

Longriver XL-LEDMB10

Longriver Shower Faucet System with Hydro Power Temperature Display

Model: XL-LEDMB10

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Longriver Shower Faucet System, Model XL-LEDMB10. This system features a 10-inch rain shower head, a handheld spray, and a hydro-powered temperature display, all designed for a consistent and comfortable showering experience.

Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of plumbing fixtures can be complex. It is recommended to consult a qualified plumber for installation to ensure compliance with local codes and proper function.
- **Water Supply:** Ensure the main water supply is turned off before beginning any installation or maintenance.
- **Temperature Control:** The integrated pressure balancing valve is designed to prevent sudden temperature changes. However, always test the water temperature with your hand before stepping into the shower, especially when children or individuals with sensitive skin will be using it.
- **Cleaning:** Use only mild soap and water for cleaning. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 10 Inch Rain Shower Head
- 16 Inch Wall Mounted Shower Arm
- Adjustable Shower Bracket
- Handheld Shower Head
- Shower Mixer Valve with Trims and LED Display
- Shower Hose

4. SPECIFICATIONS

Feature	Specification
Brand	Longriver
Model Number	XL-LEDMB10
Color	Matte Black
Material	Brass, Stainless Steel
Finish Type	Black
Number of Handles	1
Mounting Type	Wall Mount
Flow Rate	1.75 Gallons Per Minute
Shower Head Size	10 inches
Hand Shower Length	8.3 inches
Shower Arm Length	16 inches
Hose Length	59 inches
Temperature Display	Hydro-powered LED (no batteries required)
Pressure Balancing	Integrated Anti-Scald Cartridge

Note: All dimensions are approximate and subject to minor manufacturing variations.

5. SETUP AND INSTALLATION

This shower system is designed to fit standard 1/2" American plumbing connections. Detailed installation instructions are typically included with the product packaging. The following provides a general overview:

- 1. Prepare the Wall:** Ensure the wall cavity is prepared for the shower mixer valve.
- 2. Install Mixer Valve:** Securely install the brass shower mixer valve into the wall, connecting the hot and cold water lines to the appropriate inlets (Female 1/2"). Ensure the hydro power connection is correctly routed.
- 3. Install Shower Arm:** Mount the 16-inch shower arm to the wall and connect it to the fixed shower head connector (Female 1/2").
- 4. Attach Rain Shower Head:** Secure the 10-inch rain shower head to the shower arm.
- 5. Install Handheld Components:** Mount the adjustable shower bracket and connect the handheld shower head to the shower mixer valve using the provided hose.
- 6. Install Trim Kit:** Attach the trim plate, temperature display, and handle to the mixer valve.
- 7. Test for Leaks:** Turn on the main water supply and carefully check all connections for leaks.

BRASS PRESSURE BALANCE SHOWER VALVE

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Fixed Shower Head Connector
(Female 1/2")

Hot Water Connector
(Female 1/2")

Fixed Position Hole

Brass Water Separator

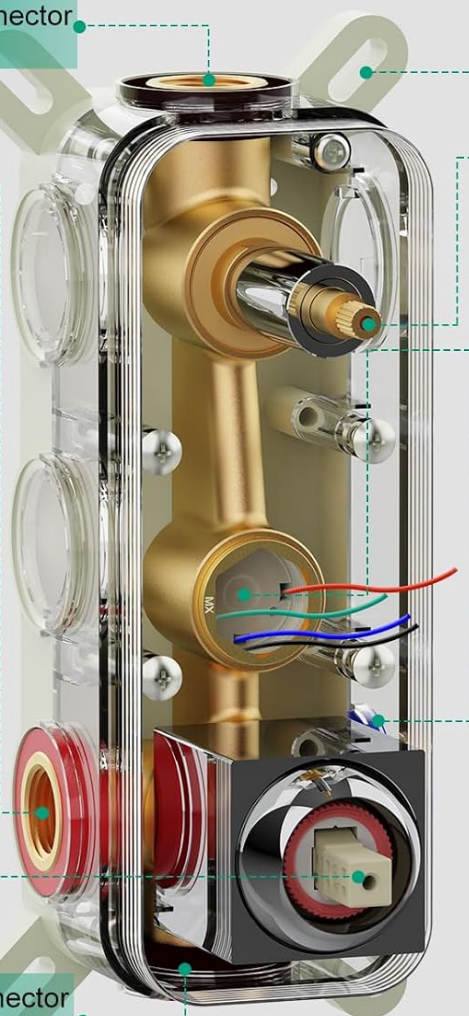
Cold Water Connector
(Female 1/2")

