Manuals+

Q & A | Deep Search | Upload

manuals.plus /
› **ELEGRP** /
› **ELEGRP USB Wall Outlet Receptacle with Dual 4.0A USB Ports (Model R1615D40) - Instruction Manual**

ELEGRP R1615D40

ELEGRP USB Wall Outlet Receptacle with Dual 4.0A USB Ports (Model R1615D40) - Instruction Manual

Model: R1615D40

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your ELEGRP USB Wall Outlet Receptacle. This device features dual 4.0A USB ports and a 15 Amp duplex tamper-resistant AC receptacle, designed to provide convenient charging for your electronic devices while maintaining electrical safety.
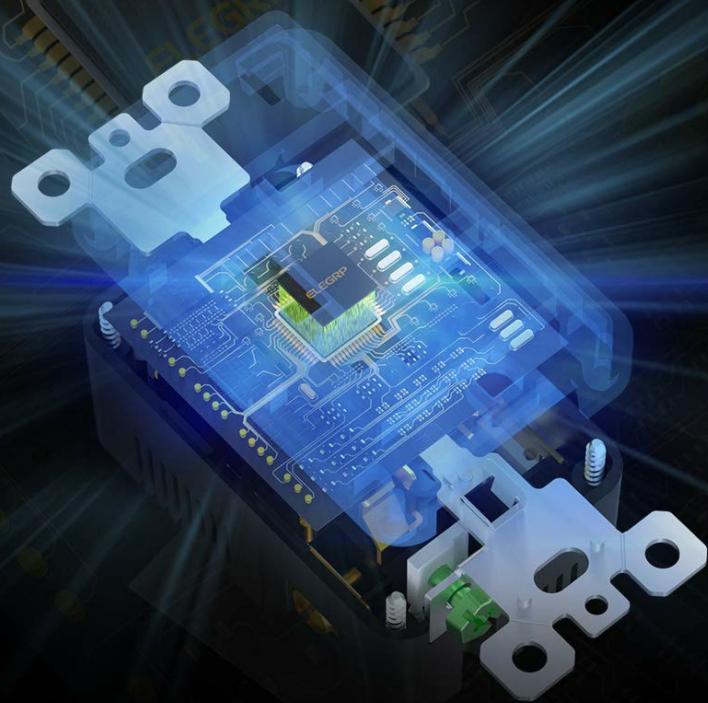
Figure 1: Front view of the ELEGRP USB Wall Outlet Receptacle.

2. SAFETY INFORMATION

WARNING: To avoid fire, shock, or death, turn off power at the circuit breaker or fuse and test that the power is off before wiring. Installation should be performed by a qualified electrician or a knowledgeable individual following all local and national electrical codes.

- Always disconnect power at the circuit breaker before installation or servicing.
- Do not use if the product appears damaged.
- Ensure all wire connections are secure and properly insulated.
- This device is intended for indoor use only.
- Do not exceed the specified electrical ratings of the device.
- Tamper-resistant shutters are designed to prevent foreign objects from being inserted into the outlets.

Figure 2: Safety features of the ELEGRP USB Wall Outlet, including universal compatibility, flame-resistant material, UL/cUL listing, FCC certification, and tamper-resistant shutters.

3. What's in the Box

Your package should contain the following items:

- 1 x ELEGRP USB Wall Outlet Receptacle
- 1 x Screwless Wall Plate
- 1 x Installation Instruction Manual (this document)

Figure 3: Contents of the ELEGRP USB Wall Outlet package, showing the outlet and its box.

4. TOOLS NEEDED FOR INSTALLATION

The following tools are recommended for a safe and successful installation:

- Voltage Tester (Non-contact recommended)
- Screwdriver (Phillips and Flathead)
- Electrical Tape
- Wire Strippers (if needed for wire preparation)

5. SETUP & INSTALLATION

Follow these steps carefully to install your new USB wall outlet. If you are unsure about any step, consult a qualified electrician.

5.1. Preparation

1. **Turn Off Power:** Locate your circuit breaker panel and turn off the power to the outlet you will be replacing.
2. **Verify Power is Off:** Use a voltage tester to confirm that the power is completely off at the outlet.
3. **Remove Old Outlet:** Unscrew and carefully remove the existing wall plate and outlet from the electrical box.

