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GKU D600Pro

GKU D600Pro Bundle with OBD User Manual

Model: D600Pro | Brand: GKU

1. INTRODUCTION

Thank you for choosing the GKU D600Pro Bundle with OBD. This advanced dash camera system provides comprehensive front and rear vehicle recording, equipped with 4K and 1080P resolution capabilities. Featuring built-in GPS for accurate location and speed tracking, and 5.8GHz WiFi for seamless connectivity with your mobile device, the D600Pro ensures reliable documentation of your journeys. The included OBD hardwire kit simplifies installation and enables advanced parking surveillance modes.

Key Features:

- **4K Front & 1080P Rear Recording:** Capture crystal-clear video evidence with wide viewing angles.
- **5.8GHz WiFi & App Control:** Faster data transfer, live preview, video download, and sharing via the GKU GO app.
- **Built-in GPS:** Records driving speed, route, and coordinates for detailed trip logging.
- **Two Parking Modes:** Collision Detection and Time-Lapse recording for 24/48/72H surveillance (requires hardwire kit).
- **Low Voltage Protection:** Prevents car battery drain by automatically cutting power when voltage is low.
- **G-Sensor & Loop Recording:** Automatically locks emergency videos and ensures continuous recording without manual deletion.
- **Super Night Vision:** Enhanced clarity in low-light conditions with F1.8 aperture and WDR technology.

2. SETUP AND INSTALLATION

2.1 Package Contents

Please verify that all components are present in your package:

- GKU D600Pro Dash Camera (Front Unit)

- Rear Camera
- OBD Hardwire Kit
- GPS Module (integrated)
- Power Cable (USB-C)
- 3M Adhesive Mount
- User Manual



Figure 2.1: Overview of the GKU D600Pro Dash Cam, OBD Hardwire Kit, and accompanying smartphone app interface.

2.2 Micro SD Card Installation

The GKU D600Pro supports Micro SD cards up to 256GB (a 64GB card may be included). Ensure the card is Class 10 or higher (U3 recommended) for optimal performance. Before first use, it is recommended to format the Micro SD card within the dash camera settings.

1. Locate the Micro SD card slot on the side of the dash camera.
2. Insert the Micro SD card with the gold contacts facing away from the screen until it clicks into place.
3. To remove, gently push the card in until it clicks, then release to eject.

2.3 Dash Cam Installation (Front Unit)

Choose a location on your windshield that does not obstruct your view and is close to the center of the windshield, ideally behind the rearview mirror.

1. Clean the chosen area on the windshield thoroughly.
2. Attach the 3M adhesive mount to the dash camera.
3. Remove the protective film from the 3M adhesive and firmly press the dash camera onto the windshield for at least 30 seconds.
4. Adjust the camera lens angle to ensure it captures the road ahead clearly.

2.4 Rear Camera Installation

The rear camera provides a 150-degree view of the vehicle's rear. It connects to the main dash cam unit via an AV-IN cable.

1. Mount the rear camera on the rear windshield, ensuring a clear view.
2. Route the AV-IN cable from the rear camera to the main dash cam unit, tucking it neatly along the vehicle's headliner and pillars.
3. Connect the AV-IN cable to the designated port on the main dash cam.

2.5 OBD Hardwire Kit Connection

The OBD hardwire kit provides continuous power for parking modes and protects against battery drain.

1. Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. Plug the OBD connector of the hardwire kit into the vehicle's OBD-II port.
3. Connect the USB-C end of the hardwire kit to the USB-C power input on the dash camera.
4. Route the cable neatly to avoid interference with driving controls.

Easy Installation



Figure 2.2: Visual guide for Micro SD card insertion, power connection options (Type-C or car charger), and mounting the front and rear cameras.

2.6 App & Wi-Fi Setup

The GKU GO app allows you to control your dash cam, view live footage, download videos, and track your route.

1. Download the "GKU GO" app from the Apple App Store (for iOS) or Google Play Store (for Android).
2. On the dash camera, enable Wi-Fi (refer to the camera's menu settings). The Wi-Fi SSID and password will be displayed on the camera screen.
3. On your smartphone, go to Wi-Fi settings and connect to the dash camera's Wi-Fi network (e.g., "GKU-

D600PRO_XXXX"). Enter the password displayed on the camera.

