ELEGRP R1615D42-WH

ELEGRP 15 Amp USB Wall Outlet with Type A & Type C Ports Instruction Manual

Model: R1615D42-WH

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your ELEGRP 15 Amp USB Wall Outlet. Please read this manual thoroughly before installation and retain it for future reference.

The ELEGRP USB Wall Outlet is designed to provide both standard AC power receptacles and convenient USB charging ports (Type A and Type C) in a single unit. It features tamper-resistant shutters for safety and a dedicated charging port controller for optimized device charging.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK OR FIRE. IMPROPER INSTALLATION CAN RESULT IN SERIOUS INJURY OR DEATH.

- Installation must be performed by a qualified electrician or a knowledgeable person in accordance with all national and local electrical codes.
- Turn off power at the circuit breaker or fuse box before installing or servicing the outlet.
- Use only copper wire. Do not use with aluminum wire.
- Ensure all wire connections are secure.
- Do not exceed the electrical ratings of the device.
- This device is for indoor use only.

3. PACKAGE CONTENTS

- ELEGRP 15 Amp USB Wall Outlet (Quantity as purchased)
- Matching Wall Plate
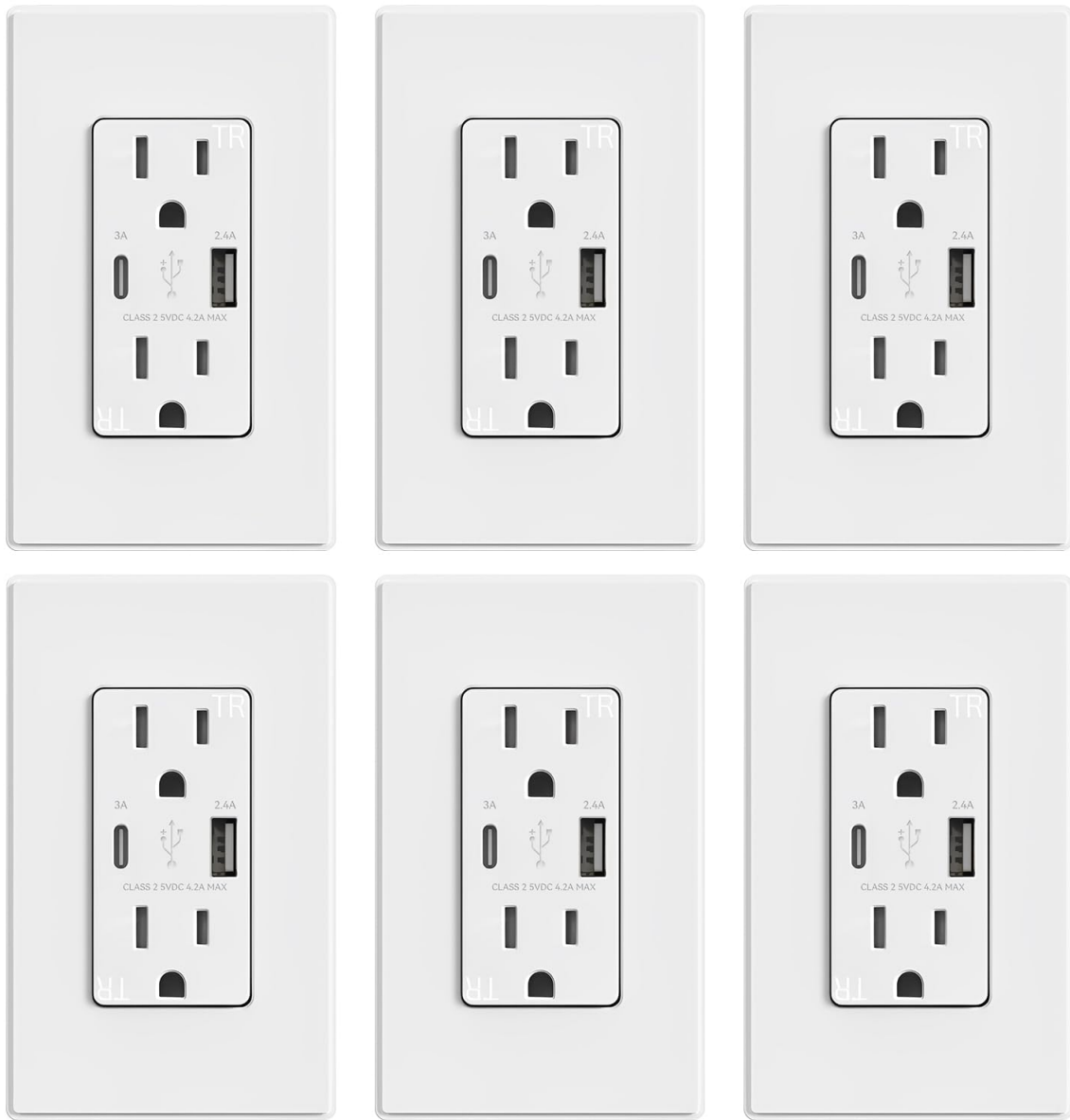- Mounting Screws
- Instruction Manual

Image: Multiple ELEGRP 15 Amp USB Wall Outlets, showing the product as packaged.

