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› Charmingwater Touchless Bathroom Faucet Model CW-2103 User Manual

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Charmingwater Touchless Bathroom Faucet User Manual

Model: CW-2103

PRODUCT OVERVIEW

The Charmingwater Touchless Bathroom Faucet provides a hygienic and water-saving solution for your bathroom sink. It features an automatic sensor for hands-free operation and a mixing valve for adjustable water temperature. Constructed from high-quality stainless steel and brass with a brushed nickel finish, this faucet is designed for durability and modern aesthetics.

TOUCHLESS BATHROOM FAUCET

Induction activation, automatically release water



Image: The touchless faucet in operation, showing the sensor detecting hands and water flowing.

BRUSHED FINISHED

Modern and stylish appearance



Image: Front view of the faucet, highlighting its brushed finish and sleek design.

SETUP AND INSTALLATION

This faucet is designed for easy installation with standard dimensions, compatible with most sinks. All necessary installation accessories are included. Professional plumbing experience is not required, but careful adherence to instructions is essential.

Included Components



Image: All components for installation, including the faucet, hoses, battery box, mixing valve, and deck plate.

Installation Steps

1. **Prepare the Sink:** Ensure the sink hole is clean and clear. If installing on a three-hole sink, use the included hole cover plate.
2. **Mount the Faucet:** Insert the faucet into the sink hole. Secure it from underneath the sink using the provided mounting hardware.
3. **Connect the Mixing Valve:** Screw the temperature mixing valve onto the faucet's water inlet. This valve allows for temperature adjustment.
4. **Connect Water Hoses:** Connect the cold water hose to the cold water supply and the hot water hose to the hot water supply. Connect the other ends to the mixing valve. Ensure the correct order of hot and cold water hoses to prevent reverse flow issues.
5. **Install Battery Box:** Insert 4 AA alkaline batteries (not included) into the battery box. Ensure the battery box is hung and installed according to the arrow direction indicated on the box.
6. **Connect Faucet Wire:** Connect the wire from the faucet to the battery box.
7. **Connect Water Outlet Hose:** Connect the water outlet hose from the mixing valve to the battery box.
8. **Check for Leaks:** Turn on the water supply and check all connections for leaks.



Image: Detailed installation diagram illustrating the connection points for the faucet, hoses, mixing valve, and battery box.

Important Installation Notes

- **Rubber Rings:** Ensure a rubber ring is installed at the interface between the battery box and the mixing valve. Two spare rubber rings are provided. Do not use white tape or additional rubber rings when connecting hot and cold water hoses to the mixing valve.
- **Battery Orientation:** Always install the battery box with the arrow pointing upwards as indicated.
- **Hose Connection Order:** Pay close attention to the interface order of the water pipes (hot and cold) to ensure proper functionality.



How we got our start?

Charmingwater was founded in 2016 and is a vibrant smart home brand. In just a few years, due to the favor of our customers, our global sales have reached more than 80,000 units per year. In the future, we will maintain growth with the best products and services.

Image: Illustration of installing a rubber ring at the connection point between the battery box and mixing valve.



What makes our product unique?

Our team is committed to giving every family access to high - quality products for less, while bringing vitality, happiness and warmth to your home. Carefully design a unique appearance, develop products for different purposes, and meet the needs of more convenient household products with modern advanced technology.

Image: Diagram emphasizing the correct connection order for water hoses and the recommendation for alkaline batteries.



Image: The battery box with an arrow indicating the correct upward installation direction.

Touchless Operation

The faucet features an automatic sensor for hands-free water delivery. To activate the water flow, simply place your hands within the sensing area at the bottom front of the faucet. The water will start flowing automatically. To stop the water flow, remove your hands from the sensing area. The water will cease after a brief delay.



Image: Water flowing from the touchless faucet into a sink basin.

Adjusting Water Temperature

The water temperature is adjusted using the mixing valve located underneath the sink. This valve allows you to set your preferred water temperature for a comfortable washing experience. Once set, the faucet will dispense water at this temperature during touchless operation.



Image: The water mixing valve, used to adjust the water temperature.

MAINTENANCE

Battery Replacement

The faucet's sensor and valve system are powered by 4 AA alkaline batteries (not included). Battery replacement is a simple process. It is recommended to replace the batteries every 6-8 months to ensure stable operation and prevent issues like water leakage or induction failure due to insufficient power.

Cleaning the Faucet

To maintain the brushed nickel finish, clean the faucet regularly with a soft, damp cloth. Avoid using abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the finish. For stubborn spots, a mild soap solution can be used, followed by rinsing and drying.

Aerator Cleaning

Periodically check and clean the aerator at the tip of the spout to remove any mineral buildup or debris that may affect water flow. Unscrew the aerator, rinse it under running water, and use a small brush if necessary to clear any blockages. Reattach the aerator securely.



Image: Close-up view of the faucet's aerator, which can be removed for cleaning.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No water flow when sensor is activated (red LED flashes)	Low battery power; obstructed sensor; water supply off; solenoid valve issue.	Replace batteries with new alkaline AA batteries. Ensure sensor is clean and unobstructed. Check water supply valves are fully open. If problem persists, contact support.
Weak or inconsistent water flow	Low water pressure; clogged aerator; partially closed water supply valve.	Check household water pressure. Clean the aerator. Ensure water supply valves are fully open.
Water does not stop flowing after hands are removed	Sensor malfunction; debris in solenoid valve; low battery power.	Ensure sensor is clean. Replace batteries. If the issue continues, the solenoid valve may require inspection by a qualified technician.
Leaks at connections	Loose connections; missing or damaged rubber rings.	Tighten all connections. Ensure all necessary rubber rings are properly seated. Do not overtighten.

SPECIFICATIONS



- **Brand:** Charmingwater
- **Model Name:** CW-2103
- **Material:** Stainless Steel, Brass
- **Finish Type:** Brushed Nickel
- **Mounting Type:** Deck Mount
- **Hole Count:** 1 (with included hole cover plate for 3-hole sinks)
- **Maximum Flow Rate:** 1.2 Gallons Per Minute
- **Power Source:** 4 AA Alkaline Batteries (not included)
- **Product Dimensions:** 6.5 x 2.7 x 5.3 inches (Length x Width x Height)
- **Item Weight:** 3.89 pounds (1.77 Kilograms)
- **Special Features:** Motion Sensor, Temperature Adjustable (via mixing valve), Touchless, Water-saving
- **Certifications:** CEC, DOE

WARRANTY AND SUPPORT

For specific warranty information regarding your Charmingwater Touchless Bathroom Faucet, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms may vary based on region and purchase location.

If you require technical assistance, have questions about installation, or need to report a product issue, please contact Charmingwater customer support or your product retailer. Ensure you have your model number (CW-2103) and purchase details available when seeking support.