

AUTOOL C701

AUTOOL Level 2 EV Charger User Manual

Model: C701 | Brand: AUTOOL

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, installation, and maintenance of your AUTOOL Level 2 EV Charger (Model C701). This electric vehicle charging station is designed for home use, offering fast and smart charging capabilities for a wide range of electric vehicles.

2. PRODUCT FEATURES

- **Fast & Powerful Charging**

The AUTOOL C701 EV charger offers adjustable charging current from 10A to 32A, providing Level 2 EV charging at 110V with 3.5kW output. This allows for significantly faster charging compared to Level 1 chargers, adding approximately 26 miles of range per charging hour.



Image: The AUTOOL C701 EV Charger connected to a white electric vehicle, illustrating its 3.5kW 32A charging capability.

- **Adjustable Current Output**

The charger supports adjustable current outputs including 32A, 25A, 16A, 14A, and 10A, allowing users to select the appropriate charging rate for their needs.

PLUG AND PLAY

Adjustable current output: 32A, 25A, 16A, 14A, 10A

32A	⚡ ⚡ ⚡ ⚡ ⚡	3.2-3.5KW
25A	⚡ ⚡ ⚡ ⚡	2.8-3.36KW
16A	⚡ ⚡ ⚡	2.4-2.88KW
14A	⚡ ⚡	2.0-2.4KW
10A	⚡	1.6-1.92KW



Image: A visual representation of the adjustable current settings (10A to 32A) and their corresponding power outputs.

- **Comprehensive Safety Protections**

The C701 complies with CE FCC security certification standards and is equipped with multiple safety features, including Over Voltage protection, Overload protection, Short Circuit protection, Ground protection, and Earth Leakage protection. It operates reliably in temperatures ranging from -25°C to 50°C (-13°F to 122°F). The connector has a long operating life of up to 10,000 uses. Its IP66 TYPE 4 waterproof case and robust 26ft cable make it suitable for both indoor and outdoor environments.



Image: An infographic highlighting the extensive safety features built into the AUTOOL EV Charger.

- **Smart Charging with App Control**

Utilize the dedicated mobile application for smart charging features. The app allows you to schedule charging times during off-peak periods, check charging costs and history, receive fully-charged notifications, and track the charging status. With Bluetooth, Wi-Fi connectivity, and Ethernet access, the charger supports automatic over-the-air (OTA) remote firmware updates. Optional password and IC card functions are available to prevent unauthorized use.

CHARGE SMARTER WITH CHARGEPOINT APP



Image: A user interacting with the mobile application to control and monitor the EV charger.

- **Universal Compatibility**

Equipped with a NEMA 14-50 outlet, the charger is compatible with electric vehicles featuring American standard AC charging interfaces or plug-in hybrid vehicles. This includes popular brands like Tesla (requires adapter), Ford, GM, Volkswagen, Nissan, Audi, and many more.

COMPATIBLE WITH ALL ELECTRIC VEHICLES



For Tesla



For Volkswagen



For Volvo



For Skoda



For Audi



For MG



For Dacia



For Fiat



For Ford



For BMW



For
Mercedes-Benz

...
MORE

Image: A collage of various electric vehicle brands demonstrating the charger's broad compatibility.

- **Long Cable Length**

The charger comes with a solid 26ft (8m) cable, providing ample reach for convenient charging in various setups.

PREMIUM 26 FEET OF CABLE



Image: The AUTOOL EV Charger with its 26-foot cable connected to an electric vehicle.

3. WHAT'S IN THE BOX

The AUTOOL Level 2 EV Charger package includes the following components:

- AUTOOL Level 2 EV Charger Unit (Model C701)
- Mounting Bracket
- Screws and Plastic Expansion Pipes for installation
- User Manual
- IC Cards (optional, for access control)



Image: All components included in the AUTOOL C701 EV Charger package.

4. SPECIFICATIONS

Feature	Detail
Model Number	C701
Input Voltage	110 Volts AC
Output Current	Adjustable 10A to 32A
Rated Power	3.5 kW
Cable Length	26 feet (8m)
Protection Rating	IP66 TYPE 4 (Waterproof)

Operating Temperature	-25°C to 50°C (-13°F to 122°F)
Mounting Type	Wall Mount
Connectivity Technology	Ethernet, Wi-Fi, Bluetooth
Connector Type	NEMA 14-50
Item Weight	15.67 pounds
Package Dimensions	16 x 11 x 10.5 inches

5. SETUP AND INSTALLATION

For optimal performance and safety, professional installation by a licensed electrician is highly recommended. Ensure all local electrical codes and regulations are followed.

Installation Steps:

- Prepare the Installation Area:** Use a level to draw a straight line on the wall where the charger will be mounted. This line will help ensure the bracket is installed correctly.



Image: Preparing the wall by drawing a level line for bracket alignment.

