

CHROMAZON³™

User Guide | spaTouch™ 3



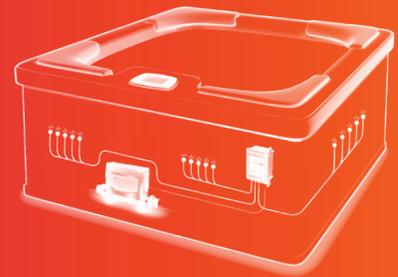


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CHROMAZON³™ provides fully customizable
spa lighting with stunning color choices.
Illuminate your spa, your way.

WELCOME TO CHROMAZON³™ *Overview + Terminology*



FOR MORE INFORMATION

Visit us online: www.balboawatergroup.com/Chromazon3

What is CHROMAZON[™]?

CHROMAZON[™] provides fully customizable spa lighting with stunning color choices. Three separate lighting zones give you full lighting control and flexibility.

What is a zone?

A zone is a group of LED lights. CHROMAZON[™] has three zones: Zone A, Zone B, Zone C.

What can a zone do?

- Display a light pattern. There are three light patterns to choose from: Color Wheel, Party Light, Lounge Light. Speed and brightness are customizable for each light pattern.
- Display one of eight factory default colors.
- Display custom colors. The full color spectrum is at your finger tips.
- Display the water temperature as colors, or display the spa status as colors.

Can zones be grouped together?

Absolutely. Any combination of Zones A, B and C can be grouped and controlled simultaneously.

Which system packs are compatible with CHROMAZON[™] ?

BP 2000 / 2100 / 6013 / 501 / 601 control systems with software version 43.0 or above.

Which spaTouch[™] 3 software version is compatible with CHROMAZON[™] ?

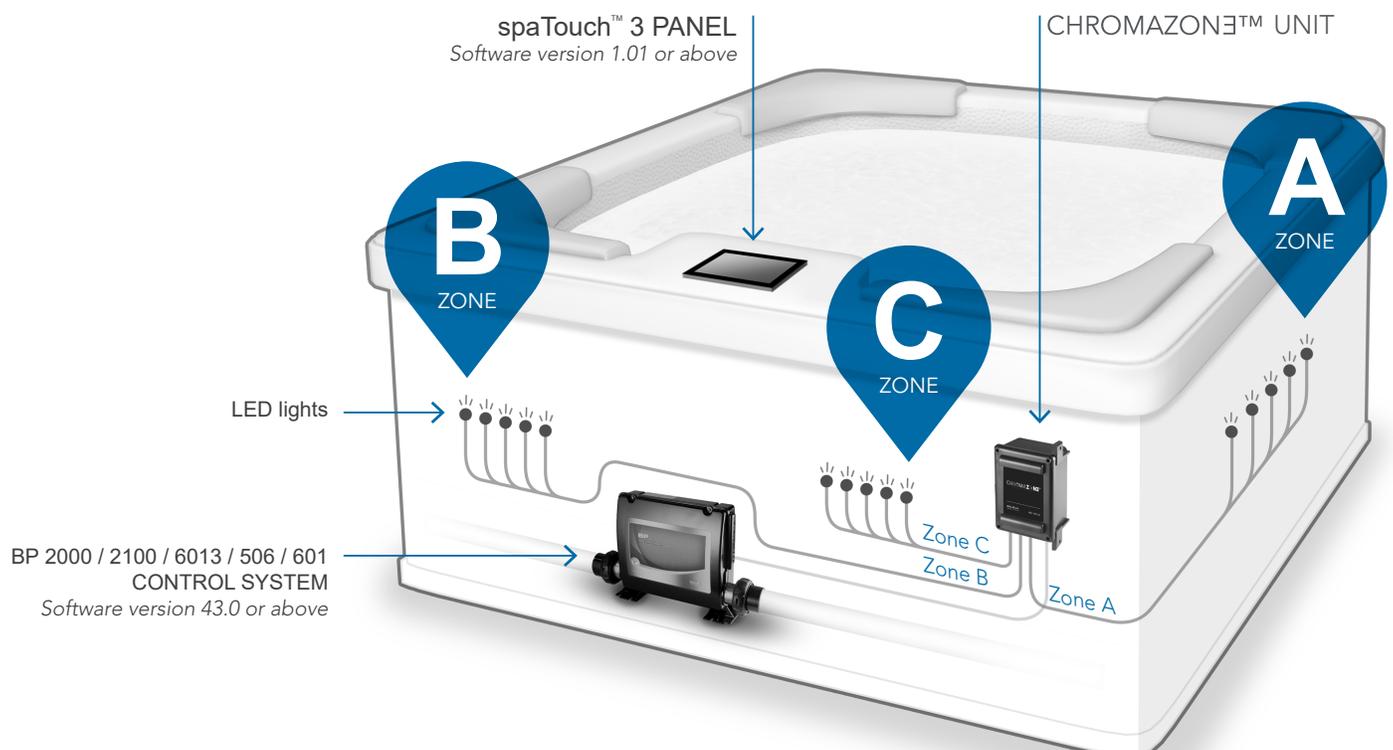
Software version 1.01 or later. However, a few aspects of functionality documented in this user guide are not implemented until version 1.03 or later.

