

Jansite Z019

Jansite Dash Cam Hardwire Kit (Model Z019) Instruction Manual

Model: Z019

1. OVERVIEW

The Jansite Type-C Hardwire Kit (Model Z019) is designed to provide a continuous power supply to your Jansite mirror dash camera, enabling advanced features such as 24-hour parking monitoring and timelapse recording. This customized kit converts 12V-24V vehicle power to a stable 5V 2.5A output, ensuring reliable operation of your dash cam.

Key features include:

- **24-Hour Parking Monitor:** Provides continuous power to your dash cam even when the vehicle is turned off, allowing for constant surveillance.
- **Low Voltage Protection:** Automatically cuts off power to prevent your vehicle's battery from draining below a safe level.
- **Timelapse Recording:** Enables efficient storage usage by recording video at a lower frame rate during parking mode.
- **Type-C Connector:** Offers a stable and reversible connection for enhanced convenience and durability.

2. SETUP AND INSTALLATION

Proper installation of the hardwire kit is crucial for optimal performance and to prevent vehicle battery issues. If you are unsure about any steps, it is recommended to seek professional installation.

2.1 Identifying Components

The Jansite Hardwire Kit consists of a main power module with three wires (Red, Yellow, Black) and a Type-C output cable for connecting to your dash cam.



Figure 1: The Type-C connector offers precise construction, stable charging, and can be inserted in any orientation, unlike older Mini-USB connectors.

2.2 Wiring Connections

The hardwire kit requires connection to your vehicle's fuse box. Ensure the vehicle is turned off and the ignition key is removed before proceeding.



Figure 2: Wiring diagram for the 24-hour parking monitor function, showing connections to ACC, B+, and Ground.

1. **Red Wire (ACC):** Connect this wire to a fuse in your vehicle's fuse box that is only live when the ignition is on (Accessory power). This allows the dash cam to switch between driving and parking modes.
2. **Yellow Wire (B+):** Connect this wire to a fuse in your vehicle's fuse box that is always live, even when the ignition is off (Constant power). This provides continuous power for the 24-hour parking monitor.
3. **Black Wire (GND):** Securely connect this wire to a metal part of the vehicle's chassis, ensuring a good ground connection.
4. **Connect to Dash Cam:** Plug the Type-C connector from the hardwire kit into the corresponding port on your Jansite mirror dash cam.

Important Note: Some vehicles may retain power to certain circuits for a few minutes after the ignition is turned off. The parking monitor function will only activate once all power to the ACC circuit is completely cut off. This is normal vehicle behavior and not an issue with the hardwire kit.

3. OPERATION

3.1 24-Hour Parking Monitor

Once correctly installed, the hardwire kit enables your dash cam to operate continuously, providing surveillance around the clock. When the vehicle's ignition is off, the dash cam will automatically switch to parking mode, utilizing the constant power supply from the B+ connection.

3.2 Low Voltage Protection

The hardwire kit is equipped with a low voltage protection feature to safeguard your vehicle's battery. If the vehicle's battery voltage drops below a preset threshold (e.g., $11.3V \pm 0.2V$ for 12V systems or $23.3V \pm 0.2V$ for 24V systems), the kit will automatically cut off power to the dash cam. This prevents excessive battery discharge and ensures your vehicle can start.



Figure 3: The hardwire kit automatically cuts off power to protect the vehicle battery from low voltage.

3.3 Timelapse Recording

In parking mode, the hardwire kit facilitates timelapse recording (if supported by your dash cam). This feature records video at a reduced frame rate, compressing hours of footage into minutes. This significantly saves space on your micro SD card while still providing comprehensive parking surveillance.

4. MAINTENANCE

To ensure the longevity and reliable performance of your Jansite Hardwire Kit, consider the following

maintenance tips:

- **Check Connections:** Periodically inspect all wiring connections (ACC, B+, GND, and Type-C) to ensure they remain secure and free from corrosion.
- **Cable Routing:** Ensure cables are neatly routed and secured to prevent them from interfering with vehicle operation or becoming damaged.
- **Environmental Factors:** Avoid exposing the hardwire kit to extreme temperatures or excessive moisture, which can affect its performance and lifespan.

5. TROUBLESHOOTING

If you encounter issues with your Jansite Hardwire Kit, refer to the following common problems and solutions:

- **Dash Cam Not Powering On:**
 - Verify all three wires (Red, Yellow, Black) are correctly and securely connected.
 - Check the fuse connections in the vehicle's fuse box. Ensure the fuses are not blown.
 - Confirm the Type-C connector is fully inserted into the dash cam.
- **Parking Monitor Not Activating:**
 - Ensure the Red (ACC) wire is connected to a fuse that completely loses power when the ignition is off.
 - Confirm the Yellow (B+) wire is connected to a constant power source.
 - Be aware that some vehicles maintain power to certain circuits for a short period after ignition off. The parking mode will activate only after this power fully dissipates.
- **Vehicle Battery Drains:**
 - The hardwire kit includes low voltage protection. If your battery still drains, ensure the protection is functioning correctly.
 - Check your vehicle's battery health. An old or weak battery may drain faster even with protection.

6. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Jansite
Model Number	Z019
Input Voltage	DC 12V-24V
Output Voltage	DC 5V
Output Current	2.5A
Connector Type	Type-C USB
Special Features	24H Parking Monitor, Low Voltage Protection, Timelapse Support
Compatible Vehicle Type	Car, Truck
Color	Black

7. WARRANTY AND SUPPORT

For warranty information, technical assistance, or any questions regarding your Jansite Hardwire Kit, please contact Jansite customer support through the retailer where the product was purchased or visit the official Jansite website. Please have your model number (Z019) and purchase details ready when contacting support.