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IKEA BROGRUND Wash-basin Mixer Tap with Sensor 604.233.51 User Manual

Model: 604.233.51

1. INTRODUCTION

Thank you for choosing the IKEA BROGRUND wash-basin mixer tap with sensor. This tap is designed for convenience and hygiene, providing water automatically when hands are detected. The integrated aerator helps maintain an optimal water flow while conserving water. This manual provides essential information for the safe installation, operation, and maintenance of your new tap.



Image 1.1: The IKEA BROGRUND wash-basin mixer tap with sensor, featuring a sleek chrome finish.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in injury or damage to the product.

- **Professional Installation Recommended:** Installation of plumbing fixtures can be complex. If you are unsure, consult a qualified professional plumber to ensure proper installation according to local building and plumbing regulations.
- **Water Supply:** Ensure the main water supply is turned off before beginning any installation or maintenance work.
- **Electrical Safety (Batteries):** This product uses batteries. Ensure correct polarity when inserting batteries. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly according to local regulations.
- **Maximum Hot Water Temperature:** The maximum recommended hot water temperature for this tap is 80°C (176°F). Exceeding this temperature may damage the product or cause scalding.

- **Cleaning:** Use only mild cleaning agents and soft cloths. Abrasive cleaners or scouring pads can damage the chrome finish.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- BROGRUND Wash-basin Mixer Tap with Sensor
- Installation Tool
- Connection Hose (1/2 inch, 50 cm length)
- 4 x LR6 AA 1.5V Alkaline Batteries
- User Manual (this document)

4. SETUP AND INSTALLATION

This product requires assembly. Follow the steps below for proper installation.

4.1 Pre-Installation Checks

- Ensure the main water supply to the wash-basin is turned off.
- Confirm that your wash-basin is compatible. This tap is designed to fit IKEA wash-basins and other standard wash-basins.
- Gather necessary tools (an installation tool is included, but additional plumbing tools may be required).

4.2 Battery Installation

1. Locate the battery compartment, typically found near the base of the tap or in a separate unit connected by a cable.
2. Open the compartment cover.
3. Insert the 4 x LR6 AA 1.5V alkaline batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.3 Tap Installation

1. Mount the mixer tap onto the wash-basin using the provided installation tool and hardware.
2. Connect the included 1/2 inch (approx. 13mm) connection hose to the water supply lines. The hose length is 50 cm.
3. Ensure all connections are tight to prevent leaks.
4. Once installed, slowly turn on the main water supply and check for any leaks.

Important: Always adhere to local building and plumbing standards during installation. If you encounter any difficulties, please consult a professional.

5. OPERATING INSTRUCTIONS

5.1 Automatic Water Flow

The BROGRUND tap features a sensor for automatic water activation.

- To activate water flow, simply place your hands or an object in front of the sensor located on the tap.
- Water will flow automatically.
- To stop the water flow, remove your hands or the object from the sensor's range. The water will stop automatically after approximately 2 seconds.

5.2 Water Temperature Adjustment

The water temperature can be adjusted using the lever located on the side of the mixer tap.

- Move the lever to the left for hotter water.
- Move the lever to the right for colder water.
- The tap will dispense water at the pre-set temperature when activated by the sensor.

6. MAINTENANCE

6.1 Cleaning

To maintain the chrome finish and ensure proper sensor function:

- Clean the tap regularly with a soft cloth dampened with water or a mild, non-abrasive cleaning solution.
- Avoid using abrasive sponges, scouring pads, or cleaners containing acids, alcohol, or ammonia, as these can damage the surface.
- Wipe the sensor area clean to ensure unobstructed operation.

6.2 Battery Replacement

When the tap's sensor functionality becomes inconsistent or stops working, it may be time to replace the batteries.

1. Turn off the water supply to the tap.
2. Locate and open the battery compartment (refer to Section 4.2).
3. Remove the old batteries and dispose of them properly.
4. Insert four new LR6 AA 1.5V alkaline batteries, observing correct polarity.
5. Close the compartment cover securely.
6. Turn the water supply back on.

Replacement alkaline batteries are widely available at most retail stores.

7. TROUBLESHOOTING

If you experience issues with your BROGRUND tap, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No water flow when sensor is activated.	<ul style="list-style-type: none"> Batteries are depleted or incorrectly installed. Water supply is turned off. Sensor is obstructed or dirty. 	<ul style="list-style-type: none"> Replace batteries (see Section 6.2). Ensure main water supply is turned on. Clean the sensor area.
Water flow is weak.	<ul style="list-style-type: none"> Aerator is clogged. Low water pressure from supply. 	<ul style="list-style-type: none"> Remove and clean the aerator. Check household water pressure.
Water temperature is incorrect.	Temperature lever is not set correctly.	Adjust the temperature lever on the side of the tap (see Section 5.2).
Sensor is not responding consistently.	<ul style="list-style-type: none"> Low battery power. Sensor is dirty or obstructed. Environmental interference. 	<ul style="list-style-type: none"> Replace batteries. Clean the sensor area. Ensure no reflective surfaces or strong light sources are directly facing the sensor.

8. SPECIFICATIONS

Model Number	604.233.51
Brand	IKEA
Type	Wash-basin Mixer Tap with Sensor
Mounting Type	Deck Mount
Materials	Main body: Zinc, Chrome-plated; Internal: Brass
Height	13 cm
Spout Reach	13 cm
Max Hot Water Temperature	80°C (176°F)
Aerator Flow Rate	5.7 L/min (High-pressure aerator for water saving)
Connection Hose	1/2 inch (approx. 13mm) diameter, 50 cm length
Power Source	4 x LR6 AA 1.5V Alkaline Batteries (included)
Designer	H Preutz/N Karlsson

9. WARRANTY AND SUPPORT

IKEA is committed to providing high-quality products. To ensure the longevity of your product, spare parts are available.

- For information on spare parts, please contact your nearest IKEA store's customer service or visit the IKEA online store at www.IKEA.com.
- For any questions regarding installation or product functionality not covered in this manual, please contact

IKEA customer support or consult a qualified professional.