AZDOME M580

AZDOME M580 Dash Cam User Manual

Model: M580

Your ultimate guide to setting up and using your AZDOME M580 Dash Cam.

1. PRODUCT OVERVIEW

The AZDOME M580 is a high-performance dual dash camera system designed to provide comprehensive recording of your driving experience. It features a 5K front camera, a 1080P rear camera, a 4-inch touchscreen, built-in 5GHz WiFi, and GPS functionality.

Figure 1: AZDOME M580 Dash Cam and its main components.

Key Features:

- **Dual Dash Cam:** Front camera records in 5K (5160x2160P) or 4K (3840x2160P) when paired with the 1080P rear camera.
- **Upgraded 4-inch Touch Screen:** Sensitive touchscreen display for easy menu navigation and playback.
- **Built-in 5GHz WiFi:** Offers 4-6 times faster transmission speeds than 2.4GHz for quick video downloads (up to 800Mb in 10 seconds).
- **Built-in GPS:** Records speed, route, latitude, and longitude data, viewable via the AZDOME GPS Player.
- **24H 4 Modes Parking Monitor:** Includes AUTO turn-off, normal recording, time-lapse, and motion detection parking modes.
- **Included 64GB SD Card:** Ready for immediate use upon formatting.
- **WDR Night Vision:** Advanced technology for crystal clear footage in low-light conditions.

Product Components:

Figure 2: Main unit and rear camera with labeled parts.

1. Touch Screen
2. GPS Mounting Bracket
3. Power Button
4. Type-C Charging Port
5. Micro SD Card Slot
6. Rear Cam Connection Port (Type-C)
7. Reset Button
8. Rear Camera

2. SETUP

What's in the Box:

- 1 * M580 5K Dash Cam
- 1 * 1080P in-car Rear Camera
- 1 * 64GB Memory Card
- 1 * 12 ft Power Supply Cable with Car Charger
- 4 * Electrostatic Sticker
- 1 * Installation Tools (Pry Tool, Cable Clips)
- 1 * AZDOME M580 User Manual

Initial Setup Steps:

1. **Format the SD Card:** Before first use, insert the included 64GB SD card into the Micro SD Card Slot (5). Power on the dash cam and navigate to the settings menu to format the SD card. This ensures optimal performance and compatibility.

2. **Mounting the Dash Cam:**

Easy Installation

Figure 3: Easy installation process for the dash cam.

- Clean the windshield area where you intend to mount the dash cam.
- Attach an electrostatic sticker to the windshield first, then apply the 3M adhesive bracket to the sticker. This allows for easier removal without leaving residue.
- Slide the main dash cam unit onto the GPS Mounting Bracket (2).

3. **Connecting Power:** Connect the 12 ft Power Supply Cable with Car Charger to the Type-C Charging Port (4) on the dash cam and plug the car charger into your vehicle's cigarette lighter socket.

4. **Connecting the Rear Camera:** Connect the 1080P in-car Rear Camera (8) to the Rear Cam Connection Port (Type-C) (6) on the main unit. Route the cable neatly along the headliner and A-pillar using the provided installation tools and cable clips.

3. OPERATING INSTRUCTIONS

Touch Screen Navigation:

The 4-inch sensitive touchscreen allows for intuitive control. Tap on icons to access various functions and settings. Swipe to navigate through menus and recorded footage.

Figure 4: User-friendly touch screen interface.

Recording Modes:

- **Seamless Loop Recording:** The dash cam continuously records. When the SD card is full, it automatically overwrites the oldest unlocked footage.
- **Quick Emergency Lock (G-sensor):** The built-in G-sensor detects collisions and automatically locks the current video footage to prevent it from being overwritten. You can also manually lock footage by tapping the lock icon on the screen.

1. Touch Screen
2. GPS Mounting Bracket
3. Power Button
4. Type-C Charging Port
5. Micro SD Card Slot
6. Rear Cam Connection Port (Type-C)
7. Reset
8. Rear Camera

Figure 5: Automatic and manual emergency lock functions.

