FitSpark DC-101 ProADAS

FitSpark DC-101 Pro ADAS Dual Channel Dash Camera User Manual

Model: DC-101 ProADAS

1. Product Overview

The FitSpark DC-101 Pro ADAS is a dual-channel dash camera designed to record driving footage and enhance road safety. It features a 2K front camera, Full HD rear camera, Novatek AI chipset, GPS, Wi-Fi connectivity, and Advanced Driver Assistance Systems (ADAS).



Image: Front and rear dash camera units with a smartphone displaying the companion app interface.

Package Contents:

- 1N Front camera
- 1N Rear camera
- 1N GPS bracket
- 2N 3M tape spare parts
- 1N Car charger
- 5N Cable clips
- 1N User manual

Component Identification:

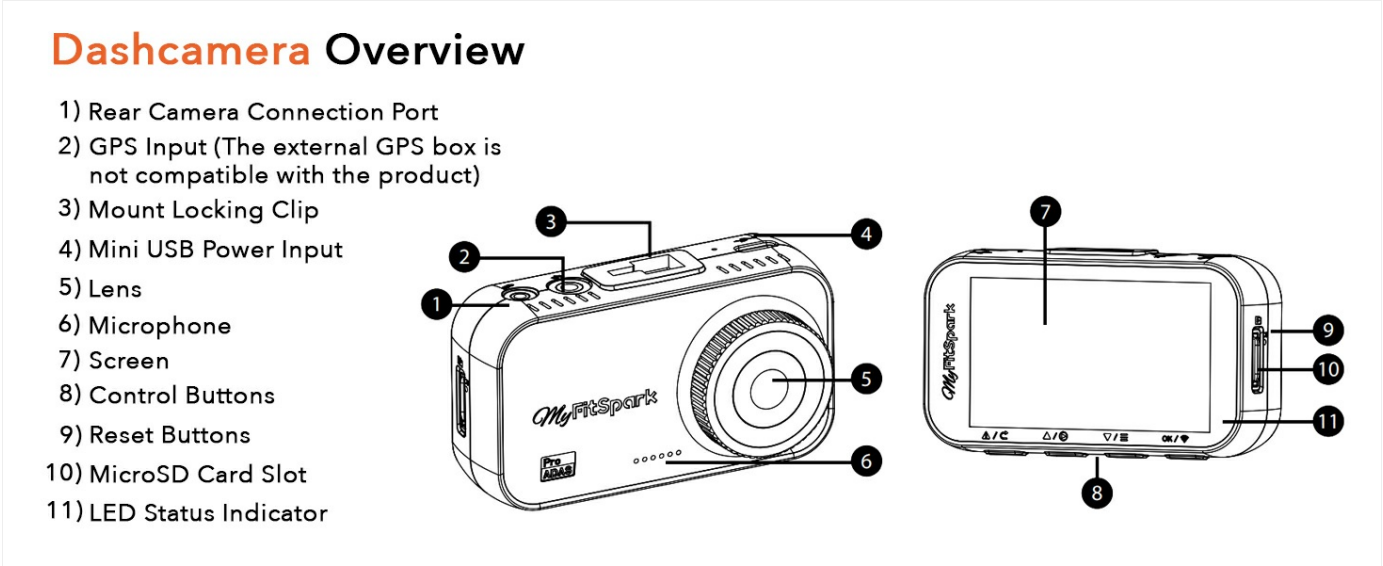


Image: Diagram illustrating the various components of the dash camera, including lens, screen, buttons, and ports.

1. Rear Camera Connection Port
2. GPS Input (Note: External GPS box is not compatible with this product)
3. Mount Locking Clip
4. Mini USB Power Input
5. Lens
6. Microphone
7. Screen (2.7" IPS Display)
8. Control Buttons
9. Reset Button
10. MicroSD Card Slot
11. LED Status Indicator

2. Setup and Installation

2.1 Memory Card Installation

Insert a compatible MicroSD card (U3, up to 256GB, from brands like LEXAR, KINGSTON, or Sandisk) into the MicroSD Card Slot (10) before powering on the device. Ensure the card is inserted correctly until it clicks into place.

