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> [AZDOME](#) /

> [AZDOME M550 Pro ADAS Dash Cam User Manual](#)

AZDOME M550 Pro

AZDOME M550 Pro ADAS Dash Cam User Manual

Model: M550 Pro

Introduction	What's in the Box	Product Overview	Setup & Installation	Operating Instructions
	Maintenance	Troubleshooting	Specifications	Warranty & Support

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AZDOME M550 Pro ADAS Dash Cam. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

2. WHAT'S IN THE BOX

Verify that all items listed below are present in your package.

- 1 x AZDOME M550 Pro Dash Cam
- 1 x Rear Camera (6M/20ft)
- 1 x Magnetic Bracket with GPS
- 1 x 64GB Memory Card
- 1 x 12ft Power Supply Cable with Car Charger
- 2 x Electrostatic Sticker
- 1 x Installation Tools Kit (Pry Tool, Cable Clips)
- 1 x AZDOME M550 Pro User Manual



Image: Contents of the AZDOME M550 Pro Dash Cam package, including front camera, rear camera, car charger, USB power cable, adhesive bracket, cable clips, pry tool, 64GB SD card, electrostatic film, and user manual.

3. PRODUCT OVERVIEW

The AZDOME M550 Pro is an advanced dual-channel dash camera system designed to enhance driving safety and provide comprehensive recording capabilities.

Key Features:

- **4K+2.5K Dual Recording:** Records front video in Ultra HD 4K (3840x2160P) and rear video in 2.5K (2560x1440P) for clear, detailed footage.
- **ADAS Intelligent Driving System:** Provides real-time warnings for forward collision, pedestrian collision, lane departure, close distance, and front vehicle start.
- **Enhanced BSD & LCA:** Monitors blind spots and provides warnings for nearby vehicles, reducing lane-change risks.
- **Built-in 5.8GHz Wi-Fi & Smart APP Control:** Connects to the "AZDOME" app for live preview, video download, and sharing with faster 5.8GHz Wi-Fi.
- **Voice Control:** Supports 10 voice commands for hands-free operation, such as "Lock the video."
- **G-sensor & Loop Recording:** Automatically locks and saves footage upon collision detection and overwrites oldest files when the memory card is full.
- **24-Hour Parking Mode:** Monitors your vehicle while parked, recording automatically if collision is detected (requires separate hardwire kit, ASIN: B0BM9JL327).
- **Built-in GPS:** Records speed, route, and coordinates, viewable via the AZDOME GPS Player or app.
- **Super Night Vision:** Equipped with a 6-glass lens and F1.8 aperture for clear recording in low-light conditions.
- **Super Capacitor:** Provides reliable operation and longevity, especially in extreme temperatures.
- **Flexible Design:** Features an adjustable front camera, 360° rotating rear camera, removable mount, and a 3.19-inch IPS screen.



Image: Overview of the AZDOME M550 Pro Dash Cam highlighting 4K+2.5K recording, 5GHz WiFi, GPS, 3.19" IPS screen, G-sensor, ADAS, Parking Monitor, and included 64GB card.

4. SETUP & INSTALLATION

Follow these steps for proper installation of your dash cam.

4.1 Initial Setup

1. **Insert Memory Card:** Ensure the 64GB memory card (or a compatible Class 10, U3 speed card up to 256GB) is inserted correctly into the dash cam.
2. **Attach Mount:** Secure the magnetic bracket with GPS to the dash cam.

4.2 Front Camera Installation

1. **Choose Location:** Select a location on your windshield, preferably behind the rearview mirror, that does not obstruct your view.
2. **Clean Surface:** Clean the chosen area on the windshield thoroughly with an alcohol wipe and let it dry.
3. **Apply Electrostatic Sticker:** Apply one electrostatic sticker to the cleaned area. This helps in easy removal and repositioning without leaving residue.
4. **Attach Dash Cam:** Peel off the protective film from the adhesive on the magnetic mount and firmly press it onto the electrostatic sticker. Hold for 30 seconds.
5. **Connect Power:** Route the 12ft power supply cable from the dash cam along the windshield edge, down the A-pillar, and to your car's cigarette lighter socket. Use the provided cable clips and pry tool to tuck the cable neatly.

Easy Installation



Image: Diagram showing the recommended cable routing for the front and rear dash cameras, illustrating how to tuck cables along the car's interior trim.

4.3 Rear Camera Installation

1. **Choose Location:** Mount the rear camera on the rear windshield, ensuring a clear view of the road behind.
2. **Route Cable:** Connect the rear camera cable to the main dash cam unit. Route this cable along the headliner, down the C-pillar, and to the rear camera. Use cable clips to secure it.
3. **Secure Camera:** Attach the rear camera using its adhesive mount to the chosen spot on the rear windshield.

Your browser does not support the video tag.