- Mount the Bracket:** Align the mounting bracket with the drawn line and mark the positions for drilling holes. Drill four holes, each approximately 1.2 inches deep. Insert the plastic expansion pipes into the drilled holes, tapping them gently with a hammer until flush with the wall. Secure the bracket to the wall using the provided screws, ensuring they are tightened for a firm installation.

EASY INSTALLATION BY A LICENSED ELECTRICIAN



Image: Securing the mounting bracket to the wall.

3. **Place the Charger Unit:** Carefully place the main charger unit onto the installed bracket. Tighten the screws located under the main unit to securely fasten it to the bracket.
4. **Electrical Connection:** Connect the power cord from the EV charger to a leakage circuit breaker. Ensure the Live (L), Neutral (N), and Ground (PE) wires are connected correctly. It is recommended to install the charger on a circuit breaker rated at 40A or greater.

CHARGING POST WIRING SCHEMATIC

AC 220V Power Input

L: Fire Wire
N: Zero Wire
PE: Ground Wire

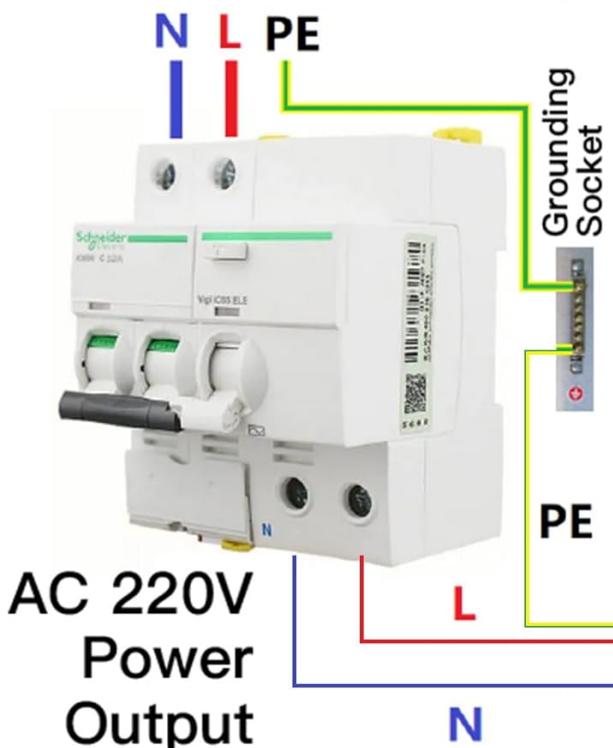


Image: Detailed wiring schematic for connecting the EV charger to a circuit breaker.

5. **Organize Cable and Charging Gun:** Once installed, organize the charging cable neatly around the unit. Insert the charging gun into its designated holder on the charger.

Installation Video Guide:

Your browser does not support the video tag.

Video: A step-by-step guide demonstrating the installation process of the AUTOOL C701 EV Charger, including mounting and electrical connections.

6. OPERATING INSTRUCTIONS

The AUTOOL C701 EV Charger offers multiple ways to initiate and manage your charging sessions.

Using the Touchscreen Display:

The charger features a 4.3-inch touchscreen display for direct control and monitoring.

- **Start/Stop Charging:** Use the "Start/Stop" button on the display to begin or end a charging session.
- **Scheduled Charging:** Access the "Scheduled Charging" option to set specific times for charging, ideal for utilizing off-peak electricity rates.
- **Current Setting:** Navigate to "Settings" to adjust the charging current (10A, 14A, 16A, 25A, 32A) based on your vehicle's requirements or power availability.
- **Monitoring:** The display shows real-time charging duration, charged capacity (kWh and km), current (A), voltage (V), power (kW), and internal temperature (°C).



Image: The charger's touchscreen display showing various charging parameters.

App Smart Control (Bluetooth & Wi-Fi):

For enhanced control and monitoring, download the AUTOOL app on your smartphone. The app connects via Bluetooth or Wi-Fi.

- **Pairing:** Follow the app's instructions to pair your smartphone with the charger.
- **Remote Control:** Start or stop charging remotely, adjust charging parameters, and monitor the charging process from your phone.
- **Data Tracking:** View charging history, costs, and receive notifications.
- **OTA Updates:** The app facilitates over-the-air firmware updates for the charger.

IC Card Unlocking (Optional):

If enabled, the IC card function provides an additional layer of security, preventing unauthorized use of the charger. Simply swipe the registered IC card over the designated area to unlock and initiate charging.

Charging Process:

1. Ensure the EV charger is properly installed and powered on.
2. Open your electric vehicle's charging port.
3. Take the charging gun from its holder and firmly insert it into your vehicle's charging port. Ensure a secure connection.
4. If using an IC card, swipe it to unlock. If using the app, initiate charging from the app. Otherwise, use the touchscreen to start.
5. The charger display and/or app will indicate that charging has begun.
6. Once charging is complete, or you wish to stop, use the app, IC card, or touchscreen to end the session.
7. Carefully remove the charging gun from your vehicle and return it to its holder on the charger. Close your vehicle's charging port.

Your browser does not support the video tag.

