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› Magellan MiVue SmartBox IV Hardwire Kit Instruction Manual

Magellan MiVue SmartBox IV

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PRODUCT OVERVIEW

The Magellan MiVue SmartBox IV Hardwire Kit is designed to provide continuous power to compatible Magellan MiVue DR Series dash cameras, enabling 24/7 parking surveillance. It features built-in low voltage protection to prevent vehicle battery drain and connects directly to the car battery for a stable power source, ensuring a clean and secure installation without visible cables.

PACKAGE CONTENTS

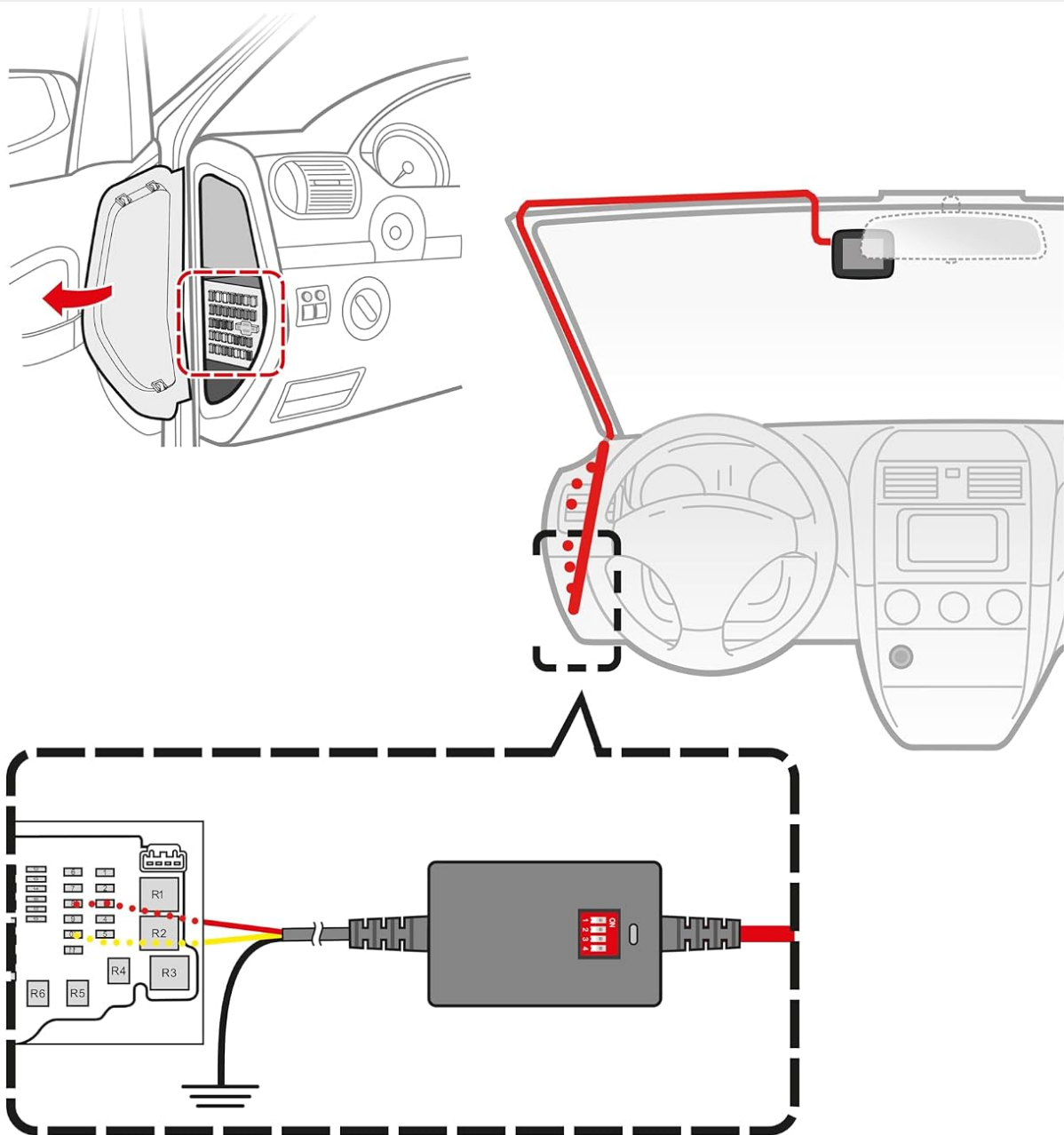
- Magellan MiVue SmartBox IV unit
- Mini-USB connector cable
- Fuse cable with ACC (red), B+ (yellow), and GND (black) wires



An image showing the Magellan MiVue SmartBox IV unit with its components labeled: LED Indicator, Setting switches, Mini-USB connector, and the Fuse Cable with red (ACC), yellow (B+), and black (GND) wires.

