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› [Balboa Water Group](#) /

› Balboa Water Group 53189-01 Topside Control Panel with 7-Button User Manual

Balboa Water Group 53189-01

Balboa Water Group 53189-01 Topside Control Panel User Manual

Model: 53189-01

Brand: Balboa Water Group

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Balboa Water Group 53189-01 Topside Control Panel. This panel is designed to operate 7 functions: Auxiliary, Mode, Jet 1, Jet 2, Light, Warm, and Cool. It is compatible with various Balboa circuit boards, including 52295-01, 52518, 54175-02, 52320-01, 52076, 54122, 50768, 50759, 51414, 51512, 51536, and 54372-03. Please read these instructions carefully before installation and use to ensure proper function and longevity of your product.

SETUP AND INSTALLATION

The Balboa Water Group 53189-01 Topside Control Panel is designed for straightforward installation, often described as "plug and play." It utilizes a standard phone-type connector for easy integration with compatible spa systems.

Installation Steps:

1. **Safety First:** Before beginning any installation, ensure that the power to your hot tub or spa system is completely disconnected at the main breaker.
2. **Remove Old Panel:** Carefully remove the existing topside control panel from its housing. Note how it is connected.
3. **Disconnect Wiring:** Disconnect the phone-type connector from the main control board.
4. **Connect New Panel:** Connect the new Balboa 53189-01 panel's phone-type connector to the corresponding port on your spa's main control board. Ensure a secure connection.
5. **Mount New Panel:** Place the new control panel into the designated opening, ensuring it fits snugly. Secure it in place according to your spa's design (e.g., with adhesive backing or mounting clips, if applicable).
6. **Restore Power:** Once the panel is securely installed and all connections are verified, restore power to your hot tub system.
7. **Test Functionality:** Power on the spa and test all buttons and display functions to ensure proper operation.



Image: Balboa Water Group 53189-01 Topside Control Panel. This image displays the control panel with its seven buttons (Aux, Mode, Jets 1, Jets 2, Light, Warm, Cool) and a digital display. The panel measures approximately 7.4 inches wide and 3.3 inches tall, and features a phone-type connector cable extending from the bottom left.

OPERATING INSTRUCTIONS

The 53189-01 control panel features seven distinct buttons for managing your spa's functions. Familiarize yourself with each button's purpose for optimal use.

- **Auxiliary (Aux):** Activates or deactivates an auxiliary function, such as a blower or an additional pump, depending on your spa's configuration.
- **Mode:** Cycles through different operating modes (e.g., Standard, Economy, Sleep). Each mode has specific heating and filtration schedules. Refer to your spa's main system manual for detailed mode descriptions.
- **Jet 1:** Controls the primary jet pump. Press once to turn on low speed (if applicable), press again for high speed, and a third time to turn off.
- **Jet 2:** Controls the secondary jet pump. Functions similarly to Jet 1.

- **Light:** Turns the spa's internal lighting system on or off. Multiple presses may cycle through different light modes or colors if your spa is equipped with such features.
- **Warm (Up Arrow):** Increases the desired water temperature setting.
- **Cool (Down Arrow):** Decreases the desired water temperature setting.

The digital display will show the current water temperature or the set temperature when adjusted. It may also display error codes or mode indicators.

MAINTENANCE

Proper maintenance of your topside control panel ensures its longevity and reliable performance.

- **Cleaning:** Regularly wipe the panel surface with a soft, damp cloth. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the display and button overlays.
- **Protection:** Keep the panel free from direct sunlight for extended periods if possible, and protect it from extreme weather conditions to prevent degradation of materials.
- **Inspections:** Periodically check the cable and connector for any signs of wear, damage, or corrosion. Ensure the panel remains securely mounted.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Panel is unresponsive or buttons require multiple presses.	Loose connection, internal panel fault, or debris under buttons.	• Ensure the phone-type connector is securely plugged into the main control board. • Power cycle the spa (turn off at breaker for 5 minutes, then turn back on). • If the issue persists, the panel may require replacement.
Display flickers or freezes.	Loose connection, power fluctuation, or internal display fault.	• Check the panel's connection to the main board. • Verify stable power supply to the spa. • If the problem continues, the panel may be faulty.
Specific buttons (e.g., Mode, Jet, Light) do not work.	Button malfunction, internal circuit issue, or main control board fault.	• Power cycle the spa. • Inspect the panel for visible damage around the non-functional button. • If other functions work, the issue might be isolated to the button or its internal connection. Consider professional diagnosis.
No power to the control panel.	No power to the spa, disconnected cable, or main control board failure.	• Check the main power breaker for the spa. • Ensure the phone-type connector is fully inserted. • Consult your spa's main system manual for troubleshooting the control board.

For persistent issues or complex problems, it is recommended to contact a qualified spa technician or Balboa Water Group customer support.

SPECIFICATIONS

Specifications

- **Model Number:** 53189-01 (VL701S)
- **Panel Dimensions:** 7.4 inches (18.8 cm) Wide x 3.3 inches (8.4 cm) Tall
- **Cable Length:** Seven Foot Cable (approx. 2.1 meters)
- **Connector Type:** Phone Plug Connector
- **Button Configuration:** 7-Button (Auxiliary, Mode, Jet 1, Jet 2, Light, Warm, Cool)
- **Compatible Circuit Boards:** 52295-01, 52518, 54175-02, 52320-01, 52076, 54122, 50768, 50759, 51414, 51512, 51536, 54372-03
- **Item Weight:** 14.4 ounces (0.41 kg)

Warranty Information

Balboa Water Group products typically come with a manufacturer's warranty, often for a period of one year from the date of purchase. This warranty generally covers defects in materials and workmanship under normal use.

Important Considerations:

- Warranty terms may vary; always refer to the specific warranty documentation provided with your purchase.
- Customers are typically responsible for all shipping costs associated with warranty claims.
- A service fee may apply if the manufacturer determines the issue is not covered under warranty.
- Unauthorized repairs or modifications may void the warranty.

Retain your proof of purchase for any warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please contact Balboa Water Group directly or the authorized dealer from whom you purchased the product. Have your model number (53189-01) and proof of purchase ready when contacting support.

You can often find contact information on the manufacturer's official website or through your product documentation.

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