2.2 Mounting the Camera

Attach the dash camera to your vehicle's windshield using the adhesive mount. Position it to ensure a clear view of the road. Adjust the camera angle and secure all cables neatly to avoid obstructing your view or interfering with driving. The best mounting location is typically behind the rearview mirror.

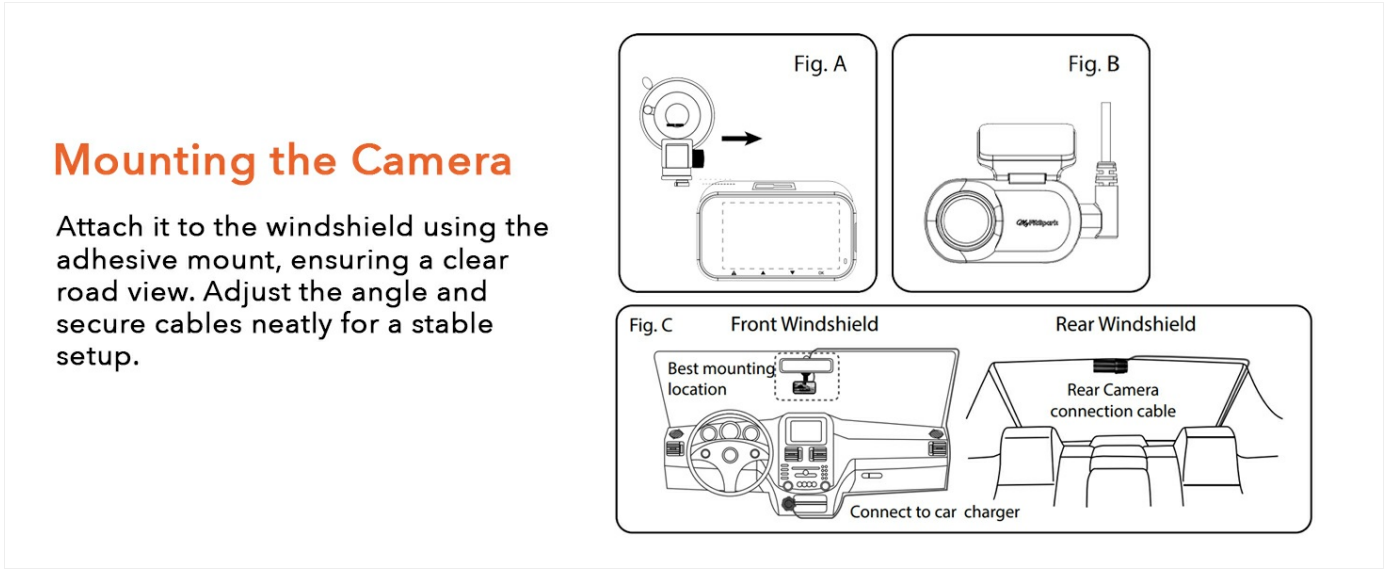


Image: Visual guide for mounting the dash camera on the front windshield and routing the rear camera cable.

2.3 Power Connection

Connect the car charger to the Mini USB Power Input (4) on the dash camera and plug the other end into your vehicle's 12V power outlet. The camera will automatically power on and begin recording when the vehicle engine starts.

2.4 Rear Camera Connection

Connect the rear camera cable to the Rear Camera Connection Port (1) on the main unit. Route the cable discreetly along the vehicle's interior to the rear windshield and mount the rear camera securely.

2.5 ADAS Calibration

For optimal performance of the Advanced Driver Assistance Systems (ADAS), calibration is required upon initial installation. If the camera is not moved after installation, re-calibration is generally not needed.

