Autel AC LW12-NACS

Autel Level 2 Home Smart EV Charger NACS Instruction Manual

Model: AC LW-106001424

Product Overview

The Autel Level 2 Home Smart EV Charger NACS is designed for efficient and reliable electric vehicle charging at home. It features high-speed charging capabilities, smart control via the Autel Charge APP, and robust protection for indoor and outdoor use.

- **High-Speed Charging:** Up to 50A (12kW) for rapid charging, adding approximately 48 miles of range per charging hour.
- **NACS Connector:** Directly compatible with Tesla EVs, eliminating the need for adapters.
- **Smart Control:** Manage charging schedules, monitor energy usage, and receive OTA firmware updates via the Autel Charge APP.
- **Durable Design:** NEMA 4X-rated for dust-tight and water-tight protection, suitable for indoor or outdoor installation. Features a flexible 25-foot cable.
- **Safety Features:** Built-in protections against overcurrent, overvoltage, undervoltage, integrated surge protection, lightning protection, and overheating.

Setup and Installation

The Autel Level 2 EV Charger is a hardwired unit. Professional installation by a licensed electrician is highly recommended to ensure safety and compliance with local electrical codes.

What's in the Box:

- Autel MaxiCharger AC Lite unit
- 25-foot NACS charging cable
- Mounting bracket and hardware
- Installation guide and documentation



The Autel Level 2 Home Smart EV Charger unit, NACS cable, and smartphone app interface.

Installation steps: Attach the mounting bracket, mount the charger, connect the AC input cable, and connect to the breaker box.

Installation Steps:

1. **Mounting:** Securely attach the provided mounting bracket to a wall stud or suitable support structure. The unit is designed for both indoor and outdoor installation.
2. **Wiring:** Connect the hardwired AC input cable to your home's electrical panel. This requires a dedicated 20A or 80A circuit, depending on desired amperage.
3. **Amperage Adjustment:** The charger supports adjustable amperage from 6A to 50A. This can be configured via the Autel Charge APP or manually on the unit.
4. **Connectivity:** Connect the charger to your home network via Wi-Fi or Ethernet for smart features and firmware updates. Bluetooth connectivity is also available for local control.

Official video demonstrating the installation and operation of the EV charger.

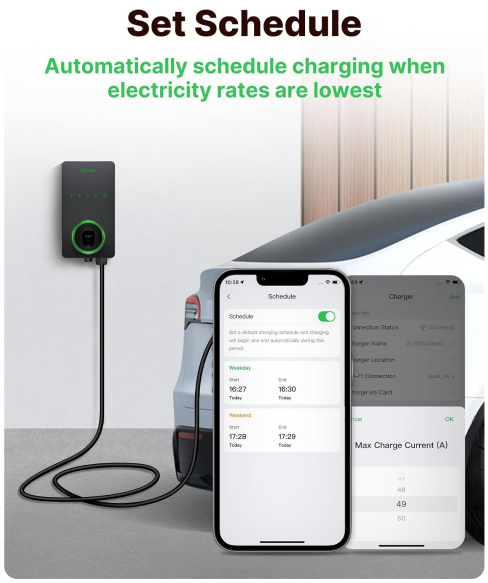
Official video detailing the hardwiring process for the Autel EV charger.

Operating Instructions

The Autel Level 2 EV Charger is designed for user-friendly operation, primarily controlled via the Autel Charge APP.

Charging Your EV:

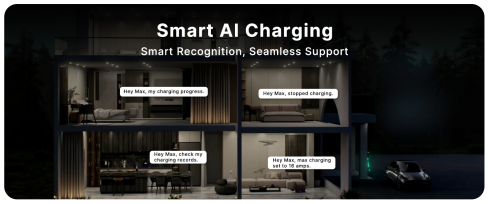
1. Ensure the charger is properly installed and powered on (indicated by green lights on the unit).
2. Open your Tesla's charging port. The NACS connector on the Autel charger is designed for direct compatibility.
3. Plug the NACS charging cable into your Tesla's charging port. The charger's button can be used to open the port automatically.
4. Initiate charging via the Autel Charge APP. You can start/stop charging, schedule sessions during off-peak hours, and monitor charging progress.
5. The unit features Smart AI Charging for seamless recognition and support, including voice control capabilities.



Schedule charging sessions via the Autel Charge APP to optimize for off-peak electricity rates.



Easy Charging: Press the button on the NACS connector to automatically open the Tesla charging port.



Smart AI Charging: Utilize voice commands for various charging functions.

Maintenance

The Autel Level 2 EV Charger is designed for durability and minimal maintenance. Its NEMA 4X rating ensures protection against dust, water, and external ice formation.

- Regularly inspect the charging cable and connector for any signs of wear or damage.
- Keep the unit clean and free from debris.

- No specific user-serviceable parts inside. For any issues beyond basic cleaning, contact customer support.

Troubleshooting

If you encounter issues with your Autel EV Charger, consider the following common troubleshooting steps:

- **App Connectivity Issues:** Ensure your charger is connected to Wi-Fi or Ethernet. Check Bluetooth settings on your device. If issues persist, try restarting the app or the charger.
- **Charging Not Initiating:** Verify the NACS connector is fully inserted into the vehicle's port. Check the charger's indicator lights for any error codes. Confirm the charging schedule in the app is not preventing immediate charging.
- **Reduced Charging Speed:** Check the amperage setting in the Autel Charge APP or manually on the unit to ensure it's set to the desired level (up to 50A). Ensure your home's electrical circuit can support the desired amperage.
- **Unauthorized Use:** Utilize the optional RFID card functionality to prevent unauthorized charging sessions.

For persistent issues or complex problems, refer to the detailed troubleshooting section in the full user manual or contact Autel customer support.

Specifications

Feature	Specification
Brand	Autel
Model	AC LW-106001424
Charging Level	Level 2
Amperage	Adjustable 6A to 50A
Wattage	12 kW
Input Voltage	240 Volts
Connector Type	NACS (Tesla)
Cable Length	25-Foot
Connectivity	Bluetooth, Wi-Fi, Ethernet
Enclosure Rating	NEMA 4X
Mounting Type	Wall Mount
Item Weight	17.41 pounds
Country of Origin	Vietnam

Warranty and Support

Autel stands behind the quality of its products. The Autel Level 2 Home Smart EV Charger comes with a 3-year protection plan.

For technical support, troubleshooting, or warranty claims, please contact Autel customer service. Refer to the contact information provided in your product packaging or on the official Autel website.

Autel has been a leading provider of intelligent automotive products and services since 2004, committed to green energy solutions.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question