4. SPECIFICATIONS

Feature	Detail
Receptacle Rating	15 Amp, 125 Volt AC
Receptacle Type	NEMA 5-15R
USB Rating (Total)	5 Volt DC, 4.2 Amp
USB Type A Output	5 Volt DC, 2.4 Amp (Maximum)
USB Type C Output	5 Volt DC, 3.0 Amp (Maximum)
Wire Gauge Compatibility	#14 - #12 AWG Copper Wire
Wiring Type	Side Wiring and Back Wiring
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Product Dimensions	4.17"L x 1.69"W x 1.65"D (106x43x42mm)

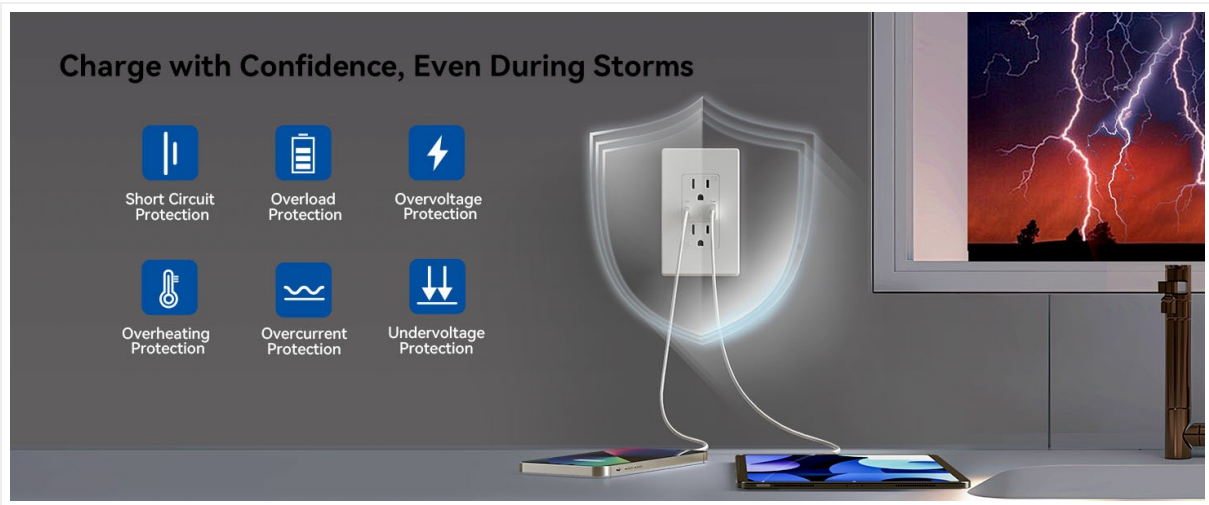| Material	Polycarbonate Thermoplastic
Certifications	UL Listed

Image: Diagram showing the physical dimensions and a summary of product specifications.

5. INSTALLATION (SETUP)

1. **Turn Off Power:** Locate the circuit breaker or fuse box controlling the outlet you intend to replace. Turn off the power to that circuit. Verify power is off using a voltage tester.

2. **Remove Old Outlet:** Unscrew and carefully remove the existing wall plate and outlet from the electrical box. Disconnect the wires from the old outlet, noting which wire connects to which terminal (hot, neutral, ground).

3. **Prepare Wires:** If necessary, strip approximately 1/2 inch (12.7 mm) of insulation from the ends of the wires. Ensure wires are straight and free of nicks.

