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Garmin X310

Garmin Dash Cam™ X310 Instruction Manual

Model: A04684

1. Introduction

The Garmin Dash Cam™ X310 is a premium, voice-controlled dash camera designed to record sharp ultra-high-definition 4K video with a wide 140-degree field of view. It automatically saves video of detected incidents, providing a reliable record of your journeys. This compact device features a 2.4-inch LCD touchscreen display for easy review and settings adjustment. Equipped with Garmin Clarity™ polarizer and HDR optics, it ensures clear details day and night. Built-in GPS records location, date, and time for all events. For enhanced security and accessibility, the device supports cloud storage via the Garmin Vault (subscription required) and offers remote live view capabilities.



Image: Garmin Dash Cam X310 next to a smartphone displaying the Garmin Drive app's Vault feature, showing saved video clips. This illustrates the camera's compact size and its integration with the mobile application for video management.

2. What's in the Box

Your Garmin Dash Cam™ X310 package includes the following items:

- Garmin Dash Cam X310
- Low profile magnetic mount
- Vehicle power cable
- Dual-USB power adapter
- Documentation (User Manual, Warranty Information)

3. Specifications

Feature	Detail
Model Name	Garmin Dash Cam™ X310
Model Number	A04684
Product Dimensions	2.8 x 0.8 x 1.7 inches
Item Weight	2.8 ounces
Video Capture Resolution	4K Ultra HD
Field of View	140-degree
Display	2.4” LCD Touchscreen
Connectivity	Bluetooth, Wi-Fi, USB
Special Features	Built-in Clarity™ Polarizer, Voice Control, GPS, Automatic Incident Recording, Parking Guard, Live View
Mounting Type	Windshield Mount (Low profile magnetic)
Power Source	Vehicle Power Cable, Dual-USB Power Adapter

4. Setup

4.1 Initial Setup and Mounting

The Garmin Dash Cam X310 is designed for easy installation. Follow these steps to set up your device:

1. **Choose a Location:** Select a discreet location on your windshield, ideally behind your rearview mirror, that does not obstruct your view of the road. Ensure the chosen area is clean and dry.
2. **Attach the Magnetic Mount:** Peel the protective film from the adhesive on the low profile magnetic mount. Firmly press the mount onto the chosen spot on your windshield and hold for at least 30 seconds to ensure a secure bond.
3. **Attach the Dash Cam:** The dash cam magnetically attaches to the mount. Ensure it clicks securely into place.
4. **Connect Power:** Connect the vehicle power cable to the dash cam and plug the dual-USB power adapter into your vehicle's 12V power outlet (cigarette lighter). Route the cable neatly along the windshield and dashboard to avoid interference with driving.
5. **Insert MicroSD Card:** (Sold separately) Insert a compatible microSD memory card (up to 512 GB) into the designated slot on the dash cam. The device requires a memory card to record video.



Image: A close-up view of the Garmin Dash Cam X310 mounted on a car's windshield, showing its compact design and how it blends into the vehicle's interior. The camera is positioned to capture the road ahead.

4.2 Initial Power On and Settings

Once connected to power, the dash cam will automatically turn on and begin recording when your vehicle starts. You may be prompted to set the language, time, and date upon first use. Use the 2.4-inch touchscreen to navigate the menu and adjust settings.