1. Enter the menu list and select 'ADAS Calibration'.
2. Adjust the camera's vertical position so the horizontal line on the screen aligns with the horizon.
3. Adjust the camera's horizontal position so the vertical line is centered with the front of your vehicle.
4. Confirm calibration and exit the menu.

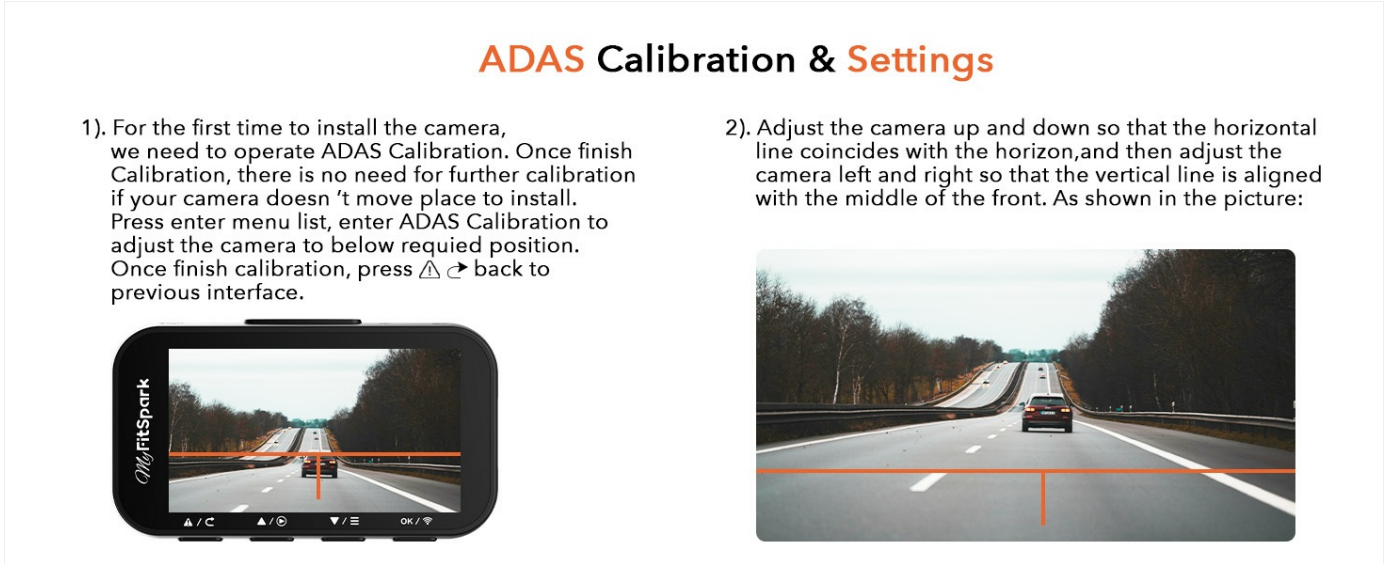


Image: Screenshots demonstrating the ADAS calibration process on the dash camera display.

3. Operating Instructions

3.1 Basic Recording

The dash camera automatically starts recording when connected to power and the vehicle engine is on. It utilizes loop recording, saving videos in 3-minute segments. When the memory card is full, the oldest unlocked files are overwritten.

3.2 G-Sensor & Emergency Accident Lock

The built-in G-Sensor detects sudden impacts or collisions. In such events, the current video segment is automatically locked and saved to prevent it from being overwritten by loop recording. G-Sensor sensitivity can be adjusted (High, Medium, Low) or disabled in the settings menu.



Image: An aerial view of a car collision, illustrating how the G-Sensor detects impacts.

3.3 Super Night Vision

Equipped with a Novatek AI chipset and high-end sensors, the camera provides enhanced night vision capabilities, allowing for clear video capture in low-light conditions.