Video: Demonstration of the AUTOOL C701 EV Charger in operation, including connecting to a vehicle, using the touchscreen, and app control features.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your AUTOOL EV Charger.

- **Cleaning:** Regularly wipe down the charger's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the charging gun and cable are free from dirt and debris.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of wear, cuts, fraying, or damage. If any damage is observed, discontinue use immediately and contact customer support.
- **Connection Points:** Ensure all electrical connections remain secure. If you notice any loose connections or unusual smells, contact a qualified electrician.
- **Software Updates:** Keep the charger's firmware updated via the mobile app to ensure optimal performance and access to new features.
- **Environmental Protection:** While the charger is IP66 rated for outdoor use, avoid prolonged exposure to extreme weather conditions if possible. Ensure the unit is not submerged in water.

8. TROUBLESHOOTING

If you encounter issues with your AUTOOL EV Charger, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Charger not powering on.	No power supply; circuit breaker tripped.	Check the main power supply and ensure the circuit breaker is in the ON position. Consult an electrician if issues persist.
Charging not starting.	Charging gun not fully inserted; IC card not recognized; scheduled charging active; vehicle not ready to charge.	Ensure the charging gun is securely connected. Re-swipe the IC card. Check scheduled charging settings. Verify your vehicle is ready to accept charge.
Slow charging speed.	Current setting too low; vehicle limitation.	Adjust the current setting on the charger's display or app to a higher amperage (e.g., 32A). Check your vehicle's charging specifications.
App connectivity issues.	Bluetooth/Wi-Fi off; poor signal; app not updated.	Ensure Bluetooth/Wi-Fi is enabled on your phone and the charger. Move closer to the charger for better signal. Update the app to the latest version.
Error message on display.	Internal fault; external issue (e.g., overcurrent).	Note the error code/message and refer to the full user manual (if available) or contact AUTOOL customer support for assistance.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact AUTOOL customer support.

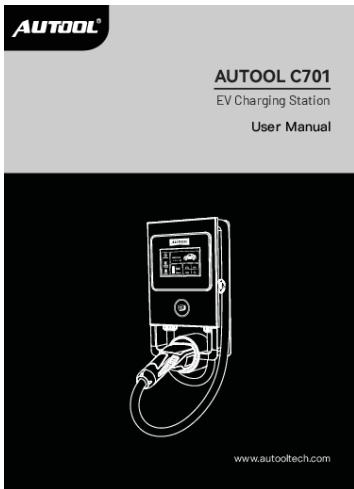
9. WARRANTY AND SUPPORT

The AUTOOL C701 EV Charger comes with a **Three Years Warranty**. This warranty covers any quality problems or defects with the product.

If your C701 unit has any defect, AUTOOL will provide a new replacement or suitable solutions to ensure customer satisfaction without delay. Lifetime technical support is also provided.

For any needs or inquiries, you are warmly welcomed to contact AUTOOL customer support. They aim to respond within 12 hours.

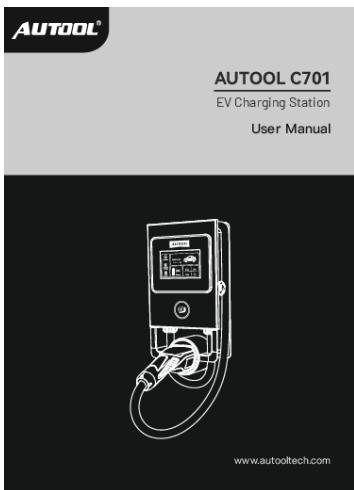
Please refer to your purchase documentation for specific contact details or visit the official AUTOOL website for support information.



[AUTOOL C701 EV Charging Station User Manual](#)

Comprehensive user manual for the AUTOOL C701 EV Charging Station, detailing installation, operation, safety guidelines, and technical specifications for electric vehicle charging.

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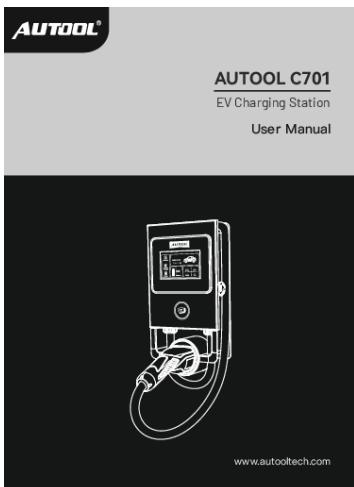
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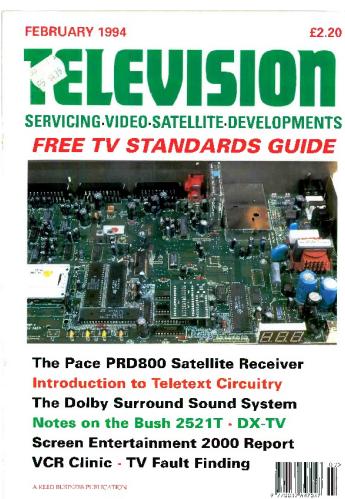


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