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› Charmingwater Touchless Bathroom Sink Faucet (Model CW-2103-C) Instruction Manual

Charmingwater CW-2103-C

Charmingwater Touchless Bathroom Sink Faucet

MODEL: CW-2103-C

Introduction

Thank you for choosing the Charmingwater Touchless Bathroom Sink Faucet. This manual provides essential information for the safe installation, operation, and maintenance of your new faucet. Please read these instructions thoroughly before installation and keep them for future reference.

This touchless faucet features an automatic motion sensor for hands-free operation, promoting hygiene and water conservation. It is designed for easy installation and offers adjustable water temperature settings.

Safety Information

- Always turn off the main water supply before beginning any installation or maintenance.
- Ensure all connections are secure to prevent leaks.
- Use appropriate tools and wear safety glasses during installation.
- Do not overtighten connections, as this may damage components.
- Keep the battery box dry and away from direct water exposure.
- Use only 4 AA alkaline batteries (not included) for power. Do not mix old and new batteries or different types of batteries.

Package Contents

Verify that all components are present before installation:

- Touchless Faucet Body (Chrome)
- Hole Cover Plate
- Control Box (Battery Box)
- Hot and Cold Water Hoses (2)
- Mixing Valve
- Mounting Hardware (Gasket, Washer, Nut)

- Power Cable for Faucet to Control Box
- User Manual



Image: All components included in the package for the touchless faucet.

Installation Guide

Step 1: Prepare the Sink

Ensure the sink surface is clean and dry. If replacing an existing faucet, remove it and clean the area thoroughly. Place the hole cover plate (if needed for a 3-hole sink) and the faucet body onto the sink hole.

Step 2: Install Batteries in the Control Box

Open the control box and insert 4 AA alkaline batteries (not included), ensuring correct polarity. Securely close the battery compartment. The control box should be mounted in a dry, accessible location under the sink, away from potential water splashes.



Image: Diagram illustrating the installation of the battery box and connections under the sink.

Step 3: Connect the Mixing Valve

Attach the mixing valve to the control box. Ensure the rubber ring is properly installed at the interface between the battery box and the mixing valve to prevent leaks. Connect the hot and cold water supply lines to the mixing valve. Do not use white tape or additional rubber rings when connecting the hot and cold water hoses to the mixing valve.

Video: This video demonstrates the correct installation of the black rubber ring within the mixing valve to prevent leaks. It also shows how to connect the mixing valve to the control box and the water supply lines.



Image: Important note on installing the rubber ring at the interface of the battery box and mixing valve.

Step 4: Connect Faucet to Control Box

Connect the power cable from the faucet body to the designated port on the control box. Then, connect the water outlet hose from the control box to the threaded pipe extending from the bottom of the faucet body. Secure all connections tightly.

Step 5: Secure the Faucet

From underneath the sink, secure the faucet body and cover plate using the provided mounting hardware

(gasket, washer, and nut). Tighten the nut firmly but do not overtighten.

Step 6: Test the Faucet

Turn on the main water supply. Place your hand in front of the sensor window at the base of the faucet to activate water flow. Remove your hand to stop the flow. Check for any leaks around all connections. Adjust the mixing valve to achieve your desired water temperature.

Operating Instructions

The Charmingwater Touchless Faucet operates using an infrared motion sensor located at the base of the spout. To activate water flow, simply place your hands within the sensor's detection range. The water will flow automatically. To stop the water flow, remove your hands from the sensor's range. The water will cease after a brief delay.



Image: Hands activating the touchless sensor for water flow.

Temperature Adjustment

The water temperature is set using the mixing valve located underneath the sink. Once set, the faucet will dispense water at this pre-mixed temperature. There are no external handles on the faucet itself for temperature control.

Maintenance

Cleaning

Clean the faucet regularly with a soft cloth and mild soap. Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the chrome finish. Pay special attention to keeping the sensor window clean and free of obstructions.

Battery Replacement

The faucet is powered by 4 AA alkaline batteries in the control box. Battery life is typically 6-8 months. When the water flow becomes weak or inconsistent, it may be time to replace the batteries. To replace, turn off the water supply, open the control box, replace all four batteries with new alkaline batteries, and then close the box securely. Turn the water supply back on.



⚠ Note:

1. Pay attention to the **interface order of ① and ②** (many buyers are not properly faucet due to the reverse direction of the water pipe)
2. It is recommended to use an **alkaline batteries** and **replace the battery once every 6-8 months** (insufficient power will cause water leakage, induction failure, etc.)

Image: Note on recommended battery type and replacement frequency.

Troubleshooting

Problem	Possible Cause	Solution
No water flow or weak flow	Low batteries, water supply off, clogged aerator, sensor obstruction.	Replace batteries, check water supply valves, clean aerator, clear sensor.
Water does not stop flowing	Sensor obstruction, faulty sensor/solenoid.	Clean sensor window, check for objects in sensor range. If problem persists, contact support.
Water temperature is incorrect	Mixing valve not adjusted correctly.	Adjust the mixing valve under the sink to achieve desired temperature.
Leaks at connections	Loose connections, damaged rubber rings.	Tighten connections, ensure rubber rings are properly seated and undamaged. Replace if necessary.

Specifications

- **Brand:** Charmingwater
- **Model Name:** CW-2103
- **Item Model Number:** CW-2103-C
- **Material:** Stainless Steel

- **Finish Type:** Chrome
- **Mounting Type:** Deck Mount
- **Hole Count:** 1 (with included hole cover plate for 3-hole sinks)
- **Power Source:** 4 x AA Alkaline Batteries (not included)
- **Maximum Flow Rate:** 1.2 Gallons Per Minute (GPM)
- **Product Dimensions:** 2.7"D x 6.5"W x 5.3"H
- **Item Weight:** 3.91 pounds
- **Special Features:** Motion Sensor, Temperature Adjustable, Touchless, Water-saving

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Charmingwater website. Keep your purchase receipt as proof of purchase.