TERMINOLOGY

All CHROMAZON[™] light zones fall under two categories.

#1 - Special Function Zones. Special functions are zones which are not user controllable, but have predefined behavior (Status Pro, Water Temperature). View page 11 for more information.

#2 - User-Controlled Zones: All zones that are not Special Function Zones.

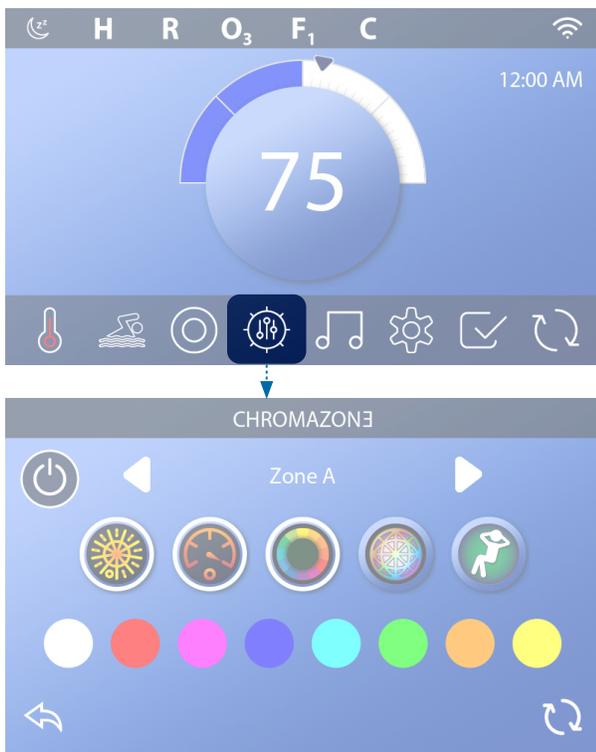


TOPSIDE PANEL NAVIGATION

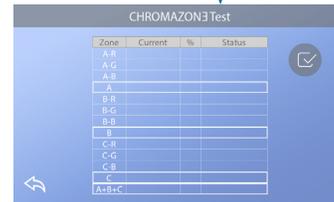
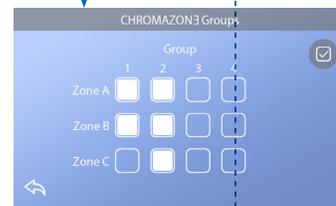
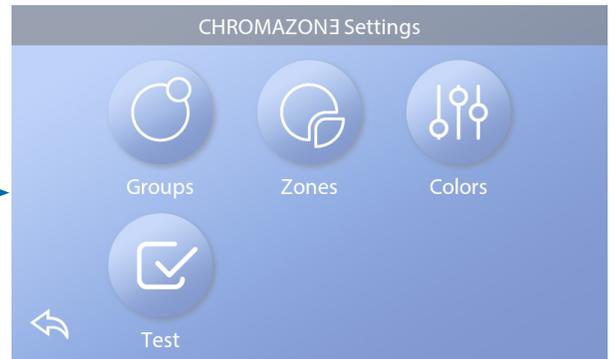
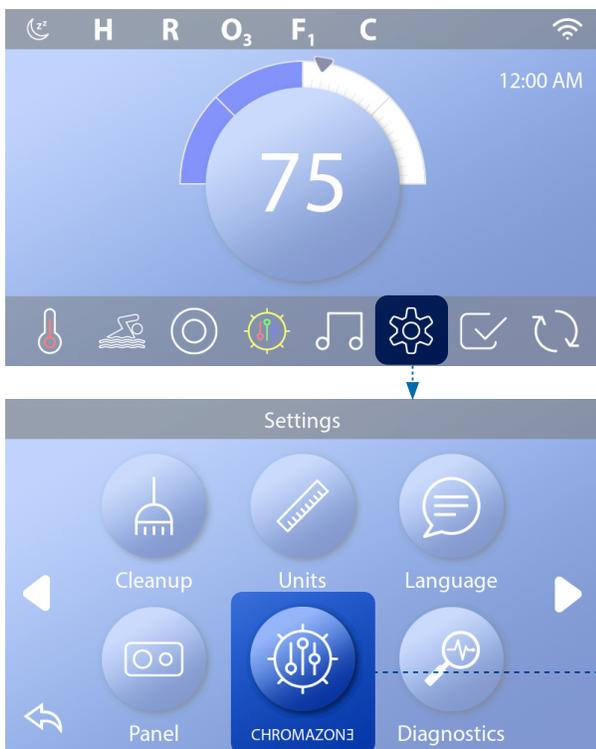


On some spaTouch™ 3 panels, the color, look, or organization of the buttons may differ from what is shown in this User Guide.