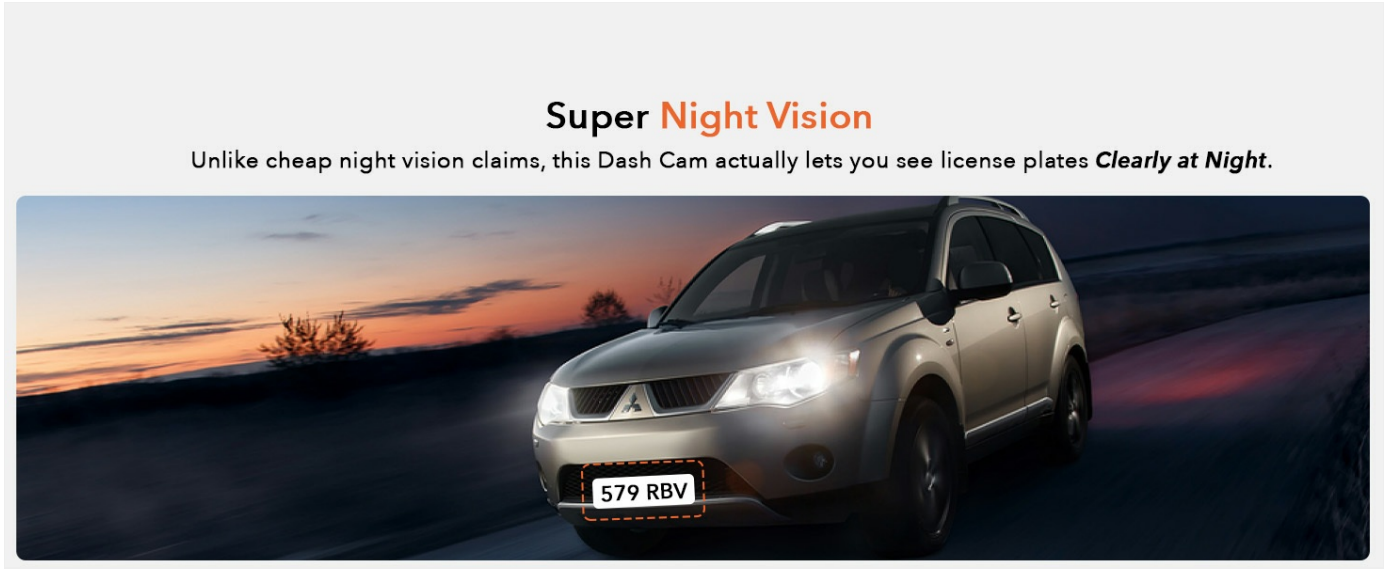


Image: A car driving on a road at night, demonstrating the clarity of license plates captured by the Super Night Vision feature.

3.4 Built-in GPS and Wi-Fi

The integrated GPS module records location and speed data, which can be viewed alongside video footage. Wi-Fi connectivity allows for wireless access to the camera via a smartphone app.



Image: A visual representation of GPS tracking on a road network and Wi-Fi signal for dash camera connectivity.

3.5 Mobile App Control

The 'Dashcamplayer' mobile app (available on Google Play and Apple App Store) allows you to connect to your FitSpark Dash Cam via Wi-Fi. Through the app, you can:

- Watch live streaming video.
- Replay recorded footage.
- Download videos to your phone.
- Adjust camera settings.

To connect:

1. Download and install the 'Dashcamplayer' app.
2. Ensure the dash camera is powered on.
3. Enable Wi-Fi on your smartphone.
4. Select the dash camera's SSID (e.g., DC-101-xxxxxx) from your phone's Wi-Fi network list.
5. Enter the default password: **12345678**.
6. Open the 'Dashcamplayer' app and select the DC-101 dash camera, then click 'Connect'.



Image: A smartphone screen showing the Dashcamplayer app, with options to watch, download, share, and adjust settings for the dash camera.

3.6 24H Parking Surveillance

For continuous 24-hour parking monitoring, a separate hardwire kit is required (sold separately). This kit provides constant power to the dash camera, enabling it to detect and record events when the vehicle is parked. It features low voltage cut-off options to prevent battery drain and automatically switches to parking mode via ACC detection.



