



Technical Bulletin

This Technical Bulletin is being distributed to all Sales Representatives, Dealers and Service Centers to inform about new ST Mini, capacitive touch screen hardware, being released and available as a direct fit option for older ST1 type touch panels (dating back to 2014, in various models). Due to the history, over the last few years, with the ST1 touch panels and the overall age of the design (component availability becoming more of a challenge and etc.), Balboa Water Group and Master Spas worked together to develop new touch panel hardware and plastic that would be a direct, drop in place option for aging ST1 hardware. As doing so, we've developed both a general trapezoid shape and our custom "watch" shape versions of this new ST Mini. These panels have also been designed to simply use the original OEM overlay, used when the spa/swim spa was originally produced and shown in the model year reference sheet.

Original ST1 Hardware Panel Examples (2, of many, part numbers used since 2014):



New ST Mini Capacitive Touch Panels:

- X310341 PANEL, ST MINI WATCH 15' CORD
 - Master Spas custom "watch" shape, used in 2019-2021 Twilight, H2X Trainer and H2X Challenger models.
- X310342 PANEL, ST MINI TRAPEZOID 15'
 - Generic "trapezoid" shape, used in various models between 2014 and 2022.
 - Expected to be received and available starting November 2024.
 - These are ***not*** fully compatible with 2014-2018 MP Swim Spa using our MS80/MS81 Swim Number Systems. See X310350 and X310351.

These new ST Mini touch panels are capable of operating with standard BP spa systems, Challenger VSPs and are also Cim8Zone Heat Pump ready (offering the Clim8Zone heat pump setting menus, when compatible control system recognizes the heat pump connected)!

ST Mini “Watch” Example with Original Twilight Overlay:



ST Mini Screenshots:



Attached to this bulletin are portions of the control instructions, supplied by Balboa (some features may not be applicable to Master Spas equipment and systems).

As ordering replacement parts online, you will begin to see original ST1 panels offering these new ST Mini touch panels as an alternative option that could be used for replacement.

If you have any questions concerning this or any other Technical Bulletin, feel free to contact Customer Service at
Email - Info@pool-spa-supplies.com

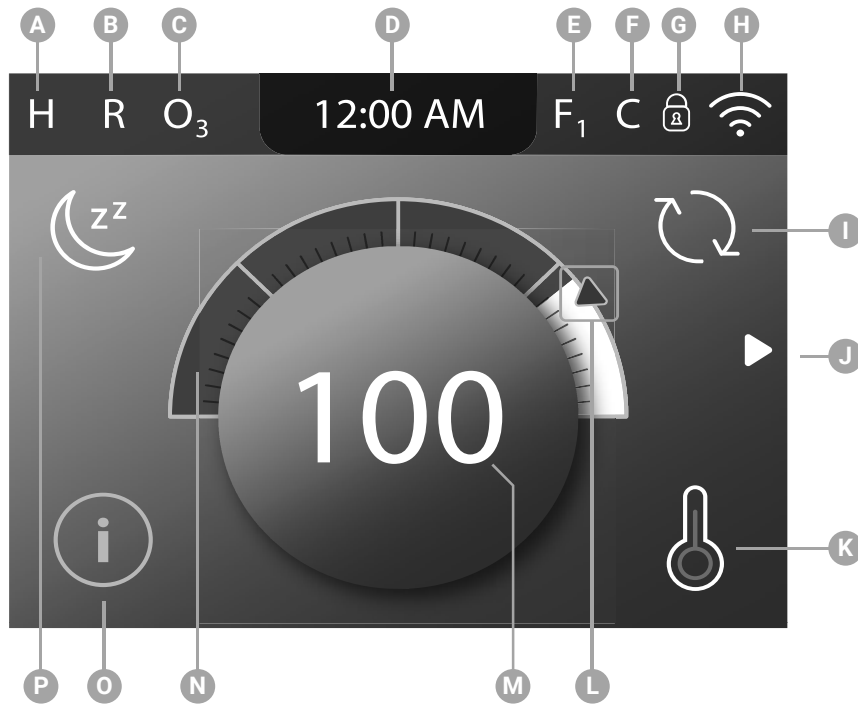


SPA TOUCH™ mini

USER GUIDE



REVIEW MAIN SCREEN



A - Temperature range

High: **H**

Low: **L**

B - Heat mode

Ready: **R**

Rest: **RE**

Ready-in-Rest: **RR**

C - Ozone is running: **O₃**

D - Time-of-day

E - Filter cycle is running

Filter cycle 1: **F₁**

Filter cycle 2: **F₂** (optional feature)

Filter cycles 1 & 2 running together: **F₁₂**

F - Cleanup cycle is running
(Optional Feature)

G - Panel is locked and/or

Settings is locked

H - Balboa Worldwide App or ControlMySpa
connected (local or cloud connection)

I - Invert display

J - Go to Main menu

K - Heat Status

L - Set Temperature indicator


M - Water temperature

N - Water temperature bar

O - Message (may appear)

 Information

 Reminder

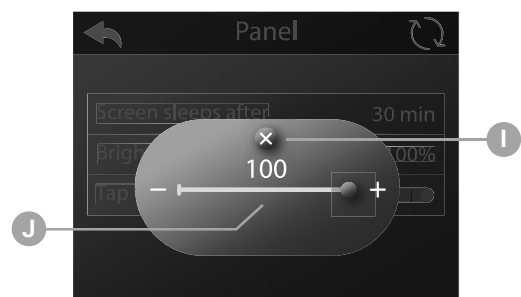
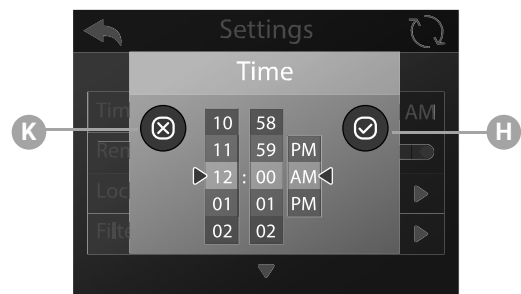
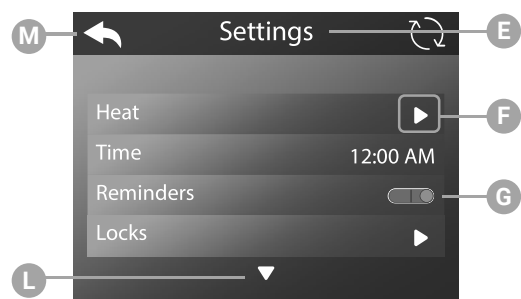
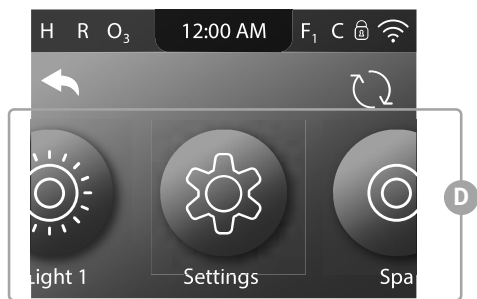
 Error - normal error
or warning

 Error - spa will not
function until fixed

P - Put panel to sleep

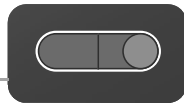
Important information about
the current state of your spa is
displayed on the Main screen.

*NOTE: not all control systems are
configured the same. Spa devices,
Settings, and various menu items
may vary on your control panel.*

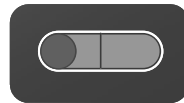


REVIEW USER INTERFACE

- A - These icons indicate the state of your spa.
Press an icon to see an explanation of the state.
- B - Main screen.
- C - Go to Main menu.
- D - Main menu. Swipe left/right to view the menu options.
- E - Screen title.
- F - Go to next screen.
- G - On/Off switch.
- H - Save new setting.
- I - Close screen.
- J - Increase/decrease setting.
- K - Cancel new setting.
- L - Go down the list.
- M - Go back to previous screen.



