BWE 18116-B

BWE Automatic Motion Sensor Touchless Bathroom Sink Faucet (Model 18116-B) Instruction Manual

Electronic Infrared Hands-Free Faucet

1. Introduction

Thank you for choosing the BWE Automatic Motion Sensor Touchless Bathroom Sink Faucet. This electronic infrared hands-free faucet is designed to provide convenience, hygiene, and water efficiency in your bathroom. Crafted from high-quality solid brass with a matte black finish, it offers durability and a modern aesthetic. This manual provides essential information for the safe installation, operation, and maintenance of your new faucet.

2. Safety Information

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in property damage, personal injury, or voiding the warranty.

- Ensure the main water supply is turned off before beginning any installation or maintenance.
- Disconnect power (AC adapter or batteries) before any electrical connections or maintenance.
- If you are unsure about any part of the installation, consult a qualified plumber or electrician.
- Do not use abrasive cleaners or harsh chemicals on the faucet finish.
- Keep the control box and electrical connections dry and away from water.

3. Package Contents

Verify that all components are present before beginning installation:

- Black Touchless Bathroom Faucet
- Control Box
- Deck Plate
- Installation Hardware
- Supply Lines
- Temperature Mixer Valve



Figure 3.1: Included Components

4. Specifications

Feature	Detail
Brand	BWE
Model Name	Automatic Motion Sensor Touchless Bathroom Sink Faucet
Model Number	18116-B
Color	Matte Black
Material	Brass
Finish Type	Matte Black

Mounting Type	Deck Mount
Hole Count	1
Special Feature	Touchless
Power Source	Battery or Plug-in (AC 110V / DC Batteries)
Hose Length	15.75 Inches
Item Weight	4.55 pounds (2.07 Kilograms)

5. Installation

The BWE touchless faucet is designed for easy installation with standard dimensions. Detailed steps are provided below. For a visual guide, please refer to the installation video.

5.1. Pre-Installation Steps

1. Turn off the main water supply to the sink.
2. Remove your old faucet if applicable.
3. Clean the sink surface where the new faucet will be installed.

5.2. Faucet Assembly and Mounting

1. Connect the hot and cold water supply lines to the faucet base. Ensure a secure, watertight connection.
2. Insert the faucet through the mounting hole on the sink or deck plate.
3. From underneath the sink, secure the faucet using the provided mounting hardware (washer and nut). Tighten firmly but do not overtighten.



Figure 5.1: Faucet Dimensions

5.3. Control Box and Water Connections

1. Mount the control box to a secure surface under the sink using the provided screws.
2. Connect the hot and cold water supply lines from the wall to the corresponding inlets on the temperature mixer valve. The red indicator is for hot water, blue for cold.
3. Connect the outlet of the temperature mixer valve to the inlet of the control box.
4. Connect the water outlet from the control box to the faucet's water inlet line.
5. Ensure all water connections are tight and use thread sealant tape if necessary to prevent leaks.

5.4. Electrical Connections

The faucet can be powered by either an AC adapter or 4 DC batteries.

- **AC Power:** Plug the AC adapter into the control box and then into a standard 110V electrical outlet.
- **DC Battery Power:** Open the battery compartment on the control box, insert 4 appropriate batteries (not included), and close the compartment. Connect the battery pack cable to the control box.

