

# TP400/600 Quick Reference Card



## Start Up

When the GFCI for the spa is switched on to supply power, a startup sequence of numbers will appear on the display. If no button is pressed, **LINK** will appear after the startup sequence. Press any button to link the panel with the system.

The spa will enter **Priming Mode**. After Linking, press the **Jets Button(s)**   to turn the pumps on and off to verify that all air is purged from the plumbing, *particularly the plumbing associated with the heater*. If the spa uses a circulation pump, the **Light**  Button turns the Circ Pump on an off during Priming Mode. Priming Mode will end automatically in 4 minutes. Pressing a **Temperature Button** will exit Priming Mode manually. When Priming Mode ends, Pump 1 low will start, if no circ pump is present, however the water temperature will not appear for a minute or so. Once the water temperature is recognized by the system, and if it is below the **Set Temperature**, the heater will start.

## Basic Operation

The **Up**  and **Down**  buttons are often referred to as **Temperature Buttons**. Some panels only have a single Temperature Button.

Press a **Temperature Button** once and the current **Set Temperature** will begin to flash on the LCD. (The Set Temperature and the actual water temperature are often different.) *While the numbers are flashing*, press a Temperature Button again to change the Set Temperature. Press-and-hold for faster adjustment. After the new Set Temperature stops flashing, in about 10 seconds, the actual temperature is displayed again and the new Set Temperature is programmed. The spa will now heat to the new Set Temperature as needed.

The **Light**  Button turns the Spa Light on and off and is also used in conjunctions with the Temperature Button(s) to navigate the system menus.

## Programming

Refer to the TP600 User Guide (40940) for detailed operation, programming and message instructions.

Navigating the deeper menu structure is done with only 2 or 3 buttons on the control panel.

Pressing the **Light** button *while the Set Temperature is flashing* will enter the menus.

Pressing **Light** after that will proceed through the menu choices. Pressing a **Temperature Button** while any menu item is showing will either edit it directly or begin an editing sequence.

Depending on the screen displayed, waiting between 10 and 30 seconds will allow the panel to return to normal operation and a display of spa status.



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Manufactured under one or more of these patents: U.S. Patents: 5332944, 5361215, 5550753, 5559720, 5.883,459, 6253227, 6282370, 6590188, 6976052, 6965815, 703043, 7.417.834 B2, Canadian Patent: 2342614, Australian patent: 2373248 other patents both foreign and domestic applied for and pending. All material copyright of Balboa Water Group.

Download the complete User Interface and Programming Guide at [http://service.balboa-instruments.com/zz40940\\_download.zpi](http://service.balboa-instruments.com/zz40940_download.zpi)

## Complete Reference

If the filtration pump is a 2-Speed Pump 1, **READY** Mode will circulate water every 1/2 hour, using Pump 1 Low, in order to maintain a constant water temperature, heat as needed, and refresh the temperature display. This is known as "polling."  
**READY/REST** Mode may appear when Jets 1 is activated.  
**REST** Mode will only allow heating during programmed filter cycles. Since polling does not occur, the temperature display may not show a current temperature until the filtration pump has been running for a minute or two.

## Ready and Rest Modes

This system incorporates two temperature range settings with independent set temperatures. The **High Range** is indicated in the display **RANGE▲** and might be set between 80°F and 104°F. The **Low Range** is indicated in the display **RANGE▲** and might be set between 50°F and 99°F. Low Range may be economical during non-use periods. More specific temperature ranges, such as 50°F to 79°F for low range, or 90°F to 104°F for High Range, may determined by the manufacturer.

## Dual Temperature Ranges

The system is factory-programmed with one filter cycle that will run in the evening (assuming the time-of-day is properly set) when energy rates are often lower. The filter time and duration are programmable. Refer to the TP600 User Guide (40940) for detailed instructions.  
A second filter cycle can be enabled as needed.