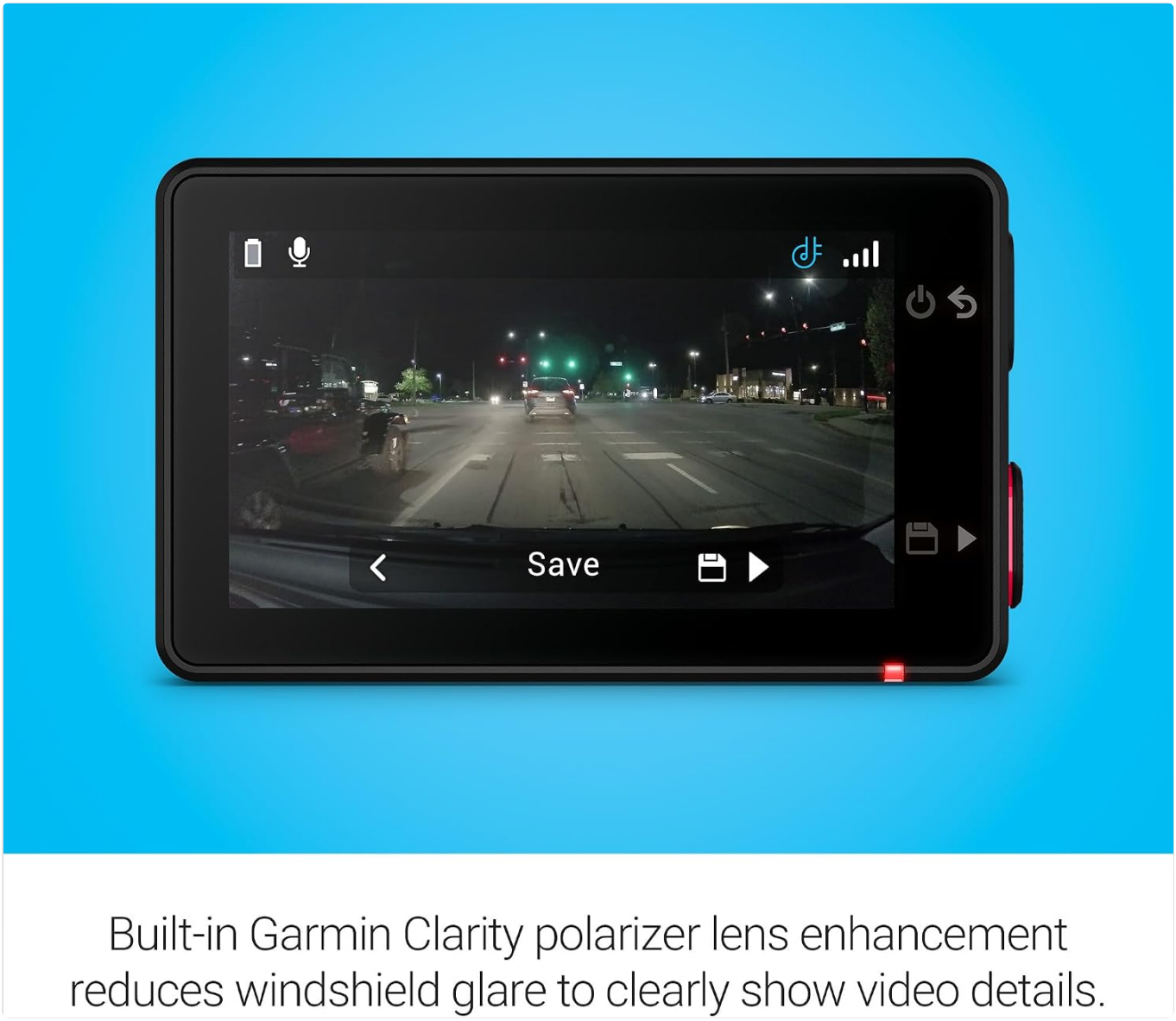

Image: A view of the Garmin Dash Cam X310's 2.4-inch LCD touchscreen display, showing the live video feed from the camera. The screen is bright and clear, indicating ease of use for immediate playback and settings adjustments.

For optimal performance, ensure the Garmin Drive™ smartphone app is installed on your compatible smartphone and connected to the dash cam via Wi-Fi. This app allows for easy video management, settings adjustments, and access to advanced features.

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Video: An official Garmin video showcasing the Garmin Dash Cam X Series, including the X310. This video highlights the various models and their key features, providing a visual overview of the product line.

5. Operating Instructions

5.1 Automatic Recording

The Dash Cam X310 automatically begins recording when it receives power. It continuously records and saves video of detected incidents. Video clips are saved with GPS location, date, and time data.