4. Open the GKU GO app. The app should automatically connect to the dash camera, allowing you to access its features.

Built-in 5GHz WiFi & GPS

Experience quicker previews, video editing, downloads, and easy social media sharing with the App.

5G Hz **4x Faster**
2.4 Hz

Download "GKU GO" APP from Apple Store & Google Play

Download on the App Store
GET IT ON Google Play

Track your route via App or DV Player on your PC

Available for both
Windows + Mac

Figure 2.3: Illustration of the 5GHz WiFi connectivity, app integration for live view and downloads, and GPS route tracking on both mobile and PC.

3. OPERATING INSTRUCTIONS

3.1 Basic Recording

Once powered on, the GKU D600Pro will automatically begin recording. The display will show the live view from the front and/or rear cameras, along with recording indicators.

- **Loop Recording:** The dash cam continuously records in short segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked files are overwritten.
- **Emergency Lock (G-Sensor):** In the event of a sudden impact or collision, the built-in G-sensor will automatically detect the event and lock the current video segment, preventing it from being overwritten by loop recording. These locked files are stored in a separate folder.

4K Single Front Camera

Single Front Recording: 4K/2.5K/1080P



Front 170°



Rear 150°

4K+1080P Dual Channel

Front+Rear Recording: 4K+1080P/2.5K+1080P/1080P+1080P



Figure 3.1: Depiction of the dash cam's 4K single front recording and 4K+1080P dual-channel recording capabilities with wide viewing angles.

3.2 Parking Monitoring Modes

With the OBD hardwire kit connected, the D600Pro offers two parking surveillance modes:

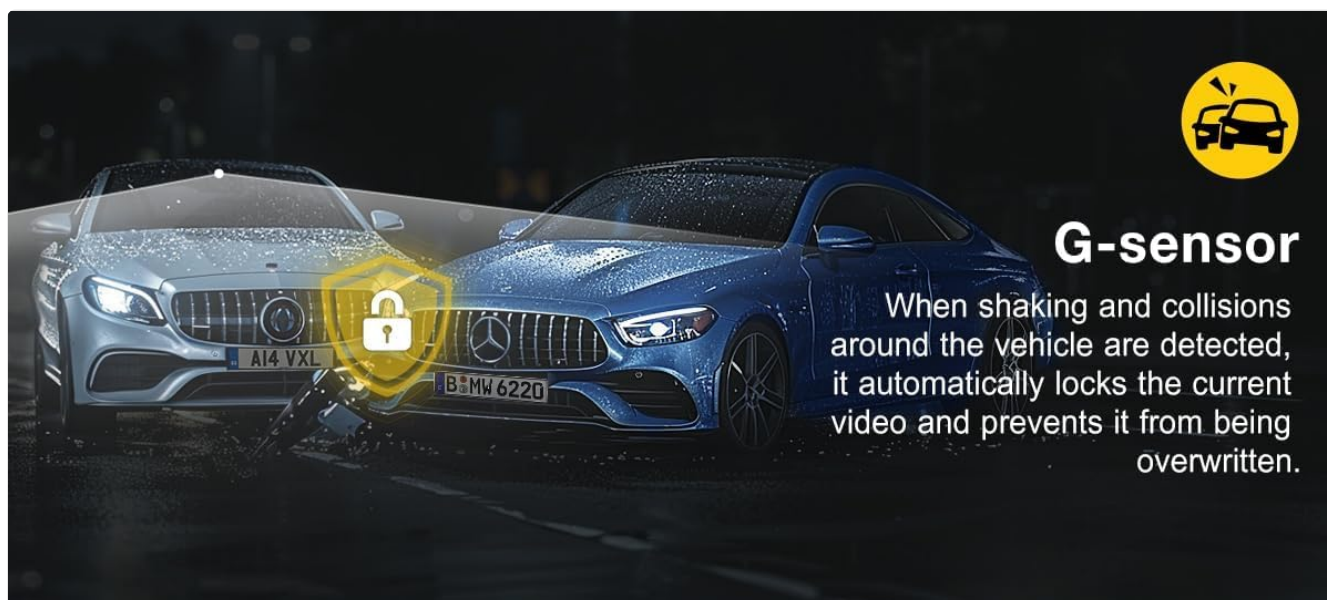
- **Collision Detection Mode:** When the vehicle is parked and the engine is off, if the G-sensor detects a collision or significant vibration, the dash cam will automatically power on and record a 30-second emergency video.
- **Time-Lapse Recording Mode:** This mode records continuously at a low frame rate (e.g., 1, 2, or 5 frames per second) while the vehicle is parked, conserving power and storage space. This provides a condensed overview

of events during parking.

