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BESTTEN BAA-015

BESTTEN 24W USB Wall Outlet (Model BAA-015) Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your BESTTEN 24W USB Wall Outlet, Model BAA-015. This device integrates a standard 15 Amp electrical outlet with both Type C and Type A USB charging ports, offering a total output of 4.8A (5VDC, 24W). It is designed for convenient charging of various electronic devices while maintaining a clean aesthetic with its screwless wallplate.

Image 1.1: Overview of the BESTTEN 24W USB Wall Outlet.

2. Safety Information

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or property damage.

- **UL/cUL Listed:** This product is UL/cUL Listed, ensuring it meets recognized safety standards.
- **Tamper-Resistant (TR) Shutters:** The outlet features tamper-resistant shutters to prevent foreign objects from being inserted, enhancing electrical safety, especially in homes with children.
- **Material:** Constructed from fire and impact-resistant polycarbonate thermoplastic material for enhanced durability and safety.
- **Cautions during Installation:**
  - Always turn off power at the circuit breaker before installation.
  - Do not unscrew the terminal screws too far or with excessive force.
  - Do not use power tools to loosen or tighten terminal screws.
  - The USB receptacle can only be wired to one circuit.
  - This USB outlet cannot charge laptops.

Image 2.1: Tamper-Resistant feature for enhanced safety.

Image 2.2: Multiple safety protections integrated into the outlet.

3. Package Contents

Verify that all components are present before beginning installation:

- USB Outlets (quantity as per pack)
- Screwless Wallplates
- Mounting Screws

4. Specifications

Feature	Specification
Model Number	BAA-015
USB Rating	Two USB Ports with 4.8 Amp, 5VDC (24W total)
AC Outlet Rating	15 Amp, 125VAC
Wire Terminals	#14 - #12 AWG for Side, #14 AWG for Back
Operating Temperature	-4 to 140°F (-20 to 60°C)
USB Compatibility	USB 1.1/2.0/3.0 Devices, including Apple Products (excluding laptops)
Certification	UL/cUL Listed
Material	Polycarbonate (PC)
Product Dimensions	4.69"L x 2.91"W x 1.75"D (11.91cm x 7.39cm x 4.45cm)
Item Weight	6.3 ounces

