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> Te-Rich 3-Socket Car Cigarette Lighter Splitter with 4 USB Ports (QC3.0/2.4A) - User Manual

Te-Rich HC67A

Te-Rich 3-Socket Car Cigarette Lighter Splitter with 4 USB Ports (QC3.0/2.4A)

Model: HC67A | Brand: Te-Rich

INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your Te-Rich 3-Socket Car Cigarette Lighter Splitter. This device expands your vehicle's power capabilities, offering three cigarette lighter sockets and four USB charging ports, including Quick Charge 3.0. It is designed for compatibility with both 12V and 24V vehicle electrical systems.

SAFETY INFORMATION

Please read all safety warnings and instructions before using this product to prevent injury or damage.

- **Maximum Power Output:** Do not exceed the total maximum output of 120W (10A). Exceeding this limit can cause overheating and damage to the device or your vehicle's electrical system.
- **Fuse Protection:** The cigarette plug is equipped with a 10A glass tube fuse for over-current protection. Two spare fuses are included. If the device stops working, check and replace the fuse if necessary.
- **Overheating:** Avoid covering the device during operation to ensure proper ventilation and prevent overheating.
- **Voltage Compatibility:** This device is compatible with 12V and 24V vehicle power outlets. Ensure your vehicle's voltage matches the device's specifications.
- **Installation:** When using the adhesive base, ensure the mounting surface is clean and dry. The adhesive is strong; use a hairdryer to gently heat the tape when removing the base to prevent damage to the mounting surface.
- **Environmental Conditions:** Do not expose the device to extreme temperatures, direct sunlight for prolonged periods, or moisture.

Warning:

Improper use may void the product warranty and cause damage to the product or vehicle.

PRODUCT OVERVIEW

The Te-Rich Car Cigarette Lighter Splitter is designed to provide multiple power outlets and USB charging ports for your vehicle. It features a compact design and robust safety mechanisms.

Components:

- Cigarette Lighter Plug with Voltmeter and Master Switch
- Main Unit with 3 Cigarette Lighter Sockets
- 4 USB Charging Ports (1x QC3.0, 3x 2.4A)
- 3 Individual Power Switches for each cigarette lighter socket
- 1-meter Extension Cable (6mm thick for 10A current)
- Detachable Fixing Base with 3M Adhesive Tape
- Spare 10A Glass Tube Fuses (x2)

Key Features:

- **Real-time Voltage Display:** Integrated voltmeter on the plug shows your car battery's voltage.
- **Independent Power Control:** Each cigarette lighter socket has its own switch for convenient power management.
- **High Power Output:** Total maximum output of 120W (10A) for powering multiple devices.
- **Fast USB Charging:** Includes one Quick Charge 3.0 port and three 2.4A USB ports for rapid device charging.
- **Multi-Safety Protection:** Built-in safeguards against over-heating, over-load, over-current, and short-circuit.
- **Wide Compatibility:** Supports 12V and 24V vehicles, suitable for various car models and electronic devices.



Figure 1: Te-Rich Car Cigarette Lighter Splitter showing overall dimensions and components.

SETUP

1. **Prepare the Mounting Surface:** Choose a flat, clean, and dry surface in your vehicle where you want to place the main splitter unit. Ensure it is within reach of the cigarette lighter socket and does not obstruct driving.
2. **Attach the Fixing Base:** Peel off the protective film from the 3M double-sided tape on the detachable fixing base. Firmly press the base onto the chosen surface for at least 30 seconds to ensure strong adhesion.
3. **Mount the Main Unit:** Slide the main splitter unit onto the fixing base until it clicks securely into place. The unit can be detached from the base if needed.
4. **Connect to Vehicle Power:** Insert the cigarette lighter plug firmly into your vehicle's 12V or 24V cigarette lighter socket.
5. **Power On:** Press the master switch on the cigarette lighter plug to activate the device. The voltmeter display will illuminate, showing your vehicle's battery voltage.

QC3.0 1個と2.4AのUSBポート3個あり

運転席も助手席も同時にデバイスを2台充電可能



Figure 2: The main unit can be detached from its fixing base, which uses 3M adhesive tape for secure mounting.

