Autel MC40AP14I

Autel MaxiCharger Home EV Charger User Manual

Model: MC40AP14I

1. Introduction

The Autel MaxiCharger Home is a state-of-the-art Level 2 Electric Vehicle (EV) charging station designed for residential use. It offers fast and efficient charging for any EV or plug-in hybrid vehicle, significantly reducing charging times compared to standard Level 1 chargers. This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of your MaxiCharger Home EV charger.
This model features a 40 Amp NEMA 14-50 plug, Wi-Fi and Bluetooth connectivity, and a durable design suitable for both indoor and outdoor environments.

2. Safety Information

Always adhere to local electrical codes and regulations. Installation should be performed by a qualified electrician if you are not familiar with electrical wiring. Disconnect power before performing any maintenance or installation procedures.

- Do not operate the charger if it is damaged.
- Ensure the charging cable is not damaged or frayed before use.
- Keep children and pets away from the charging area during operation.
- Do not immerse the charger or charging cable in water.
- Use only the provided accessories and components.

3. Package Contents

Verify that all components are present upon unboxing:

- Autel MaxiCharger Home EV Charger Unit
- 25-Foot Charging Cable with NEMA 14-50 Plug
- Wall Mount Bracket
- Mounting Hardware (screws, anchors)
- User Manual (this document)



Figure 3.1: Autel MaxiCharger Home EV Charger and components.

4. Setup and Installation

The MaxiCharger Home is designed for straightforward installation. It is recommended to consult a qualified electrician for installation to ensure compliance with all local electrical codes and safety standards.

4.1 Site Selection

Choose a location that is easily accessible to your vehicle and has a suitable NEMA 14-50 outlet. The unit is rated NEMA 4 for outdoor use, allowing flexible placement.

4.2 Mounting the Charger

1. **Prepare the Wall:** Identify a sturdy wall surface capable of supporting the charger's weight. Use a stud finder if mounting to drywall.
2. **Position the Bracket:** Hold the wall mount bracket against the wall at the desired height. Mark the drilling points through the bracket's screw holes.
3. **Drill Holes:** Drill pilot holes at the marked locations. Insert wall anchors if necessary.
4. **Secure the Bracket:** Line up your wall mount and screw in the provided two M6 x 50 screws. Tighten for a secure mount.
5. **Attach the Charger:** Attach the charger to the wall mount. Slide the charger downwards into place, ensuring it is firmly seated on the bracket.

Your browser does not support the video tag.

Video 4.1: Official Autel EV Charger Installation Guide. This video demonstrates the physical installation process of the Autel MaxiCharger, including mounting the bracket and attaching the charger unit to the wall.

Your browser does not support the video tag.

Video 4.2: Installation Video_Autel MaxiCharger_NEMA Plug. This video provides a detailed walkthrough of installing the Autel MaxiCharger with a NEMA plug connection.

4.3 Electrical Connection

Plug the NEMA 14-50 plug into a dedicated 240V NEMA 14-50 outlet. Ensure the circuit breaker for this outlet is rated appropriately (e.g., 50 Amp for 40 Amp charging).

4.4 Initial Power-Up and Connectivity

Once connected, turn on the circuit breaker. The charger will power on. Download the "Autel Charge" mobile app from your device's app store. Follow the in-app instructions to connect the charger via Wi-Fi or Bluetooth for smart features and firmware updates.

