

ROAD ANGELTM

HALO SPARK & HALO SPARK DUAL



*only included with Halo Spark Dual

USER MANUAL



Need Help? +44 (0)330 320 3030

RoadAngelGroup.com

Welcome

Welcome to the Road Angel Family! Thank you for purchasing the Halo Spark/ Spark Dual 2025 Full HD Dash Cam. This manual will guide you through setup, operation, and maintenance of your new device. We're here to support your journey with advanced safety features and reliable high-quality recording—every mile of the way.

Model Variants

This user guide covers **both** the **Halo Spark** and **Halo Spark Dual** models. Both models share the same core features and functionality, including Full 1080p HD recording, Parking and Winter Modes, and app control. The **only difference** is that the **Spark Dual** includes a 1080p **rear-facing camera** in the box, enabling dual-channel recording for added coverage and peace of mind.

Introduction

Small in size but big on protection, the Halo Spark 2025 is your everyday dash cam—redesigned for modern drivers. With crisp 1080p Full HD recording, intelligent Parking and Winter Modes, and a distraction-free, screenless design, it's built for real British roads and real-life driving. Seamlessly controlled via our UK-developed smartphone app, the Spark delivers around-the-clock safety, clarity, and confidence behind the wheel.

Product Overview

The Halo Spark/Spark Dual 2025 is a compact, screen-free Full HD dash cam designed to keep you protected without distractions. Capturing clear 1080p footage through a 120° wide-angle lens, it ensures vital details like number plates and road signs are always visible. Key features include intelligent 2-tier Parking Mode, G-Sensor event detection, Winter Mode, and HD night vision for round-the-clock safety. Its discreet design blends seamlessly into your vehicle, while the UK-developed Halo app offers full control, instant footage access, and customisable settings. Built for UK roads, the Spark/Spark Dual is your reliable co-pilot in all conditions.

Download the “Halo Playback” Smartphone App

Please scan the QR code with a compatible smartphone camera
to go to the relevant location for download.

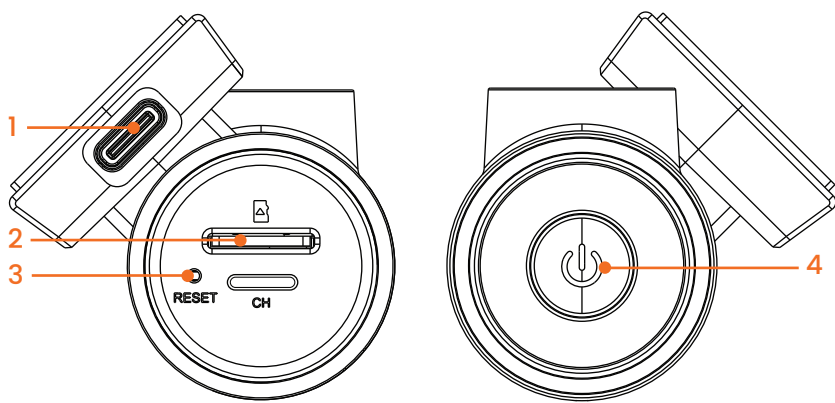


Registering your 3-year industry-leading warranty

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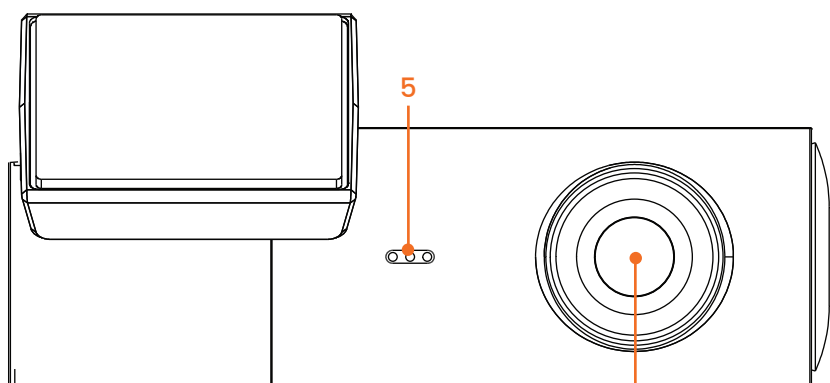