Switch On



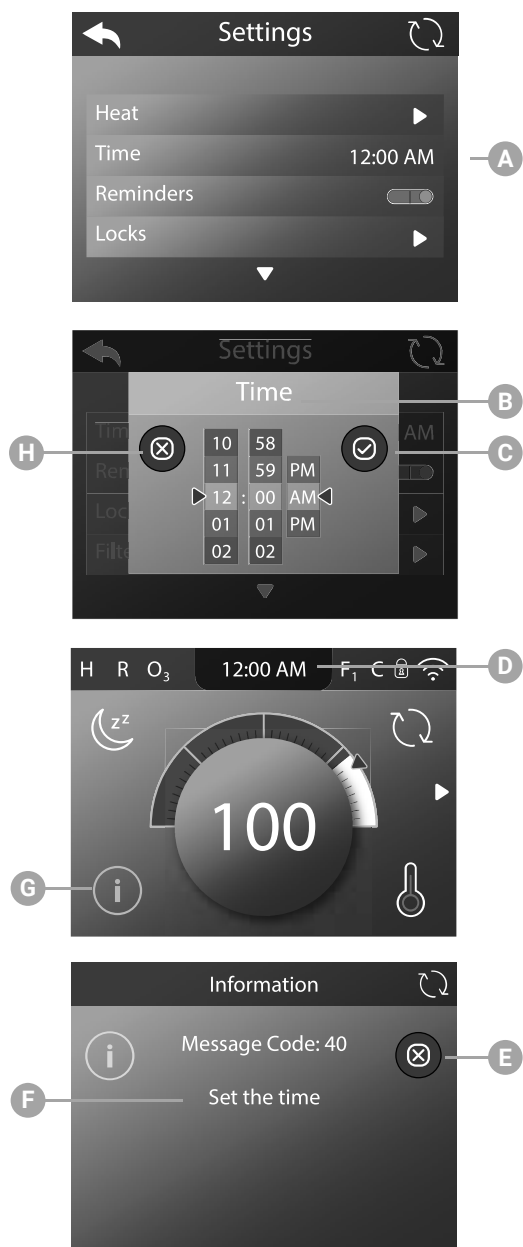
Switch Off

NAVIGATE SETTINGS MENU

Start from the Main screen (B). Press the navigation arrow (C) to view the Main menu (D). Swipe right until the Settings button appears in the center (D). Press the Settings button to view the Settings screen (E). Swipe up/down or press and hold the arrow (L) to view available settings.



View Quick Tip video.



SET TIME OF DAY

Follow these steps to set the time of day:

1 - Go to the Main menu, Settings, and Time (A) to view the Time screen (B).*

2 - Set the time.

3 - Cancel your setting (H), or save your setting (C).

Note: if the time of day has not been set, this Information icon appears (G). Press the icon to view the message (F). Exit the screen (E).

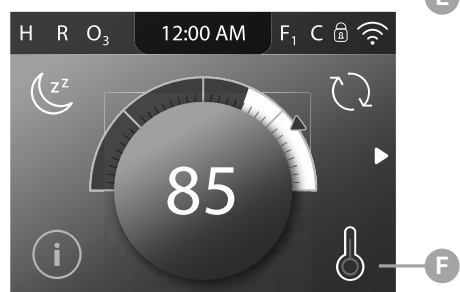
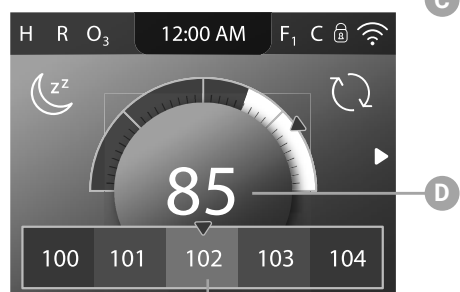
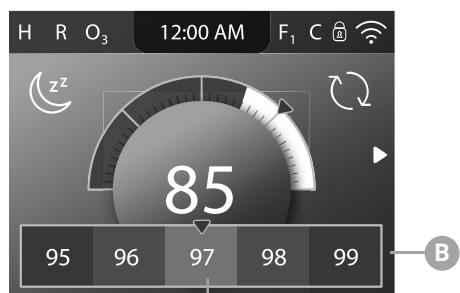
You can set the time-of-day to be shown in either a 12-hour display or a 24-hour display in the Units setting (view page 9).

Setting the time of day can be important for determining water filtration times and other background features.



View Quick Tip video.

* View "Navigate Settings Menu" on page 4.



CHANGE/VIEW SET TEMPERATURE

In this example, we will change the Set Temperature from 97 to 102 by using the following steps:

1 - Press the water temperature display/button (A) to view the temperature menu (B). The center box (C) indicates the current Set Temperature.

2 - Swipe the temperature menu until 102 is in the center box (E). If 102 appears but is not in the center box, tap 102 and it will move to the center box.

3 - Press the water temperature display/button (D) to exit the temperature menu.

How do I view the water temperature?

The water temperature is displayed on the Main screen (A).

How do I know when the water heater is On?

The center of the Heater Status icon turns red (F). The center flashes red when the heater is preparing to turn On. The center turns white (H) when the heater is Off.

What do the dashes mean (G)?

They indicate that the spa control has not checked the water temperature for approximately an hour. A pump needs to cycle water through the heater for the control system to check the water temperature. After water cycles through the heater for 1 minute, the dashes are replaced with the current water temperature (A). Whenever the control system is powered On, dashes appear (G) for one minute while a pump cycles water through the heater to check the current water temperature.



View Quick Tip video.



RUN SPA DEVICES

A spa device is a pump, blower, light, etc. Follow these steps to run spa devices:

1 - Go to the Main menu (A) and Spa (B) to view the Spa screen (C).

2 - Run the spa devices.

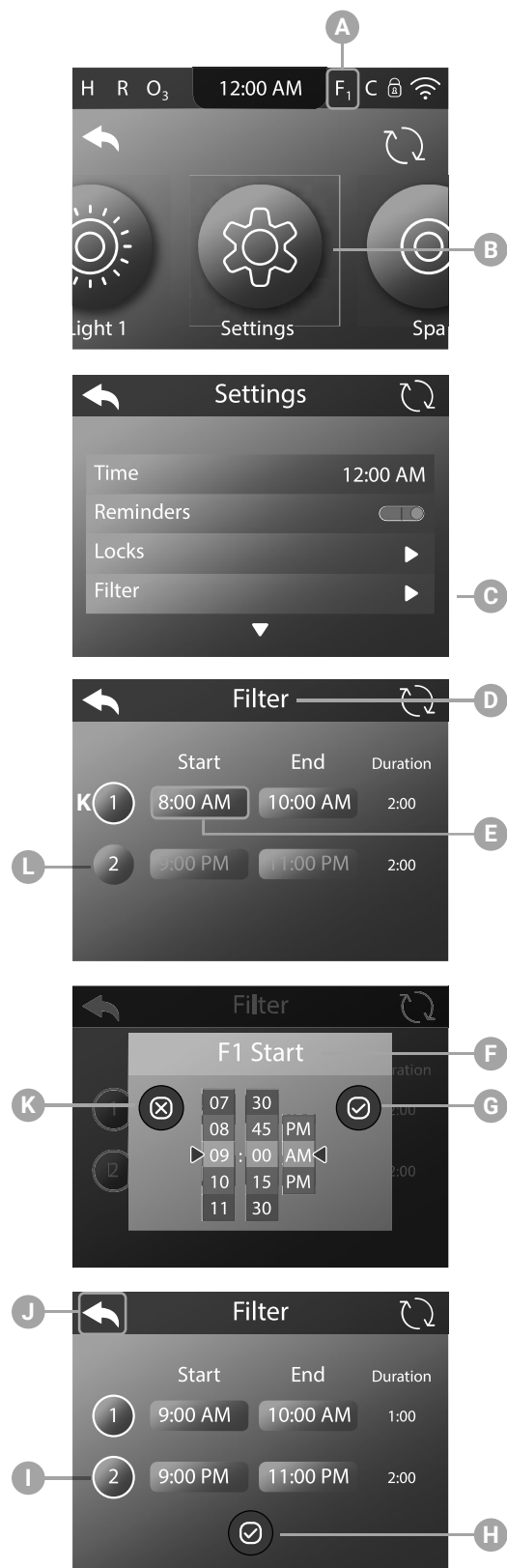
The functionality of each spa device may vary. For example, some devices may have a single speed or state, while other spa devices may have multiple speeds or states. Your spa configuration will determine the number of spa devices and the functionality of each device.