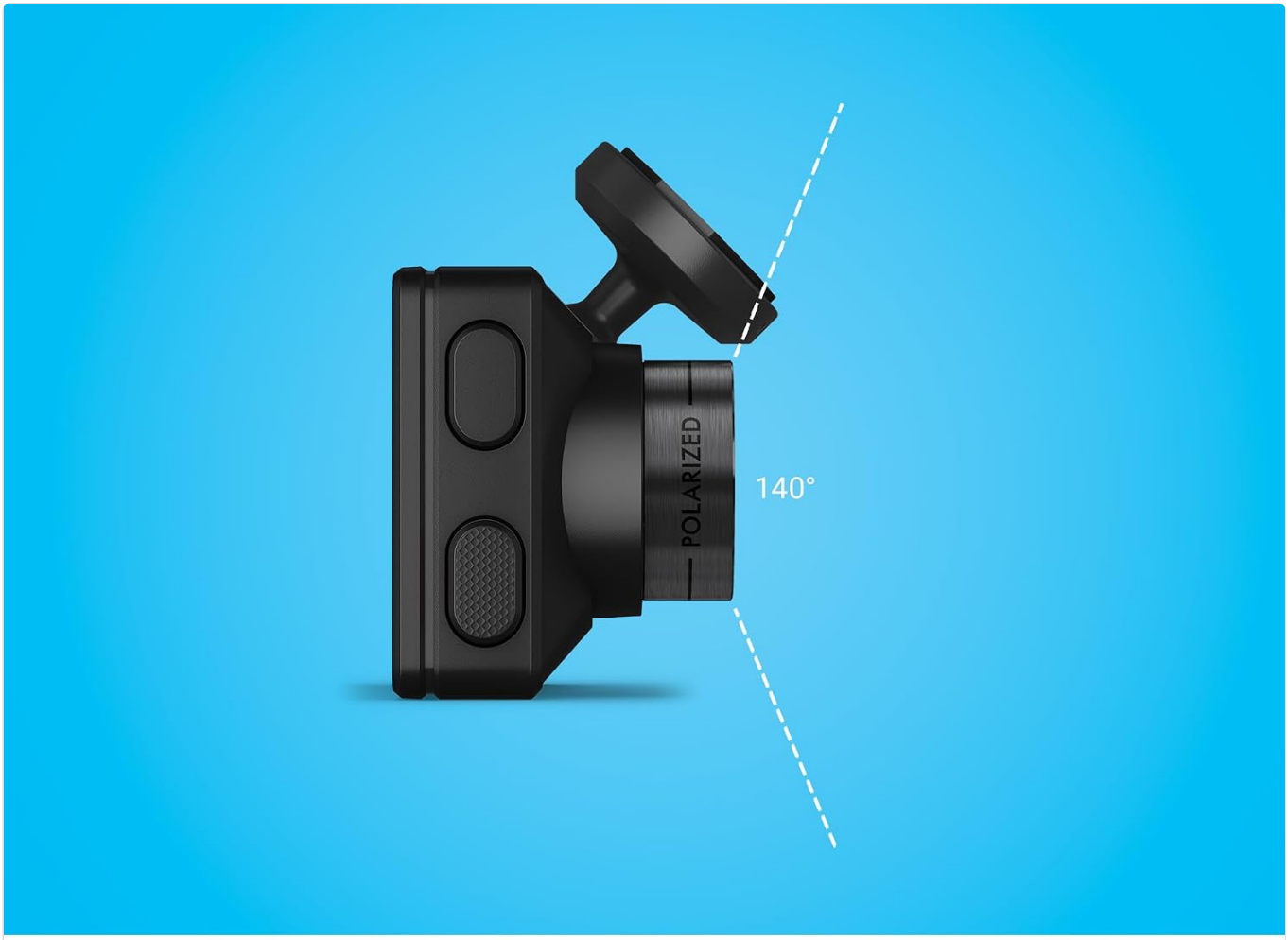


Image: The Garmin Dash Cam X310's screen displaying a "Video Saved" notification, indicating that an incident has been detected and the footage automatically saved. This demonstrates the camera's automatic incident recording feature.