4. **Connect Wires:** The ELEGRP USB Wall Outlet supports both side wiring and back wiring.
   - **Green Screw:** Connect the bare copper or green insulated ground wire to the green screw terminal.
   - **Silver Screw:** Connect the white (neutral) wire to the silver screw terminal.
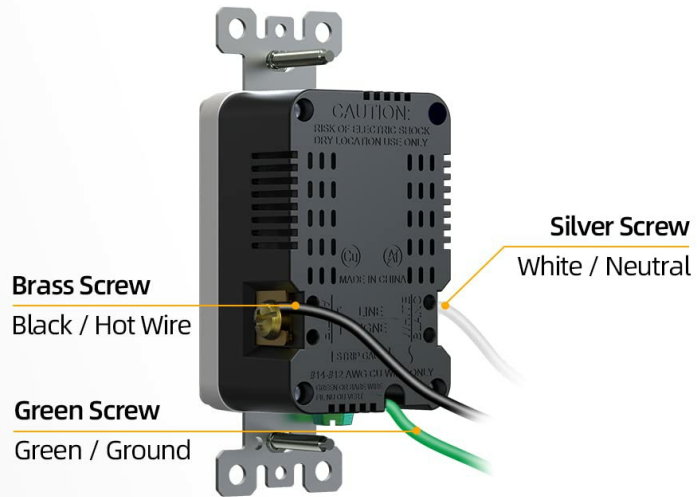   - **Brass Screw:** Connect the black (hot) wire to the brass screw terminal.

   Note: All screws are pre-loosened for easier installation.

5. **Mount New Outlet:** Carefully fold the wires into the electrical box. Insert the new ELEGRP USB Wall Outlet into the box and secure it with the provided mounting screws.

6. **Install Wall Plate:** Attach the new wall plate over the installed outlet.

7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

8. **Test Outlet:** Test both the AC receptacles and the USB ports to ensure proper functionality.

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SIDE WIRE
12AWG &14AWG

Brass Screw
Black / Hot Wire

Silver Screw
White / Neutral

Green Screw
Green / Ground

Provide
2
Wiring Options

BACK WIRE
12AWG &14AWG

Brass Screw
Black / Hot Wire

Silver Screw
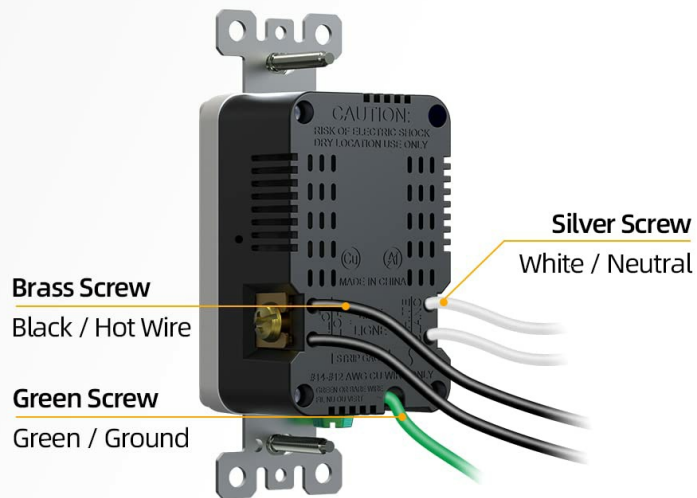White / Neutral

Green Screw
Green / Ground

Image: Detailed wiring diagrams for both side and back wire connections.

6. OPERATING INSTRUCTIONS

6.1 AC Receptacles

- Insert standard two-prong or three-prong plugs into the AC outlets.
- The tamper-resistant shutters prevent foreign objects from being inserted into the slots, enhancing safety, especially for children.

6.2 USB Charging Ports

- Connect your USB-powered devices (e.g., smartphones, tablets, e-readers) to the Type A or Type C USB ports using appropriate charging cables.
- The integrated USB Dedicated Charging Port Controller automatically identifies your device's power requirements and delivers optimal charging current for stable and fast charging.
- The total output for both USB ports is 4.2 Amps at 5V DC. When used individually, the Type C port can provide up to 3.0 Amps, and the Type A port up to 2.4 Amps.

Image: A smartphone connected to the USB Type C port of the outlet, illustrating charging speed.

Image: A visual representation of various devices compatible with the USB charging ports.