One Spa screen (C) can display a maximum of six devices. If your spa has more than six devices, an arrow button will appear (D). Press the arrow button to view and/or run devices on the next Spa screen.

If a circulation pump icon appears (E) in the Spa screen, the icon is not controllable. It is there to show you the equipment status only. However, the circulation pump can be controlled with a button (E) during Priming mode. View page 17 for information on Priming mode.



View Quick Tip video.



SET FILTER CYCLE TIME

Follow these steps to set the start time of filter cycle 1:

1 - Go to the Main menu, Settings (B), Filter (C), and press this field (E) to view the F1 Start screen (F).*

2 - Set the start time.

3 - Cancel your settings (K), or save your settings (G).

4 - Follow the same process to set the other times in the Filter screen (D).

5 - Filter Cycle 2 is optional. If Filter Cycle 2 is disabled (L), press the "2" button (L). A white ring will appear around the button (I) which indicates that Filter Cycle 2 is activated.

6 - Set the times for Filter Cycle 2.

7 - Once all of the times are set, you can cancel your settings by using the Back icon (J), or save your settings (H).

"F1" appears here (A) when filter cycle 1 is running.

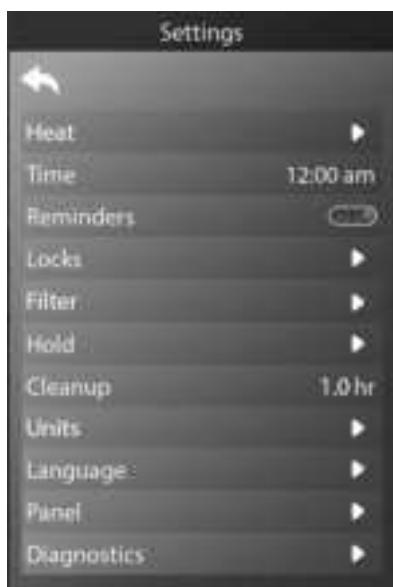
"F2" appears here (A) when filter cycle 2 is running.

"F12" appears here (A) when filter cycles 1 & 2 are running together.

* View "Navigate Settings Menu" on page 4.



View Quick Tip video.



REVIEW SETTINGS MENU

Fine tune your spa with a wide variety of settings (A).

HEAT

Make sure your spa is heated and ready to enjoy with heat settings (view page 11).

TIME

Set the time of day to insure scheduled features have proper timing (view page 5).

REMINDERS

Reminders are helpful spa maintenance messages that display periodically.

LOCKS

Lock the panel and/or settings (view page 15).

FILTER

Keep your spa water clean and ready to enjoy by setting filter cycles (view page 8).

HOLD

Hold is used to disable the pumps during service functions like cleaning or replacing the filter. Hold mode may last for 1 hour unless the mode is exited manually. If spa service will require more than an hour, it may be best to simply shut down power to the spa.

CLEANUP *(Optional)*

When a pump or blower is turned on by a button press, a cleanup cycle may begin 30 minutes after the pump or blower is turned off or times out. The pump and the ozone generator may run for 30 minutes or more, depending on the system. Cleanup can be turned Off by setting it to 0.0 hr.

UNITS

Select how time and temperature are displayed. The temperature choices are Fahrenheit or Celsius. The time choices are 12 or 24 hour mode (view page 10).

LANGUAGE

Select from a variety of languages.

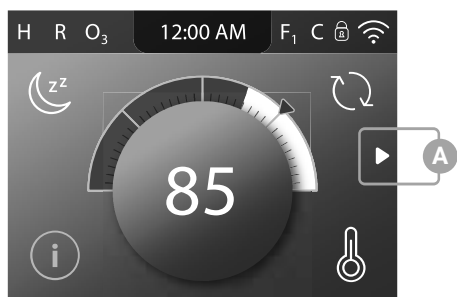
PANEL

Set how long it takes the panel to go to sleep after the last activity, and adjust other panel settings (view page 13).

DIAGNOSTICS

Diagnostics has useful information and features such as system information, fault log, and GFCI test (view page 16).

*GFCI test applies to North America only.
This feature is not available on CE
rated systems.*

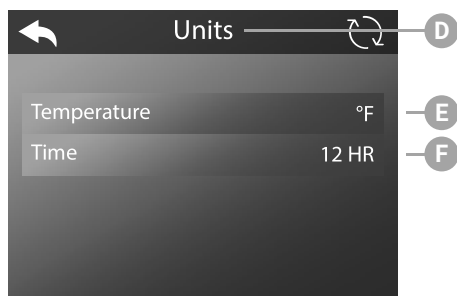
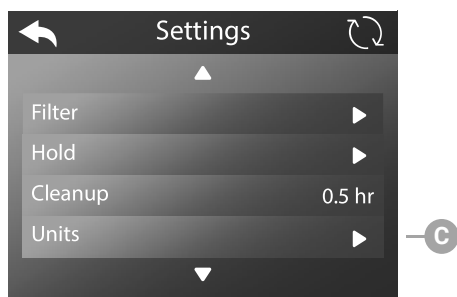
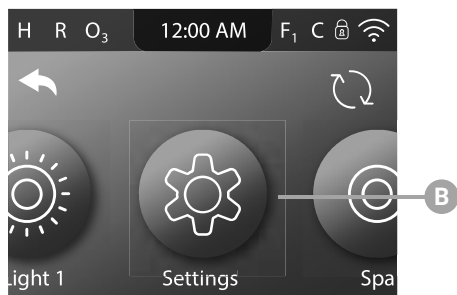


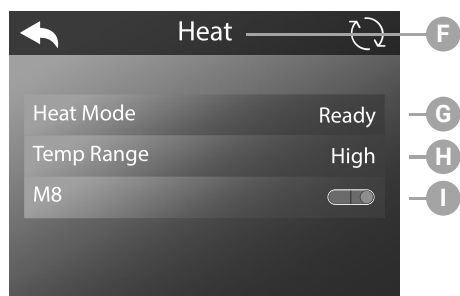
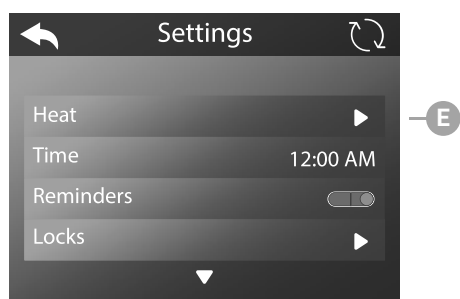
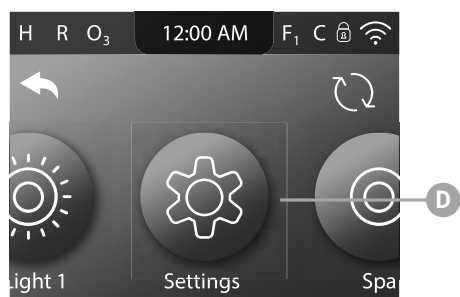
SET UNITS

Follow these steps to set the units:

1 - Go to the Main menu (A), Settings (B), and Units (C) to view the Units screen (D).

2 - Choose your Units (E)(F). Changes take effect immediately. No need to press a save button.





CHANGE HEAT SETTINGS

Keep your spa heated and ready to enjoy, or keep it cool and save energy. Heat settings help you do both.

Follow these steps to change the heat settings:

1 - Go to the Main menu (C), Settings (D), and Heat (E) to view the Heat screen (F).

2 - Choose your settings (G)(H)(I). Changes take effect immediately. No need to press a save button.

HEAT MODE (G)

There are three heat modes: Ready, Rest, Ready-In-Rest. If your spa is in Ready mode, "R" appears here (B). Ready mode keeps the water temperature close to the Set Temperature 24 hours a day. If you use your spa consistently, select Ready mode. If your spa is in Rest mode, "R" appears here (B). Rest mode only heats the water during filter cycles. If you do not use your spa consistently, select Rest mode. If your spa is in Ready-In-Rest Mode, "RR" appears here (B). Ready-in-Rest Mode is the same as Rest Mode, except Ready-in-Rest Mode heats the water, if necessary, for one hour when you turn On Jets 1. If the spa is in Ready-in-Rest mode and you go to the Heat screen (F), that cancels Ready-in-Rest Mode and puts you back into Rest Mode, even if you press no buttons while on the Heat screen.

