

VANTRUE J3

VANTRUE USB Hardwire Kit for Dash Cams (M2/N2 Series)

24-Hour Parking Surveillance, 12V/24V to 5V Output

INTRODUCTION

This manual provides instructions for the installation and use of the VANTRUE USB Hardwire Kit. This kit is designed to provide a continuous power supply to your compatible dash cam or other devices, enabling features such as 24-hour parking surveillance and protecting your vehicle's battery from excessive discharge.

PRODUCT FEATURES

- **24-Hour Parking Surveillance:** Connects to constant power, allowing your dash cam to receive power and record for 24 hours even when the engine is off. This enables continuous parking surveillance.
- **ACC Power Connection:** ACC (Accessory) power supplies electricity when the key is in the ACC ON position and cuts power when the engine is off.
- **Low Voltage Protection:** Features automatic power-off when the voltage drops below 11.6V (for 12V systems) or 23.2V (for 24V systems) to prevent vehicle battery drain.
- **12V/24V Compatibility:** Converts input voltage of 12-24V to an output of DC 5V, 1.5A. Compatible with both 12V and 24V vehicle electrical systems.
- **High Compatibility:** Compatible with VANTRUE M2/N2/N3/N2 Pro/X1/X1 Pro/X3 dash cams, radar detectors, mirror dash cams, GPS devices, and other products with a Mini USB port.

SPECIFICATIONS

Brand	VANTRUE
-------	---------

Model	J3
Compatible Dash Cams	VANTRUE M2, N2, N2 Pro, N3, X1, X1 Pro, X3 (and other Mini USB devices)
Input Voltage	DC 12V / 24V
Output Voltage	DC 5V
Output Current	1.5A
Cable Length	3 meters
Connector Type	Mini USB
Features	Low Voltage Protection, 24-Hour Parking Surveillance Support
Included	Four Fuse Holders
UPC	720355777951
ASIN	B07GVK3LT3

INSTALLATION GUIDE

Follow these steps for proper installation of the hardwire kit:

1. **Identify Fuse Box Location:** Consult your vehicle's owner's manual to locate the fuse box.
2. **Select a Suitable Fuse Slot:** Choose a fuse slot that provides either constant power (for 24-hour parking surveillance) or ACC power (for power only when the engine is on).
3. **Connect the Fuse Holder:** Insert the appropriate fuse into one of the included fuse holders. Connect the red wire of the hardwire kit to the fuse holder.
4. **Connect to Ground:** Locate a metal bolt near the fuse box for a ground connection. Loosen the bolt, attach the black wire (ground wire) of the hardwire kit, and tighten the bolt securely.
5. **Route the Cable:** Carefully route the Mini USB cable from the fuse box to your dash cam's mounting location, ensuring it does not interfere with vehicle operation or safety features.
6. **Connect to Dash Cam:** Plug the Mini USB connector into your dash cam's power port.



Image: Overview of the hardwire kit installation process within a vehicle.

低電圧保護

The image features a red sports car with glowing blue and orange digital lines and binary code (0s and 1s) overlaid on it. In the bottom left corner, there is a green battery icon with a black top and bottom.

低電圧時に、電圧**11.6V/23.2V**未満の時、
低電圧保護があるため、
自動にパワーオフになります。

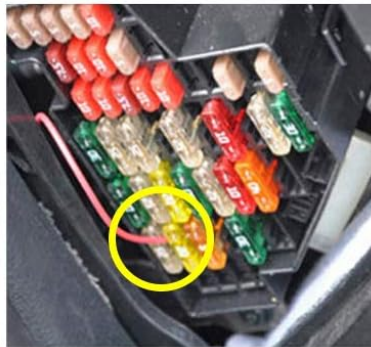
Image: Detailed wiring diagram for connecting the hardwire kit to the vehicle's power source and a dash cam.

取り付け



Step 1:

車メーカー配布の取扱説明書にヒューズボックスの設置場所が掲載されていますので、事前にご確認ください。そして、適用なヒューズスロットを見つけてます



Step 2:

適用なヒューズスロットを選択したら、取出したヒューズがヒューズホルダーに取り付けて、正確な向きでヒューズボックスにヒューズホルダーを差し込んでください



Step 3:

ヒューズBOX近くの鉄箇所にあるアースポイントがあります。アースポイントを見つけて、ボルトを取り外しアース線を設置します

Image: Step-by-step visual guide on connecting the fuse holder to the power cable.

OPERATING INSTRUCTIONS

Once installed, the hardwire kit will automatically provide power to your connected device based on your wiring choice:

- **Constant Power Connection (for Parking Surveillance):** If connected to a constant power source, the dash cam will receive continuous power, enabling 24-hour parking surveillance features (if supported by the dash cam).
- **ACC Power Connection:** If connected to an ACC power source, the dash cam will power on when the vehicle's ignition is in the ACC ON position and power off when the engine is turned off.