Video: An official product video demonstrating the unboxing and installation process for the AZDOME M550 Pro Dash Cam. This video shows how to connect the components and route the cables within a vehicle.

4.4 Powering On

Plug the car charger into your vehicle's cigarette lighter socket. The dash cam will automatically power on and begin recording when your vehicle starts.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** The device powers on/off automatically with the vehicle ignition. You can manually power it on/off by pressing and holding the power button.
- **Recording:** Recording starts automatically when the device powers on. A red indicator light or icon on the screen confirms recording is active.
- **Screen Display:** The 3.19-inch IPS screen displays live views from the front and rear cameras. You can switch display modes (front only, rear only, picture-in-picture) using the on-screen controls or physical buttons.



Image: The AZDOME M550 Pro Dash Cam mounted on a windshield, showing its screen displaying both front and rear camera views simultaneously.

5.2 Voice Control

The M550 Pro supports 10 voice commands for hands-free operation. Simply speak the command clearly.

- "Lock the video" - Locks the current recording to prevent overwriting.
- (Other commands are typically listed in the full user manual.)

5.3 Wi-Fi & App Control

Connect your dash cam to the "AZDOME" app on your smartphone for advanced control and file management.

1. **Install App:** Download the "AZDOME" app from the App Store or Google Play.
2. **Enable Wi-Fi:** Turn on the dash cam's Wi-Fi.
3. **Connect Phone:** On your phone, go to Wi-Fi settings and connect to the dash cam's Wi-Fi network (SSID and password usually found on the dash cam screen or manual). Turn off cellular data and VPN on your phone for a stable connection.
4. **Open App:** Launch the AZDOME app and follow the prompts to add your dash cam.
5. **Functions:** Use the app for live view, playback, downloading videos (5.8GHz Wi-Fi offers faster

downloads), and sharing footage.

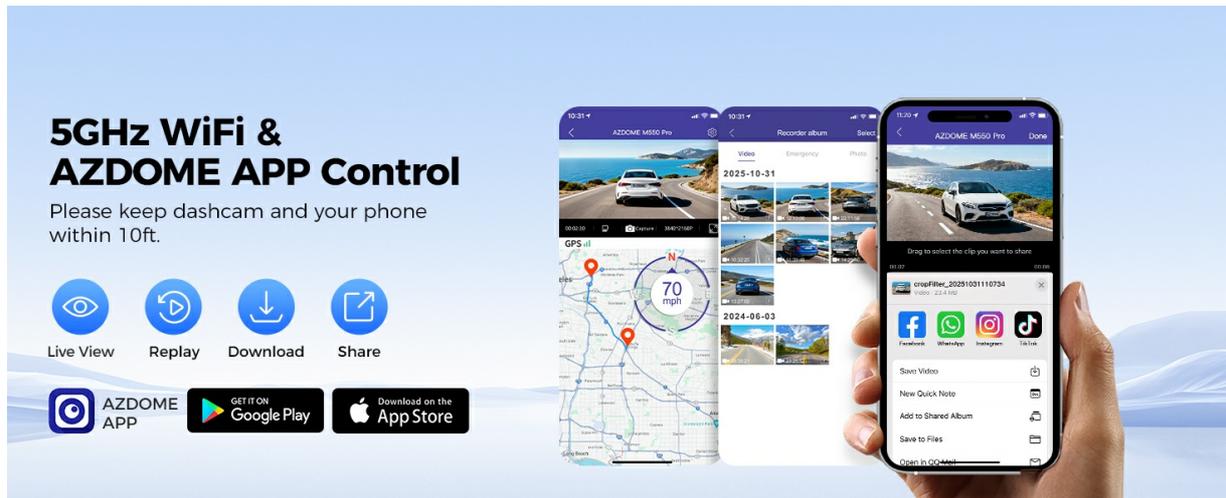


Image: A smartphone screen showing the AZDOME app interface with options for live view, replay, download, and sharing, demonstrating the 5GHz Wi-Fi connectivity.