Navigate to the CHROMAZON™ screen.



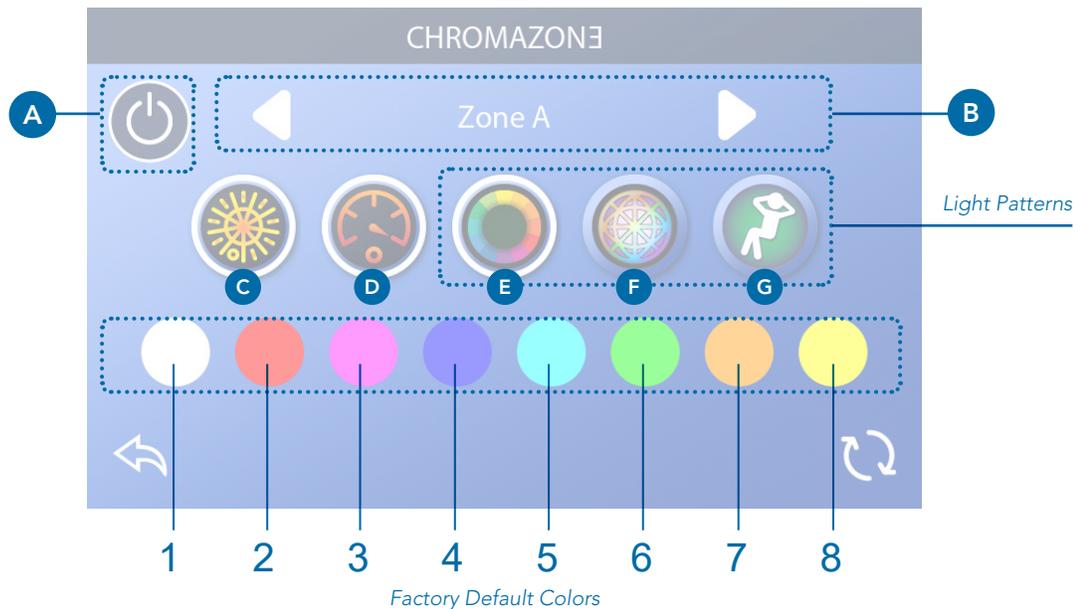
Navigate to CHROMAZON™ Settings



CHROMAZONE™ MAIN SCREEN



CHROMAZON[™] MAIN SCREEN



SCREEN INTERFACE

(A) - Power button. It powers On/Off all User-Controlled CHROMAZON[™] lights. If the button icon has a white ring, at least some User-Controlled CHROMAZON[™] lights are powered On. If the button doesn't have a white ring, all User-Controlled CHROMAZON[™] lights are powered Off.

(B) Press these arrows to select the Zone or Group you want to control. The Zone and/or Group name will appear here (B). Default zone names are "Zone A," "Zone B," "Zone C." If a Zone is assigned a Special Function, the Zone will not appear here (B).

(C) Light brightness control. If brightness is reduced all the way, the Zone appearing in this field (B) will turn Off. In this example, Zone A would turn Off.

(D) Speed control for light patterns.

(E) Color wheel light pattern. This smoothly cycles through the full color spectrum.