Image: A scenario depicting a person near a parked car, highlighting the 24H Parking Monitor feature and the optional hardwire kit.

3.7 Advanced Driver Assistance Systems (ADAS)

The DC-101 Pro ADAS includes advanced features to assist drivers and enhance safety:

- **Lane Departure Warning (LDW):** Alerts you if the vehicle drifts out of its lane.



Image: An overhead view of a car drifting out of its lane, with a warning icon indicating Lane Departure Warning activation.

- **Forward Collision Warning (FCW):** Warns you if you are too close to the vehicle ahead.



Image: An overhead view of a car approaching another too closely, with a warning icon indicating Forward Collision Warning activation.

- **Pedestrian Detection:** Detects pedestrians in the vehicle's path and provides a warning.



Image: An overhead view of a car approaching a pedestrian, with a warning icon indicating Pedestrian Detection activation.

- **Stop and Go:** Notifies you when traffic ahead starts moving, preventing delays.



Image: Cars stopped at a traffic light, with an alert indicating the 'Stop and Go' feature is active.

4. Maintenance

4.1 Memory Card Care

Regularly format your MicroSD card (at least once a month) to ensure optimal performance and prevent data corruption. Always use high-quality U3 MicroSD cards from recommended brands (LEXAR, KINGSTON, Sandisk) to avoid recording issues.

4.2 Cleaning the Camera

Use a soft, dry cloth to clean the camera lens and screen. Avoid using abrasive cleaners or solvents that could damage the device.

4.3 Supercapacitor Technology

The DC-101 Pro ADAS uses a supercapacitor instead of a traditional battery, offering enhanced durability and reliability in extreme temperatures (both hot and cold). This design minimizes the risk of battery-related failures and extends the device's lifespan.



Image: Visual representation of the dash camera operating reliably in both cold and hot weather conditions, highlighting the supercapacitor benefit.

5. Troubleshooting

- **Camera not powering on:** Ensure the car charger is properly connected and the vehicle's 12V outlet is functioning. Check the car charger's fuse if necessary.
- **Recording issues:** Ensure a compatible MicroSD card is inserted and formatted. If issues persist, try a different recommended MicroSD card.
- **App connection lag:** Ensure your smartphone is close to the dash camera and there are no strong Wi-Fi interferences. Restarting both the camera and the phone may resolve temporary connection issues.
- **Poor video quality:** Ensure the camera lens is clean and free from obstructions. Check that the resolution settings are configured correctly in the camera menu or app.
- **ADAS warnings not functioning:** Verify that ADAS features are enabled in the settings and that the camera has been properly calibrated as described in Section 2.5.
- **G-Sensor not triggering:** Adjust the G-Sensor sensitivity setting to a higher level if minor impacts are not being

detected.

6. Specifications

Feature	Specification
Brand	FitSpark
Model Name	DC-101 Pro ADAS
Front Camera Resolution	Real 2K (1440p)
Rear Camera Resolution	1080p Full HD
Display Size	2.7 Inches IPS
Chipset	Novatek AI Chipset
Lens Type	Wide Angle (130° Front, 120° Rear)
Special Features	24H Parking Monitor (requires hardwire kit), Built-In Supercapacitor, G-Sensor, Motion Sensor, Loop Recording, Built-In GPS, Pro ADAS (Lane Departure Warning, Forward Collision Warning, Pedestrian Detection, Stop and Go)
Connectivity	Wi-Fi
Compatible Devices	Smartphone (iOS/Android App)
Flash Memory Type	SD (MicroSD, U3 up to 256GB recommended)
Mounting Type	Windshield Mount
Product Dimensions	3.2 x 8 x 4.5 cm
Item Weight	40 g

7. Warranty and Support

7.1 Warranty Information

Please refer to the warranty card included with your product for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

7.2 Customer Support

For any technical assistance, troubleshooting, or product-related inquiries, please contact FitSpark customer care:

- **Email:** support@myfitspark.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question