LOW VOLTAGE PROTECTION

The hardwire kit includes an integrated low voltage protection feature to safeguard your vehicle's battery. If the vehicle battery voltage drops below a preset threshold (11.6V for 12V systems or 23.2V for 24V systems), the kit will automatically cut power to the connected device. This prevents complete battery discharge and ensures your vehicle can start.

適度なヒューズスロットを選択したら、
ヒューズホルダーと電源ケーブル
の赤線とご接続ください

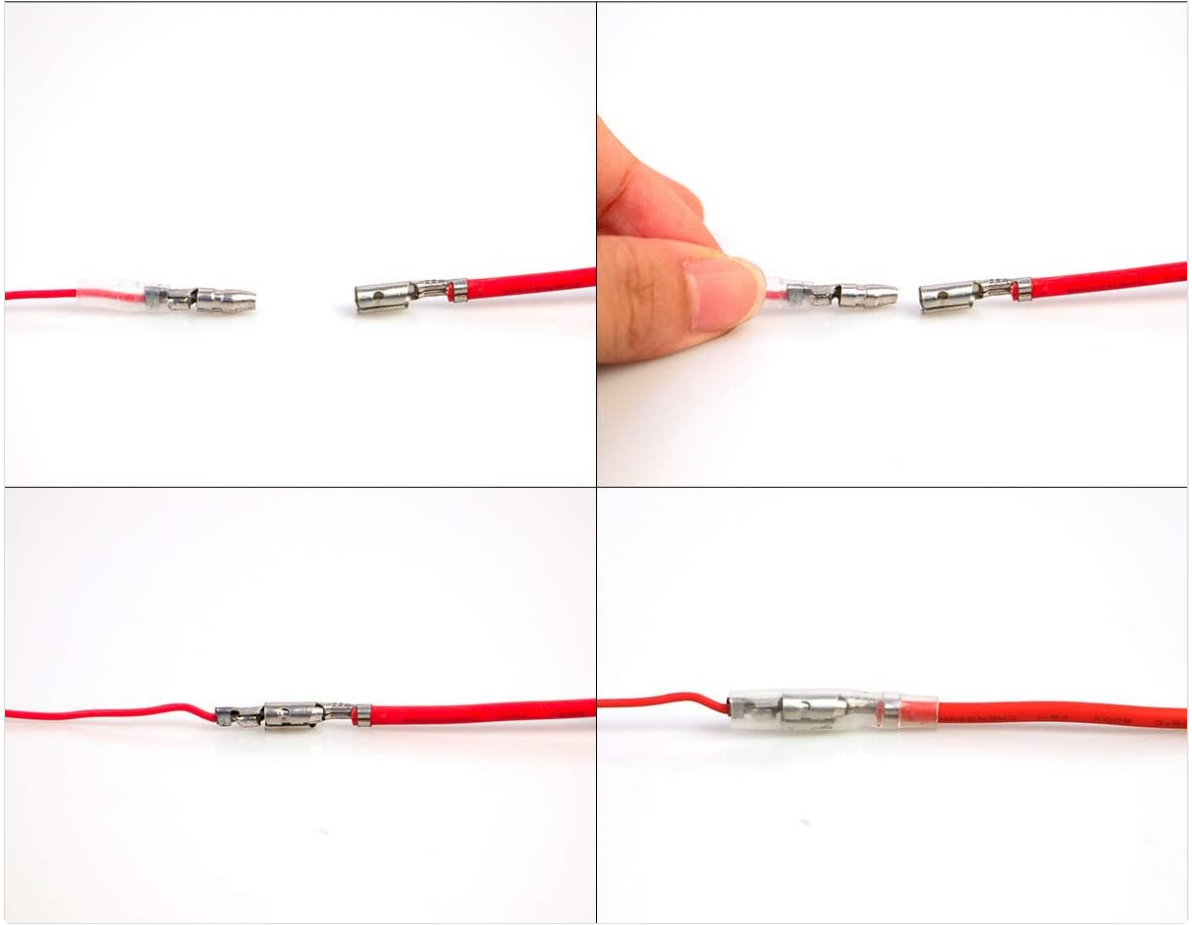


Image: Visual representation of the low voltage protection feature.

COMPATIBILITY

This hardwire kit is designed for high compatibility with various devices featuring a Mini USB port. It is specifically tested and recommended for the following VANTRUE dash cam models:

- VANTRUE M2
- VANTRUE N2
- VANTRUE N3
- VANTRUE N2 Pro
- VANTRUE X1
- VANTRUE X1 Pro
- VANTRUE X3

It also supports other devices such as radar detectors, mirror dash cams, and GPS units that utilize a Mini USB power input.

