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› Balboa BP7 Retrofit Spa Control Kit User Manual

Balboa Water Group G6405-01

Balboa BP7 Retrofit Spa Control Kit User Manual

Model: G6405-01

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Balboa BP7 Retrofit Spa Control Kit. This kit is designed to upgrade or replace existing spa control systems, offering advanced features and reliable performance for your spa or hot tub. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety.

COMPONENTS INCLUDED

Your Balboa BP7 Retrofit Spa Control Kit (G6405-01) includes the following main components:

- Balboa BP7 Control System (Main Control Box)
- TP500 Topside Control Panel
- Panel Adapter Plate
- Light Cord
- Overlay(s) for the topside panel



Image: Overview of the Balboa BP7 Retrofit Spa Control Kit components.



Image: Front view of the Balboa BP7 Control System.



Image: Balboa TP500 Topside Control Panel with cable and overlay.

SETUP AND INSTALLATION

Before You Begin

Before starting any installation, ensure the main power to the spa is disconnected at the circuit breaker. Installation should only be performed by a qualified electrician or spa technician. Always follow local electrical codes and safety regulations.

Mounting the Control System

The Balboa BP7 control system should be mounted in a dry, accessible location, away from direct water spray and excessive heat. Ensure adequate ventilation around the unit. Use appropriate fasteners to secure the control box to a stable surface.



Image: Rear view of the Balboa BP7 Control System, showing mounting brackets.

Electrical Connections

The BP7 system operates on 230V power. It supports both 3-wire and 4-wire configurations. Refer to the wiring diagram provided with your kit and on the unit's label for correct connections. Ensure all connections are secure and properly insulated. This device complies with part 15 of the FCC rules. Operation is subject to the following conditions: (1) Device may not cause harmful interference. (2) Device must accept any interference received, including interference that may cause undesired operations.



Image: Product label with electrical specifications and serial number G4361***2007060065.



Image: Internal view of the Balboa BP7 Control System, showing wiring and components.

Use the temperature up/down buttons to set your desired spa temperature. Press the 'Jets' button to activate the pumps, and the 'Light' button to control the spa lighting. Consult the TP500 manual for programming filtration cycles, economy modes, and other advanced settings.

MAINTENANCE

Regular maintenance of your spa and its components will ensure longevity and optimal performance. While the BP7 control system is largely maintenance-free, consider the following:

- **Keep the Control Box Dry:** Ensure the control box remains free from moisture and debris.
- **Inspect Wiring:** Periodically check all electrical connections for signs of wear or corrosion. Disconnect power before inspection.
- **Water Chemistry:** Maintain proper spa water chemistry as per your spa manufacturer's recommendations. This helps prevent damage to the heater element and other components.
- **Filter Cleaning:** Regularly clean or replace your spa filters to ensure proper water flow and system efficiency.

TROUBLESHOOTING

If you encounter issues with your Balboa BP7 system, refer to the following common problems and solutions. For complex issues or if problems persist, contact a qualified spa technician.

- **No Power to Spa:** Check the main circuit breaker for the spa. Ensure all connections to the BP7 system are secure.
- **Heater Not Working:** Verify that the desired temperature is set above the current water temperature. Check for adequate water flow (ensure pumps are running and filters are clean). The system may display an error code if there's a heater issue.
- **Pumps Not Activating:** Check power supply to the pumps. Ensure the topside panel is functioning correctly.
- **Error Codes on Topside Panel:** The TP500 panel may display specific error codes (e.g., 'FLO', 'HL', 'DR'). Consult the TP500 manual for a complete list of error codes and their meanings.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model	BP7 (G6405-01 Kit)
Supply Voltage	230V - 3 Wire, 230V - 4 Wire
Heater Type	Fixed - Bottom
Heater Wattage	4.0kW
Topside Included	TP500
Circ Pump Ready	Optional 115V/230V
Auxiliary Topside Ready	Yes
Wi-Fi Compatible	Yes
Frequency	50Hz, 60Hz
Product Dimensions	21.75 x 8.5 x 18.5 inches

Item Weight	12.06 pounds
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WARRANTY INFORMATION

Balboa Water Group products are manufactured to high-quality standards. This product is covered by a manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation provided with your purchase or visit the official Balboa Water Group website.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Balboa Water Group customer support. Have your product model number (G6405-01) and serial number (found on the product label) ready when contacting support.

Note: Contact information for Balboa Water Group can typically be found on their official website or on the product packaging.

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.

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