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> 4K Dash Cam for BMW 5 Series Gen6 F07 F10 F11 F18 2014 2015 2016 Select 2017 M5 F10(Model B) User Manual

mangoal MG-008X-1

Mangoal 4K Dash Cam User Manual

Model: MG-008X-1

INTRODUCTION

Thank you for choosing the Mangoal 4K Dash Cam. This OEM-style dash camera is designed to seamlessly integrate with your BMW 5 Series Gen6 F07, F10, F11, F18 (2014-2016), and select 2017 M5 F10 (Model B) vehicles, providing high-definition video recording for enhanced driving safety and peace of mind. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance of your device.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Mangoal OEM Look 4K Dashcam x1
- Rain-Fall Sensor Plug Adapter x1
- 64GB MicroSD Card x1
- User Manual x1
- Crowbar x1
- Strap x2



Figure 1: All components included in the Mangoal 4K Dash Cam package.

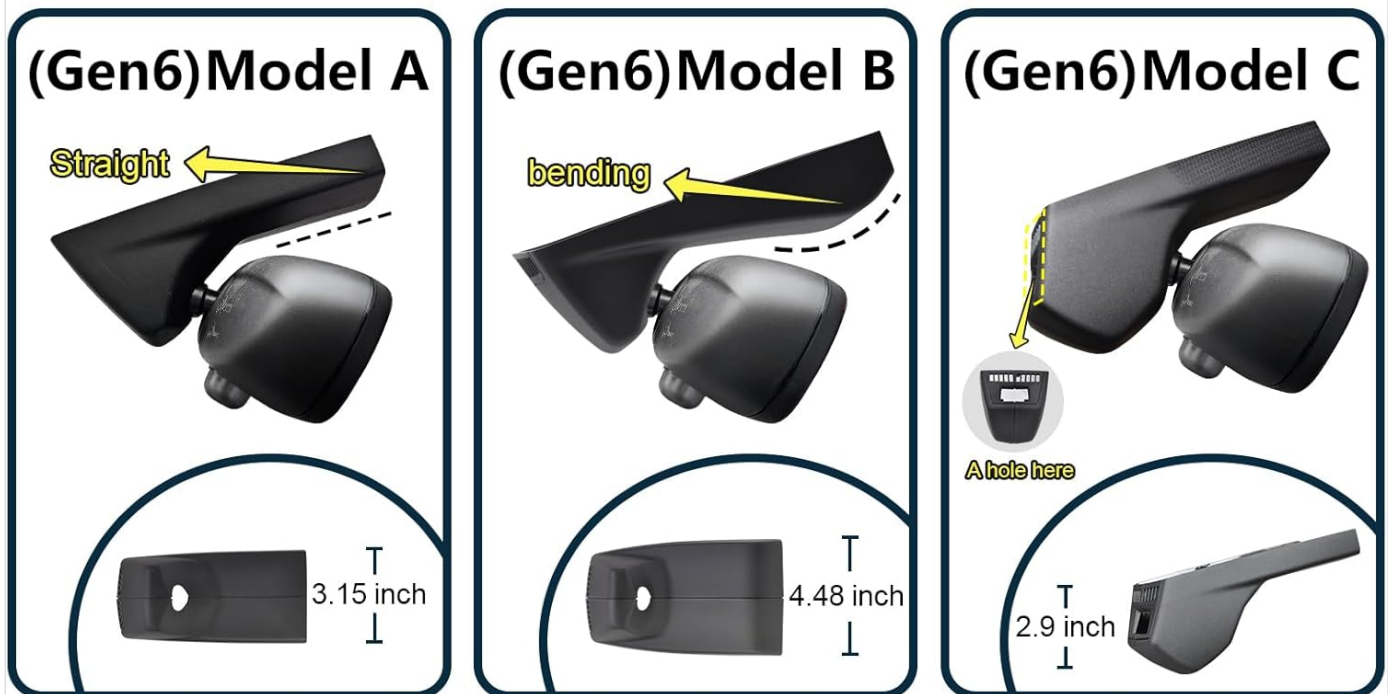
COMPATIBILITY

This Mangoal 4K Dash Cam (Model B) is specifically designed for the following BMW 5 Series models:

- BMW 5 Series Gen6 F07 (2014-2016)
- BMW 5 Series Gen6 F10 (2014-2016)
- BMW 5 Series Gen6 F11 (2014-2016)
- BMW 5 Series Gen6 F18 (2014-2016)
- Select 2017 M5 F10 (Model B)

It is crucial to distinguish between Model A, B, and C based on your vehicle's sensor cover appearance. The dash cam is designed to fit perfectly behind the rearview mirror, maintaining an OEM look.