5.2. Wiring the New Outlet

The ELEGRP USB Wall Outlet supports both side wiring and back wiring. All screws are pre-loosened for convenience.

4. **Identify Wires:** Identify the hot (usually black), neutral (usually white), and ground (bare copper or green) wires from your electrical box.
5. **Strip Wires (if necessary):** If the existing wires are not stripped to the appropriate length (typically 1/2 inch), use wire strippers to expose the copper conductor. The back of the outlet may have a strip gauge.
6. **Connect Wires:**

   - Connect the **hot wire (black)** to the brass-colored screw terminal.
   - Connect the **neutral wire (white)** to the silver-colored screw terminal.
   - Connect the **ground wire (bare copper or green)** to the green screw terminal.

Ensure wires are securely wrapped around the screws in a clockwise direction and tightened firmly. For back wiring, insert the stripped wire into the appropriate hole and tighten the screw.

HIGH SPEED CHARGING TECHNOLOGY

*This data comes from ELE's laboratory tests.Does not support Qualcomm Quick Charge.

iPhone X

ELE Smart Chip	≤2.5h
Standard 1 Amp	3.5h

Galaxy S8

ELE Smart Chip	≤2.5h
Standard 1 Amp	3.5h

iPad Pro 9.7 X2

ELE Smart Chip	≤3.5h
Standard 1 Amp	4.2h

Figure 4: Back view of the ELEGRP USB Wall Outlet, illustrating the wiring terminals for hot, neutral, and ground connections.

5.3. Finalizing Installation

7. **Mount the Outlet:** Carefully push the wired outlet back into the electrical box. Secure it with the mounting screws provided.

8. **Attach Wall Plate:** Install the screwless wall plate over the outlet.

9. **Restore Power:** Return to your circuit breaker panel and turn the power back on.

10. **Test the Outlet:** Verify that both the AC receptacles and USB ports are functioning correctly.

5.4. Installation Video Guide

For a visual guide on the installation process, please watch the official ELEGRP installation video:

Your browser does not support the video tag.

Video 1: ELEGRP USB Wall Outlet Installation Instruction. This video demonstrates the step-by-step process of installing the ELEGRP USB wall outlet, including safety precautions, wiring, and final mounting.

6. OPERATION

The ELEGRP USB Wall Outlet provides convenient power and charging options:

- **AC Receptacles:** Use the two standard 15 Amp AC outlets for powering appliances and devices requiring 125V AC. These are tamper-resistant for safety.
- **USB Charging Ports:** The dual USB ports provide a total output of 4.0 Amp (2.0A standalone) at 5V DC. They feature a dedicated charging port controller that automatically identifies and optimizes the charging current for connected devices, ensuring stable and faster charging.
- **Universal Compatibility:** The USB ports are compatible with a wide range of devices, including smartphones (iPhone, Samsung Galaxy/Note, Android), tablets (iPad), e-readers, game systems, headsets, and digital cameras.

Figure 5: Illustration of the high-speed charging technology, showing faster charging times compared to standard 1 Amp chargers.

Figure 6: Diagram highlighting the built-in smart chip that automatically identifies and optimizes charging current for electronic devices, along with various protection features.

7. MAINTENANCE

The ELEGRP USB Wall Outlet requires minimal maintenance. Follow these guidelines to ensure longevity and safe operation:

- **Cleaning:** Clean the surface of the outlet and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Periodically inspect the outlet for any signs of damage, such as cracks, discoloration, or loose connections. If any damage is found, turn off power at the circuit breaker and have the outlet inspected and replaced by a qualified electrician.
- **Overload Protection:** The smart chip provides overcurrent protection. If a device draws too much power, the charging port may temporarily shut down to prevent damage. Disconnect the device and try again.

8. TROUBLESHOOTING

If you encounter issues with your ELEGRP USB Wall Outlet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power from AC outlets or USB ports.	Circuit breaker tripped; loose wiring; faulty outlet.	Check and reset the circuit breaker. Verify wiring connections (with power off). If problem persists, replace the outlet.
USB devices not charging or charging slowly.	Device requires more power than available; faulty USB cable; device incompatibility.	Ensure device is compatible. Try a different USB cable. Disconnect other devices to allow full 2.0A standalone output.
Outlet feels warm.	Normal operation under load; excessive load.	A slight warmth is normal. If it feels excessively hot, disconnect devices and consult an electrician to check for overloading or wiring issues.

