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myGEKOGear Orbit 500

myGEKOGear Orbit 500 Dash Cam User Manual

Model: Orbit 500

INTRODUCTION

The myGEKOGear Orbit 500 is a high-performance Full HD 1080p Wi-Fi Dash Cam designed to capture clear footage of your drives and provide crucial evidence in the event of an incident. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Orbit 500 Dash Cam.

Key features include:

- **Full HD 1080p Recording:** Captures clear, high-definition video.
- **120° Field of View:** Provides a wide perspective of the road.
- **Wi-Fi Connectivity:** Allows instant file sharing, live view, and playback via a dedicated mobile application.
- **G-Sensor:** Automatically locks video files upon detecting sudden impacts or braking, preventing overwriting.
- **24/7 Surveillance:** Utilizes the included OBD II power cable for continuous monitoring of your parked vehicle.
- **MicroSD Card Support:** Supports up to 32GB storage, with an 8GB microSD card included.



Image: The myGEKOGear Orbit 500 Dash Cam shown alongside a smartphone displaying its app interface, illustrating live view and file management capabilities.

ORBIT 500



1080P Full HD



OBD II Power Cable Included - Power ON dash cam when vehicle is parked.



Wi-Fi for Instant File Sharing



G-Sensor - Emergency File Saving



Supports 32GB, 8GB MicroSD Included

Image: An overview diagram highlighting the Orbit 500's main features: 1080p Full HD, OBD II power cable, Wi-Fi, G-Sensor, and 32GB MicroSD support.

SETUP AND INSTALLATION

1. What's in the Box

Before you begin, ensure all components are present:

- Orbit 500 Vehicle Camera
- Adhesive Mount
- Power Cable (standard 12V car charger)
- OBD II Power Cable (for 24/7 surveillance)
- 8GB MicroSD Card

2. Inserting the MicroSD Card

Locate the microSD card slot on the side of the Orbit 500. Gently insert the included 8GB microSD card until it clicks into place. Ensure the card is inserted correctly to avoid damage. It is recommended to format the card within the dash cam settings before first use.

Supports 32GB, 8GB MicroSD Included

Supporting up to 32GB of footage, to record hours before it's looped recorded over. 8GB microSD card included so you can start installation and start recording your drives.



Image: A close-up of the Orbit 500 dash cam next to an 8GB MicroSD card, illustrating the card's small size and its role in data storage.

3. Mounting the Dash Cam

Choose a location on your windshield that does not obstruct your view of the road. Typically, this is behind the rearview mirror. Clean the area thoroughly before applying the adhesive mount. Attach the Orbit 500 to the adhesive mount, ensuring it is securely fastened and the lens has a clear view of the road ahead.



Image: The myGEKOgear brand logo.

4. Power Connection

The Orbit 500 can be powered in two ways:

- **Standard Power Cable:** Connect the standard power cable to your vehicle's 12V power outlet (cigarette lighter socket). Route the cable neatly to avoid interference with driving.
- **OBD II Power Cable (for 24/7 Surveillance):** For continuous recording even when your vehicle is parked, connect the OBD II power cable to your vehicle's OBD II port. This port is usually located under the dashboard on the driver's side. The Orbit 500 is designed with low voltage battery protection, automatically shutting off if your car battery falls below 11.6 volts to prevent complete drainage.



Image: The Orbit 500 dash cam installed in a car, with the OBD II power cable connected, illustrating its 24-hour parking monitoring capability.

5. Wi-Fi Connectivity and App Setup

The Orbit 500 features Wi-Fi connectivity for easy access to your footage via a smartphone or tablet app. Download the official myGEKOGear app from your device's app store (iOS App Store or Google Play Store).

1. Turn on the Orbit 500.
2. On your smartphone/tablet, go to Wi-Fi settings and connect to the Orbit 500's Wi-Fi network (SSID and password can be found on the device or in the manual's quick start guide).
3. Open the myGEKOGear app. You can now view live footage, play back recorded videos, and download files directly to your device.



Wi-Fi Support

Instantly view, download, and share your footage through the app.

Image: A smartphone screen showing the myGEKOGear app interface with video files, positioned in front of a city street, emphasizing Wi-Fi support for instant file sharing.

OPERATING INSTRUCTIONS

1. Automatic Recording

Once powered on, the Orbit 500 will automatically begin loop recording. This means it records video in segments (e.g., 1, 3, or 5 minutes) and, once the microSD card is full, it will automatically overwrite the oldest files. This ensures continuous recording without manual intervention.