APP WiFi Connection Guide for M550 Pro

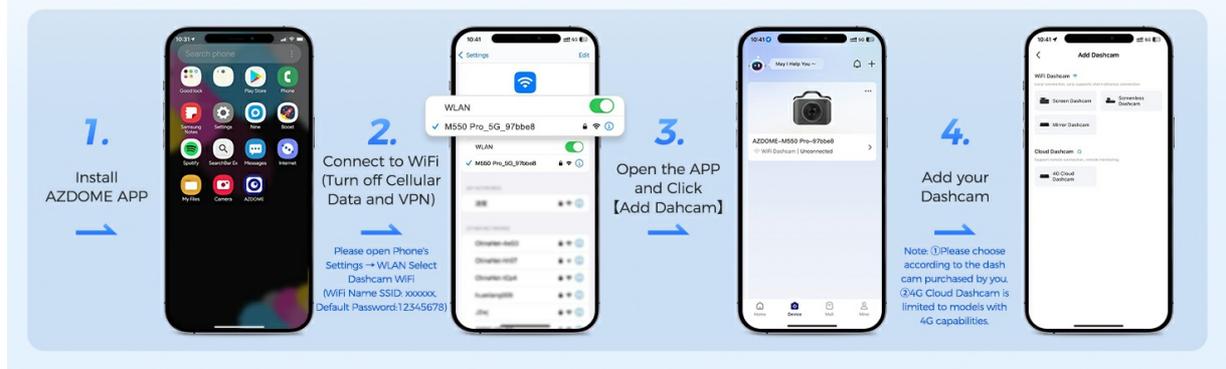


Image: Step-by-step guide for connecting the AZDOME M550 Pro to the mobile app via Wi-Fi, showing initial app installation and device pairing.

APP WiFi Connection Guide for M550 Pro

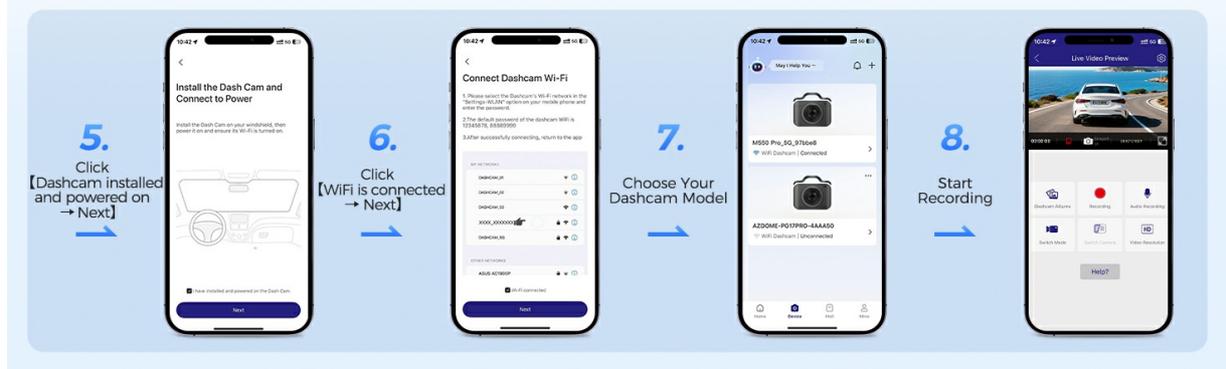


Image: Continuation of the Wi-Fi connection guide, detailing steps to confirm connection, select the dashcam model, and start recording through the app.

5.4 ADAS (Advanced Driver Assistance System)

The ADAS system provides real-time alerts to help prevent accidents.

- **Forward Collision Warning:** Alerts you if you are approaching a vehicle too quickly.
- **Pedestrian Collision Warning:** Warns of potential collisions with pedestrians.

- **Lane Departure Warning:** Notifies you if you drift out of your lane without signaling.
- **Close Distance Warning:** Alerts when you are too close to the vehicle ahead.
- **Front Vehicle Start Warning:** Informs you when the vehicle in front has started moving.

Safe ADAS Technology

If collision risk, alarm sounds and visual alert shows.



Image: Visual representation of the ADAS features, including warnings for forward collision, pedestrian collision, lane departure, close distance, and front vehicle start.

5.5 Parking Mode

To enable 24-hour parking monitoring, a separate 3-lead hardwire kit (ASIN: B0BM9JL327) is required. Once installed, the dash cam will automatically detect collisions and record footage while your vehicle is parked.



Image: Illustration of the 24-hour parking monitor feature, showing collision detection and time-lapse recording modes protecting a parked car.

5.6 Loop Recording & G-Sensor

- **Loop Recording:** The dash cam continuously records. When the memory card is full, it automatically overwrites the oldest unlocked files. Recording segments can typically be set to 1, 2, or 3 minutes.
- **G-Sensor:** In the event of a sudden impact or collision, the built-in G-sensor detects the event and automatically locks the current video segment, preventing it from being overwritten by loop recording.

Loop Recording

Every 1/2/3 mins loop recording, it will auto overwrite the oldest files when the memory card is about full, supporting cards up to 256GB.



• Recording time for different memory cards.

64G	128G	256G
2H	4H	8H



Image: Visual explanation of loop recording, showing how the dash cam continuously records and overwrites older files when the memory card is full.