INSTALLATION GUIDE

Before beginning installation, ensure the vehicle is turned off and the ignition key is removed. Locate your vehicle's fuse box, typically found under the dashboard, in the glove compartment, or under the hood.



Connecting SmartBox IV

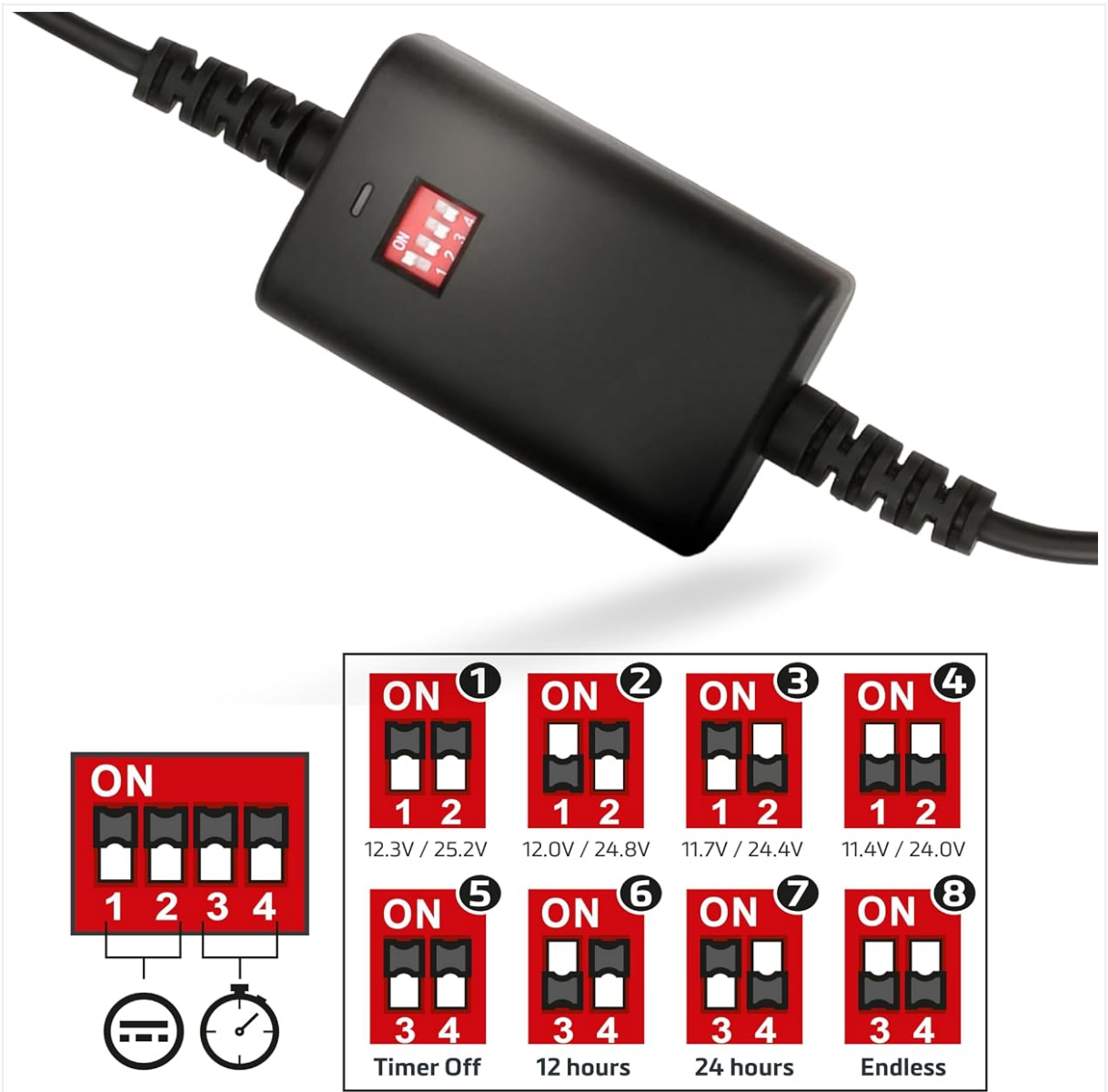
Locate and open the fuse box inside the vehicle.

