Car and Driver CAD-3175BK

Car and Driver Dual-Port Car Charger Instruction Manual

Model: CAD-3175BK

INTRODUCTION

This manual provides instructions for the safe and efficient use of your Car and Driver Dual-Port Car Charger, Model CAD-3175BK. This device is designed to provide fast charging for various electronic devices, including smartphones, tablets, and laptops, via your vehicle's cigarette lighter socket.

PRODUCT FEATURES

- **Dual Charging Ports:** Equipped with one USB-A port and one USB-C (Power Delivery) port for versatile device compatibility.
- **Fast Charging Capability:** The USB-C Power Delivery port can charge compatible phones at up to three times the standard speed. The USB-A port also provides fast charging.
- **High Power Output:** Offers a maximum total output of 48W. The USB-C port provides up to 30W, suitable for charging compatible laptops, while the USB-A port provides up to 18W.
- **LED Indicator:** Features an LED light to indicate charging status (fully charged, active quick charging, or connection issues).
- **Broad Compatibility:** Supports a wide range of devices including iPhone models (16 and older), Samsung Galaxy S20/S10, Pixel phones, tablets, and laptops.

SETUP AND INSTALLATION

Follow these steps to install and begin using your car charger:

1. **Locate Vehicle Power Socket:** Identify the 12V cigarette lighter socket in your vehicle. Ensure the vehicle's engine is off before installation.
2. **Insert Charger:** Firmly insert the Car and Driver Dual-Port Car Charger into the 12V power socket. Push until it is securely seated.

3. **Verify Power:** Once inserted, start your vehicle's engine. The LED indicator on the charger should illuminate, confirming it is receiving power.

4. **Connect Device:** Use a compatible USB charging cable to connect your device to either the USB-A or USB-C port on the charger.

Image: The Car and Driver Dual-Port Car Charger installed in a car's console, actively charging a smartphone.

Image: A laptop being charged by the Car and Driver Dual-Port Car Charger through its USB-C port, demonstrating its capability to power larger devices.

OPERATING INSTRUCTIONS

The Car and Driver Dual-Port Car Charger is designed for simple operation:

- **Single Device Charging:** Connect your device to either the USB-A or USB-C port using a compatible cable. The charger will automatically detect your device and begin charging.

- **Dual Device Charging:** You can charge two devices simultaneously by connecting one to the USB-A port and another to the USB-C port. The charger will distribute power efficiently between both devices.

- **LED Indicator Status:**
    - **Solid Blue Light:** Indicates the charger is powered on and ready to charge, or actively charging.
    - **No Light:** The charger is not receiving power, or there is an issue with the connection.

- **Optimal Charging:** For best results and fastest charging, use high-quality charging cables that are compatible with your devices and the charger's output capabilities (e.g., USB-C Power Delivery compatible cables for the USB-C port).