Product appearance

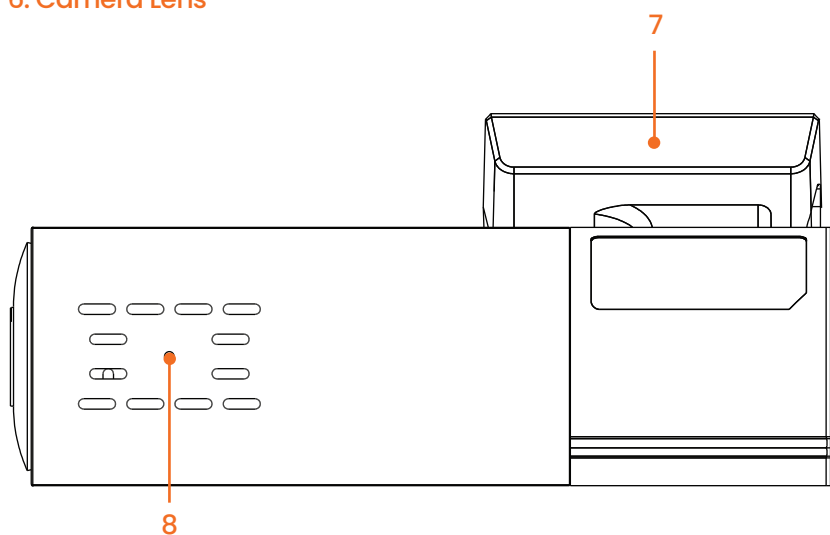


- 1. USB-C Power Port
- 2. SD Card Slot

- 3. Reset Button
- 4. Power Button & Indicator Light



- 5. Speaker
- 6. Camera Lens

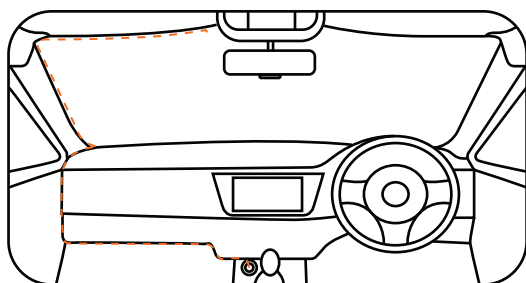


- 7. Mounting Bracket
- 8. Microphone

Product Installation ²

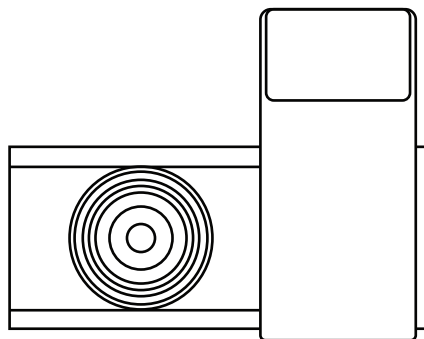
4. Wiring and Connecting the Power Supply

Following the diagram, carefully route the power cable along the top edge of the windshield, along the roof liner, gently tucking in the cable across and then down the A-pillar trim panel, and along the glove compartment on the passenger side. Plug the charging head into the cigarette lighter socket to power your dashcam.



4. Installing the Rear Camera – (Halo Spark Dual Only)

Positioning: please ensure you get the orientation of the camera correct, when looking into the vehicle from the rear windscreen, the camera lens should be on the left. Mount the rear camera on the rear windscreen or within the vehicle for an internal view, using the sticky pad. Ensure you use the Electrostatic sticker before mounting the rear camera.



Connection: Plug the rear camera cable into the designated port on the main dash camera unit and route the 7m cable across the top of the windscreen, down the A-pillar, across the car trims and back up toward the rear windscreen. You may also feed the front – rear cable through to the rear via the roof liner if you wish. Bear in mind DAB interference might occur. You may use an additional ferrite core to help prevent this.

Adjustment: The rear camera is adjustable for capturing a 120-degree wide-angle view of the rear surroundings.

Final Adjustments to front and or rear Camera Lens Angle: Power on the dash camera and use the display screen or Halo Playback smartphone app to adjust the angle for optimal field of view coverage.

Key Features – Halo Spark 2025

- **1080p Full HD Recording:** Crystal-clear footage that captures every crucial detail, day or night.
- **120° Wide-Angle Lens:** Covers three lanes of traffic with zero distortion—perfect peripheral vision without losing sharpness.
- **Screen-Free Design:** No bulky, distracting screens—pure stealth mode to keep your focus on the road.
- **True 2-Tier Parking Mode:** 24/7 vehicle surveillance with time-lapse recording or motion-triggered standby (hardwire kit required for full function).
- **G-Sensor Event Detection:** Automatically records and saves incidents if your car gets bumped or tampered with, so you're always covered.
- **Winter Mode with Lens Heating:** Stops fog, ice, or condensation from messing with your footage—even in the coldest UK winters.
- **HD Night Vision:** Pulls in more light for crisp, bright videos in low-light and nighttime conditions.
- **Auto Image Stabilisation:** Keeps your footage smooth and watchable, even on bumpy roads or uneven surfaces.
- **Halo Playback Smartphone App:** Wireless Wi-Fi connection lets you preview, download, trim, and share videos instantly with an intuitive UK-designed app.
- **Battery Voltage Monitoring:** Protects your car battery with smart cut-off tech to avoid unexpected drains (requires hardwiring kit).
- **Supports High-Endurance SD Cards (up to 256GB):** Reliable, fast, and built for continuous recording without glitches.
- **UK-Based Warranty & Support:** 3-year manufacturer warranty, live support, and a Nottingham repair centre for total peace of mind.