Hydro Power



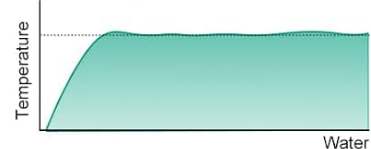
Anti-Scald Pressure
Balancing Cartridge

Hand Shower Head Connector
(Female 1/2")



Benefit of Pressur Balancing Cartridge

Pressure Balance Cartridge



Ordinary Cartridge

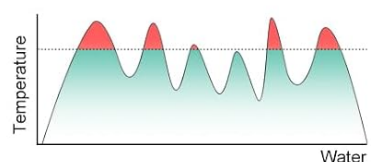


Image: Diagram illustrating the components of the Brass Pressure Balance Shower Valve, including fixed shower head connector, hot and cold water connectors, brass water separator, hydro power connection, and anti-scald pressure balancing cartridge.

Why Choose Us?

Pressure-Balanced Valve Cartridge

Maintains consistent temperature by balancing pressure of hot and cold water
No sudden temperature changes from toilet flushing or running appliances
Built-in two check valves to effectively eliminate water hammer noise



Longriver



**KEEPS WATER TEMPERATURE
WITHIN A SAFE $\pm 3.6^{\circ}\text{F}$**

Image: Exploded view diagram showing the installation of the pressure-balanced valve cartridge within the shower system, highlighting its role in maintaining consistent water temperature.

6. OPERATING INSTRUCTIONS

Your Longriver shower system is designed for intuitive use:

1. **Turn On/Off and Adjust Temperature:** The single handle controls both water flow and temperature. Lift the handle to turn on the water. Rotate the handle to the left for hot water and to the right for cold water.
2. **Hydro Power Temperature Display:** The LED display on the panel is powered by the water flow (no batteries required). It will activate automatically when water flows, showing the real-time water temperature and shower duration. The display typically shows blue light below 105°F and red light above 105°F .
3. **Switch Between Shower Heads:** Use the diverter knob (typically located above or below the main handle) to switch water flow between the rain shower head and the handheld spray.



Image: The Longriver Shower Faucet System in operation, showcasing the rain shower head, handheld spray, and the illuminated hydro-powered temperature display on the control panel.

Two-Color Indicator Lights (Blue/Red)

