



[Manuals.plus](#) /

› [Leviton](#) /

› Leviton 5801-I Single Receptacle Instruction Manual

Leviton 5801-I

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Model: 5801-I

INTRODUCTION

This manual provides comprehensive instructions for the safe installation, operation, and maintenance of the Leviton 5801-I Single Receptacle. This commercial-grade, straight blade, grounding receptacle is designed for 20 Amp, 125 Volt applications, featuring a NEMA 5-20R configuration with 2 poles and 3 wires, and is side-wired for secure connections. Please read this manual thoroughly before beginning installation or use to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

WARNING: To avoid fire, shock, or death; turn off power at circuit breaker or fuse box and test that power is off before wiring! This device must be installed in accordance with all national and local electrical codes.

- Always disconnect power at the main service panel before working with electrical wiring.
- Use only copper or copper-clad wire. Do not use aluminum wire with this device.
- Ensure all wire connections are tight and secure. Loose connections can cause overheating and fire.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Do not install in wet locations unless specifically rated for such use.
- This device is for indoor use only.

SETUP AND INSTALLATION

Tools Required:

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers
- Electrical Tape (optional)
- Voltage Tester

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse that controls the power to the outlet you are working on. Turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Receptacle (if applicable):** Carefully remove the wall plate and unscrew the old receptacle from the electrical box. Disconnect the wires, noting which wire was connected to which terminal.
3. **Prepare Wires:** Strip approximately 1/2 inch (12.7 mm) of insulation from the end of each wire. Ensure the wire ends are clean and straight.
4. **Wire Connections:** The Leviton 5801-I is a side-wired receptacle. Connect wires as follows:
 - **Green or Bare Copper Wire:** Connect to the green grounding screw.
 - **White (Neutral) Wire:** Connect to the silver terminal screws.
 - **Black (Hot) Wire:** Connect to the brass terminal screws.

Ensure wires are securely wrapped clockwise around the terminal screws and tightened firmly.

5. **Mount Receptacle:** Carefully fold the wires into the electrical box. Secure the receptacle to the electrical box using the mounting screws provided.
6. **Install Wall Plate:** Attach the decorative wall plate over the receptacle.
7. **Restore Power:** Turn the power back ON at the circuit breaker or fuse box. Test the receptacle to ensure it is functioning correctly.





Image: Front view of the Leviton 5801-I Single Receptacle, showing the NEMA 5-20R configuration, ivory color, and mounting straps. The 20A 125V rating is visible on the face.

OPERATING INSTRUCTIONS

The Leviton 5801-I Single Receptacle is designed for straightforward operation. Once properly installed and powered, it functions as a standard electrical outlet for compatible 20 Amp, 125 Volt devices with a NEMA 5-20P plug.

- Insert the plug of your electrical device firmly into the receptacle.
- Ensure the plug is fully seated to establish a secure connection.
- To remove, grasp the plug and pull it straight out from the receptacle. Avoid pulling by the cord.

Note: This receptacle is designed for a single plug connection at a time.

MAINTENANCE

The Leviton 5801-I Single Receptacle requires minimal maintenance. Regular inspection and cleaning will help ensure its longevity and safe operation.

- **Cleaning:** Periodically wipe the surface of the receptacle and wall plate with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure the power is off and the surface is completely dry before restoring power. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the receptacle for any signs of damage, such as cracks, discoloration, or loose

connections. If any damage is observed, turn off power and replace the receptacle immediately.

- **Loose Connections:** If the receptacle feels loose in the wall, turn off power and gently tighten the mounting screws. Do not overtighten.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power at the receptacle.	Circuit breaker tripped or fuse blown. Loose wire connection.	Check and reset the circuit breaker or replace the fuse. Turn off power and check wire connections at the receptacle and in the electrical box. Tighten if necessary.
Receptacle feels hot to the touch.	Overload or loose connection.	Immediately unplug devices and turn off power. Check for loose wiring. Ensure the connected device does not exceed the receptacle's 20A rating. If the problem persists, consult a qualified electrician.
Plug does not fit or is loose.	Incorrect plug type (not NEMA 5-20P). Worn receptacle contacts.	Ensure the plug is a NEMA 5-20P type. Do not force plugs. If contacts are worn, turn off power and replace the receptacle.

If troubleshooting steps do not resolve the issue, or if you are unsure about performing any electrical work, contact a qualified electrician.

SPECIFICATIONS

Attribute	Detail
Model Number	5801-I
Brand	Leviton
Type	Single Receptacle, Straight Blade, Grounding
NEMA Configuration	5-20R
Amperage Capacity	20 Amps
Voltage	125 Volts
Poles / Wires	2 Pole, 3 Wire
Wiring Method	Side Wired
Grade	Commercial Grade
Material	Steel (Strap)
Color	Ivory

Attribute	Detail
Item Weight	0.01 ounces
Package Dimensions	9.5 x 9.5 x 2 inches (for 10-pack)
Certification	NEMA

WARRANTY AND SUPPORT

Leviton products are manufactured to the highest quality standards. For specific warranty information regarding your Leviton 5801-I Single Receptacle, please refer to the documentation included with your purchase or visit the official Leviton website.

For technical support, product inquiries, or assistance with installation, please contact Leviton Customer Service:

- **Website:** www.leviton.com
- **Phone:** Refer to the Leviton website for regional contact numbers.

When contacting support, please have your product model number (5801-I) and purchase details ready.