Video Recording Overview¹

1. File Storage Overview

Video Type	Folder Name	File Naming Convention	File Type
Regular Videos	Video	NOYYYYMMDD-HHMMSS-XXXXXX.mp4	.mp4
Emergency Videos	Event	EVYYYYMMDD-HHMMSS-XXXXXX.mp4	.mp4
Parking Surveillance Video	Video	PAYYYYYMMDD-HHMMSS-XXXXXX.mp4	.mp4
Snapshot Photos	Pictures	PHYYYYYMMDD-HHMMSS-XXXXXX.jpg	.jpg

2. Continuous Video Recording

- The dashcam automatically starts recording when powered on when compatible memory is installed.
- Indicator Light: Green (default with Wi-Fi enabled).
- Default Recording Duration: 1 minute (modifiable in settings).

The dashcam will not record (Indicator - Red) in the following cases:

Final Adjustments to front and or rear Camera Lens Angle:

- The Memory card error
- Formatting the memory card
- Resetting to factory settings
- Playback mode (viewing via the app)
- While receiving an update

Once the device exits these modes, it will automatically resume recording.

3. Emergency Video recording

- **Indicator Light:** Green
- **Recording Duration:** 30 seconds added to the current video segment when triggered

Note: Due to varying driving conditions, emergency events may not always be saved to the "Emergency" folder. If not found there, check the regular video folder.

Emergency recording will stop if any of the following occur:

- Long press of the power button (dashcam saves video before shutting down)
- External power is disconnected (immediate shutdown)
- Shutdown due to high temperature (video is saved before shutdown)
- ACC is turned off (immediate shutdown)
- Memory card is removed (immediate shutdown without saving)

Initial Setup

Powering On

- Ensure that there is a correct power source plugged into the Dashcam. Press the **power button** or turn on your vehicle's power feed to activate the dash cam.

Wi-Fi Setup & Halo App Connection

- Connect your smartphone to the dash cam's Wi-Fi hotspot.
- Open the Halo Playback app to manage settings, footage, and more.
- Default Wi-Fi password: 1234567890

First-Time Configuration

- Language Selection: Navigate to settings and choose your preferred language.
- Date & Time: Set the correct date and time for accurate timestamping on recordings.
- Password Management: For security, change your default Wi-Fi password to a unique one after connecting.

PSTI Compliance Update

In line with the UK Product Security and Telecommunications Infrastructure (PSTI) Regulation, all dash cams must now use unique, secure passwords by law. We've updated the Halo App to comply with this important regulation.

Resetting & Updating Your Password

If you need to reset your device and set a new password:

1. Press the power button five times quickly to restore the dash cam to factory settings.
2. Reconnect using the default password: 1234567890
3. You'll be prompted to set a new password.

Password Requirements:

- 8–12 characters
- Letters and numbers only
- Only the first letter capitalised (e.g., Password123)
- No special characters (e.g., @, #, etc.)

After updating your password, the Wi-Fi may temporarily disconnect. Reconnect to the Halo Wi-Fi using your new password.

Important: Don't lose your new password — this is essential for accessing your dash cam securely via the Halo Playback App.

Firmware Updates

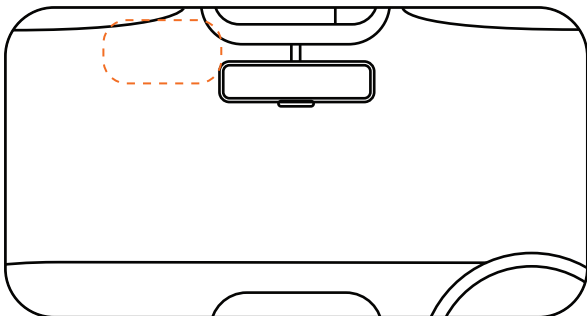
- Check for firmware updates via the Halo Playback App to ensure your Halo dash cam has the latest features, security patches, and optimal performance.