2. G-Sensor for Emergency File Saving

The built-in G-Sensor detects sudden acceleration, braking, or impacts. When such an event occurs, the current video segment is automatically locked and saved to a protected folder on the microSD card. These locked files will not be overwritten by loop recording, preserving critical evidence. You can adjust the G-Sensor sensitivity in the device settings.

G-sensor for Emergency Files

The g-sensor will sense an impact or drastic braking and lock onto your emergency files to provide evidence for insurance purposes.



Image: A scene depicting a damaged car, with text highlighting the G-sensor's function in saving emergency files for insurance purposes during impacts or drastic braking.

3. Parking Monitor (24/7 Surveillance)

When connected via the OBD II power cable, the Orbit 500 provides 24/7 surveillance. In parking mode, the dash cam will detect motion or impact and automatically begin recording. This feature is designed to monitor your vehicle even when you are away, providing security against vandalism or theft attempts.

4. Using the Mobile App

The myGEKOgear app is your primary interface for managing the Orbit 500's recordings and settings:

- **Live View:** See what your dash cam is recording in real-time.
- **Playback:** Browse and play back recorded video files directly on your smartphone/tablet.
- **Download:** Select and download important video clips to your device's local storage.
- **Settings:** Adjust various dash cam settings, including video resolution, loop recording duration, G-Sensor sensitivity,

and more.

MAINTENANCE

1. MicroSD Card Management

Regularly format your microSD card (at least once a month) to ensure optimal performance and prevent data corruption. This can usually be done through the dash cam's menu settings or via the mobile app. Back up any important files before formatting, as it will erase all data on the card.

The Orbit 500 supports microSD cards up to 32GB. Using a high-quality, high-speed (Class 10 or higher) microSD card is recommended for reliable recording.

2. Cleaning the Device

Wipe the dash cam lens periodically with a soft, lint-free cloth to ensure clear video quality. Avoid using abrasive cleaners or solvents. Keep the device free from dust and debris.

3. Firmware Updates

Check the myGEKOGear official website or the mobile app periodically for any available firmware updates. Firmware updates can improve performance, add new features, or fix bugs. Follow the instructions provided with the firmware update carefully.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty cable; vehicle power outlet issue.	Check power cable connection. Ensure vehicle's 12V outlet or OBD II port is functional. Try a different power source if available.
Recording stops or freezes.	MicroSD card full or corrupted; slow microSD card; firmware issue.	Format the microSD card. Use a high-speed (Class 10 or U1/U3) microSD card. Check for firmware updates.
Wi-Fi connection issues.	Incorrect Wi-Fi password; too far from device; app issue.	Ensure correct Wi-Fi password. Stay within close proximity to the dash cam. Restart the app and the dash cam.
Video quality is poor/blurry.	Dirty lens; protective film still on lens; incorrect resolution setting.	Clean the lens with a soft cloth. Remove any protective film. Ensure video resolution is set to 1080p in settings.
Dash cam drains car battery (when using OBD II).	Vehicle battery health; prolonged parking surveillance in low-power vehicle.	While the Orbit 500 has low voltage protection, prolonged use in parking mode with a weak car battery can still cause issues. Ensure your car battery is in good health. If issues persist, consider using the standard power cable for daily driving and only use OBD II for specific surveillance needs.

Problem	Possible Cause	Solution
Cannot recirculate video recording (old files not overwritten).	MicroSD card error; too many locked files; card not formatted.	Ensure the microSD card is formatted regularly. Check if the G-Sensor sensitivity is too high, leading to too many locked files. Manually delete old locked files or format the card.

PRODUCT SPECIFICATIONS

Model Name:

Orbit 500 Vehicle Camera

Video Capture Resolution:

1080p Full HD

Field of View:

120 Degrees

Connectivity Technology:

Wi-Fi

Special Features:

24/7 Recording, Mobile App, G-Sensor

Storage Support:

Up to 32GB MicroSD (8GB included)

Power Source:

1 Lithium Ion battery (included), 12V Car Power Cable, OBD II Power Cable

Product Dimensions:

5 x 2 x 5 inches

Item Weight:

9.5 ounces

Color:

Black

Mounting Type:

Adhesive Mount

Included Components:

Orbit 500 Vehicle Camera, Adhesive Mount, Power Cable, 8GB MicroSD

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official myGEKOGear website. Warranty terms and conditions may vary by region and retailer.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact myGEKOGear customer service through their official website or the contact information provided at your point of purchase.

You can also visit the [myGEKOGear Store on Amazon](#) for more product information and support resources.