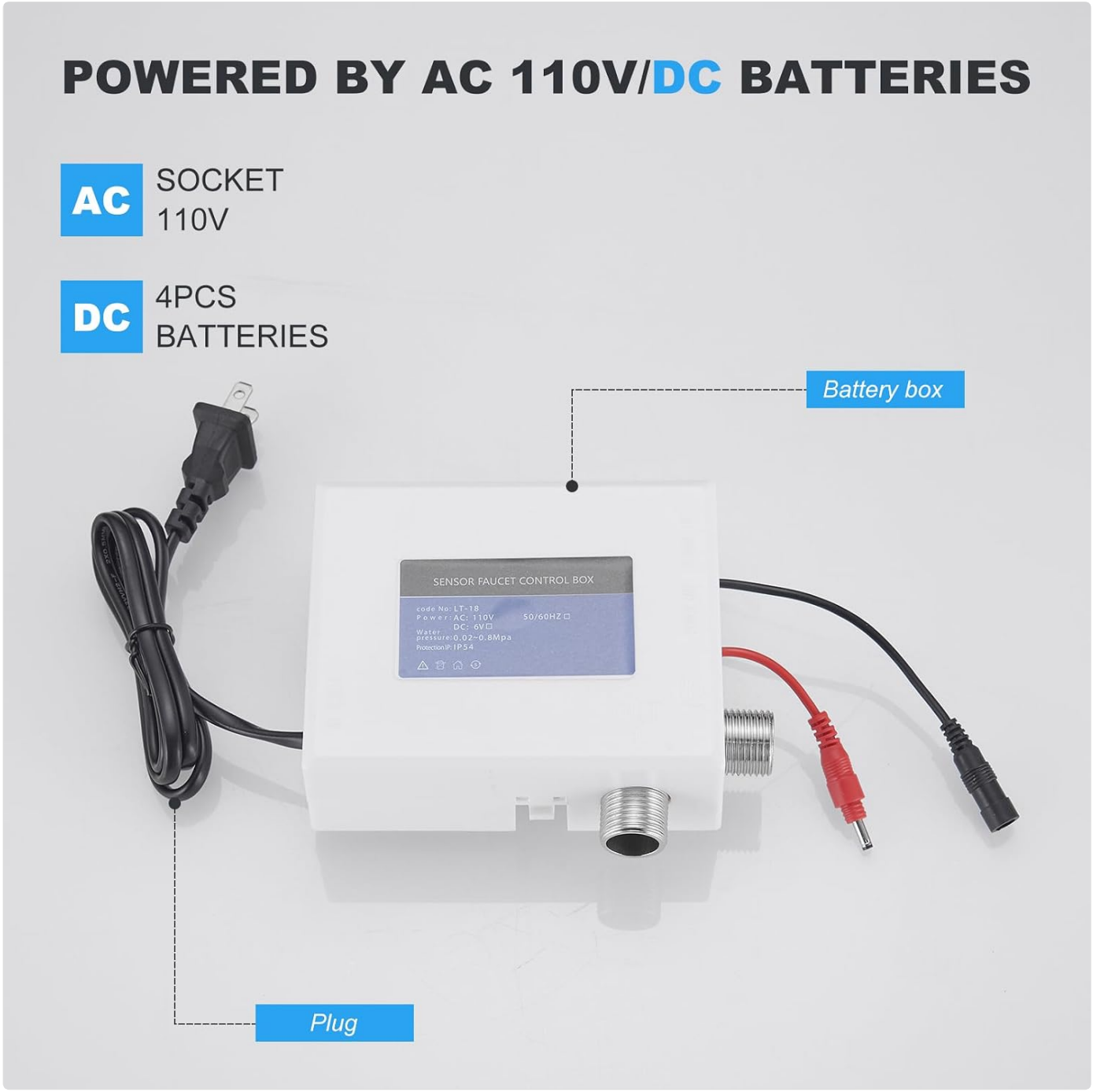


Figure 5.2: Power Options for Control Box

5.5. Post-Installation

1. Slowly turn on the main water supply.
2. Check all connections for leaks. Tighten any leaking connections.
3. Test the faucet operation.

5.6. Installation Video Guide

Your browser does not support the video tag.

Video 5.1: How to install the BWE touchless bathroom faucet. This video demonstrates the step-by-step process of installing the faucet, connecting the water lines, and setting up the control box.

6. Operation

The BWE touchless faucet utilizes cutting-edge infrared sensing technology for hands-free operation.

1. **Activating Water Flow:** Simply wave your hand or place it within the sensing area at the bottom of the faucet. The water will automatically begin to flow.
2. **Stopping Water Flow:** Remove your hand from the sensing area, and the water will seamlessly stop. This automatic shut-off feature helps reduce overall water usage.
3. **Adjusting Water Temperature:** The faucet comes with a water mixing valve located within the control box assembly. To adjust the water temperature, manually turn the knob on this mixing valve to achieve your desired hot/cold balance. This setting will remain constant until manually changed again.



Figure 6.1: Hands-free operation of the faucet.



Figure 6.2: Aerated outlet providing a steady water stream.

7. Maintenance

Regular maintenance will ensure the longevity and optimal performance of your BWE touchless faucet.

- **Cleaning the Faucet:** Use a soft, damp cloth and mild soap to clean the matte black finish. Avoid abrasive cleaners, scouring pads, or chemicals containing ammonia, bleach, or alcohol, as these can damage the finish.
- **Cleaning the Sensor:** Periodically wipe the infrared sensor window (located at the base of the faucet) with a soft, dry cloth to ensure optimal responsiveness.
- **Aerator Maintenance:** If water flow decreases, the aerator may be clogged. Unscrew the aerator from the faucet spout, clean any debris, and rinse thoroughly before reattaching.
- **Battery Replacement:** If using battery power, replace all 4 batteries when the faucet's response becomes sluggish or stops working. Ensure correct polarity when inserting new batteries.

8. Troubleshooting

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
No water flow	Water supply turned off Power disconnected or batteries dead Sensor obstructed or dirty Solenoid valve malfunction	Turn on water supply Check power connection or replace batteries Clean sensor window Contact customer support
Low water pressure	Aerator clogged Water supply partially open	Clean or replace aerator Fully open water supply valves
Water does not stop flowing	Sensor continuously activated Solenoid valve malfunction	Remove obstructions from sensor area Clean sensor window Contact customer support
Incorrect water temperature	Temperature mixer valve setting Hot/cold supply lines reversed	Adjust temperature mixer valve under the sink Verify hot and cold supply line connections

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase.
Manufacturer: **BWE**
Seller: **AquaFaucet**

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