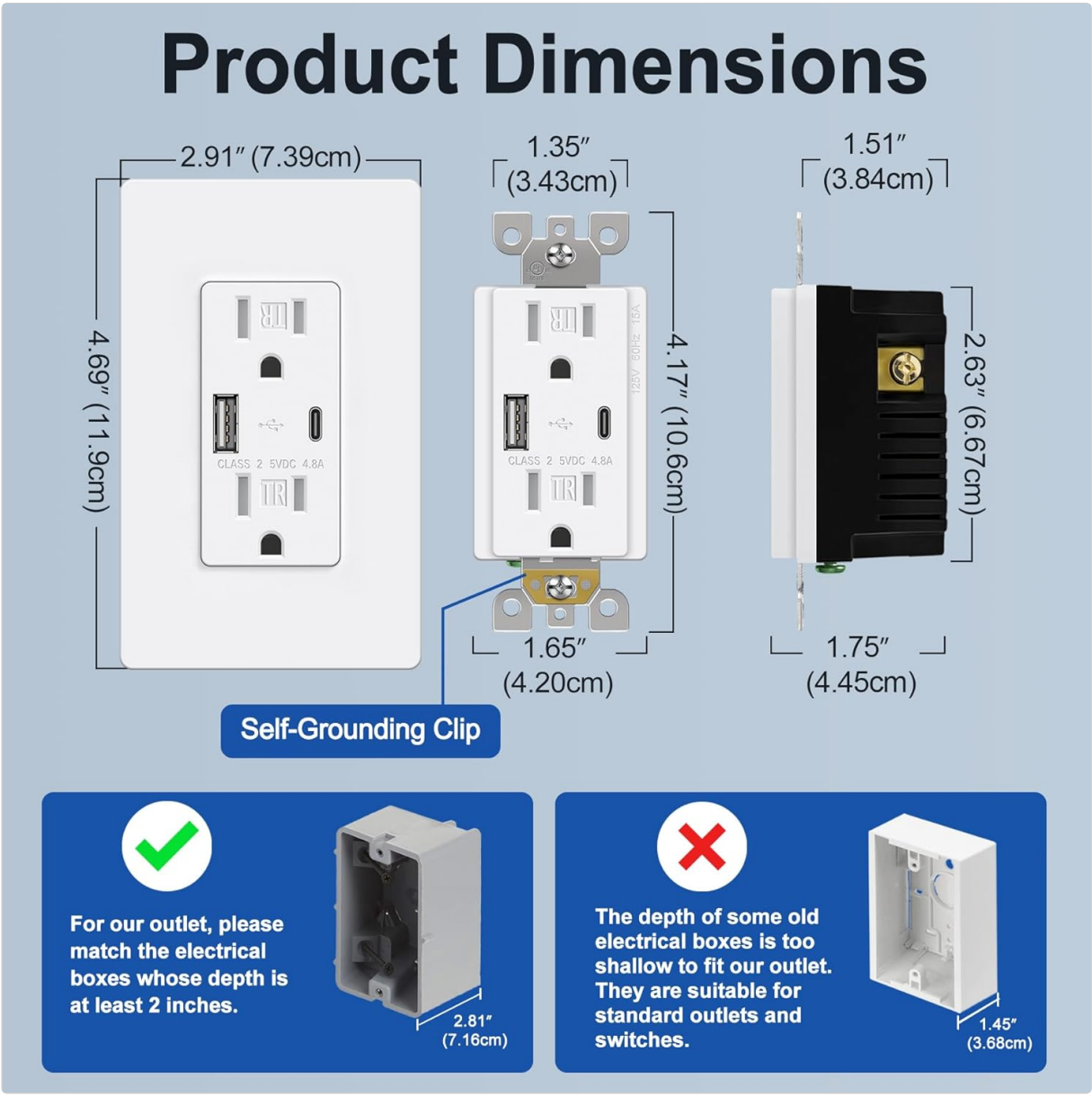

Image 4.1: Product dimensions and electrical box depth requirement.

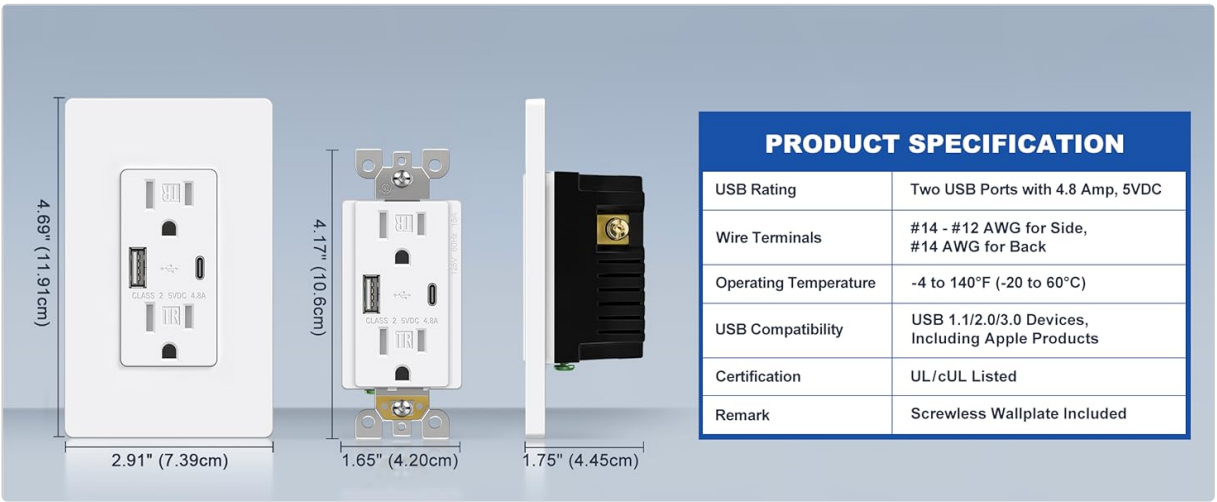

Image 4.2: Comprehensive product specifications and dimensions.

5. Setup (Installation)

Installation should be performed by a qualified electrician or a knowledgeable individual following all local electrical codes and safety guidelines. Always ensure power is OFF at the circuit breaker before starting.

Wiring Instructions

The outlet supports both back and side wiring options.

Image 5.1: Wiring diagram and installation steps.