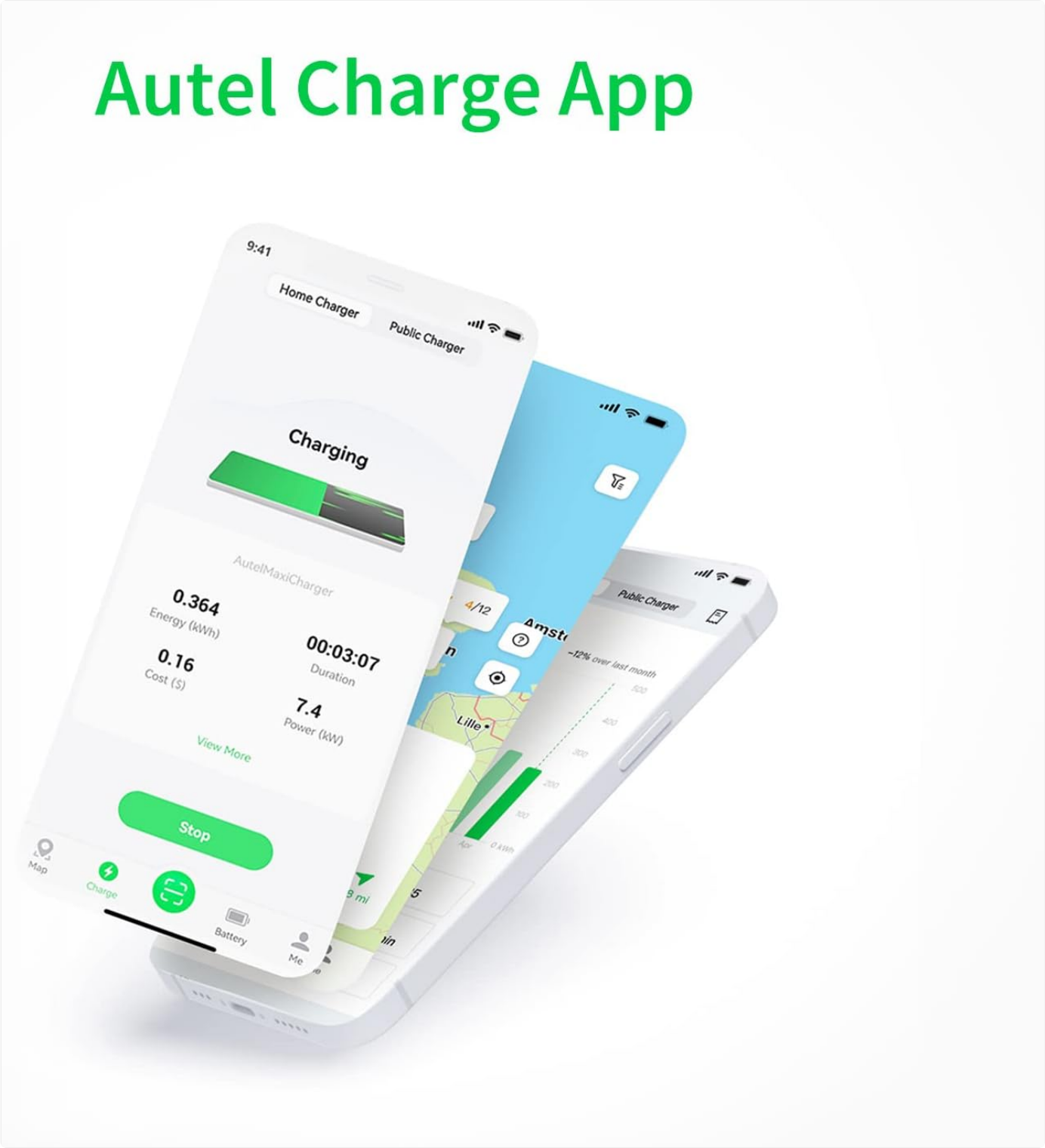


Figure 4.1: The Autel Charge mobile application interface.

Your browser does not support the video tag.

Video 4.3: Autel Home Smart EV Charger up to 40Amp. This video highlights the smart features and connectivity of the Autel Home EV Charger.

5. Operating Instructions

5.1 Starting a Charge Session

1. **Connect to Vehicle:** Open your vehicle's charging port and firmly insert the MaxiCharger's J1772 connector into the port. Ensure a secure connection.
2. **Initiate Charging:** Charging will typically begin automatically. If RFID card functionality is enabled, swipe your

registered RFID card in front of the charger to initiate charging. Alternatively, use the Autel Charge app to start a session.