ワイヤの接続

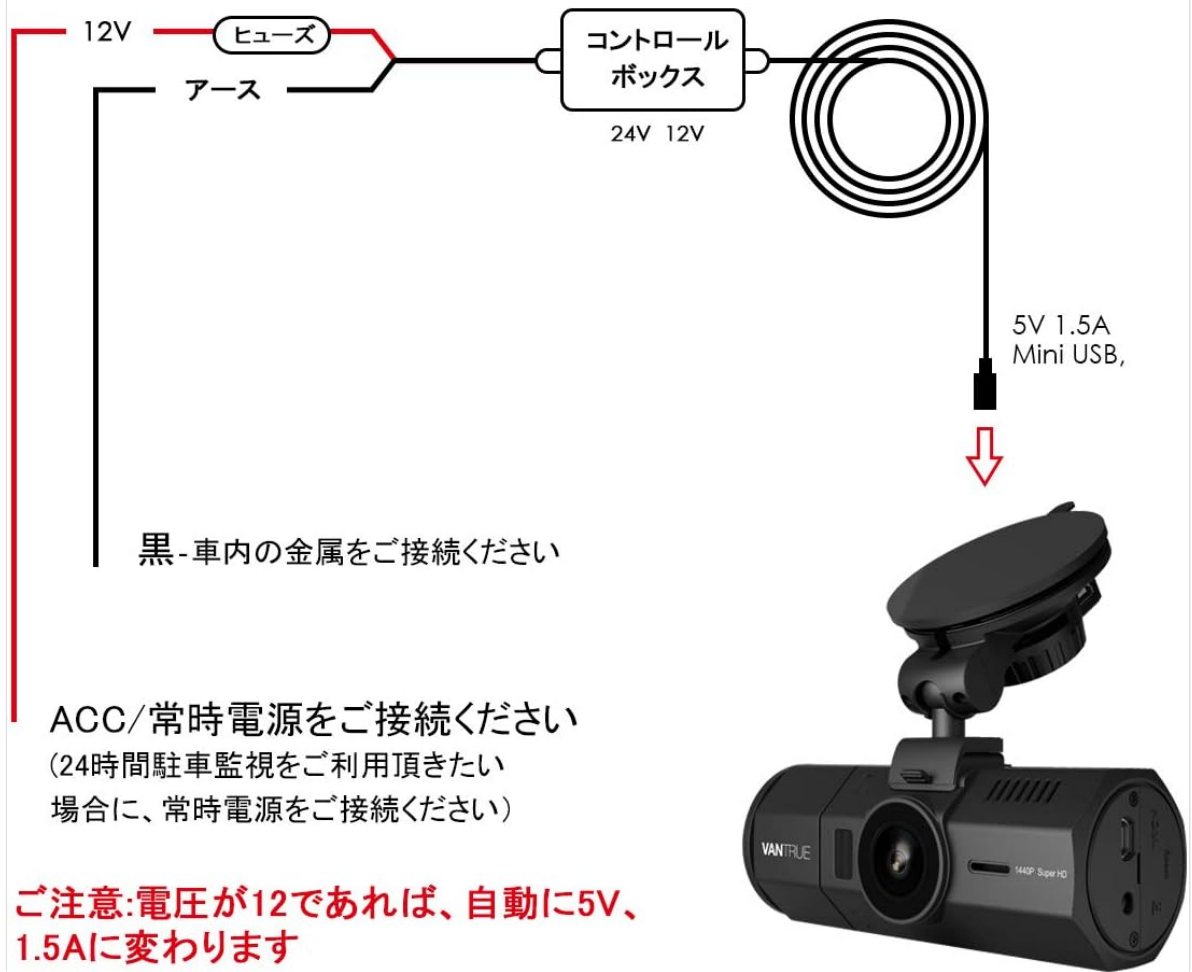


Image: Illustration of the hardwire kit's broad compatibility with different vehicle accessories.

IMPORTANT SAFETY INFORMATION AND WARNINGS

Please read carefully before use:

1. Parking surveillance mode utilizes the vehicle's constant power, which places a load on the vehicle battery. Regular inspection of your vehicle battery is recommended.
2. Refrain from using parking surveillance mode if: you do not drive daily; daily driving is less than 1 hour; or your vehicle battery has been used for over 1 year, as this may lead to vehicle battery drain.
3. After using parking surveillance mode, the vehicle battery voltage may be low. Always start the engine to recharge the vehicle battery. Failure to do so may result in battery drain.
4. This product is not compatible with electric vehicles.
5. Improper installation can cause damage to the product or your vehicle. If you are unsure about the installation process, consult a professional.

TROUBLESHOOTING

- **Device not powering on:** Check all cable connections. Ensure the fuse is properly seated and not

blown. Verify the vehicle's fuse box is supplying power to the chosen slot.

- **Parking surveillance not working:** Confirm the hardwire kit is connected to a constant power source. Check your dash cam settings to ensure parking mode is enabled.
- **Vehicle battery draining:** Review the important safety information regarding parking surveillance use. Ensure your vehicle battery is in good condition. The low voltage protection should prevent complete drain, but frequent or prolonged parking mode use without sufficient driving can still impact battery life.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VANTRUE website or contact VANTRUE customer service directly. Keep your purchase receipt for warranty claims.