9. SPECIFICATIONS

Feature	Detail
Model Number	R1615D40
AC Receptacle Rating	15 Amp, 125V AC, 60Hz
USB Output	Dual 4.0A (2.0A standalone), 5V DC
Product Dimensions	4.57 x 1.93 x 2.8 inches
Item Weight	5.9 ounces
Material	Polycarbonate Thermoplastic
Color (for this variant)	Black
Certifications	UL Listed, FCC Certified
Features	Tamper Resistant, Built-in Smart Chip, Overvoltage Protection, Overheating Protection, Undervoltage Protection, Overload Protection, Overcurrent Protection, Short Circuit Protection

ELEGRP

2.69inch/68.4mm

1.69inch/43mm

1.36inch/34.6mm

2.75inch/70mm

4.5inch/115mm
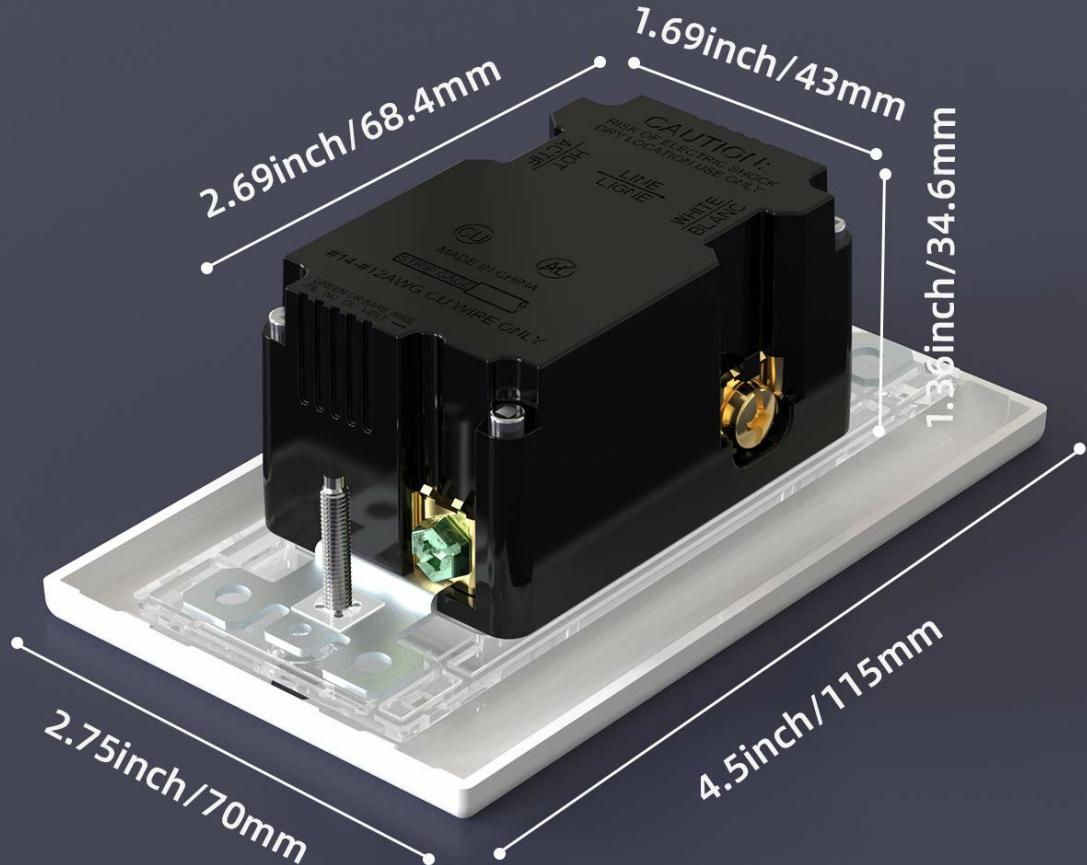
Fits in standard wall plates and electrical wall box

Figure 7: Detailed dimensions of the ELEGRP USB Wall Outlet, showing its compact design suitable for standard wall boxes.

10. WARRANTY & SUPPORT

ELEGRP products are designed for quality and reliability. For specific warranty information and customer support, please refer to the documentation included with your product or visit the official ELEGRP website.

Manufacturer: ELE GROUP

For further assistance, please contact ELEGRP customer service.