TEMP RANGE (H)

There are two temperature ranges: High, Low. If your spa is in High Range, "H" appears here (A). High Range may limit the Set Temperature range to 80° - 104° F (26.5° - 40.0° C).

If your spa is in Low Range, "L" appears here (A). Low Range may limit the Set Temperature range to 50° - 99° F (10.0° - 37.0° C).

M8 (I)

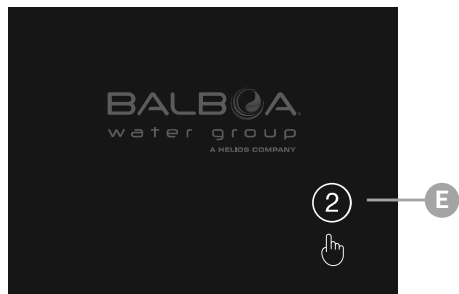
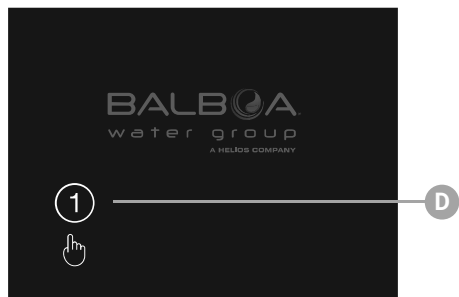
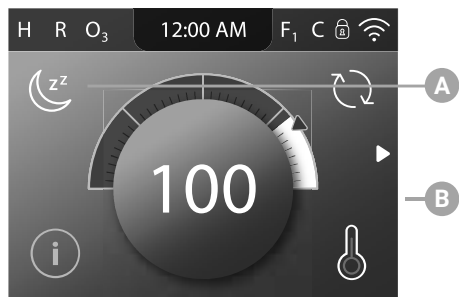
M8 looks for opportunities to decrease device usage by evaluating water temperature readings. Stable water temperatures equal less device usage and less wear and tear.

Note: M8 is not available on all control systems.



View Quick Tip video.

Main Screen



ACTIVATE SLEEP MODE

Press the sleep button (A) to put the panel to sleep. The black screen (C) indicates that the panel is asleep.

The panel automatically goes into sleep mode when it is not used for a specified duration. The duration can be adjusted (view "Screen sleeps after" on page 12). Short times are recommended because it decreases the chance of water activating buttons.

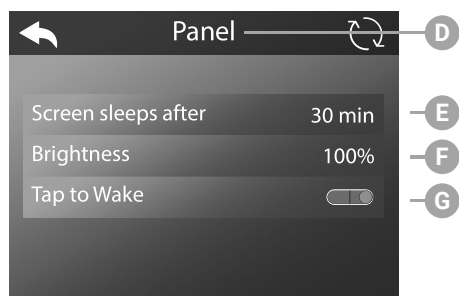
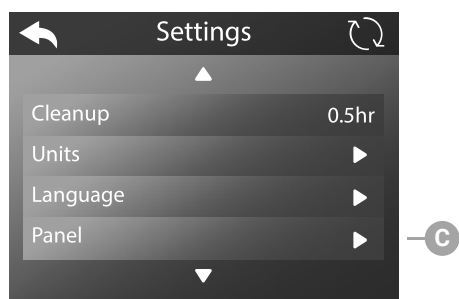
Follow these steps to wake the panel:

- 1 - Press the black screen (C).
- 2 - If the main screen appears (B) within a few seconds, you're done. If this appears (D), go to step 3.
- 3 - Press "1" (D) then "2" (E).

You can determine if the panel wakes with one touch or three touches (view "Tap to Wake" on page 13). The purpose of multiple touches is to make it very unlikely that water can wake the panel.



View Quick Tip video.



CHANGE PANEL SETTINGS

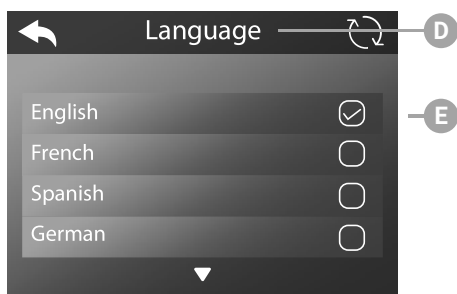
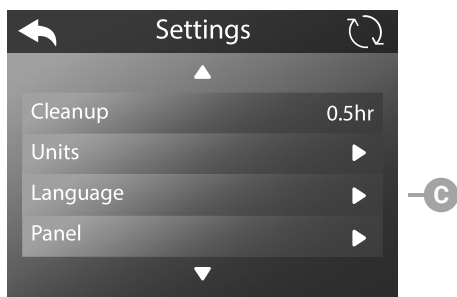
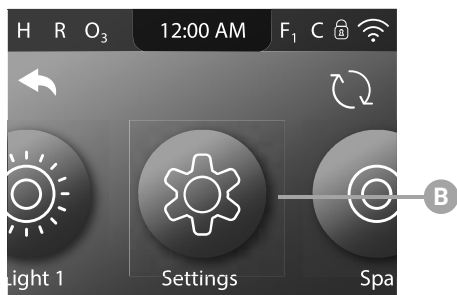
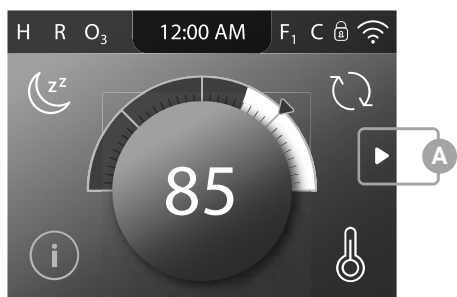
Follow these steps to set the units:

- 1 - Go to the Main menu (A), Settings (B) and Panel (C) to view the Panel screen (D).
- 2 - Choose your settings. Changes take effect immediately. No need to press a save button.

"Screen sleeps after" (E) is the amount of time it takes for the panel to go into sleep mode. Short times are recommended because it decreases the chance of water activating buttons.

"Brightness" (F) is the panel brightness.

"Tap to Wake" (G) determines if the panel wakes with one touch or three touches (view page 14). If the switch icon is Off, one touch will wake the panel. If the switch icon is On as shown here (G), three touches will wake the panel. The purpose of three touches is to make it very unlikely that water can wake the panel.



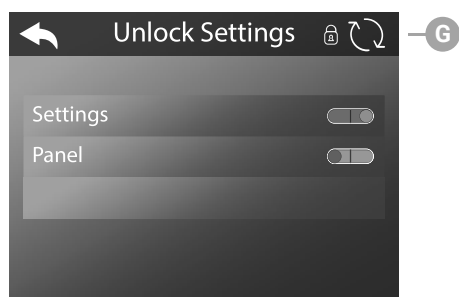
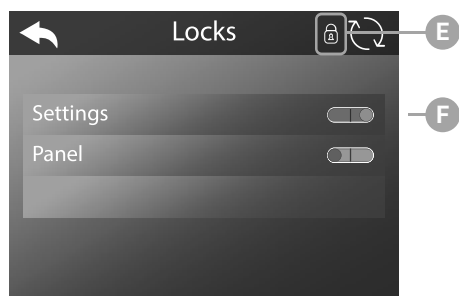
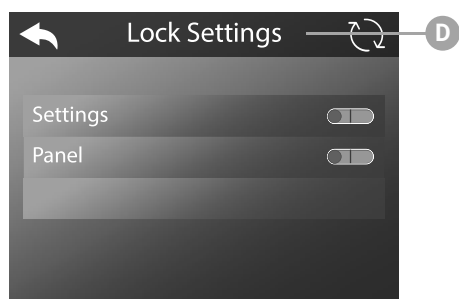
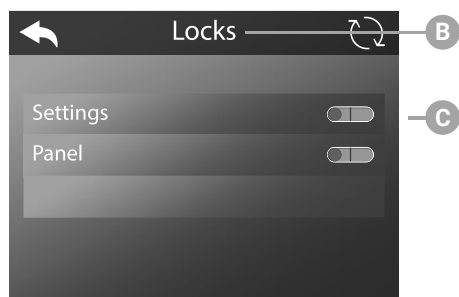
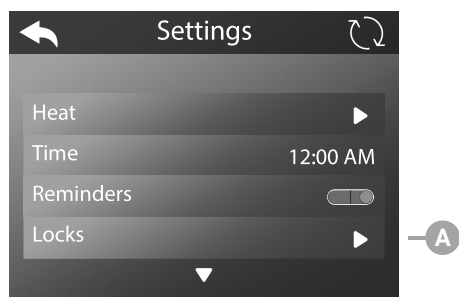
SELECT A LANGUAGE

Follow these steps to select a language:

1 - Go to the Main menu (A), Settings (B) and Language (C) to view the Language screen (D).