3.3 GPS Functionality

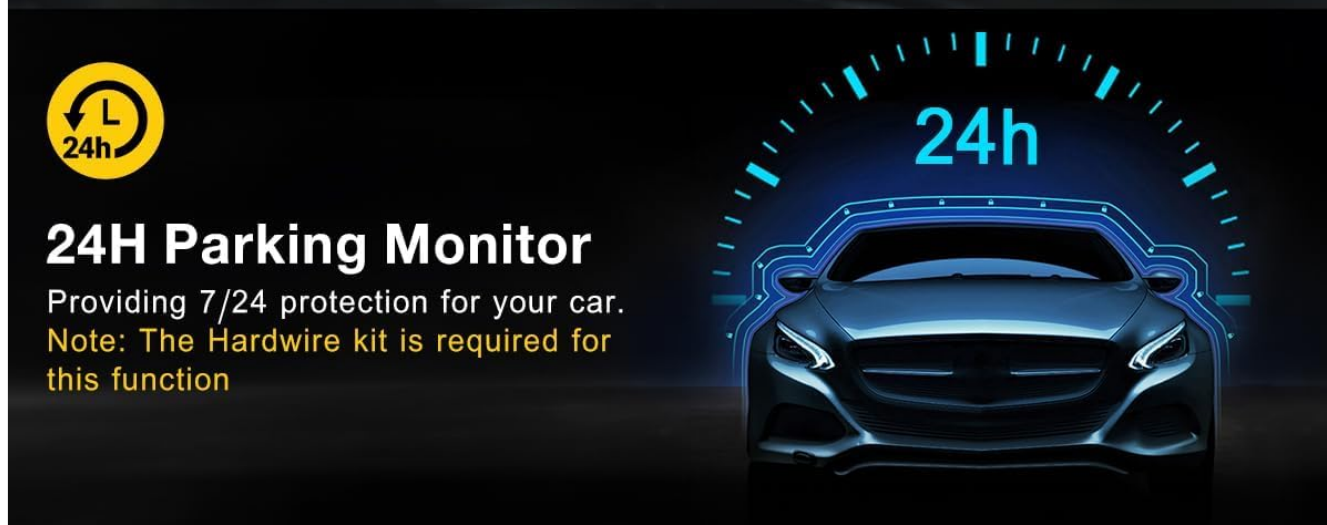
The built-in GPS module records precise driving data.

- **Route Tracking:** Your driving route can be viewed on Google Maps via the GKU GO app or with the dedicated GPSPlayer software on Windows and Mac.
- **Speed and Coordinates:** The recorded video files will embed information about your vehicle's speed, latitude, and longitude.

A promotional graphic for the G-sensor feature. It shows two cars, a silver Mercedes-AMG GT and a blue Mercedes-AMG GT, parked on a wet street at night. A yellow shield with a white padlock icon is positioned between the cars. In the top right corner, there is a yellow circular icon with a black car and a lightning bolt. The text 'G-sensor' is prominently displayed in white.

G-sensor

When shaking and collisions around the vehicle are detected, it automatically locks the current video and prevents it from being overwritten.

A promotional graphic for the 24H Parking Monitor feature. It features a yellow circular icon with a clock and '24h' in the top left. A blue car is shown from the front, surrounded by a glowing blue circular arc with tick marks. The text '24h' is written in large blue font above the car. The text '24H Parking Monitor' is in large white font, followed by 'Providing 7/24 protection for your car.' and a note in yellow.

24H Parking Monitor

Providing 7/24 protection for your car.

Note: The Hardwire kit is required for this function

A promotional graphic for the Loop Recording feature. It shows a collage of four images: a blue car from the rear, a car with a yellow hardwire kit, a car from the front, and a car from the side. A large black dashcam is shown in the foreground. In the top right corner, there is a yellow circular icon with a play button and a circular arrow. The text 'Loop Recording' is in large white font, followed by a description in white.

Loop Recording

Newly recorded videos will automatically overwrite old videos, and locked videos will not be affected.

3.4 Super Night Vision

The D600Pro is equipped with advanced night vision technology to ensure clear recordings even in challenging low-light conditions.

