

JEBSENS KMD-KN318

Jebsens USB C Car Charger Adapter with Voltage Display

INSTRUCTION MANUAL - MODEL KMD-KN318

Introduction

This manual provides essential information for the safe and efficient use of your Jebsens USB C Car Charger Adapter. This device is designed to provide fast charging for compatible devices and monitor your vehicle's battery voltage in real-time.

Product Overview

The Jebsens USB C Car Charger Adapter features dual charging ports (USB-C with Power Delivery 3.0 and USB-A with Quick Charge 3.0) and an integrated LED voltage display. It is designed for use in standard vehicle cigarette lighter sockets.

- **Fast Charging:** Equipped with PD 3.0 (USB-C) and QC 3.0 (USB-A) for rapid charging of compatible smartphones and tablets.
- **Voltage Monitor:** Bright LED display shows your car battery's voltage with high accuracy ($\pm 0.2V$).
- **Multiple Protection:** Built-in safeguards against over-heat, over-current, and over-charging.
- **Compact Design:** Small form factor for easy integration into your vehicle's interior.

30W POWER DELIVERY

Charge Your iPhone 11 Pro Max up to 50% in 30 minutes



Figure 1: Jebbens USB C Car Charger Adapter with Voltage Display. This image shows the compact design of the charger with its blue LED display and dual USB ports.

Package Contents

Verify that all items are present in the package:

- 1 x Jebsens 30W Dual USB Car Charger with LED Display

Note: Charging cables are not included and must be purchased separately.

Setup

1. **Locate the Cigarette Lighter Socket:** Identify the 12V cigarette lighter or power outlet in your vehicle.
2. **Insert the Charger:** Firmly insert the Jebsens car charger into the vehicle's cigarette lighter socket. Ensure it is fully seated for proper contact.
3. **Verify Power:** Once inserted, the LED voltage display on the charger should illuminate, showing the current voltage of your vehicle's battery.



EASIEST & COST EFFECTIVE WAY KNOW YOUR CAR BATTERY HEALTH

>>Check Your Battery When It's Below 11.90V
Repair Might Be Required to Avoid Breakdown on the Road.

Figure 2: The car charger properly installed in a vehicle's cigarette lighter socket, displaying the battery voltage.

Your browser does not support the video tag.

Video 1: This video demonstrates the installation and basic functionality of the Jebbens car charger, including its voltage display.

Operating Instructions

1. Charging Devices:

- **USB-C Port (PD 3.0):** Connect your USB-C compatible device (e.g., iPhone 12/11/X, iPad, Galaxy S20/S10/S9/S8, Note 8/7, Pixel 4/3/2/XL) using a suitable USB-C to USB-C or USB-C to Lightning cable. This port supports Power Delivery 3.0 for fast charging.
- **USB-A Port (QC 3.0):** Connect your USB-A compatible device (e.g., Galaxy S20/S10/S9/S8, Note 8/7, Pixel 4/3/2/XL) using a suitable USB-A cable. This port supports Quick Charge 3.0 for fast charging.

The charger can charge two devices simultaneously with a combined output of up to 30W.

2. Monitoring Battery Voltage:

The blue LED display continuously shows your vehicle's battery voltage. This allows you to monitor the health of your car battery in real-time. Typical voltage readings are:

- **Engine Off:** A healthy battery should read between 12.2V and 12.8V. If the voltage drops below 11.9V, it may indicate a weak battery requiring attention or replacement.
- **Engine On:** With the engine running, the voltage should typically be between 13.6V and 14.4V, indicating the alternator is charging the battery correctly.

UNIVERSAL COMPATIBILITY

Compatible with all USB-powered devices



Figure 3: The car charger actively charging a smartphone via its USB-C port, with the voltage display visible.

Your browser does not support the video tag.

Video 2: This video highlights the fast charging capabilities and the real-time voltage display of the car charger.

Compatibility

The Jebsens USB C Car Charger Adapter is compatible with a wide range of USB-powered devices, including:

- iPhones (15, 14, 13, 12, 11, X, 8 series, SE)
- Samsung Galaxy smartphones (S22, S21, S20, S10, S9, S8, Note series)
- Google Pixel phones (6, 5, 4a, 4, 3a, 3, 2, XL)
- iPads, iPad Pro, iPad Air, iPad Mini
- Other Android smartphones (LG, Motorola, Xiaomi, Huawei, Sony, Blackberry, HTC)
- Tablets, driving recorders, navigators, and other USB-powered devices.

SMART CHARGER & VOLT-METER

Accurate | Easy to Read | Fast Charge



Figure 4: The car charger is compatible with a wide array of devices, including various smartphones and tablets.

Safety and Protection Features

Your Jebbens car charger is equipped with multiple safety features to protect your devices and vehicle:

- **Over-current Protection:** Prevents excessive current flow to connected devices.
- **Over-heating Protection:** Monitors internal temperature to prevent overheating.
- **Over-charging Protection:** Safeguards device batteries from being overcharged.
- **Short-circuit Protection:** Automatically cuts power in case of a short circuit.

SAFETY ON THE GO!

NO OVER-CURRENT, NO OVER-CHARGING, NO OVER-HEATING



Multiple
Protection



Fireproof
Construction



Overload
Protection



Temperature
Control

Figure 5: Visual representation of the multi-protection features, including fireproof construction, overload protection, and temperature

control.

Maintenance

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the charger to extreme temperatures or moisture.
- Do not attempt to disassemble or repair the charger yourself. This will void the warranty.
- Ensure the cigarette lighter socket is clean and free of corrosion for optimal performance.

Troubleshooting

- **Charger Not Powering On / No Voltage Display:**
 - Ensure the charger is fully inserted into the cigarette lighter socket.
 - Check if the vehicle's ignition is on, as some sockets only receive power when the ignition is active.
 - Verify the vehicle's fuse for the cigarette lighter socket is not blown.
- **Slow Charging:**
 - Ensure your charging cable is of good quality and supports fast charging protocols (PD or QC).
 - Confirm your device supports Power Delivery (PD) or Quick Charge (QC) for optimal speeds.
 - Charging multiple devices simultaneously may distribute power, potentially reducing individual charging speeds.
- **Inaccurate Voltage Reading:**
 - The display has a high accuracy of $\pm 0.2V$. If you suspect a significant discrepancy, consult a professional for vehicle battery testing.
 - Ensure the charger is securely connected to the socket.

Specifications

Model Number	KMD-KN318
Input Voltage	12 Volts
Total USB Ports	2 (1x USB-C, 1x USB-A)
USB-C Output	Power Delivery 3.0 (PD 3.0)
USB-A Output	Quick Charge 3.0 (QC 3.0)
Max Total Output	30W

Voltage Display Accuracy	+/-0.2 Volt
Item Weight	1.62 ounces
Dimensions	4.57 x 2.24 x 1.54 inches

Warranty and Support

This Jeebsens product is covered by a **12-month guarantee** provided by the manufacturer.

For technical support, warranty claims, or any inquiries regarding your product, please refer to the contact information provided with your purchase or visit the official Jeebsens website. Please have your model number (KMD-KN318) and proof of purchase ready when contacting support.

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