Which the 5-Series Gen6/M5 F10 Models Are Available?



Suitable for 5-Series F07/F10/F11/F18 gen6 2014-2016, M5 F10

* Please distinguish the cover appearance differences and applicable vehicle styles years of each MODEL. If you can't tell the difference, please take a photo of the original car cover and send it to us.

Figure 2: Comparison of sensor cover types for Model A, B, and C to ensure correct dash cam selection.

KEY FEATURES

- **4K Ultra HD Video:** Records in stunning 2160P/30fps resolution with an f/1.8 aperture lens and CMOS IMX335 chip for clear video in various lighting conditions.
- **OEM Style Integration:** Designed to blend seamlessly with your vehicle's interior, fitting behind the rearview mirror without exposed wiring.

- **Loop Recording:** Automatically overwrites the oldest footage when the memory card is full, ensuring continuous recording.
- **G-Sensor:** Detects sudden collisions and automatically locks the current video footage to prevent overwriting, securing important incident evidence.
- **Built-in WiFi & Mobile App:** Connects to your smartphone via Wi-Fi for real-time video viewing, downloading, and sharing through a user-friendly app.
- **Night Vision:** Enhanced low-light performance for clear recordings during nighttime driving.
- **Built-in Microphone & Speaker:** For audio recording and playback.
- **Built-in Supercapacitor:** Provides reliable power in extreme temperatures and extends the lifespan of the device.
- **Motion Sensing:** Can detect motion for recording when parked (requires optional power adapter).

INSTALLATION GUIDE

The Mangoal 4K Dash Cam is designed for easy, non-destructive installation. Follow these steps carefully:

1. **Remove Reading Light Cover:** Use the provided crowbar tool to carefully pry open and remove the reading light cover near your rearview mirror.
2. **Pull Out the Plug:** Locate and gently pull out the existing power plug from the vehicle's wiring harness in the removed cover area.
3. **Connect Conversion Cable:** Connect the provided Rain-Fall Sensor Plug Adapter (conversion cable) to the vehicle's power plug. Ensure a secure connection.
4. **Hide the Cable:** Carefully tuck and hide the conversion cable and any excess wiring within the headliner or trim to maintain a clean, OEM appearance.
5. **Align and Install Dash Cam:** Align the dash cam with the designated mounting area behind the rearview mirror. Ensure it clicks securely into place, fitting perfectly with the vehicle's sensor cover.
6. **Installation Complete:** Once secured, replace the reading light cover. The dash cam should now be fully integrated and ready for use.

Installation Steps



Figure 3: Step-by-step installation process for the Mangoal 4K Dash Cam.

All Packages Are Including The Following Power Adapter

Rain-Fall Sensor Plug Adapter



*Parking mode is not supported.

*We use the 3-pin plug on the inside instead

Figure 4: Detail of the Rain-Fall Sensor Plug Adapter connection.



Figure 5: Visual representation of the dash cam's OEM style integration.

OPERATING INSTRUCTIONS

The dash cam powers on automatically when the vehicle's ignition is turned on and begins recording. It powers off shortly after the ignition is turned off.

Mobile App Usage

The built-in Wi-Fi allows for convenient control and access via the dedicated mobile application (SkyCamm).

- 1. Download App:** Search for "SkyCamm" on the App Store (iOS) or Google Play Store (Android) and install it on your smartphone.
- 2. Connect to Wi-Fi:** Turn on your dash cam. On your phone, go to Wi-Fi settings and connect to the dash cam's Wi-Fi network. The network name and password can typically be found in the dash cam's manual or on the device itself.
- 3. Access Features:** Open the SkyCamm app. You can now view real-time video, browse recorded footage, download important clips to your phone, and adjust settings.