- **F1.8 Aperture:** Allows more light to reach the sensor, improving low-light performance.
- **WDR (Wide Dynamic Range):** Balances exposure in scenes with both very bright and very dark areas, ensuring details are visible.
- **6-Glass Lens:** High-quality optical components for superior image clarity.

Super Night Vision

Capture clear details even at night or in low-light



F1.8 Aperture



WDR



6 Glass Lens



Figure 3.3: Visual representation of the Super Night Vision capabilities, highlighting the F1.8 aperture, WDR, and 6-glass lens for clear capture in low light.

4. MAINTENANCE

4.1 SD Card Management

Regular maintenance of your Micro SD card is crucial for optimal performance and to prevent recording issues.

- **Formatting:** It is recommended to format the Micro SD card within the dash camera every 2-4 weeks to ensure stable recording and prevent data corruption. This can be done through the camera's menu settings.
- **Card Lifespan:** Micro SD cards have a limited number of write cycles. If you experience frequent recording errors or corrupted files, consider replacing the Micro SD card.

4.2 Cleaning the Device

Keep your dash camera clean to ensure clear video quality and proper operation.

- **Lens:** Gently wipe the camera lenses with a soft, lint-free cloth (e.g., microfiber cloth) to remove dust or smudges. Do not use abrasive cleaners.
- **Body:** Wipe the body of the dash cam with a slightly damp cloth. Avoid getting moisture into ports or openings.

5. TROUBLESHOOTING

5.1 Common Issues

- **Camera not powering on:** Check power connections. Ensure the OBD hardwire kit is properly connected and the vehicle's OBD-II port is functional.
- **Recording errors/corrupted files:** Format the Micro SD card. If issues persist, try a new, high-quality Micro SD card (Class 10, U3).
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on the dash cam. Restart both the dash cam and your smartphone. Try reconnecting to the Wi-Fi network.
- **GPS not tracking:** Ensure the dash cam has a clear view of the sky. GPS signal can be affected by tinted windows or underground parking.

5.2 Low Voltage Protection

The OBD hardwire kit includes integrated low voltage protection to safeguard your car battery.

- If the vehicle's battery voltage drops below 11.8V ($\pm 0.2V$), the hardwire kit will automatically disconnect power to the dash cam after 60 seconds. This prevents excessive battery drain and ensures enough power remains to start your engine.
- The system also includes protection against over-current, short-circuit, reverse connection, over-temperature, and high-voltage surges.
- **Note:** This device is not suitable for trucks exceeding 24V.

Low Voltage Protection

Auto shut down when input voltage drops to under 11.8V (+0.2) Leaving enough power to ignite engine



Figure 5.1: Diagram illustrating the low voltage protection mechanism and various circuit safeguards including short-circuit, over-current, over-voltage, over-temperature, high-voltage surge, and input reverse connection protection.

6. SPECIFICATIONS

Detailed technical specifications for the GKU D600Pro Bundle with OBD:

4K Mini Dual Dash Cam



4K+1080P



5G WiFi



GPS



Free
64G Card



Parking
Monitor



Loop
Recording



G-Sensor



Super
Capacitor



1.47"
Display



Voice
Broadcast

Figure 6.1: Overview of the GKU D600Pro mini dual dash cam, showing its compact dimensions and icons representing key features.

Feature	Specification
Model Name	D600Pro
Video Capture Resolution	Front: 4K (3840x2160P), Rear: 1080P (1920x1080P)

Connectivity Technology	Wi-Fi (5.8GHz)
Included Components	OBD Hardwire Kit
Mounting Type	Windshield Mount (3M adhesive)
Display Size	1.47 inches
Compatible Devices	Car, Truck, Smartphone, PC
Special Features	Built-in GPS, G-Sensor, Loop Recording, Parking Monitor, Super Capacitor, Voice Broadcast
Color	Black

7. WARRANTY AND SUPPORT

GKU is committed to providing excellent customer service and support for your D600Pro dash camera.

- **Service Plan:** Benefit from our 12-month service plan. This plan can be extended with official registration with GKU.
- **24H Tech Assistance:** For any issues or inquiries, please contact us through Amazon or the official GKU support channel. We aim to provide a satisfactory solution within 24 hours.

Enjoy peace of mind knowing your GKU D600Pro dash camera is backed by reliable support.