2 - Choose your language (E). Changes take effect immediately. No need to press a save button.

If your spa has two control panels, language is set independently on each control panel.



LOCK THE PANEL AND/OR SETTINGS

Follow these steps to lock the Settings:

- 1 - Go to the Main menu, Settings, Locks (A).^{*} Settings are unlocked in this example (C).
- 2 - Press Settings (C) and "Lock Settings" will appear (D).
- 3 - Press-and-hold "Lock Settings" (D) for approximately 5 seconds. After 5 seconds a lock icon will appear (E) and the switch icon will turn On (F).

Lock icons appear in these locations (E)(H) when the Settings are locked.

Follow these steps to unlock the Settings:

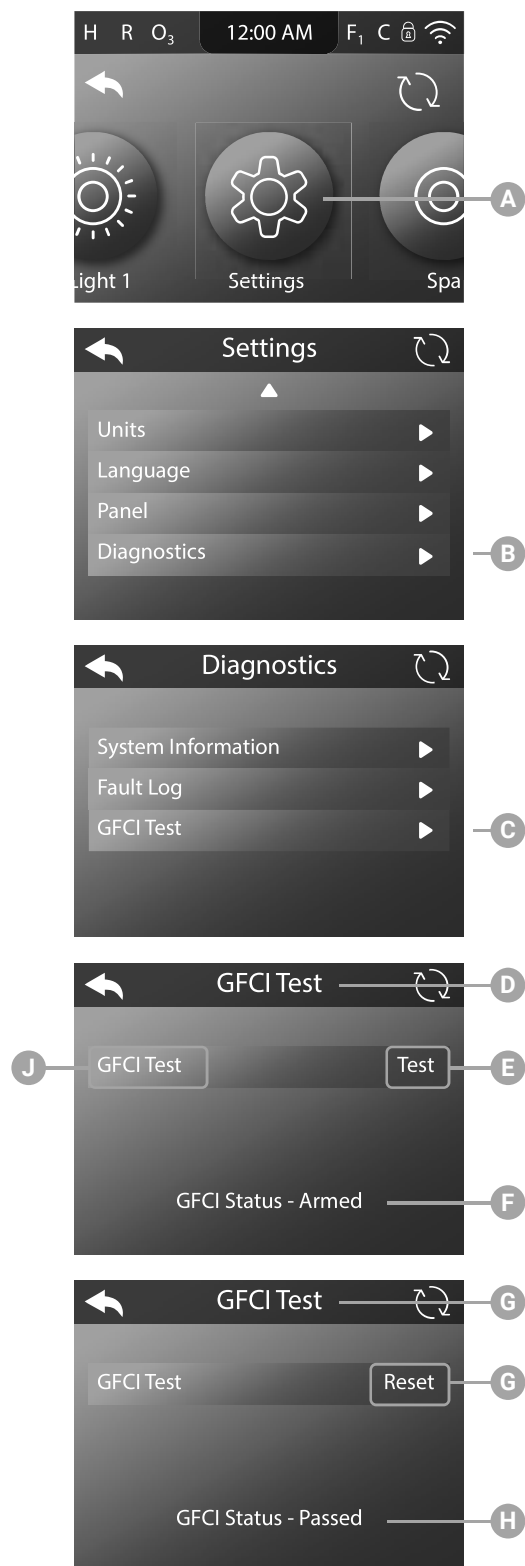
- 1 - Press Settings (F), and "Unlock Settings" will appear (G).
- 2 - Press-and-hold "Unlock Settings" (G) for approximately 5 seconds. After 5 seconds, the lock icon disappears, and the switch icon turns Off.

Follow the same steps to lock/unlock the panel. Lock icons appear in these locations (E)(H) when the Panel and/or Settings are locked.

If your spa has two panels, the lock/unlock feature is applied to both panels.



^{*} View "Navigate Settings Menu" on page 4.



PERFORM GFCI TEST

GFCI test applies to North America only. This feature is not available on CE rated systems.

Follow these steps to perform a GFCI test:

1 - Go to the Main menu, Settings (A), Diagnostics (B), GFCI Test (C) to view the GFCI Test screen (D).*

2 - Press GFCI Test (E) to perform the test.

3 - View the GFCI Status (F).

If the GFCI Test status is "Passed" (H), you may not need to perform this test. This test cannot be performed without resetting the GFCI first (G).

If the GFCI Test status is "Armed" (F), proceed to the next step.

4 - Press "GFCI Test" (J) to perform the test. Within approximately 12 seconds, one of the following two things will happen:

1 - The spa powers Off. After the spa powers Off, go to the GFCI and power On the spa. When the spa is powered On, it goes into Priming Mode. When Priming Mode is complete, navigate to the GFCI Test screen and confirm that it says "GFCI Status - Passed" (G).

2 - A "GFCI Test Failed" message appears. In this case, contact a qualified service technician. While you wait for the spa technician to arrive, the spa can be run normally for a time by cycling the power.

Reset Button: The most common use of Reset (F) is when moving the spa to a new location. Using Reset (F) forces a new Test to be performed at the new location.

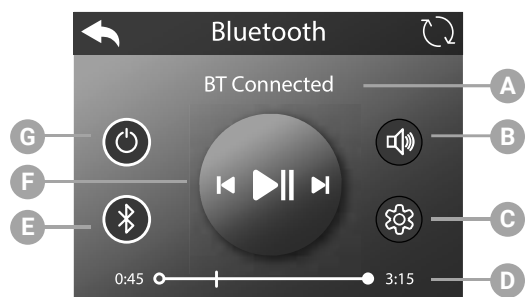


bba™ 3
BALBOA BLUETOOTH AUDIO

Enjoy an immersive spa experience
with Balboa Bluetooth Audio.

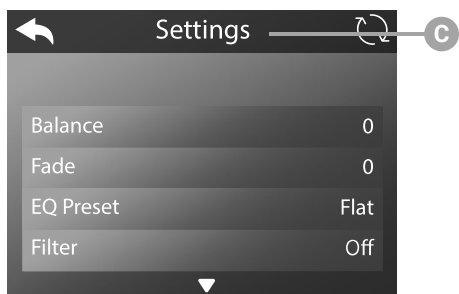
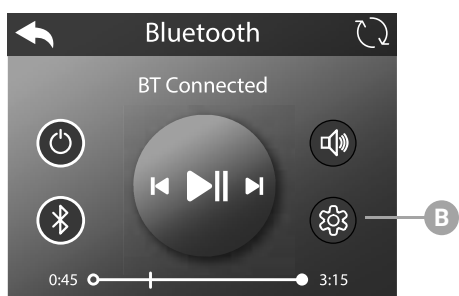
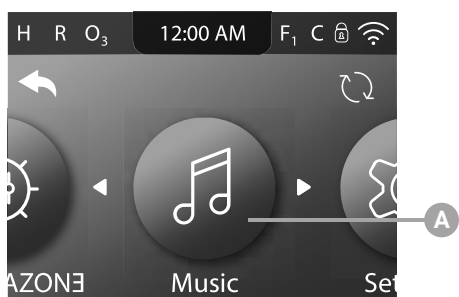
Note: BBA 3 is not available on all control systems.

bba 3 Screen



REVIEW BBA 3 SCREEN

- A - Song title & artist / Bluetooth status.
- B - Volume control
- C - Audio settings
- D - Progress bar
- E - Input modes: Bluetooth, Line In **
- F - Play, Pause, Track next, Track previous
- G - Power On/Off



FINE-TUNE YOUR SOUND

Follow these steps to fine-tune the sound:

- 1 - Go to the Main menu, Music (A), Settings (B) to view the Settings menu (C).*
- 2 - Fine tune your sound with the following controls:

Balance
 Fade
 EQ Preset
 Filter
 Bass Gain

* View "Navigate Main Menu" on page 4.