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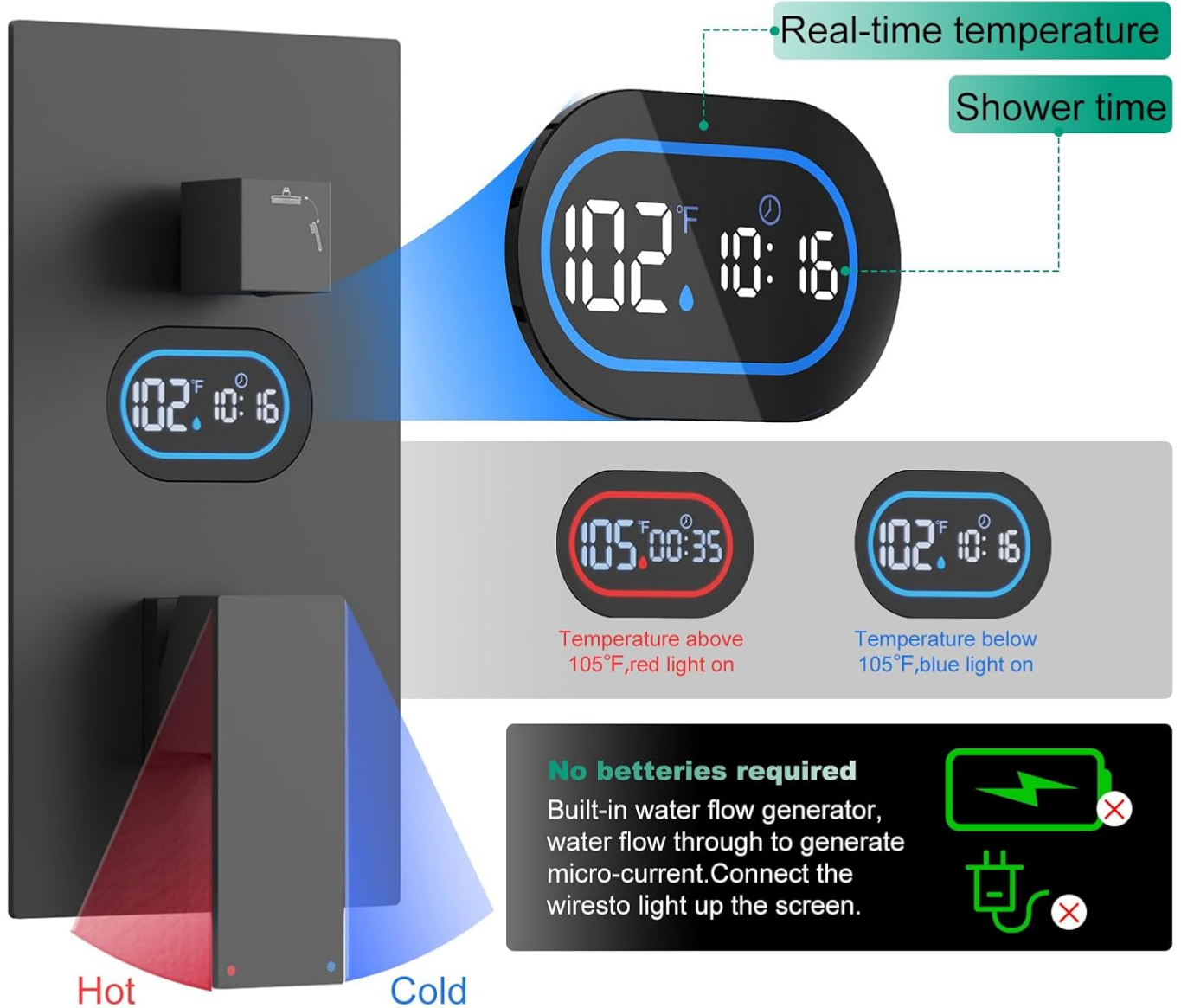


Image: A detailed view of the hydro-powered temperature display, showing real-time temperature and shower time. It also illustrates the two-color indicator lights: blue for temperatures below 105°F and red for temperatures above 105°F.

Double Acting Mixing Shower Valve

The mode knob can easily switch between the rain shower and handheld shower, and the shower handle can accurately control the water temperature to ensure bathing safety.