Parking Monitor (24H):

The M580 offers four parking monitoring modes for 24-hour surveillance (requires a 3-lead Hardwire Kit, ASIN: B0BM9JL327):

1. **AUTO Turn Off:** G-sensor detects collisions and records video when the camera is off.
2. **Normal Recording:** G-sensor detects collisions and locks video while continuous recording.
3. **Time-Lapse:** Records continuously for 24 hours at a low frame rate.
4. **Motion Detection:** Automatically starts recording when motion is detected.

Figure 6: Overview of 24-hour parking modes.

Wi-Fi Connectivity & App Usage:

The built-in 5GHz WiFi allows for fast data transfer to your smartphone via the AZDOME app. Download the app from your device's app store.

Video 1: Demonstrates connecting the AZDOME M580 to the smartphone app for live view, playback, and downloading videos.

Once connected, you can:

- View real-time video feed.
- Playback recorded footage directly on your phone.

- Download videos to your phone's gallery.
- Share videos to social media platforms.

GPS Playback:

Utilize the AZDOME GPS Player software on your computer to view recorded driving routes, speed, and location data, providing comprehensive evidence.
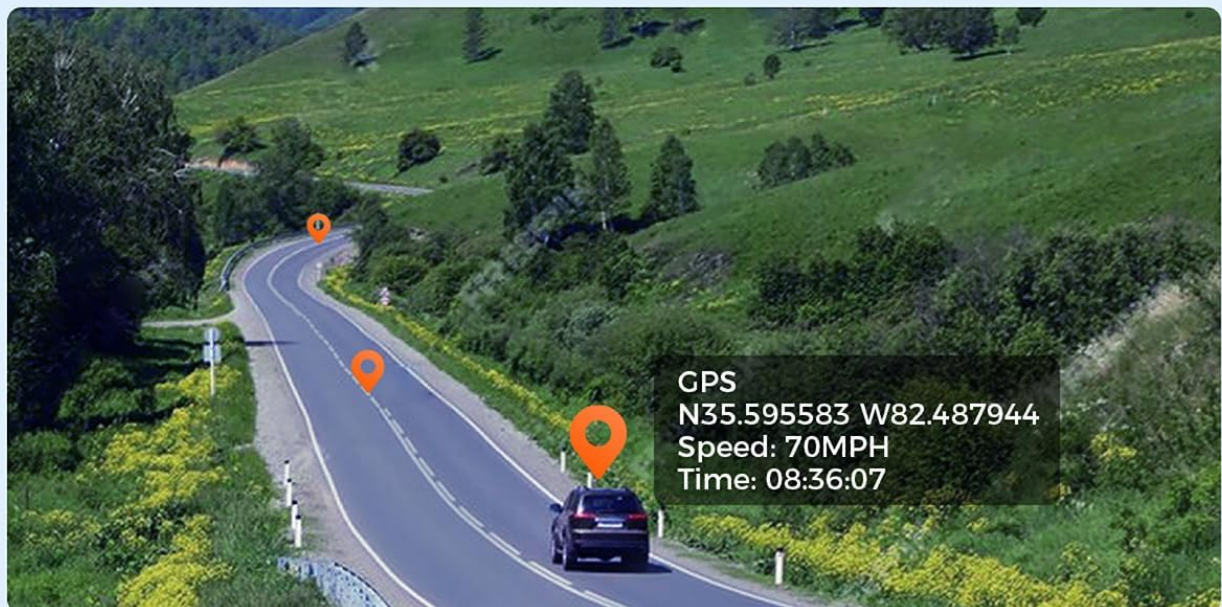

Figure 7: GPS data overlay on recorded video.

4. MAINTENANCE

SD Card Management:

- Regularly format the SD card (at least once a month) to ensure stable recording and prevent data corruption.
- Use a high-quality U3 or higher speed Micro SD card for optimal performance.

Cleaning:

- Gently wipe the camera lenses with a soft, lint-free cloth to remove dust or smudges.
- Clean the touchscreen with a microfiber cloth to maintain responsiveness and clarity.

