

GKU GKU V9H-4 JYX

GKU Type-C Step-Down Power Cable User Manual

Model: GKU V9H-4 JYX

1. INTRODUCTION

Thank you for choosing the GKU Type-C Step-Down Power Cable. This cable is designed to provide a stable 5V/2.5A power supply to your dash cam or other compatible devices directly from your vehicle's 12V-24V electrical system. It enables essential features such as 24-hour parking monitoring and low voltage protection, ensuring your vehicle's battery is not drained. This manual provides detailed instructions for proper installation and usage.

This product is compatible with various devices including dash cams, car navigation systems, mobile phones, and tablets, specifically tested with GKU models D600, D600PRO, D700, D800, M9, D900, and D1000.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical installation to prevent short circuits or electrical shock.
- If you are not confident with electrical wiring, seek professional assistance for installation.
- Ensure all connections are secure and properly insulated to prevent accidental disconnections or short circuits.
- Do not route cables in areas that interfere with vehicle operation, airbags, or other safety systems.
- Use only the provided fuse adapters and ensure they match your vehicle's fuse box type and rating.
- Keep the product away from water, excessive heat, and direct sunlight.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- GKU Type-C Step-Down Power Cable
- 4 Types of Fuse Adapters (ATO/ATC, Mini/ATS, Micro2, Mini Low Profile)



Image: The package includes four distinct fuse adapter types: ATO (ATC), MINI (ATS), Micro 2, and Mini Low Profile. Each adapter is shown with its specific dimensions to aid in identification and proper selection for your vehicle's fuse box.

4. SETUP AND INSTALLATION

Proper installation is crucial for the functionality of the parking monitoring feature. This cable requires connection to both constant power (B+) and accessory power (ACC) sources in your vehicle's fuse box, along with a ground connection.

4.1 Identify Cable Wires

- **Red Wire:** Connects to a constant power source (B+) in the fuse box. This provides continuous power for 24-hour parking monitoring.
- **Yellow Wire:** Connects to an accessory power source (ACC) in the fuse box. This power source is active when the ignition is on and turns off with the engine. It signals the dash cam to switch between driving and parking modes.
- **Black Wire:** Connects to a metal part of the vehicle chassis for grounding.

4.2 Installation Steps

1. **Locate Your Vehicle's Fuse Box:** Refer to your vehicle's owner's manual to find the fuse box location (usually under the dashboard, in the engine bay, or in the trunk).
2. **Identify Fuse Types:** Determine which type of fuse your vehicle uses (ATO/ATC, Mini/ATS, Micro2, or Mini Low Profile) and select the corresponding adapter from the package.
3. **Find Constant Power (B+) Fuse:** Using a circuit tester, identify a fuse that has power even when the ignition is off (e.g., hazard lights, interior lights, radio). Insert the red wire's fuse adapter into this slot.
4. **Find Accessory Power (ACC) Fuse:** Using a circuit tester, identify a fuse that has power only when the ignition is on (e.g., cigarette lighter, radio, power windows). Insert the yellow wire's fuse adapter into this slot.
5. **Connect Ground Wire:** Securely attach the black wire to a clean, unpainted metal bolt or screw on the vehicle's chassis.
6. **Connect to Dash Cam:** Plug the Type-C connector of the step-down cable into your dash cam's power input port. Ensure your dash cam uses a Type-C port.
7. **Test the Installation:** Reconnect the vehicle's battery. Start the engine to confirm the dash cam powers on. Turn off the engine and remove the key to verify the dash cam switches to parking monitoring mode.
8. **Route Cables:** Carefully route and conceal the cables to avoid interference with driving and to maintain a tidy interior.

Please Make Sure Your Equipment is Type-C



USB Type C



Micro USB



Mini USB

Image: This illustration highlights the importance of using a Type-C compatible device. The GKU Type-C Step-Down Power Cable is designed exclusively for devices with a USB Type-C input, and is not compatible with Micro USB or Mini USB ports.

5. OPERATING INSTRUCTIONS

Once installed, the GKU Type-C Step-Down Power Cable operates automatically with your vehicle's ignition.

- **Driving Mode:** When your vehicle's ignition is on (ACC power active), the dash cam will receive full power and operate in its standard recording mode.
- **Parking Monitoring Mode:** When your vehicle's ignition is turned off (ACC power inactive), the cable will continue to supply power from the constant power source (B+), allowing your dash cam to activate its parking monitoring features (e.g., motion detection, impact detection).
- **Low Voltage Protection:** The cable features built-in low voltage protection. If your vehicle's battery voltage drops below a safe threshold (typically around 11.8V for 12V systems or 23.6V for 24V systems), the cable will automatically cut power to the dash cam to prevent excessive battery drain, ensuring your vehicle can still start.

6. MAINTENANCE

To ensure optimal performance and longevity of your GKU Type-C Step-Down Power Cable, follow these simple maintenance guidelines:

- **Regular Inspection:** Periodically check all cable connections, especially at the fuse box and the dash cam, to ensure they remain secure and free from corrosion.
- **Cable Routing:** Ensure cables are not pinched, frayed, or exposed to sharp edges. Re-secure any loose cables.
- **Cleanliness:** Keep the cable and connectors clean and free from dust or debris.
- **Fuse Check:** If the dash cam stops receiving power, check the fuses in the adapters and replace them if necessary with fuses of the correct rating.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|----------------------------------|---|---|
| Dash cam does not power on. | No power from fuse box; Blown fuse; Loose connection. | Check fuse connections (Red and Yellow wires). Replace blown fuses. Ensure ground wire is securely connected. Verify vehicle battery voltage. |
| Parking monitoring not working. | Incorrect ACC/B+ wiring; Low voltage protection activated; Dash cam settings. | Ensure Red wire is connected to constant power (B+) and Yellow wire to accessory power (ACC). Check vehicle battery voltage. Verify dash cam's parking mode settings. |
| Dash cam turns off unexpectedly. | Low voltage protection activated; Overheating. | Check vehicle battery voltage. Ensure proper ventilation for the dash cam. |
| Cable does not fit device. | Device uses Micro USB or Mini USB. | This cable is designed for Type-C devices only. Confirm your device's port type. |

8. SPECIFICATIONS

| Feature | Detail |
|------------------------|--|
| Model Number | GKU V9H-4 JYX |
| Input Voltage | DC 12V-24V |
| Output Voltage/Current | DC 5V/2.5A |
| Connector Type | USB Type-C (Male) |
| Low Voltage Protection | Yes |
| Included Accessories | 4 Types of Fuse Adapters (ATO/ATC, Mini/ATS, Micro2, Mini Low Profile) |
| Cable Length | Standard length (approx. 3.2 meters / 10.5 feet for typical hardwire kits) |
| Dimensions (Package) | 15.1 x 6.2 x 6.1 cm; 180 g |

9. WARRANTY AND SUPPORT

GKU products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation included with your purchase or contact the seller directly through the platform where you purchased the product. Please have your model number (GKU V9H-4 JYX) and purchase details ready when contacting support. You can also visit the official GKU store for more information and support resources:[GKU Official Store](#)

