

## 1. Overview

The LIHAN 2 USB Car Charger is a dual-port adapter that plugs into a standard 12V or 24V vehicle cigarette lighter socket. It provides power for charging USB devices and includes a digital voltmeter to monitor your vehicle's battery voltage.



## 2. Features



### 2.1 Dual USB Charging Ports

- Two USB Type-A ports with a combined output of 4.8A.
- Allows simultaneous charging of two devices.
- Intelligently distributes current based on connected devices.

### 2.2 Integrated Voltage Meter

- Digital LED display shows the vehicle's battery voltage when no device is charging.
- Monitors battery health: A flashing display indicates a potential voltage issue.
- For 12V systems: Normal range is typically 11.5V to 14.9V.

- For 24V systems: Normal range is typically 23.1V to 27.3V.

## 2.3 Safety & Protection

- Intelligent circuit design provides protection against short circuits, overheating, overcurrent, and overcharging.
- Built-in auto-cooling feature.

## 2.4 Physical Design

- Compact, slim aluminum profile (2.8" x 1.3" x 1.3").
- Minimizes obstruction in the vehicle socket area.
- Features a subtle blue backlight for the display.

## 3. Specifications

- **Input Voltage:** 12V - 24V DC
- **Total Output:** 4.8A
- **USB Ports:** 2 x USB Type-A
- **Connector:** Standard cigarette lighter plug
- **Dimensions:** 2.8" x 1.3" x 1.3"
- **Color:** Black (also available in Silver and 3-Silver)
- **Model Number:** HY-36

## 4. Use Guide



## 4.1 Installation

1. Ensure your vehicle is parked and the ignition is off or in accessory mode.
2. Insert the charger's cigarette lighter plug firmly into your vehicle's 12V/24V power outlet (cigarette lighter socket).
3. The LED voltage display will illuminate, showing your vehicle's battery voltage.

## 4.2 Charging Devices

1. Connect your device's USB charging cable to one of the charger's USB ports.
2. Connect the other end of the cable to your device.
3. The device should begin charging. The voltage display will turn off while a device is charging.
4. To charge a second device, repeat steps 1-2 using the other USB port.

## 4.3 Reading the Voltage Display

- When no device is plugged in, the display shows the vehicle's electrical system voltage.
- A steady reading within the normal ranges indicates a healthy battery/charging system.
- A reading outside the normal ranges or a flashing display may indicate a battery or alternator issue. Consult your vehicle's manual or a mechanic.

## 5. Compatibility

This charger is compatible with a wide range of USB-powered devices, including but not limited to:

- **Phones:** iPhone 17, 16, 15, 14, 13, 12, 11, XS, XR, X, 8, 7, 6; Samsung Galaxy S and Note series; Google Pixel series; and most other Android phones.
- **Tablets:** iPad, iPad Air, iPad Pro, iPad Mini, Android tablets, Kindle.
- **Other Devices:** Bluetooth speakers, headphones, GPS units, portable cameras, and other 5V USB devices.

**Vehicle Compatibility:** Compatible with most cars, trucks, SUVs, RVs, and boats featuring a standard 12V or 24V cigarette lighter power outlet.

## 6. Troubleshooting

- **No power / Display not lit:** Ensure the charger is fully inserted into the vehicle outlet. Check if the vehicle's accessory power is on.
- **Device not charging:** Try a different USB cable. Ensure the cable and device are functioning correctly. Try the other USB port.

- **Charger feels hot:** Some warmth is normal during use. The charger has over-temperature protection. If it becomes excessively hot, unplug it and allow it to cool.
- **Voltage display is flashing:** This indicates a potential issue with your vehicle's voltage. Have your vehicle's battery and charging system inspected.

## 7. Safety Information

- Use only in standard 12V/24V DC vehicle power outlets.
- Do not disassemble, modify, or attempt to repair the charger.
- Keep away from water and excessive moisture.
- Do not use if the charger or cable is damaged.
- Unplug the charger when not in use for extended periods.
- This product is designed for indoor vehicle use. Avoid extreme temperatures.

## 8. Package Contents

- LIHAN 2 USB Car Charger (x1)
- User Manual (this guide)

*Note: USB charging cables for your specific devices are not included and must be purchased separately.*

### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.