

Otium C46

Otium USB C Car Charger Instruction Manual

Model: C46

INTRODUCTION

Thank you for choosing the Otium USB C Car Charger. This device is designed to expand your vehicle's power capabilities, offering multiple charging options and enhanced safety features. It converts a single 12V/24V cigarette lighter socket into two independent 12V/24V sockets, a USB Type-C port, and two USB-A charging ports. With its built-in LED voltage display and replaceable fuse, it provides a convenient and secure power solution for your mobile devices, GPS, dash cam, and other car accessories.



Image: Front view of the Otium USB C Car Charger, showcasing its dual cigarette lighter sockets with blue LED illumination, a central LED voltage display, a USB Type-C port, and two USB-A ports. The device is black with a sleek, modern design.

PRODUCT DIAGRAM

Familiarize yourself with the components and features of your Otium USB C Car Charger.

PRODUCT DIAGRAM



Image: Detailed product diagram illustrating the various parts of the Otium car charger, including the input (DC 12/24V), anti-slip mat, "L" and "R" buttons for independent socket control, LED car battery voltage display, USB charging ports (2.4A), Type-C charging port, cigarette sockets (12-24V/80W), and the location of the replaceable fuse.

- **Input:** DC 12V/24V
- **"L" Button:** ON/OFF switch for the left cigarette lighter socket.
- **"R" Button:** ON/OFF switch for the right cigarette lighter socket.
- **LED Car Battery Voltage Display:** Shows the current voltage of your car battery.
- **USB Charging Ports (2):** Each provides 2.4A output for charging devices.

- **Type-C Charging Port:** Provides charging for compatible Type-C devices.
- **Cigarette Sockets (2):** Each supports 12-24V/80W devices.
- **Replaceable Fuse:** Located at the bottom for safety and easy replacement.

SETUP INSTRUCTIONS

1. **Insert into Car Cigarette Lighter Socket:** Ensure your vehicle's engine is off. Insert the Otium car charger firmly into your car's 12V/24V cigarette lighter socket. The device is designed for a snug fit to prevent accidental disconnections.
2. **Adjust Angle (Optional):** The main body of the charger can be swiveled up to 90 degrees relative to the plug. Adjust the angle for optimal positioning and accessibility in your vehicle.

FLEXIBLE ROTATION

Free Degree Swiveling for Flexible Adjustment



Image: The Otium car charger demonstrating its flexible rotation capability, allowing the main unit to swivel relative to the cigarette lighter plug for adjustable positioning.

- 3. Power On Vehicle:** Start your vehicle. The LED voltage display on the charger will illuminate, showing your car battery's current voltage.

OPERATING INSTRUCTIONS

Using the Cigarette Lighter Sockets

1. **Connect Devices:** Plug your 12V/24V car accessories (e.g., GPS, dash cam, car refrigerator, vacuum cleaner, humidifier) into either the left or right cigarette lighter socket.
2. **Activate Sockets:** Each cigarette lighter socket has an independent ON/OFF switch.
 - Press the "L" button to activate/deactivate the left socket.
 - Press the "R" button to activate/deactivate the right socket.

When a socket is active, its internal blue LED light will illuminate.



Image: A hand pressing one of the independent ON/OFF buttons on the Otium car charger, demonstrating the ease of controlling each cigarette lighter socket.

3. **Power Output:** Each socket supports a maximum output of 80W. Ensure the total power consumption of connected devices does not exceed this limit per socket.

Using the USB and Type-C Charging Ports

1. **Connect Devices:** Plug your USB-powered devices (e.g., mobile phones, tablets, Kindle) into the USB-A ports or the Type-C port.
2. **Charging Output:**
 - **USB-A Ports:** Provide a total maximum output of 4.8A (2.4A per port).
 - **Type-C Port:** Provides a maximum output of 1A (for iOS devices) or 1.5A (for Android devices).
3. **Voltage Monitoring:** The LED display continuously shows your car battery's voltage. This helps you monitor the battery's health and prevent over-discharge.



Image: A close-up view of the Otium car charger's central LED display showing the car battery voltage, flanked by the USB-A and Type-C charging ports.

MAINTENANCE

Cleaning

- Ensure the device is unplugged from the car's cigarette lighter socket before cleaning.
- Wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- Keep the ports and sockets free from dust and debris.