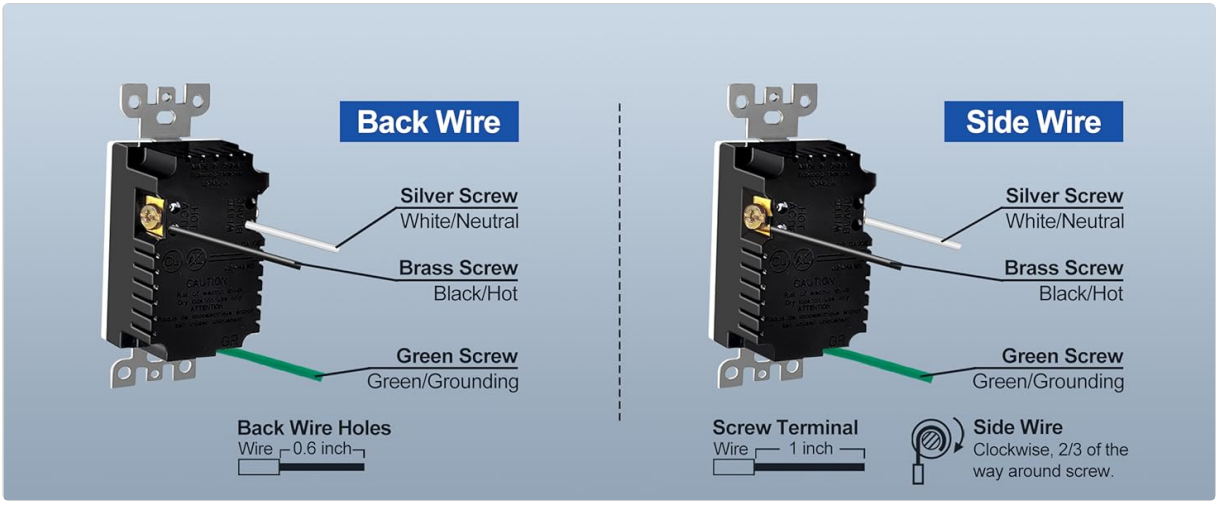

Image 5.2: Back wire vs. Side wire connection methods.

Steps for Back Wiring:

1. Gently loosen the screw holding it against the terminal.
2. Press the screw, insert the bare wire into the terminal hole.
3. Tighten the terminal screw to 12-14 in-lbs.

Steps for Side Wiring:

1. Strip approximately 1 inch of insulation from the wire.
2. Wrap the wire clockwise around the screw terminal, ensuring 2/3 of the way around.
3. Tighten the terminal screw securely.

Important Cautions:

- Ensure the electrical box depth is at least 2 inches for proper fitment.
- Connect the Black/Hot wire to the Brass screw, White/Neutral wire to the Silver screw, and Green/Ground wire to the Green screw.
- After wiring, carefully push the outlet into the electrical box and secure it with mounting screws.
- Attach the screwless wallplate by snapping it into place.
- Restore power at the circuit breaker.

6. Operating Instructions

Once installed and power is restored, the BESTTEN USB Wall Outlet is ready for use.

- **AC Outlets:** Plug standard electrical devices into the two 15 Amp AC receptacles.
- **USB Charging Ports:** Use the Type C or Type A USB ports to charge compatible electronic devices. The total output for both USB ports is 4.8A (5VDC, 24W).
- **Simultaneous Charging:** You can charge two USB devices simultaneously without needing adapters, while still having access to the two AC outlets.
- **Compatibility:** Compatible with a wide range of electronic devices including smartphones, tablets, e-readers, digital cameras, and MP3 players. **Note: This USB outlet cannot charge laptops.**

Image 6.1: High-speed charging with Type C and Type A USB ports.

Image 6.2: Wide compatibility with various electronic devices.

7. Maintenance

The BESTTEN USB Wall Outlet requires minimal maintenance.

- **Cleaning:** To clean the surface, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Periodically inspect the outlet and wallplate for any signs of damage, wear, or loose connections. If any issues are found, turn off power at the breaker and consult a qualified electrician.

8. Troubleshooting

If you encounter issues with your USB wall outlet, refer to the following table:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power from AC outlets	Circuit breaker tripped; Loose wiring connection	Check and reset the circuit breaker. Verify wiring connections are secure (power off first).
USB ports not charging	Device incompatibility; Faulty USB cable; USB ports failed; Overload	Ensure device is compatible (not a laptop). Try a different USB cable. Reduce number of devices charging. If USB ports fail after extended use, replacement may be necessary.
Device charging slowly	High power demand from multiple devices; Faulty USB cable	Ensure total USB current draw does not exceed 4.8A. Try a different, high-quality USB cable.
Wallplate does not fit flush	Electrical box too shallow; Obstruction	Ensure electrical box depth is at least 2 inches. Check for any wires or debris obstructing the fit.

9. Warranty and Support

This BESTTEN product is backed by a standard return policy, typically 30 days from the date of purchase for refund or replacement, as per retailer terms. For specific warranty details and duration, please refer to the product packaging or contact BESTTEN customer support.

For technical assistance or further inquiries, please visit the official BESTTEN website or contact their customer service department. Keep your purchase receipt for warranty claims.

Contact Information:
Please refer to the BESTTEN official website for the most current customer support contact details.