A diagram illustrating the connection of the SmartBox IV to a vehicle's fuse box, showing the routing of the cable from the dash camera to the fuse box area.

1. **Identify Fuse Box:** Locate and open the fuse box inside your vehicle.
2. **Connect ACC Wire (Red):** Connect the red ACC wire to a fuse that provides power only when the ignition is on (e.g., radio, cigarette lighter).
3. **Connect B+ Wire (Yellow):** Connect the yellow B+ wire to a fuse that provides constant power even when the ignition is off (e.g., hazard lights, interior lights).
4. **Connect GND Wire (Black):** Securely attach the black GND wire to a metal part of the vehicle chassis, ensuring a good ground connection.
5. **Route Cables:** Carefully route the Mini-USB connector cable from the SmartBox IV to your dash camera, ensuring it does not interfere with driving controls or airbags.
6. **Connect to Dash Cam:** Plug the Mini-USB connector into the power input port of your Magellan

OPERATION: VOLTAGE AND TIMER SETTINGS

The SmartBox IV features four dip switches to configure the low voltage cut-off and parking surveillance timer. Switches 1 and 2 control the voltage protection level, while switches 3 and 4 control the parking mode duration.



Voltage & timer settings

The two switches on the left (No. 1 & No. 2) are used to set the shut-off voltage, while the two switches on the right (No. 3 & No. 4) are used to set a timer for cutting off power.

A detailed diagram showing the eight possible configurations of the four dip switches on the SmartBox IV, indicating corresponding voltage cut-off levels and timer settings.

Dip Switch Settings

Switches	Setting	Description
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Switches	Setting	Description
1 & 2 (Voltage)	ON-ON	12.3V / 25.2V Cut-off
1 & 2 (Voltage)	OFF-ON	12.0V / 24.8V Cut-off
1 & 2 (Voltage)	ON-OFF	11.7V / 24.4V Cut-off
1 & 2 (Voltage)	OFF-OFF	11.4V / 24.0V Cut-off
3 & 4 (Timer)	ON-ON	Timer Off
3 & 4 (Timer)	OFF-ON	12 Hours Parking Mode
3 & 4 (Timer)	ON-OFF	24 Hours Parking Mode
3 & 4 (Timer)	OFF-OFF	Endless Parking Mode

MAINTENANCE

Regularly check all cable connections to ensure they are secure. Keep the SmartBox IV unit and its connections dry and free from dust or debris. Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

TROUBLESHOOTING

- **Dash Cam Not Powering On:** Check all fuse connections (ACC, B+, GND) for proper contact. Ensure the Mini-USB cable is securely connected to both the SmartBox IV and the dash camera. Verify vehicle battery voltage is above the set cut-off level.
- **Parking Mode Not Activating:** Confirm that the timer settings on the SmartBox IV are configured correctly (not set to 'Timer Off' if parking mode is desired). Ensure the dash camera itself supports parking surveillance and its settings are enabled.
- **Vehicle Battery Drains:** If the vehicle battery drains prematurely, adjust the voltage cut-off settings to a higher value. Ensure the B+ wire is connected to a constant power source and the ACC wire to an ignition-switched source.

SPECIFICATIONS

Feature	Detail
Brand	Magellan
Model Name	Magellan MiVue Smartbox IV
Vehicle Service Type	Car
Connectivity Technology	USB
Special Feature	Parking Monitor, Low Voltage Protection
Included Components	Hardwire Kit
Mounting Type	Fuse Box Mount

Feature	Detail
Color	Black
Product Dimensions	2.73"D x 0.98"W x 1.67"H
Compatible Devices	Car, Truck

WARRANTY INFORMATION

The Magellan MiVue SmartBox IV Hardwire Kit comes with a 1-Year Manufacturer Warranty. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance or support, please contact Magellan Customer Support. Support is available Monday to Friday, 8 AM - 5 PM (PST). You can reach us via email at DVRsupport@magellangps.com or by phone at [888-646-0096](tel:888-646-0096).