphone, and format the memory card (*Formatting the Memory Card*, page 5).
- If the device displays a memory card error alert, first try formatting the memory card (*Formatting the Memory Card*, page 5) and then, if necessary, replace the memory card (*Installing a Memory Card*, page 1).
- Update your device to the latest software (*Product Updates*, page 14).