Moen 169031

Moen 169031 AC Adapter Service Kit User Manual

For Moen Kitchen Faucets with MotionSense

Introduction

The Moen AC Adapter Service Kit for MotionSense (Model 169031) provides an alternative power source for your Moen MotionSense kitchen faucet. This kit allows you to connect your faucet directly to a power outlet, ensuring continuous operation without relying solely on battery power. It includes an AC power adapter and a power splitter, enabling the use of both AC power and the existing battery pack for backup during power outages. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting.

Product Components



Image: The Moen 169031 AC Adapter Service Kit, showing the AC adapter (right) and the power splitter module (left) with indicator lights and connection ports.

Image: A top-down view of the Moen AC Adapter and the power splitter module, highlighting the indicator lights for AC power, battery status, and connection issues.

The Moen 169031 kit includes two primary components:

- **AC Adapter:** This unit plugs into a standard electrical outlet and converts household current to the appropriate voltage for your faucet.
- **Power Splitter:** This module connects to both the AC adapter and your faucet's existing battery pack, allowing for seamless switching between AC power and battery backup. It features indicator lights for power status.

Setup and Installation

Installation of the Moen 169031 AC Adapter Service Kit is designed to be straightforward. Follow these steps to connect your MotionSense faucet to AC power:

1. **Locate the Faucet Control Box:** Identify the control box for your Moen MotionSense faucet, typically located under the sink.
2. **Disconnect Battery Pack (Optional):** If your faucet is currently powered solely by the battery pack, you may temporarily disconnect it for easier access, though it is not strictly necessary for installation.
3. **Connect Power Splitter:** Plug the cable from the power splitter module into the designated port on your faucet's control box.
4. **Connect AC Adapter to Splitter:** Plug the output cable from the AC adapter into the appropriate input port on the power splitter module.
5. **Connect Battery Pack to Splitter:** If you wish to retain battery backup functionality, plug your faucet's original battery pack into the remaining input port on the power splitter module. This configuration ensures that the battery pack will provide power if AC power is interrupted.
6. **Plug AC Adapter into Outlet:** Plug the AC adapter into a standard, always-on electrical outlet under your sink. Ensure the outlet is not controlled by a wall switch that might inadvertently cut power to the faucet.
7. **Verify Operation:** Once connected, observe the indicator lights on the power splitter module. The "AC IN USE" light should illuminate, indicating that the faucet is now drawing power from the electrical outlet.

The system is designed for hassle-free installation and provides a dual power source, allowing the AC adapter to be the primary power and the battery pack to serve as a backup.

Operating Instructions

Once installed, the Moen 169031 AC Adapter Service Kit operates automatically. The power splitter module intelligently manages the power supply to your faucet.

Indicator Lights:

The power splitter module features several indicator lights to provide status information:

- **AC IN USE (Green):** Illuminates when the faucet is receiving power from the AC adapter. This is the primary operational state.
- **BATTERIES IN USE (Green):** Illuminates when the faucet is drawing power from the connected battery pack. This typically occurs during a power outage or if the AC adapter is disconnected.
- **REPLACE BATTERIES (Red):** Illuminates when the battery pack's charge is low and requires replacement. This light serves as a warning even when AC power is in use, indicating the backup power source is depleted.
- **CONNECTION PROBLEM (Red):** Illuminates if there is an issue with the connection to the faucet or the power supply.

Under normal operation, the "AC IN USE" light should be illuminated. In the event of a power outage, the system will

seamlessly switch to battery power, and the "BATTERIES IN USE" light will illuminate.

Maintenance

The Moen 169031 AC Adapter Service Kit requires minimal maintenance. Regular checks can help ensure optimal performance:

- **Check Connections:** Periodically inspect all cable connections to ensure they are secure and free from damage.
- **Monitor Indicator Lights:** Regularly observe the indicator lights on the power splitter module. If the "REPLACE BATTERIES" light illuminates, replace the batteries in your faucet's battery pack even if AC power is currently in use, to ensure reliable backup power.
- **Keep Area Dry:** Ensure the area around the control box, AC adapter, and power splitter remains dry and free from moisture.
- **Clean Components:** If necessary, gently wipe the components with a dry, soft cloth to remove dust. Do not use harsh chemicals or abrasive cleaners.

Troubleshooting

If you encounter issues with your Moen MotionSense faucet after installing the AC Adapter Service Kit, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Faucet not responding (no water flow)	No power to the faucet.	• Check if the "AC IN USE" light is on. If not, ensure the AC adapter is securely plugged into a live outlet. • Verify the electrical outlet is not controlled by a wall switch that is currently off. • If the "BATTERIES IN USE" light is on, check if the "REPLACE BATTERIES" light is also on. If so, replace the batteries in the faucet's battery pack. • Ensure all cables are securely connected to the power splitter and faucet control box.
"REPLACE BATTERIES" light is on, but AC power is connected.	Battery pack is low on charge.	Replace the batteries in the faucet's battery pack. This light indicates the backup power source is depleted, even if AC power is currently supplying the faucet.
"CONNECTION PROBLEM" light is on.	Loose or faulty connection.	• Check all cable connections between the AC adapter, power splitter, and faucet control box. Ensure they are firmly seated. • Inspect cables for any visible damage.
Faucet works on battery but not AC.	AC adapter or outlet issue.	• Ensure the AC adapter is plugged into a functional, always-on electrical outlet. Test the outlet with another device. • Check the connection between the AC adapter and the power splitter.

If problems persist after following these steps, contact Moen customer support for further assistance.

Specifications

Attribute	Detail
Brand	Moen
Model Number	169031
Material	Acrylonitrile Butadiene Styrene (ABS), Plastic
Item Weight	5 ounces
Product Dimensions	2.2 x 3.8 x 4.5 inches
UPC	026508266199
Included Components	AC Adapter, Power Splitter
Batteries Required?	No (for primary operation with kit)

Warranty and Support

The Moen 169031 AC Adapter Service Kit is backed by Moen's commitment to quality.

Warranty Information:

This product comes with a**1 Year Limited Warranty**. For specific details regarding warranty coverage and claims, please refer to the official Moen warranty documentation or contact Moen customer support.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official Moen website or contact their customer service department. You can also find more information and products at the Moen Store on Amazon.

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