Emergency Lock

Auto lock and save the accident video to avoid being overwritten when a collision detected

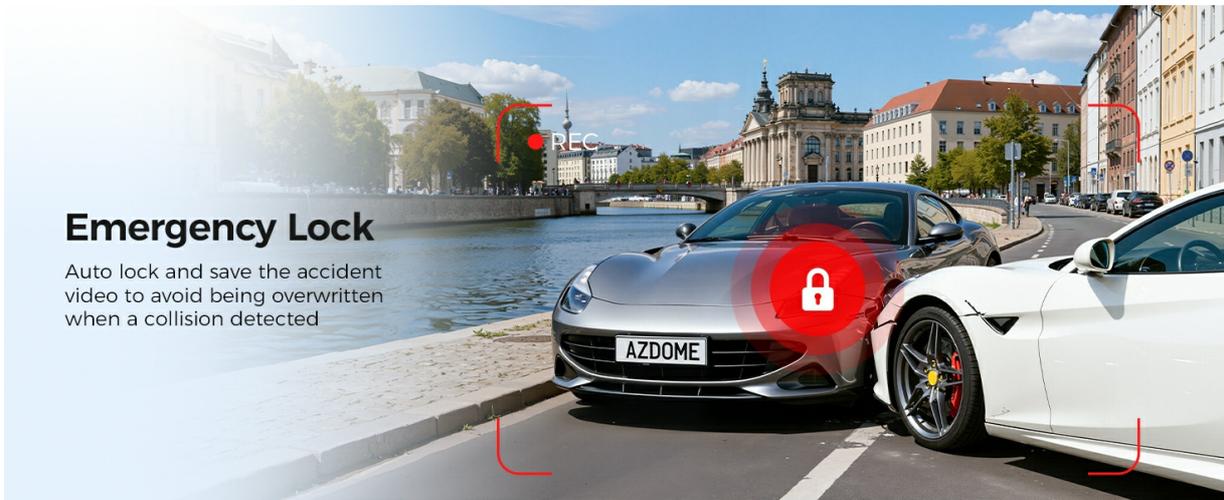


Image: Illustration of the Emergency Lock feature activated by the G-sensor, showing a collision scenario where video footage is automatically secured.

5.7 GPS Tracking

The integrated GPS module records your vehicle's speed, route, and location data. This information can be viewed using the AZDOME GPS Player software on a computer or directly within the AZDOME app.

GPS Tracking

Playback recorded videos on GPS player, capturing your location, route and speed.



Image: Depiction of the built-in GPS functionality, showing how it logs location, speed, and time, and how this data can be viewed on a map.

6. MAINTENANCE

- **Memory Card Formatting:** Regularly format the memory card (at least once a month) to ensure optimal performance and prevent data corruption. This can usually be done through the dash cam's settings menu or the AZDOME app.
- **Lens Cleaning:** Keep the camera lenses clean using a soft, lint-free cloth. Avoid abrasive materials that could scratch the lens.
- **Firmware Updates:** Check the AZDOME website or app periodically for firmware updates to ensure your dash cam has the latest features and bug fixes.
- **Power Supply:** Use only the original or manufacturer-approved power supply cable and car charger to prevent damage to the device.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty cable/charger; loose connection.	Check power connection. Ensure car charger is working. Try a different USB port or car charger.
Recording stops unexpectedly.	Memory card full or corrupted; incompatible memory card; power interruption.	Format the memory card. Use a Class 10, U3 speed card. Check power connection stability.
Wi-Fi connection issues.	Incorrect password; phone's cellular data/VPN active; interference.	Verify Wi-Fi password. Disable cellular data and VPN on your phone. Ensure phone is within 10ft of the dash cam.
Poor video quality at night.	Dirty lens; extreme low light conditions.	Clean the camera lens. Ensure no obstructions.
ADAS warnings are inaccurate.	Camera misaligned; environmental factors (heavy rain, fog).	Ensure the front camera is properly aligned and windshield is clean. ADAS performance can be affected by weather.

8. SPECIFICATIONS

Model Name	M550 Pro
Product Dimensions	1.97 x 3.94 x 1.97 inches
Item Weight	3.53 ounces
Connectivity Technology	Wi-Fi (5.8GHz/2.4GHz Dual-band)
Video Capture Resolution	Front: 4K (3840x2160p), Rear: 2.5K (2560x1440p)
Field Of View	150 Degrees (Front), 140 Degrees (Rear)

Special Features	ADAS, Built-in GPS, Voice Control, G-sensor, Loop Recording, 24H Parking Monitor, Super Night Vision, Super Capacitor
Included Memory Card	64GB (Supports up to 256GB, Class 10, U3 Speed)
Mounting Type	Dashboard Mount (Adhesive)
Screen Size	3.19" IPS Screen

9. WARRANTY & SUPPORT

AZDOME M550 Pro dash camera provides a 12-month warranty. For technical support or warranty claims, please contact AZDOME directly.

- **Technical Support:** 24/7 technical support is available. Message us directly in the "AZDOME" app or email us.
- **Response Time:** AZDOME R&D team aims to provide feedback within 24 hours on working days.

For the fastest help with any issue, please message us directly in the "AZDOME" app or email us.