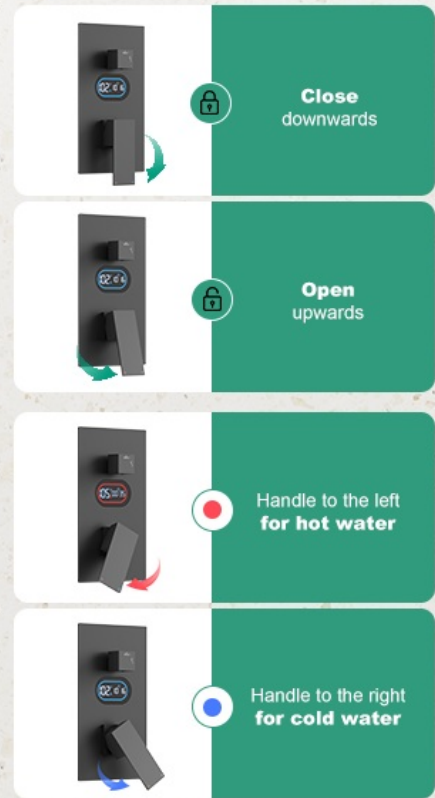


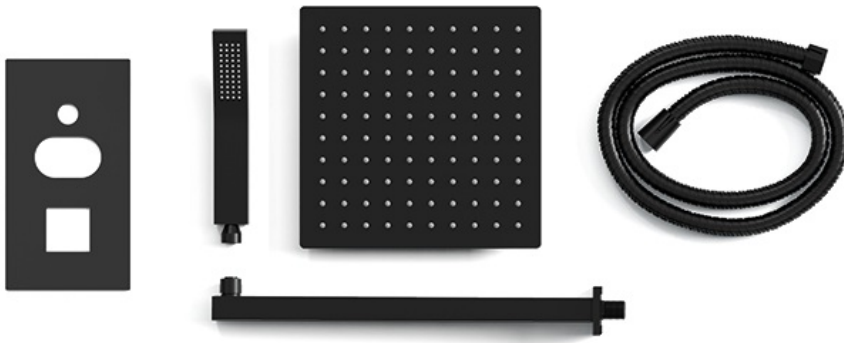
Image: Diagram illustrating the operation of the double-acting mixing shower valve, showing how the mode knob switches between the rain shower and handheld, and how the handle controls water temperature (left for hot, right for cold).

7. MAINTENANCE

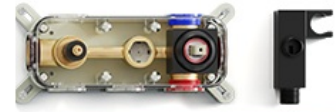
Regular maintenance will help preserve the finish and functionality of your shower system:

- **Cleaning the Finish:** Clean the matte black finish with a soft cloth and mild soap and water. Rinse thoroughly and dry with a soft cloth to prevent water spots. Do not use abrasive cleaners, steel wool, or chemical cleaners, as these can damage the finish.
- **Cleaning Shower Head Nozzles:** Periodically inspect the silicone nozzles on the rain shower head and handheld spray for mineral buildup. Gently rub the nozzles with your finger or a soft brush to dislodge any deposits. For stubborn buildup, a solution of white vinegar and water can be used.
- **Valve Cartridge:** The brass and stainless steel components are designed for corrosion resistance. If you experience persistent issues with water temperature or flow, the internal valve cartridge may require inspection or replacement by a qualified professional.

304 Stainless Steel



Brass



Zinc Alloy



High quality materials give Longriver Shower System the characteristics of rust prevention, durability, and long service life

Image: An overview of the main components of the Longriver Shower System, highlighting the use of 304 Stainless Steel, Brass, and Zinc Alloy for durability and rust prevention.

8. TROUBLESHOOTING

If you encounter issues with your shower system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Low Water Pressure	Clogged shower head nozzles; insufficient household water pressure.	Clean shower head nozzles. Consult a plumber to assess household water pressure.
Inconsistent Water Temperature	Pressure balancing valve issue; hot/cold water supply imbalance.	Ensure the pressure balancing valve is functioning correctly. Consult a plumber if the issue persists.
Temperature Display Not Working	Insufficient water flow to power the hydro-generator; connection issue.	Ensure adequate water flow. Check connections to the display.
Leaks from Connections	Loose connections; damaged seals.	Tighten connections. Inspect and replace seals if necessary. Turn off water supply before attempting repairs.

If troubleshooting steps do not resolve the issue, please contact Longriver customer support.

9. WARRANTY AND SUPPORT

Longriver provides a **10-Year Warranty** for this shower system. This warranty covers manufacturing defects and ensures free parts replacement. For customer service and support, please refer to the contact information provided with your

product packaging or visit the official Longriver website.

Our customer service team is available to assist you with any questions or concerns regarding your product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question