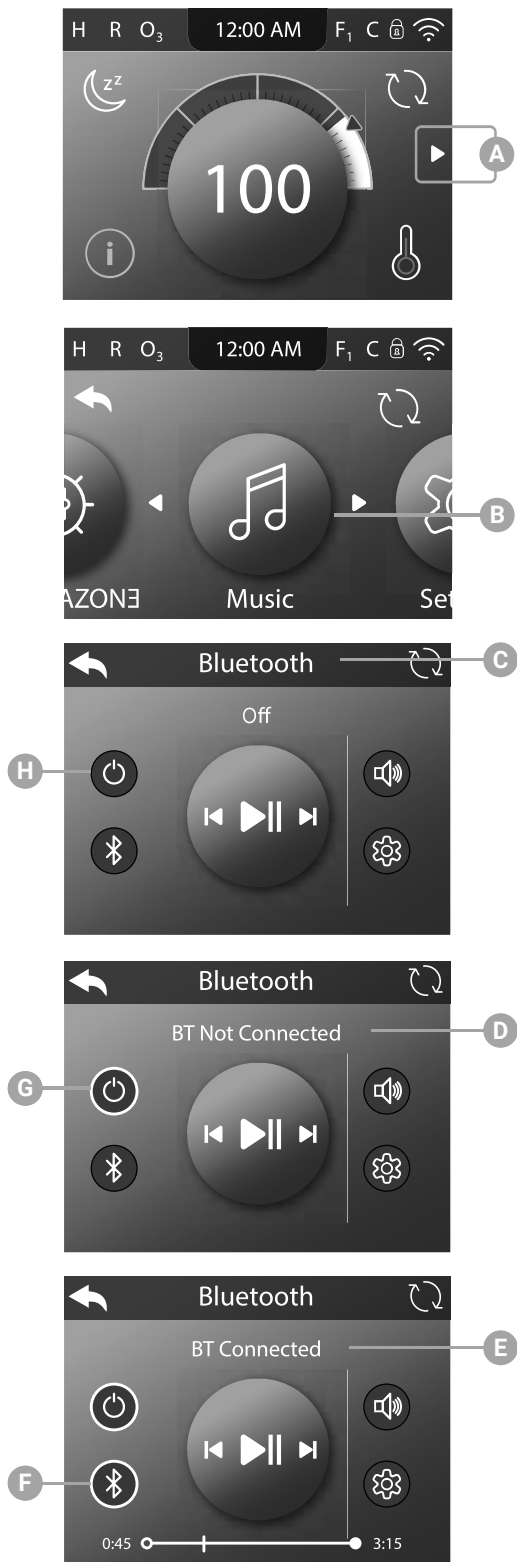
** 1 - Some spas may not provide a "Line In" option.

2 - If your screen shows "USB", you have an older bba 1 or bba 2 unit.

PAIR YOUR SMART DEVICE

- 1 - Go to the Main menu (A), Music (B) to view the Bluetooth screen (C).
- 2 - Turn On the bba 3 amplifier (H). This message appears (D) when your smart device is not connected/paired with the bba 3 amplifier. "BT" stands for Bluetooth.
- 3 - On your smart device, turn On the Bluetooth function and click search for Bluetooth device. Make sure the smart device is close enough to the spa tub, so the smart device can pair with the bba 3 amplifier.
- 4 - On your smart device, select "BBA Spa Music" from the pairing list. If "BBA Spa Music" does not appear, repeat steps 1 - 3.
- 5 - Some smart devices will connect automatically, but with others you will need to select "Connect." Once connected, a white ring appears around the Bluetooth icon (F) and "BT Connected" appears (E).

Note: All paired devices are erased from the bba 3 amplifier when power to the spa is cycled. While the bba 3 amplifier forgets your smart device when the spa power is cycled, your smart device might not forget the bba 3 amplifier. In this case, an error message may appear if you try to reconnect. You may need to have your smart device "forget" the bba 3 amplifier, and only after that connect to the bba 3 amplifier again to avoid such error messages.





CLIM8ZONE™



Tailored to fit your precise needs, CLIM8ZONE is an energy efficient and cost effective way to heat or cool the water of your spa.

Note: CLIM8ZONE is not available on all control systems.

CLIM8ZONE MODES

3 speed modes:

- 1 - **Auto Smart** (Default)
 - For heating or cooling.
 - Uses artificial intelligence.
 - Variable heating/cooling capacity.
 - The Clim8zone[®] computer automatically adjusts the compressor frequency up or down using an algorithm that is based on ambient air temperature and water temperature.
 - This algorithm balances a best case in most conditions for efficiency and noise vs heating/cooling output of the Clim8zone unit.
- 2 - **Manual High**
 - For heating or cooling.
 - Highest heating capacity.
 - Fastest water heating/cooling.
 - Low COP (i.e. Low Energy Efficiency).
 - High compressor frequency – Fixed, i.e. does not adjust based on environmental conditions.
- 3 - **Manual Low**
 - For Heating or Cooling.
 - Lowest Heating/Cooling Capacity.
 - Slowest Water Heating.
 - High COP (i.e. High Energy Efficiency).
 - Low Compressor Frequency – Fixed, i.e. does not adjust based on environmental conditions.

4 Clim8zone modes:

- 1 - **Heat and Cool**

This mode heats and cools the spa water with the Clim8zone unit enabled.
- 2 - **Heat Only**

This mode only heats the spa water.
All cooling with the Clim8zone[®] unit is disabled.
- 3 - **Cool Only**

This mode only cools the spa water.
All heating on the spa is disabled.
- 4 - **Disabled**

The Clim8zone[®] unit is disabled.

4 eHeater modes:

Modes 1 - 3 are manually selectable.

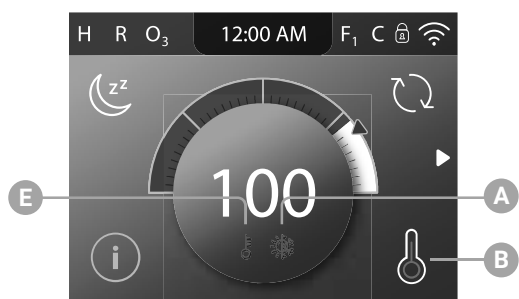
- 1 - **Continuous**

The electric heater (eHeater) is continuously enabled.
- 2 - **Auto**

Auto mode activates the electric heater if the water temperature at the start of heating is at least 10 °F below the set temperature.
- 3 - **Disabled**

The electric heater is continuously disabled.
- 4 - **Enabled**

The electric heater is continuously enabled.
This setting is selected automatically when Clim8zone mode is set to "Disabled."



THE MAIN SCREEN WITH CLIM8ZONE

The following two icons appear on the Main screen when the spa has Clim8zone:

- (E) - Electric heater
- (A) - Clim8zone

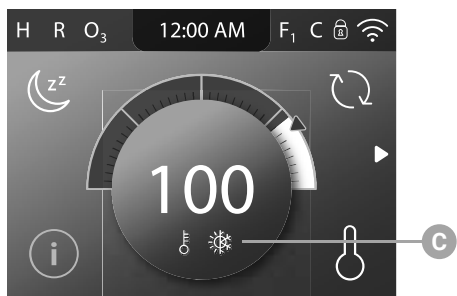
Each icon (E)(A) changes color to indicate the state of the electric heater and/or Clim8zone unit.

- Red: Heating
- Blue: Cooling
- White: Inactive
- Grey: Disabled

The thermometer icon in the lower right corner (B) changes color to indicate the state of the electric heater and/or Clim8zone unit as well.

- Red: Heating (Clim8zone and/or electric heater)
- Blue: Cooling (Clim8zone)
- Hollow: Off
- Flashing: Preparing to heat or cool

When the Clim8zone shuts off, a flashing, white Clim8zone icon appears on the main screen (C) and the Spa screen (D) for up to a minute. During this short time, other spa devices will not operate. This is a power management feature.



SET THE CLIM8ZONE MODE

Follow these steps to set the Clim8zone mode:

1 - Go to the Main menu (A), Settings (B), Clim8zone (C), Speed (D) to view the Clim8zone screen (E).