Fuse Replacement

The Otium car charger features a built-in replaceable 10A fuse for enhanced safety. If the device stops functioning due to an overload or short circuit, the fuse may need replacement.

1. **Locate the Fuse:** The fuse is located at the tip of the cigarette lighter plug. Gently unscrew the tip to access the fuse compartment.

PRODUCT DIAGRAM



Image: Product diagram highlighting the location of the replaceable fuse at the base of the cigarette lighter plug, with an inset showing how to remove and replace it.

2. **Remove Old Fuse:** Carefully remove the old fuse.
3. **Insert New Fuse:** Insert a new 10A blade fuse (standard automotive fuse) into the compartment. Ensure it is securely seated.
4. **Reassemble:** Screw the tip back onto the plug.

Note: Always use a 10A fuse for replacement. Using a fuse with a different amperage rating can damage the device or your vehicle's electrical system.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on / No LED display.	<ul style="list-style-type: none">Loose connection in car socket.Vehicle's cigarette lighter fuse blown.Device's internal fuse blown.Vehicle not powered on.	<ul style="list-style-type: none">Ensure the charger is firmly inserted into the car socket.Check and replace your vehicle's cigarette lighter fuse if necessary (refer to your car's manual).Replace the 10A fuse in the Otium charger (see Maintenance section).Ensure the vehicle's ignition is on.
Cigarette lighter socket(s) not working.	<ul style="list-style-type: none">Socket's independent switch is OFF.Device connected exceeds 80W limit.	<ul style="list-style-type: none">Press the corresponding "L" or "R" button to turn the socket ON.Reduce the power consumption of the connected device or use a lower-power device.
USB/Type-C ports not charging.	<ul style="list-style-type: none">Charging cable is faulty.Device is not compatible or requires higher current.Device's internal fuse blown.	<ul style="list-style-type: none">Try a different charging cable.Ensure your device is compatible with the provided output (2.4A for USB-A, 1A/1.5A for Type-C).Replace the 10A fuse in the Otium charger (see Maintenance section).
Voltage display shows abnormal readings.	<ul style="list-style-type: none">Loose connection.Car battery issue.	<ul style="list-style-type: none">Ensure the charger is firmly inserted.Have your car battery and charging system checked by a professional.

SPECIFICATIONS

Model Number	C46
Input Voltage	DC 12V / 24V
Cigarette Socket Output	Max 80W per socket
USB-A Output	2 x 2.4A (Total Max 4.8A)
USB Type-C Output	Max 1A (iOS) / 1.5A (Android)
Built-in Fuse	10A Replaceable Fuse
Product Dimensions	2.6 x 1.57 x 4.8 inches (6.6 x 4.0 x 12.2 cm)
Item Weight	2.6 ounces (73.7 grams)

Color	Black
Special Features	LED Voltage Display, Independent Switches, Multi-Protect Safety System, Flexible Rotation

What's in the Box

- 1 x Otium USB C Car Charger (2 Sockets Cigarette Lighter Splitter)
- Built-in 10A Replaceable Fuse

SAFETY INFORMATION

Your Otium car charger is equipped with a multi-protect safety system to ensure safe operation. This includes protection against over-current, over-voltage, short-circuit, and overheating.

HIGH QUALITY SAFETY GUARANTEED



Over-Load
Protection



Short-Circuit
Protection



Over-Current
Protection



Over-Voltage
Protection



Over-Heating
Protection



Image: An exploded view diagram illustrating the internal components and safety features of the Otium car charger, such as the 330UF Solid State Capacitor, 10A Replaceable fuse, and CX8576 Power Management IC, highlighting protections against overload, short-circuit, over-current, over-voltage, and overheating.

- Do not disassemble or modify the device.
- Avoid exposing the device to extreme temperatures, direct sunlight, or moisture.
- Keep out of reach of children.
- Always ensure the total power consumption of connected devices does not exceed the specified limits (80W per socket).
- It is recommended to turn off the independent switches for the cigarette lighter sockets before starting your vehicle to prevent potential short-circuiting from instantaneous powerful current surges.

WARRANTY AND SUPPORT

Otium products are designed for reliability and performance. For warranty information and customer support, please refer to the contact details provided with your product packaging or visit the official Otium website. Please retain your proof of purchase for warranty claims.

For technical assistance or inquiries, please contact Otium Customer Service.