7. MAINTENANCE

- **Cleaning:** Ensure power is off before cleaning. Wipe the surface of the outlet and wall plate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the outlet for any signs of damage, such as cracks, discoloration, or loose connections. If damage is observed, turn off power and have the outlet inspected and replaced by a qualified electrician.
- **Heat Management:** The outlet is designed with advanced heat management to ensure cooler and safer operation. Avoid covering the outlet or obstructing airflow around it.
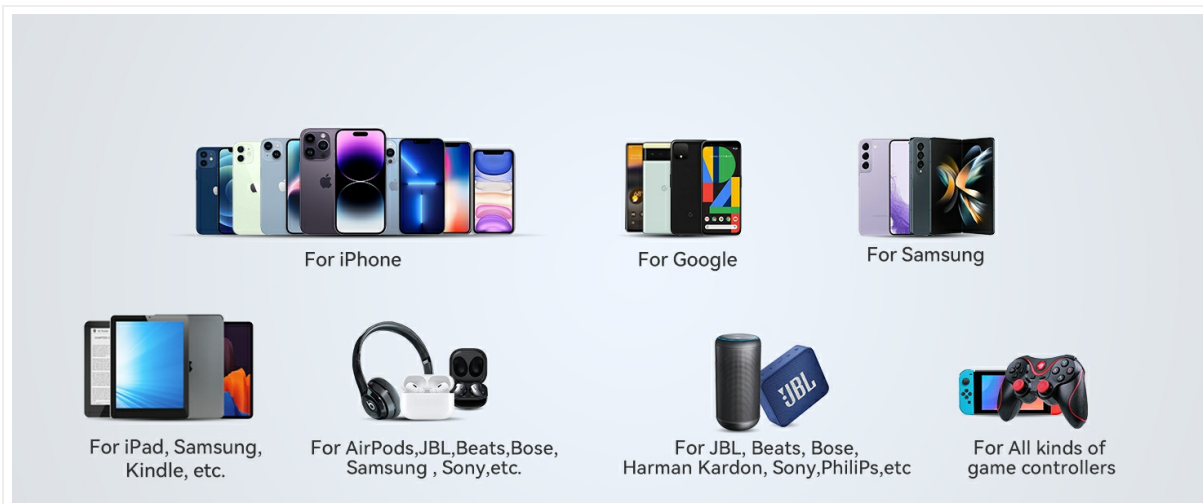
For iPhone   For Google   For Samsung

For iPad, Samsung, Kindle, etc.   For AirPods,JBL,Beats,Bose, Samsung , Sony,etc.   For JBL, Beats, Bose, Harman Kardon, Sony,PhiliPs,etc   For All kinds of game controllers

Image: A comparison illustrating the superior heat management of the ELEGRP outlet compared to other models.

8. TROUBLESHOOTING

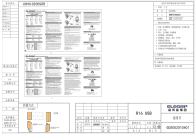- **No Power to Outlet/USB Ports:**
  - Check the circuit breaker or fuse box to ensure the power is on.
  - Verify that the wiring connections are secure and correct (refer to Section 5).
  - Ensure the device is properly plugged into the AC receptacle or USB port.

- **Slow USB Charging:**
  - Ensure your device and cable are compatible with fast charging.
  - If multiple devices are charging simultaneously, the total current is shared, which may reduce individual charging speeds.
  - Verify the USB cable is not damaged.

- **Device Not Recognized by USB Port:**
  - Try a different USB cable.
  - Test with a different device to isolate the issue.

9. WARRANTY AND SUPPORT

ELEGRP products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included with your purchase or contact ELEGRP customer service directly.

Contact Information: Please visit the official ELEGRP website or refer to your product packaging for the most current contact details.

Related Documents - R1615D42-WH

	[ELEGRP Combination Receptacle and USB Charger Installation Guide](#) Detailed installation instructions and specifications for the ELEGRP Combination Receptacle and USB Charger, including features, wiring diagrams, compatibility, and safety warnings.
	[ELEGRP R16 USB Combination Receptacle and Charger Installation Guide](#) Installation instructions, specifications, and safety warnings for the ELEGRP R16 USB combination receptacle and charger. Features dual USB ports, standard outlet, and easy wiring. Includes warranty and FCC compliance.
	[Combination Receptacle / USB Charger Installation Instructions](#) Installation instructions for the Combination Receptacle / USB Charger, detailing features, specifications, compatibility, and wiring diagrams. Includes safety warnings and cautions.
	[ELEGRP Smart Dimmer Light Switch Installation Guide](#) This document provides installation instructions for the ELEGRP Smart Dimmer Light Switch, covering single-pole and 3-way configurations. It details wiring, setup, and compatibility with smart home assistants like Alexa and Google Assistant.
	[ELEGRP Smart Home Device User Manual: Connecting Apps and Devices](#) Comprehensive user manual for ELEGRP smart home devices, detailing how to download the ELEGRP HOME app, connect devices via Wi-Fi (2.4GHz only), and integrate with Amazon Alexa and Google Assistant.
	[ELEGRP Occupancy and Vacancy Sensor Product Bulletin](#) Product bulletin for ELEGRP's Occupancy & Vacancy Sensor, detailing features, benefits, and specifications for both occupancy and vacancy sensor models.