Image: A close-up view of the charger's ports and the illuminated blue LED indicator, signifying active operation.
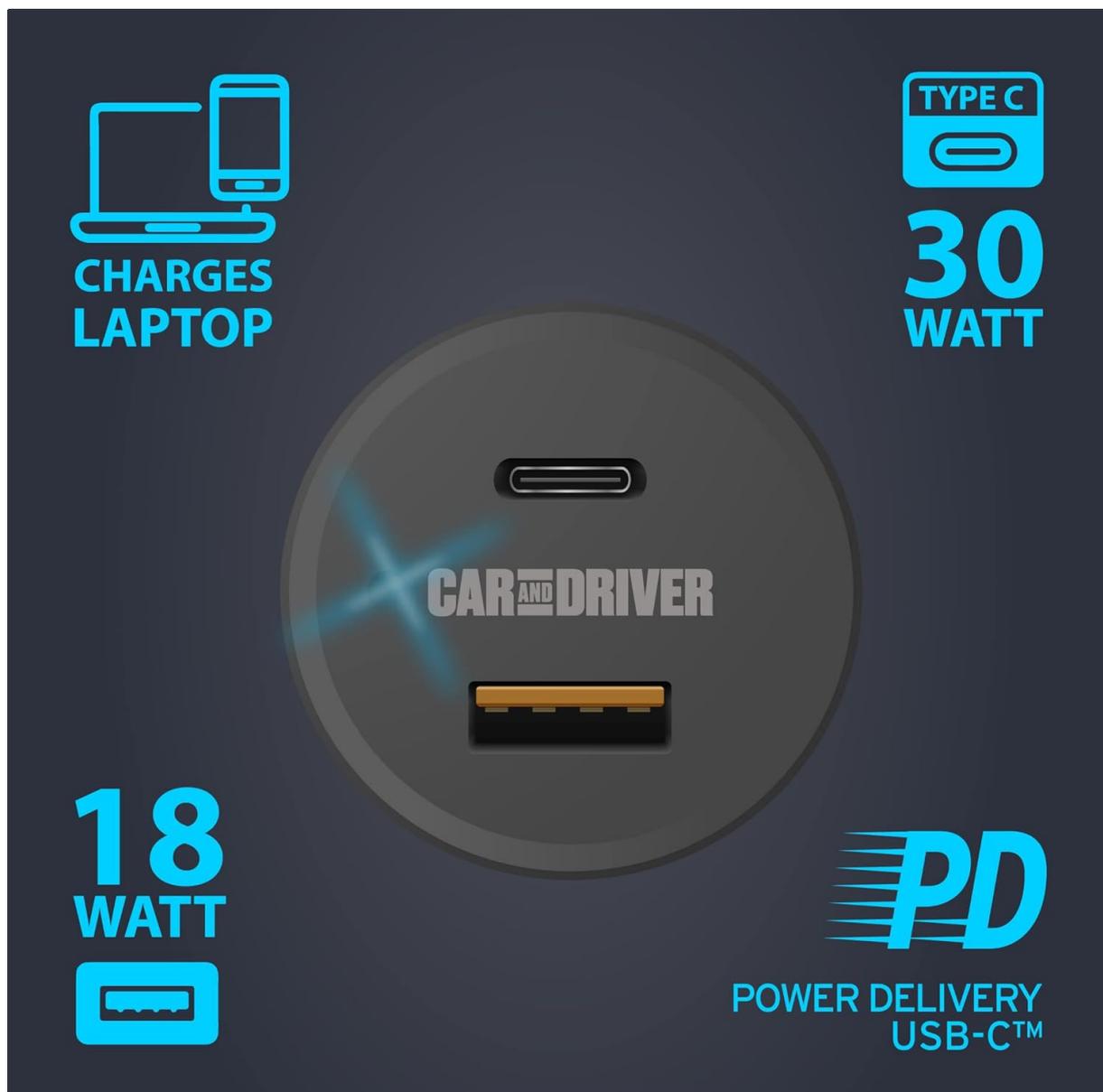
Image: A graphic detailing the power output of each port: 30W for the USB-C Power Delivery port and 18W for the USB-A port.

MAINTENANCE

To ensure the longevity and optimal performance of your Car and Driver Dual-Port Car Charger, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the charger. Do not use liquid cleaners or solvents, as they may damage the device.
- **Storage:** When not in use for extended periods, store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the charger or subjecting it to strong impacts, which can damage internal components.
- **Cable Care:** Always unplug cables by gripping the connector, not the cable itself, to prevent damage to the cable and charger ports.

TROUBLESHOOTING

If you encounter issues with your Car and Driver Dual-Port Car Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger LED does not light up.	Vehicle engine is off. Loose connection in the 12V socket. Vehicle's 12V socket fuse is blown.	Start the vehicle's engine. Ensure the charger is firmly seated in the 12V socket. Check and replace the vehicle's 12V socket fuse if necessary (consult your vehicle's manual).
Device is not charging or charging slowly.	Faulty charging cable. Device not compatible with fast charging. Excessive power draw from multiple devices.	Try a different, known-good charging cable. Ensure your device supports the charger's output (e.g., Power Delivery for USB-C). If charging two high-power devices, one might charge slower. Try charging one device at a time.
Charger feels warm during use.	Normal operation under heavy load.	This is normal. If it becomes excessively hot or emits smoke/odor, disconnect immediately and cease use.

SPECIFICATIONS

Feature	Detail
Model Number	CAD-3175BK
Input Voltage	12-24 Volts DC (from vehicle cigarette lighter)
USB-C Output (Power Delivery)	Up to 30W
USB-A Output	Up to 18W
Total Max Output	48W
Dimensions	1.38 x 1.38 x 2.69 inches
Weight	2.4 ounces
Color	BLACK
Connectivity	USB Type C, USB Type A
Compatible Devices	Cellular Phones, Laptops, Tablets

OFFICIAL PRODUCT VIDEO

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Video: This video demonstrates the installation and usage of the Car and Driver Dual-Port Car Charger, highlighting its fast-charging capabilities for various devices in a vehicle.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided with your

product packaging or visit the official Car and Driver website. Keep your purchase receipt for warranty claims.
Manufacturer: Summit Electronics LLC