5.2 Voice Control

The Dash Cam X310 supports voice commands for hands-free operation. Use the following commands:

- "OK, Garmin, Save Video" - To manually save a video clip.
- "OK, Garmin, Record Audio" - To start audio recording.
- "OK, Garmin, Stop Audio" - To stop audio recording.
- "OK, Garmin, Start Travelapse" - To begin a Travelapse recording.

Voice control is available in English, German, French, Spanish, Italian, and Swedish.

5.3 Garmin Drive App Integration

The Garmin Drive app (available for compatible smartphones) provides comprehensive control and management features:

- **Live View:** Remotely access a live view from your dash cam when you're away from your parked car (requires

paid Vault subscription, constant power, and active Wi-Fi connection).

- **Review and Share Videos:** View saved video clips from the secure online Vault (subscription required) and easily share them.
- **Synchronized Video:** View synchronized video clips from up to four dash cams (each sold separately) for increased awareness.
- **Settings Adjustment:** Conveniently adjust all camera settings from your smartphone.

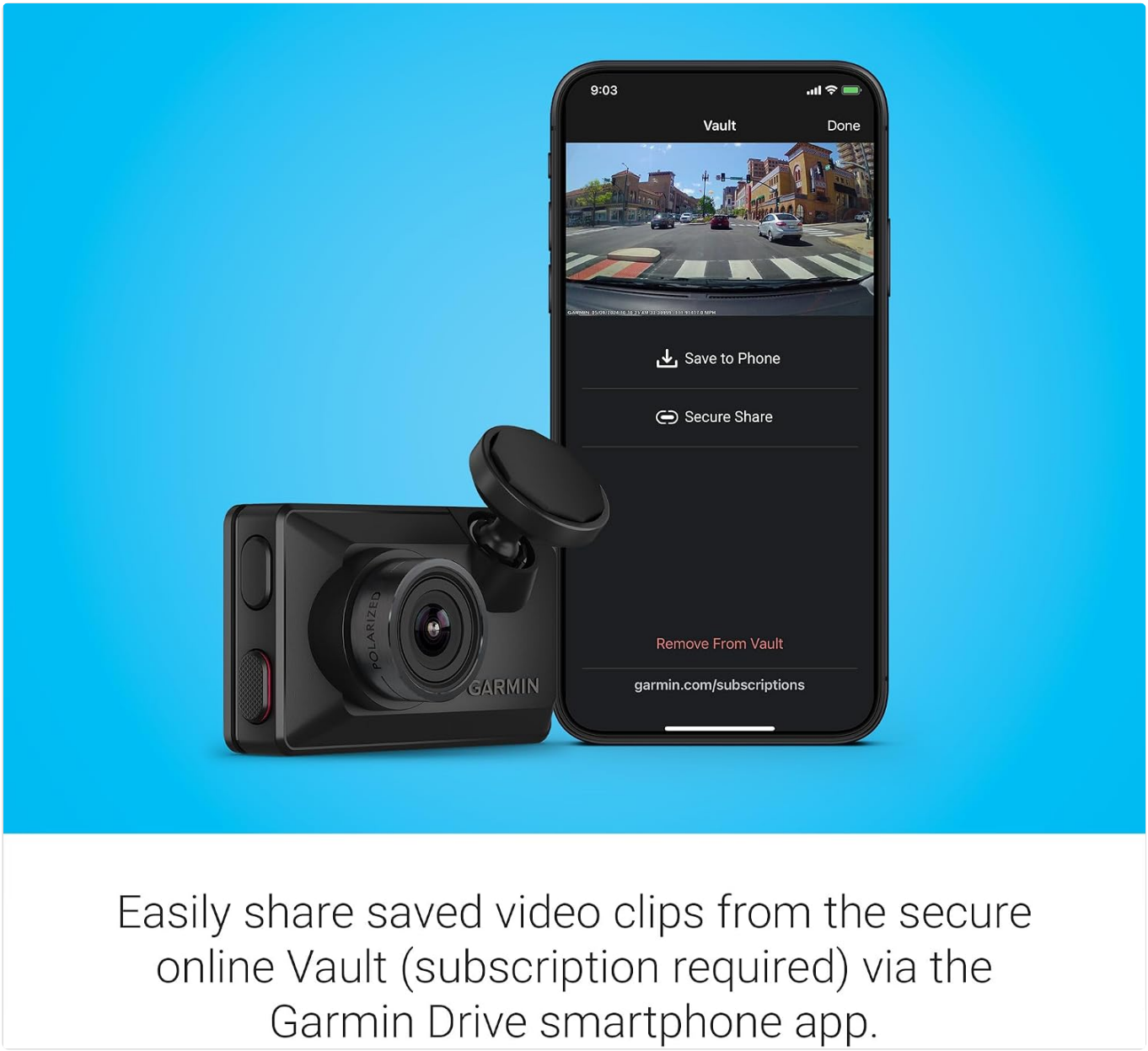


Image: The Garmin Dash Cam X310 positioned next to a smartphone displaying the Garmin Drive app, illustrating the seamless integration for viewing and sharing video clips from the secure online Vault.

5.4 Driver Alerts

The Dash Cam X310 provides various driver alerts to enhance safety and situational awareness:

- **Forward Collision Warning:** Alerts you if you are driving too closely to the vehicle ahead.
- **Lane Departure Warning:** Notifies you if you drift off the road or across the center line.
- **Speed Camera Warnings:** Provides alerts for nearby red light cameras and speed camera warnings (not available in all regions).
- **"Go" Alerts:** Notifies you when stopped traffic in front of you has started to move.

Note: Certain conditions may impair the warning functions. Refer to Garmin.com/warnings for more details.

6. Maintenance

6.1 Cleaning the Device

To maintain optimal performance, regularly clean your Dash Cam X310. Use a soft, lint-free cloth to wipe the lens and screen. Avoid abrasive cleaners or solvents that could damage the device.

6.2 MicroSD Card Management

The dash cam automatically overwrites the oldest unsaved video clips when the memory card is full. For important footage, ensure you save clips to the Vault or transfer them to another storage device. Periodically format your microSD card (via the device settings or Garmin Drive app) to maintain performance and clear unnecessary data.

This dash cam supports a microSD memory card (sold separately) with up to 512 GB.