5. TROUBLESHOOTING

- **Dash Cam Not Powering On:** Ensure the power cable is securely connected to both the dash cam and the car charger. Check if the car's cigarette lighter socket is functioning.
- **SD Card Not Detected/Recording Issues:** Format the SD card via the dash cam's settings. Ensure the SD card is a high-speed (U3 or higher) card. Try a different SD card if issues persist.
- **App Connectivity Problems:** Ensure the dash cam's Wi-Fi is enabled. Disable cellular data on your phone before connecting to the dash cam's Wi-Fi network.
- **Overheating:** It is normal for the dash cam to get warm during operation, especially in hot weather. If it becomes excessively hot or shuts down, ensure it has proper ventilation and is not exposed to direct sunlight for prolonged periods when parked.
- **Rear Camera Not Displaying:** Check the connection cable between the main unit and the rear camera. Ensure it is securely plugged into both ports.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	1.18 x 4.06 x 1.75 inches
Item Weight	1.46 pounds
Video Capture Resolution	Front: 5K (5160x2160P); Front & Rear: 4K (3840x2160P) + 1080P
Connectivity Technology	Wi-Fi (5GHz/2.4GHz)

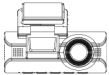| Feature	Detail
Special Features	Touch Screen, Automatic Incident Detection, Built-In Supercapacitor, Built-In GPS
Mounting Type	Windshield Mount
Power Source	1 Lithium Metal battery (included)

7. WARRANTY & SUPPORT

AZDOME stands behind its products with a comprehensive warranty and dedicated customer support.

Figure 8: AZDOME Warranty and Customer Support details.

- **Warranty:** The AZDOME M580 Dual dashcam includes a 12-month warranty.
- **Customer Support:** AZDOME provides 24/7 customer support. For product inquiries or technical assistance, please reach out to the AZDOME support team.

Related Documents - M580

AZDOME **PG17 Pro 4K+2.5K** **MIRROR DASH CAM** AZDOME PG17 Pro (V1.0)	[AZDOME PG17 Pro 4K+2.5K Mirror Dash Cam User Manual](#) An introduction and user manual for the AZDOME PG17 Pro mirror dash cam, detailing its features, installation, specifications, and operation. Learn how to use your 4K+2.5K dash cam for optimal performance.
AZDOME **M01 Max 2 CHANNEL** **DASH CAM** M01 Max	[AZDOME M01 Max 2 Channel Dash Cam User Manual](#) Comprehensive user manual for the AZDOME M01 Max 2 Channel Dash Cam, detailing specifications, installation, features, and button functions. Includes setup guide and customer service information for optimal vehicle safety.
Owner's Manual M63 **AZDOME** Enjoy Your Smart Driving	[AZDOME M63 Dash Cam Owner's Manual](#) Comprehensive owner's manual for the AZDOME M63 dash cam, covering installation, features, settings, troubleshooting, and firmware updates. Learn how to set up and use your smart driving companion.
User Manual M01 Pro **AZDOME** Enjoy Your Smart Driving	[AZDOME M01 Pro Dash Cam: Rear Camera Playback Instructions](#) Instructions for accessing rear camera video playback on the AZDOME M01 Pro dash cam. Learn how to long press to view rear camera footage. Model: AZD240603-7312.
User Manual M550 Pro **AZDOME** www.azdome.com Enjoy Your Smart Driving	[AZDOME M550 Pro 4K Dash Cam User Manual and Installation Guide](#) Comprehensive user manual for the AZDOME M550 Pro 4K Dash Cam, covering installation, operation, specifications, and troubleshooting. Learn how to use your M550 Pro dashcam for smart driving.
User Manual PG16S-3CH **AZDOME** www.azdome.com Enjoy Your Smart Driving	[AZDOME PG16S-3CH Dash Cam User Manual](#) Comprehensive user manual for the AZDOME PG16S-3CH dash cam, covering installation, features, system settings, and troubleshooting.