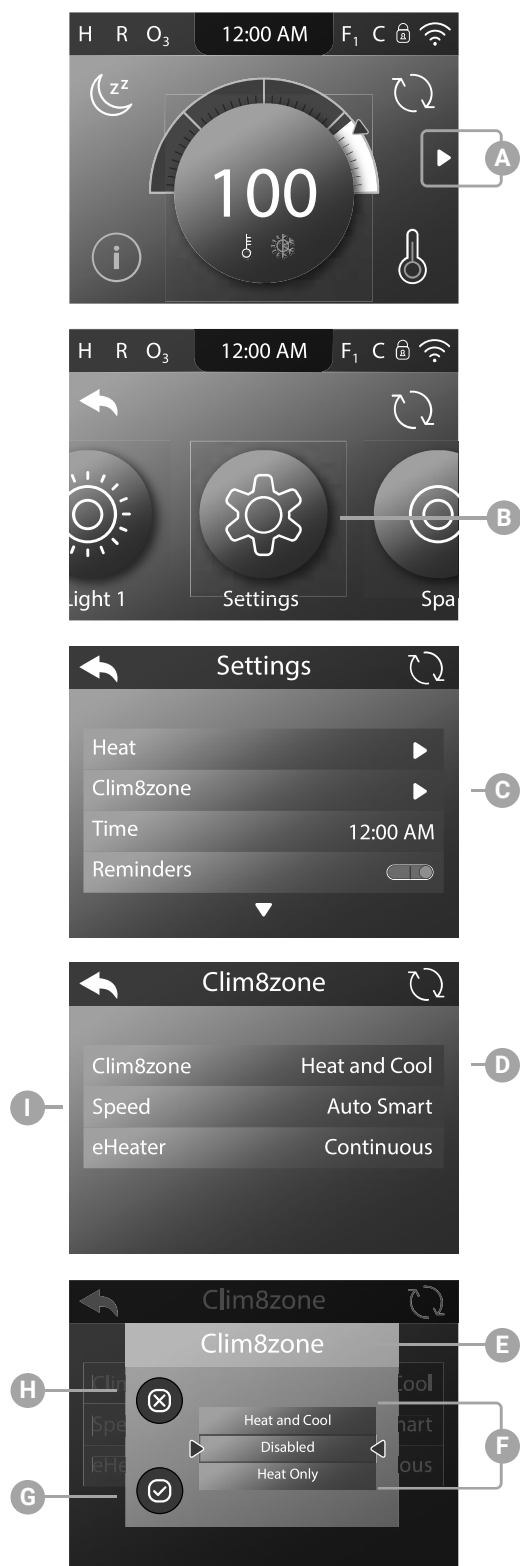
2 - Select a mode (F).

3 - Cancel your setting (H), or save your setting (G).

Clim8zone Modes:

Heat and Cool
Heat Only
Cool Only
Disabled

NOTE: Clim8zone II does not support speed modes, so Speed (I) will not appear in the Clim8zone screen.



SET eHeater MODE

Follow these steps to set the Speed mode:

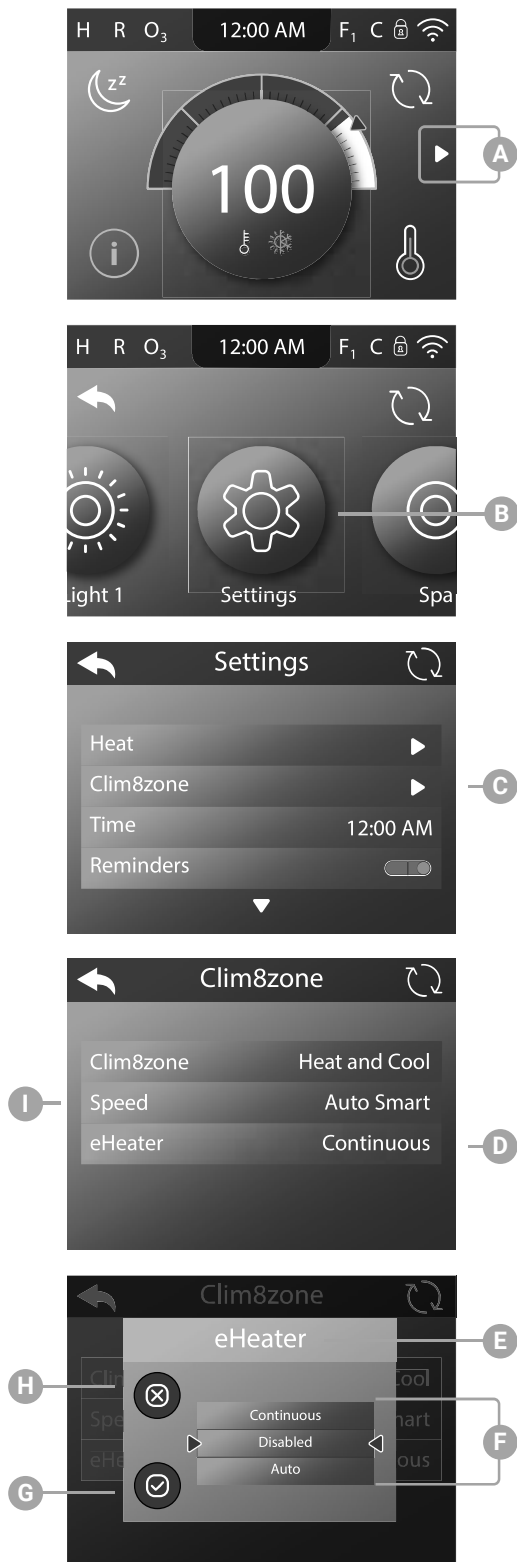
- 1 - Go to the Main menu (A), Settings (B), Clim8zone (C), eHeater (D) to view the eHeater screen (E).
- 2 - Select a mode (F).
- 3 - Cancel your setting (H), or save your setting (G).

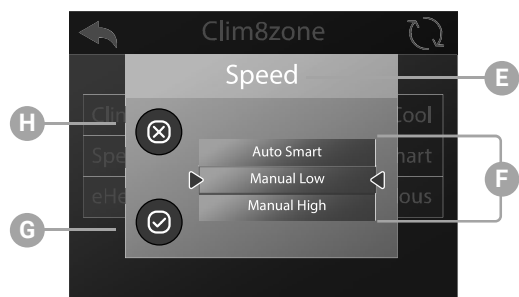
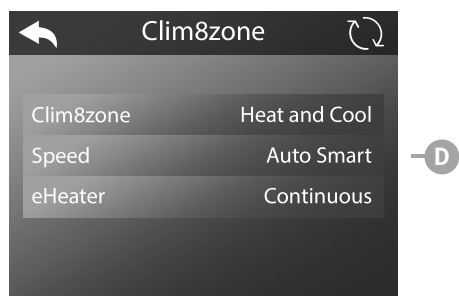
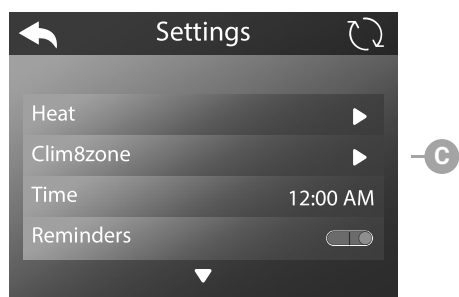
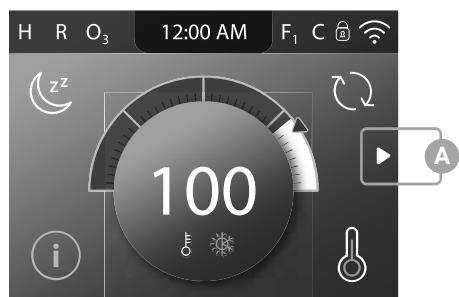
eHeater Modes:

Continuous
Disabled
Auto

NOTE: eHeater mode is not available when Clim8zone is set to "Cool Only" or "Disabled" (view page 33).

Clim8zone II does not support speed modes, so Speed (I) will not appear in the Clim8zone screen.