Easy Access with the Mobile App



Download on the
APP Store

Download on
Google play

Dedicated apps connect to WiFi for live viewing, live photo and video sharing



Figure 6: Easy access and control via the SkyCamm mobile application.

Loop Recording

The dash cam continuously records video in short segments (e.g., 1, 3, or 5 minutes). When the included 64GB MicroSD card reaches its storage limit, the system automatically overwrites the oldest unlocked footage with new recordings. This ensures that recording never stops due to a full memory card.

G-Sensor (Automatic Incident Detection)

The built-in G-Sensor detects sudden impacts or rapid deceleration/acceleration. In the event of a collision, the G-Sensor automatically triggers the dash cam to lock the current video segment, preventing it from being overwritten by loop recording. This ensures critical footage of an incident is preserved.

Parking Monitor (Optional)

For 24-hour parking protection, the dash cam can automatically switch to Parking Mode and begin recording upon detecting motion or impact while the vehicle is parked. This feature requires an optional dedicated power adapter (e.g., OBD Power Adapter ASIN: B0CVTKTGVY or Fuse Box Power Adapter ASIN: B0CXXXV4YG), which is not included in the standard package.

Parking Monitor

Auto switch to Parking Mode and start to record instantly providing 24H protection for your car.



* Parking monitor must have "OBD PowerAdapter" (asin:B0CVTKTGYY) or "Fuse Box Power Adapter"(asin:B0CXXXV4YG)

Figure 7: Parking Monitor feature for continuous vehicle surveillance.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Dash cam does not power on.	<ul style="list-style-type: none">• Ensure the vehicle's ignition is on.• Check if the power adapter is securely connected to both the dash cam and the vehicle's power source.• Verify the vehicle's power outlet is functioning.
Wi-Fi connection issues with the app.	<ul style="list-style-type: none">• Ensure the dash cam's Wi-Fi is enabled.• Temporarily disconnect other car-related wireless connections (e.g., Apple CarPlay, Android Auto) on your phone.• Restart both the dash cam and your smartphone.• Ensure you are within close proximity to the dash cam.

Problem	Possible Cause / Solution
Video footage is blurry or unclear.	<ul style="list-style-type: none"> • Clean the dash cam lens and your vehicle's windshield. • Ensure the protective film has been removed from the lens. • Check if the dash cam is securely mounted and not vibrating.
Memory card full / Recording stops.	<ul style="list-style-type: none"> • Ensure loop recording is enabled in the app settings. • Format the MicroSD card regularly (via the app or computer) to maintain optimal performance. • Check if too many G-Sensor triggered videos are locked, filling up the card. Manually delete unnecessary locked files.

SPECIFICATIONS

Attribute	Detail
Brand	mangoal
Model Number	MG-008X-1
Product Dimensions	2.95 x 3.15 x 3.15 inches
Item Weight	2.2 pounds
Video Capture Resolution	Front 4K 2160P
Connectivity Technology	Wi-Fi
Control Method	App
Mounting Type	Windshield Mount
Color	Black
Special Features	Built-In Microphone, Built-In Speaker, Built-In Supercapacitor, Built-In WiFi, OEM Style, Motion Sensing, Mute Function, Night Vision, Loop Recording, G-Sensor, Automatic Incident
Batteries	1 Lithium Metal battery required (included)
Vehicle Service Type	BMW 5 series Gen6 F07 F10 F11 F18 2014 2015 2016 Select 2017 M5 F10(Model B)

WARRANTY AND SUPPORT

Your Mangoal 4K Dash Cam comes with a worry-free 12-month warranty from the date of purchase. This warranty covers manufacturing defects and ensures reliable operation of your device.

For technical support, troubleshooting assistance, or warranty claims, please contact Mangoal customer service through the official channels provided at the point of purchase or on the manufacturer's website. Please have your model number (MG-008X-1) and purchase details ready when contacting support.

