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Balboa Water Group AX40

Balboa Water Group G8940 AX40 Auxiliary Topside Control Panel Instruction Manual

Model: AX40

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Balboa Water Group G8940 AX40 Auxiliary Topside Control Panel. This unit is designed to function as an auxiliary control for Balboa BP Systems, offering additional control points for your spa or hot tub.

The AX40 is a genuine Balboa product, featuring a 4-button interface and a 6-pin Molex connector for reliable integration with compatible spa control systems.

Setup and Installation

Proper installation is crucial for the functionality and longevity of the auxiliary topside panel. Please follow these guidelines carefully.

1. **Power Disconnection:** Before beginning any installation, ensure that the main power to your spa or hot tub system is completely disconnected at the circuit breaker. This prevents electrical shock and damage to components.
2. **Locate Mounting Area:** Identify a suitable, flat surface on your spa shell for mounting the auxiliary topside panel. The panel size is approximately 7-1/2 inches by 2-5/16 inches.
3. **Prepare Mounting Surface:** Clean the mounting surface thoroughly to ensure proper adhesion if using the integrated adhesive backing. For screw-mounted installations, pre-drill pilot holes if necessary, taking care not to damage internal spa components.
4. **Connect Cable:** Route the 6-pin Molex connector cable from the auxiliary topside panel to the designated auxiliary port on your Balboa BP System control box. Ensure the connector is securely seated.
5. **Mount Panel:** Carefully position the auxiliary topside panel. If using adhesive, press firmly to secure it. If screw-mounting, use appropriate non-corrosive fasteners.
6. **Power Reconnection:** Once the panel is securely installed and connected, restore power to your spa system.



Image: The Balboa AX40 Auxiliary Topside Control Panel, showing the attached 6-pin Molex cable ready for connection to the main spa system.



Image: Rear view of the Balboa AX40 Auxiliary Topside Control Panel, illustrating the adhesive backing for secure mounting and the internal circuit board.

Operating Instructions

The AX40 Auxiliary Topside Control Panel features four buttons designed to provide convenient access to specific spa functions. The exact functions controlled by each button are determined by the configuration of your main Balboa BP System.



Image: Front view of the Balboa AX40 Auxiliary Topside Control Panel, highlighting its four distinct control buttons.

Common functions assigned to auxiliary panels include:

- Jet Pump Activation (e.g., Jet 1, Jet 2)
- Light Control (on/off, color change)
- Auxiliary Features (e.g., blower, waterfall)

Refer to your main spa system's instruction manual for specific details on how the auxiliary topside buttons are programmed and what functions they control.

Maintenance

To ensure the longevity and proper functioning of your auxiliary topside panel, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe the panel surface with a soft, damp cloth. Use only mild soap if necessary. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the panel's finish and electronics.
- **Inspection:** Periodically inspect the panel for any signs of damage, such as cracks, loose buttons, or wear on the cable. Ensure the panel remains securely mounted.
- **Connection Check:** If you experience intermittent issues, ensure the 6-pin Molex connector is still firmly seated in the main control box.

Troubleshooting

If you encounter issues with your AX40 Auxiliary Topside Control Panel, consider the following troubleshooting steps:

- **Panel Not Responding:**
  - Ensure the main spa system has power and is operational.
  - Check the 6-pin Molex connection at both the panel and the main control box to ensure it is secure.
  - Verify that the main spa system is not in a 'sleep' or 'standby' mode that disables auxiliary controls.
- **Buttons Not Activating Functions:**
  - Confirm that the specific function you are trying to activate is enabled and configured in your main spa system.

- Consult your main spa system's manual to understand the programming of auxiliary buttons.

If these steps do not resolve the issue, it is recommended to contact a qualified spa technician or Balboa Water Group customer support for further assistance.

Specifications

Feature	Detail
Topside Type	Electronic
Manufacturer	Balboa Water Group
Cord Connector Type	Molex, 6-Pin
Model	AX40
Number of Buttons	4
Topside Shape	Oval
Panel Size	7-1/2" x 2-5/16"
Part Type	Topside Only
Product Dimensions	7.95 x 5.6 x 3.05 inches

Warranty and Support

For information regarding the warranty of your Balboa Water Group G8940 AX40 Auxiliary Topside Control Panel, please refer to the documentation provided with your main spa system or contact Balboa Water Group directly. For technical support or service inquiries, please reach out to Balboa Water Group customer service or an authorized service technician.

Balboa Water Group Contact Information: Please visit the official Balboa Water Group website for the most current contact details.

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