SET THE SPEED MODE

Follow these steps to set the Speed mode:

1 - Go to the Main menu (A), Settings (B), Clim8zone (C), Speed (D) to view the Speed screen (E).

2 - Select a mode (F).

3 - Cancel your setting (H), or save your setting (G).



Clim8zone supports speed modes.



Clim8zone II does not support speed modes, so Speed (D) will not appear in the Clim8zone screen.

SPA TOUCH MINI PANEL COMPATIBILITY

The Spa Touch mini is compatible with the following Balboa Water Group products.

CONTROL PANEL



Spa Touch mini

BALBOA BLUETOOTH AUDIO



bba 3

SPA LIGHTING



Chromazone

CONTROL SYSTEMS



All BP systems with software version 9.0 and above.

CLIM8ZONE HEAT PUMPS

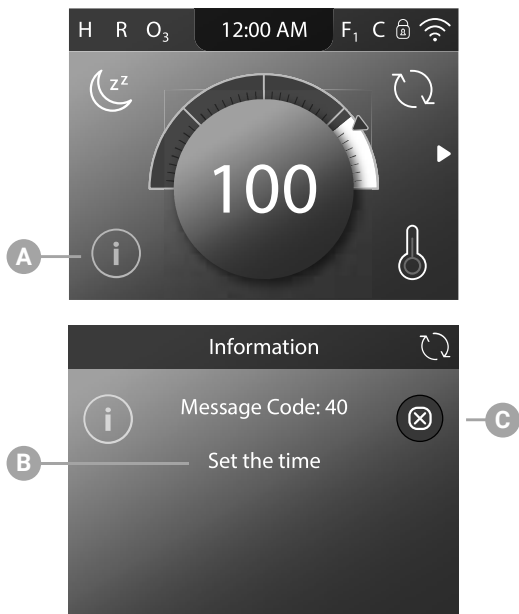


Clim8zone



Clim8zone II

Main Screen



VIEW MESSAGES

One of the following icons will appear here (A) when the control system sends a message.

- Information
- Reminder
- Error - normal error or warning
- Error - spa will not function until fixed

Follow these steps to view the message:
 1 - Go here (A) to view the message (B).
 2 - Exit the screen (C).

GENERAL MESSAGES

Message:
Priming Mode

Each time the spa is powered up, it will enter Priming Mode. The purpose of Priming Mode is to allow the user to run each pump and to manually verify that the pumps are primed (air is purged) and water is flowing. Priming Mode lasts 4 minutes but you can exit it earlier by pressing any Temp button. The heater is not allowed to run during Priming Mode. NOTE: If your spa has a circulation pump, you can turn it ON by pressing the LIGHT button during Priming Mode.

Message:
Possible freezing condition

The water has reached a temperature in which a potential freeze condition is possible. Pumps will turn On and Off to circulate water and the heater may also activate until a warmer temperature is reached.

Message:
Configuration error

A software conflict has been detected and the spa is disabled. Please contact your dealer or service provider.

Message:
--- F or --- C

This is displayed on a system startup when the software has not yet detected a temperature reading (view page 6). It is also displayed when the system has not detected a temperature for over 60 minutes which can occur if the M8 feature was activated.

Message:
Set the time

Set the time of day to ensure proper timing of filter cycles.

Message:
The water level is too low

On a system equipped with a water level sensor, it has detected the water

level to be below the sensor. The pump(s) and heater are disabled. Once the water level has been restored above the sensor, the pump(s) and heater will be enabled and the message will disappear.

Message:
The water is too hot

While the circulation pump was running, the system detected a water temp of 110°F (43°C) and spa functions were disabled. The system will automatically reset when the water temp is below 108°F (42°C).

Message:
Drain Mode

Message:
Hold (aka Standby) Mode

HEATER-RELATED MESSAGES

Message:
The water flow is low

Insufficient water flow through the heater has been detected during a heating cycle. The heater will try again in 1 minute.

Message:
The water flow has failed

Insufficient water flow through the heater has been detected during a heating cycle multiple times and the heater has been disabled. After the problem has been resolved, the user must clear the message.

Message:
The heater is dry

The heater failed to start several times due to lack of water flow through the heater. The message must be cleared in order for the system to try to heat again.

Message:
The heater may be dry

The heater failed to start due to lack of water flow through the heater. The system will try to heat again in approximately 15 minutes.

Message:
The heater is too hot

The system has detected a water temp of 118°F (48°C) and the spa functions were disabled. Once the water is below 108°F (about 42°C), the user must reset the message.

SENSOR-RELATED MESSAGES

Message:
Sensors are out of sync

The heater's temperature sensors are out of sync and the heater is now inoperable. Please contact your dealer or service provider.

Message:
Sensors are out of sync

The heater's temperature sensors have been out of sync for an extended period of time. Please contact your dealer or service provider.

Message:
Sensor A fault

Temperature sensor A or its' circuit has failed and the spa's functions have been disabled. Contact your dealer or service provider.

Message:
Sensor B fault

Temperature sensor B or its' circuit has failed and the spa's functions have been disabled. Contact your dealer or service provider.

Message:
Run Jets 1 to get temperature

MAINTENANCE MESSAGES

Message:
Check Ozone

This message may appear every 360 days. Check your ozone and/or UV generator per your spa manufacturer's instructions.

Message:
Service Check-Up

This message may appear every 365 days. Contact your service organization for a service check.

Message:
Change the filter

This message may appear every 360 days. Filters should be replaced occasionally to maintain proper spa function and sanitary conditions.

Message:
Clean the filter

This message may appear every 30 days. Clean the filter media as instructed by the manufacturer.

Message:
Change the water

This message may appear every 90 days. Change the water in the spa on regular basis to maintain proper chemical balance and sanitary conditions.

Message:
Check the sanitizer

This message may appear every 7 days. Check sanitizer level and other water chemistry with a test kit and adjust with the appropriate chemicals.

Message:
Check the pH

This message may appear every 7 days. Check the pH of your spa's water with a pH test kit, and adjust pH with the appropriate chemicals.

Message:
Change UV

Message:
Check the filter now

TECHNICAL MESSAGES

Message:
Test the GFCI

This message may appear every 30 days. The Ground Fault Circuit Interrupter (GFCI) or Residual Current Device (RCD) is an important safety device and must be tested on a regular basis to verify its reliability. Every user should be trained to safely test the GFCI or RCD associated with the hot tub installation. A GFCI or RCD will have a TEST and RESET button on it that allows a user to verify proper function.

Warning: If freezing conditions exist, a GFCI or RCD should be reset immediately, or spa damage could result. If the GFCI or RCD does not reset and freezing conditions exist, drain the spa of all water until the spa is functional again. The end user should test and reset the GFCI or RCD on a regular basis.

Message:
The GFCI test failed

NORTH AMERICA ONLY: The system has detected that there may be a problem with your GFCI and/or its' installation creating a potential safety issue. Contact a local licensed electrician.

Message: BT Failure

Message:
Hot fault (Call for service)

The system has detected a safety fault that requires service. DO NOT ENTER THE WATER. As the water may be too hot. Contact your dealer or service provider.

Message:
A pump may be stuck on

The system has detected a potential stuck pump relay. DO NOT ENTER THE WATER as the water may be too hot. Turn the breaker off and back on to reset.

Message:
The clock has failed

The clock that keeps track of time when the spa is powered Off has failed. Contact your dealer or service provider.

Message:
Program memory failure

The system's firmware has failed. Contact your dealer or service provider.

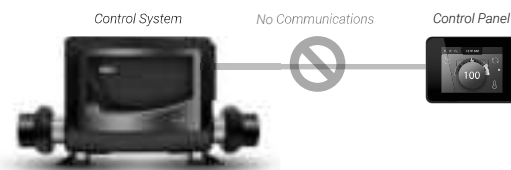
Message:
J29

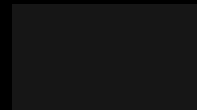
Recycle the spas' power. If this message appears after several power-ups, contact your dealer or service provider.

Message:
The settings have been reset

Message:
Communications error
(Call for service)

The control panel is not receiving communication from the control system and thus inoperable. Please call your dealer or service provider. Please note that this can briefly appear during a system start-up but should quickly disappear.





PLEASE VISIT US



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Europe - europe@balboawater.com

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