Figure 5.1: Connecting the MaxiCharger to an EV for high-speed charging.

5.2 Stopping a Charge Session

1. **Via App:** Use the "Stop" button within the Autel Charge mobile app.
2. **Via Vehicle:** Disconnect the charging cable from your vehicle's charging port. The charger will automatically stop.
3. **Via RFID:** If enabled, swipe your RFID card again to stop the session.

5.3 Using the Autel Charge App

The Autel Charge app provides advanced control and monitoring features:

- **Schedule Charging:** Set specific times for charging to take advantage of off-peak electricity rates.
- **Monitor Charging:** View real-time charging status, energy consumption (kWh), duration, and power (kW).
- **Adjust Amperage:** Modify the charging amperage (from 6 amps up to 40 amps) to suit your needs or electrical capacity.
- **Access Control:** Manage user access with optional RFID card functionality.

- **Firmware Updates:** Receive automatic Over-The-Air (OTA) firmware updates for improved performance and new features.

Your browser does not support the video tag.

Video 5.1: Autel EV Charger Schedule Charging. This video demonstrates how to set up and manage charging schedules using the Autel Charge app.

Your browser does not support the video tag.

Video 5.2: How to Set Charge Schedule. A short video tutorial on configuring charging schedules within the Autel Charge application.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your MaxiCharger Home EV charger.

- **Cleaning:** Wipe the exterior of the charger with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the charging connector is free of dust and debris.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of wear, cuts, or damage. If damage is found, discontinue use immediately and contact customer support.
- **Firmware Updates:** Keep the charger's firmware updated via the Autel Charge app to benefit from the latest features and improvements.



Figure 6.1: The MaxiCharger's NEMA 4 rating ensures durability in various weather conditions.

Your browser does not support the video tag.

Video 6.1: MaxiCharger AC Reliability Test. This video showcases the durability and reliability testing of the MaxiCharger AC unit.

7. Troubleshooting

If you encounter issues with your MaxiCharger, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Charger not powering on.	No power from outlet; circuit breaker tripped.	Check the circuit breaker and ensure the outlet has power.

Problem	Possible Cause	Solution
Charging not starting.	Cable not fully inserted; RFID not swiped (if enabled); app issue.	Ensure the cable is securely connected. Swipe RFID card if required. Check the Autel Charge app for error messages or to manually start.
Wi-Fi/Bluetooth connectivity issues.	Incorrect network settings; interference; charger too far from router.	Ensure correct Wi-Fi password. Move charger closer to router or use a Wi-Fi extender. Restart charger and mobile device. Ensure 2.4GHz network is used.
Slow charging speed.	Amperage setting too low in app; vehicle limitation.	Check and adjust the amperage setting in the Autel Charge app. Verify your vehicle's maximum charging rate.

8. Specifications

Feature	Detail
Model Number	MC40AP14I
Charging Level	Level 2
Amperage	40 Amps (Adjustable from 6-40 Amps)
Input Voltage	240 Volts AC
Output Wattage	Up to 10 KW
Cable Length	25 Feet
Plug Type	NEMA 14-50
Connectivity	Wi-Fi, Bluetooth, Ethernet
Protection Rating	NEMA 4 (Indoor/Outdoor)
Certifications	CSA, CE
Item Weight	19.61 pounds
Product Dimensions	0.39 x 0.39 x 0.39 inches

9. Warranty and Support

The Autel MaxiCharger Home EV Charger comes with a**3-year warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or technical assistance, please contact Autel customer service. Autel provides 24/7 customer support to assist with any questions or issues you may encounter. Automatic firmware updates ensure your charger remains up-to-date with the latest features and performance enhancements.
For further assistance, please refer to the official Autel website or contact their support team directly.

© 2024 Autel. All rights reserved.

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