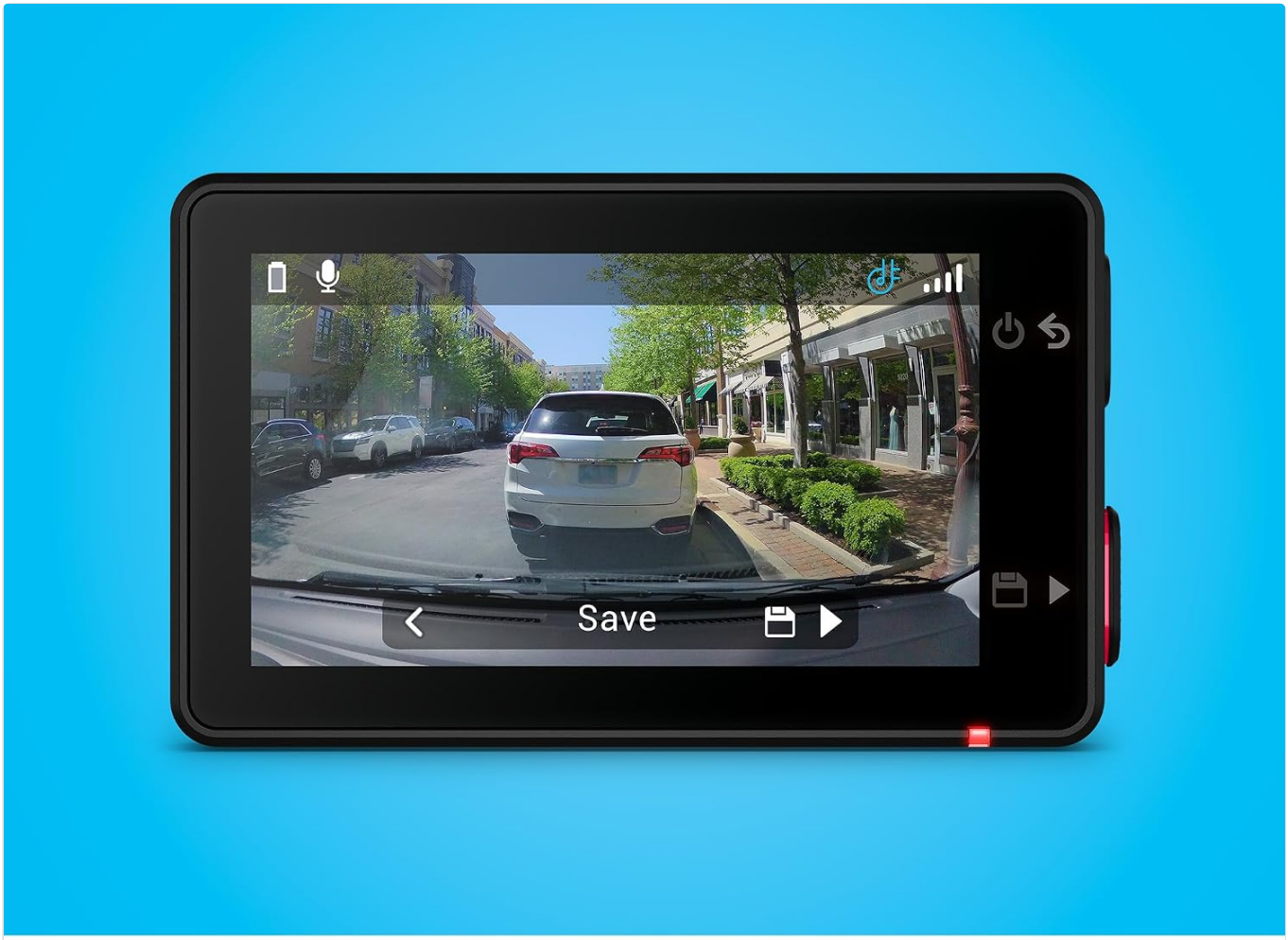
7. Troubleshooting

7.1 Device Not Powering On

- Ensure the vehicle power cable is securely connected to the dash cam and the dual-USB power adapter is firmly plugged into the vehicle's 12V outlet.
- Check your vehicle's 12V power outlet for power. Try plugging in another device to confirm it's working.
- Verify that your vehicle's ignition is on, as some 12V outlets are only active when the ignition is engaged.

7.2 Video Footage is Blurry or Glare is Present

- Clean the dash cam lens and your windshield thoroughly.
- Ensure the built-in Garmin Clarity™ polarizer lens is clean and properly aligned. The polarizer helps reduce windshield glare.
- Adjust the camera's position to minimize direct sunlight or strong reflections.



Compact, pocket-size dash camera with intuitive 2.4” LCD touchscreen display to easily play back video or adjust settings.

Image: A split view on the Garmin Dash Cam X310's screen, demonstrating the effect of the built-in Garmin Clarity polarizer lens. One side shows a view with glare, while the other shows a clearer view after glare reduction, highlighting the polarizer's effectiveness.

7.3 Wi-Fi Connection Issues

- Ensure your smartphone's Wi-Fi is enabled and you are within range of the dash cam.
- Restart both the dash cam and your smartphone.
- Forget the dash cam's Wi-Fi network on your phone and reconnect.
- Ensure the Garmin Drive app is up to date.

7.4 Parking Guard Not Functioning

- Parking Guard requires a paid Vault subscription and an active Wi-Fi network connection.
- The dash cam needs constant power to function in parking guard mode. Some vehicles may require a Constant Power Cable (sold separately) for this feature.
- Ensure the Garmin Drive app is running on your compatible smartphone to receive notifications.

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Video: A video demonstrating how to provide constant power to dashcams, even while parked. This is crucial for features like Parking Guard and Live View, which require continuous power supply to the device.

8. Warranty and Support

For warranty information, please refer to the documentation included in your product box. For additional support, visit the official Garmin website or contact Garmin customer service.

Garmin Support: www.garmin.com/support

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