Product Installation ¹

1. Installing the Static Film (Electrostatic sticker)

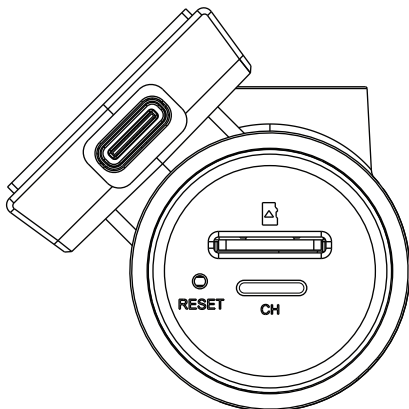
Place the static film within the dashed-line area on your windshield as shown in the diagram, avoiding glass edges. Choose a smooth, clean spot for the best adhesion.

Before applying, make sure the glass is thoroughly cleaned to prevent dust or residue. While installing, gently press out any air bubbles to ensure a smooth, secure fit.



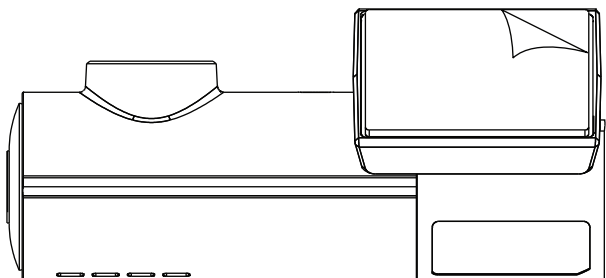
2. Insert the Memory Card

Gently insert the memory card into the slot with the contacts facing down. Push it in firmly until you hear a satisfying click—this means it's securely locked in place and ready to go.



3. Attach the Dashcam

Peel off the protective film from the pre-attached adhesive pad on the dashcam bracket's mount. Then, firmly press the dashcam onto the dashed box area on the static film to secure it in place.



Package Contents

Halo Spark:

- Dashcam Unit x1
- Trim Tool x1
- USB Power Adapter
- Sticky Pads
- Quick – Remover Film Sticker (Electrostatic Film)
- Quick Start Guide

Halo Spark Dual:

- Dashcam Unit x1
- Trim Tool x1
- USB Power Adapter
- Sticky Pads
- Quick – Remover Film Sticker (Electrostatic Film)
- Quick Start Guide
- 7m Front to Rear Camera Cable x 1
- 1080p Internal-Mounted Halo RC100 Rear Camera x 1

Button Functions

Dash Cam Status	Button Action	Function
Power Off	Short press the power button (1 Second)	Turn on the Dashcam
	Long press the power button (3 Seconds)	Turn off the Dashcam
	Press the power button once	Turn Wi-Fi on/off
Power On	Press the power button 3 times quickly	Format the Micro SD Card
	Press the power button 5 times quickly	Restore to Factory Settings
	Long-press the power button (10 seconds)	Reset and restart the device

Video Recording Overview²

4. Parking Surveillance

- When enabled using a compatible hardwire kit, the dashcam will automatically record a **1-minute** video upon detecting a collision while parked.
- The footage is saved in the "**Parking**" album.

Warranty and Support

Warranty Period: 3 years from the date of purchase, covering full EU/UK warranty and repair services. Postage and other charges, such as Duties and taxes, are not included outside the UK.

Customer Support: For assistance, visit our website, contact our dedicated support team via phone or email, or explore our comprehensive online resources such as Live chat and our support centre.

Safety Information

- **Installation Precautions:** Ensure the camera does not obstruct your view or interfere with vehicle operations, such as airbags.
- **Operating Temperature:** Use the device within the specified temperature range (-20°C to 65°C). Avoid exposing the dashcam to extreme temperatures.
- **Handling and Storage:** Avoid exposing the camera to strong magnetic fields or harsh environments.
- **Read all instructions before using the dashcam.**
- **Do not disassemble the device. This will void all warranties.**
- **Use only the provided charger and official accessories.**

FAQs

- **Q1. Why are my videos blurry?**

Make sure the lens is clean. If it's still blurry, contact support to have the lens refocused or replaced.

- **Q2. Is it normal for the device to get hot?**

Yes — it can get warm in direct sunlight, but this won't affect performance.

- **Q3. Do I need a hardwire kit for Parking Mode?**

Yes, to use 2-tier Parking Mode, you'll need the RA7300C hardwire kit and the adapter. Or the new HWK5VC-OBD kit, both kits also protect your battery from drainage. *if your battery is not in full health, adding a dashcam to your car's circuitry can result in reduced vehicle battery power.

- **Q4. How do I view my footage?**

For the fastest access, remove the microSD card and view the files on a computer, or using the Halo Playback Android or IOS smartphone App.

- **Q5. Do I need to keep my smartphone connected?**

No — only when you want to download/view footage or adjust settings.

- **Q6. How do I restore factory settings?**

Either use the Halo Playback App or press the power button five times sequentially.