OPERATING INSTRUCTIONS

Using the Cigarette Lighter Sockets:

1. Ensure the master switch on the cigarette lighter plug is ON.
2. Plug your 12V/24V car accessories (e.g., dash cam, air purifier, navigation system) into any of the three available sockets on the main unit.
3. Press the individual switch located below each socket to turn its power ON or OFF. The switch will illuminate when active.
4. The maximum output per socket is 40W for 12V vehicles and 60W for 24V vehicles. The total combined output for all sockets and USB ports must not exceed 120W (10A).

12Vと24Vの車種に対応可能

各社のセダン、クロカン、ハイブリット、トラック、
キャンピングカーなどに使える



Figure 3: The splitter in a car interior, demonstrating its use with various car accessories.

Using the USB Charging Ports:

The device features four USB ports:

- **1x Quick Charge 3.0 (QC3.0) Port:** Provides rapid charging for compatible devices. Output: 3.6-6.5V/3A, 6.5-9V/2A, 9-12V/1.5A (Max 18W).
- **3x 2.4A USB Ports:** Deliver standard fast charging. When used individually, each port outputs 2.4A. When two ports are used simultaneously, the total output is 3.1A.

1. Connect your USB charging cable to your device and then to the desired USB port on the splitter.
2. Ensure the master switch is ON. The USB ports are always active when the master switch is ON.

3連ソケット 個別スイッチ付
合計最大120W



リアルタイム電圧表示

電圧によってバッテリーの状態を判別できる



Figure 5: The cigarette lighter plug features a digital display for real-time vehicle battery voltage monitoring.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Fuse Replacement:** If the device stops functioning, the 10A glass tube fuse inside the cigarette lighter plug may need replacement. Unscrew the tip of the plug to access the fuse. Replace it with one of the provided spare fuses.
- **Storage:** When not in use for extended periods, disconnect the device from the car's power outlet and store it in a cool, dry place.

固定用マウント付き 本体を着脱可能

3Mテープのスペアを2枚あり、好きな場所に置くことができる



Figure 6: Internal view of the cigarette lighter plug, highlighting the fuse and safety components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	Master switch is OFF. Cigarette plug not fully inserted. Blown fuse. Vehicle's cigarette lighter socket is faulty.	Ensure master switch is ON. Push the plug firmly into the socket. Check and replace the 10A fuse in the plug. Test the vehicle's socket with another device.
Devices not charging via USB.	Master switch is OFF. USB cable is faulty. Device is not compatible with QC3.0 (for QC port).	Ensure master switch is ON. Try a different USB cable. Use a 2.4A port or check device compatibility.

Problem	Possible Cause	Solution
Voltmeter display is flashing.	Low car battery voltage.	Check your vehicle's battery. It may need charging or replacement.
Individual socket not working.	Individual switch is OFF. Accessory is faulty. Total power consumption exceeds 120W.	Turn the individual switch ON. Test the accessory in another socket. Reduce the number of connected devices or their power draw.

SPECIFICATIONS

Feature	Detail
Brand	Te-Rich
Model Number	HC67A
Product Dimensions	13 x 6.3 x 3.2 cm (Main Unit)
Weight	212 g
Input Voltage	DC 12V / 24V
Total Max Output	120W / 10A
Cigarette Sockets	3 (Max 40W @ 12V, Max 60W @ 24V per socket)
USB Ports	4 Total (1x QC3.0, 3x 2.4A)
QC3.0 Output	3.6-6.5V/3A, 6.5-9V/2A, 9-12V/1.5A (Max 18W)
2.4A USB Output	2.4A (single port), 3.1A (total for two ports)
Cable Length	1 meter
Fuse Type	10A Glass Tube Fuse
Safety Features	Over-heating, Over-load, Over-current, Short-circuit protection
Compatible Devices	Smartphones, Tablets, Dash Cams, Navigation Systems, Car Air Purifiers, etc.
Compatible Vehicles	12V (light vehicles, sedans, wagons) and 24V (trucks, camping cars)

WARRANTY AND SUPPORT

This Te-Rich product comes with a**365-day warranty** from the date of purchase.

If you encounter any issues, have questions, or experience product defects, please contact our customer support. You can typically reach us via the "Contact Seller" option on your order details page.

Please note that the warranty may be voided due to improper use or unauthorized modifications to the product.