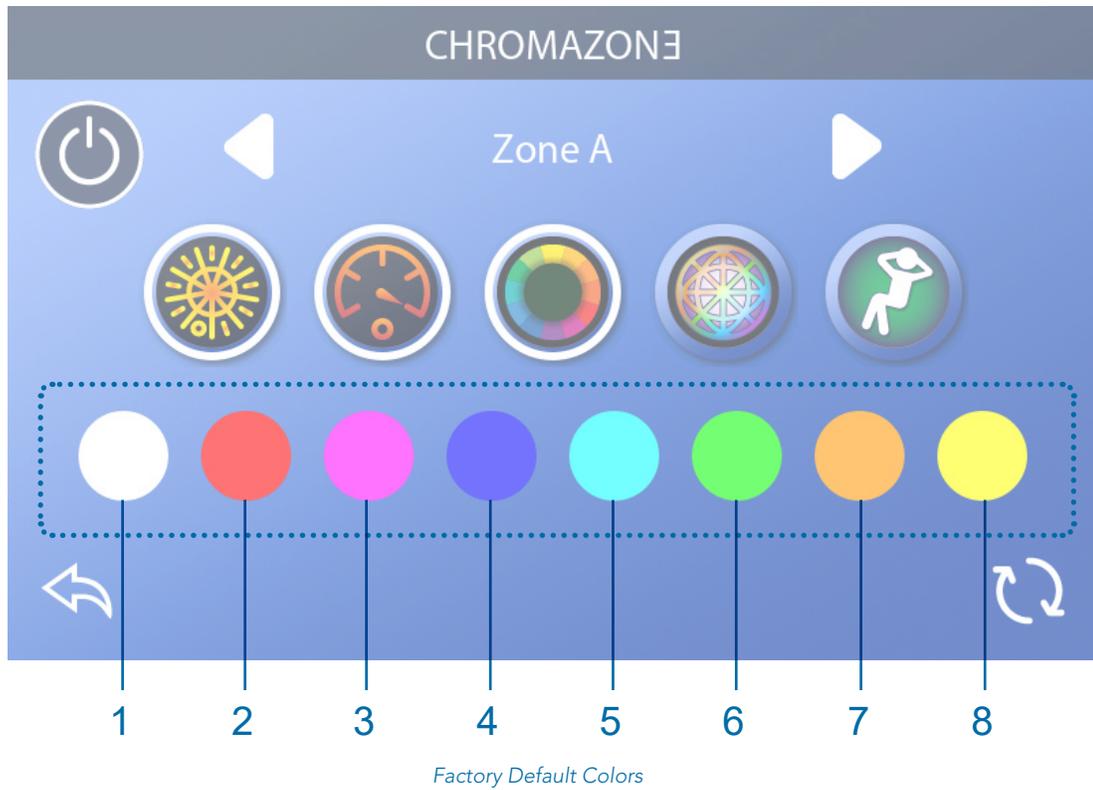
(F) Party light pattern. This smoothly cycles through a festive pattern.

(G) Lounge light pattern. This smoothly cycles through a soothing pattern.

(E, F, G) Press a button once to turn On a pattern. Press a button a second time to pause a pattern.

Note: If you are viewing a solid color (1-8, see next page), and then you touch the speed control for light patterns (D), the color wheel light pattern (E) will automatically be selected.

CHROMAZONE™ MAIN SCREEN (Continued)

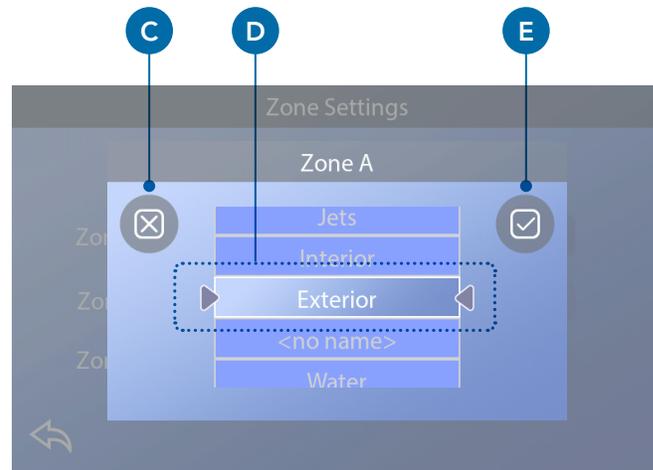
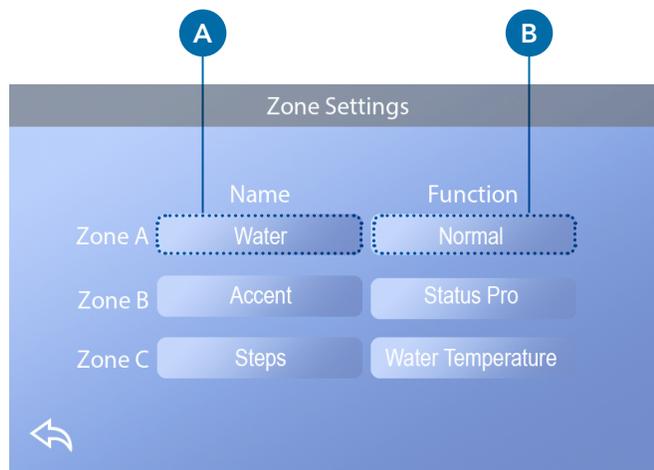


CHROMAZONE™ has eight factory default colors to choose from. Each color is numbered. Also, you can replace any default color with a custom color of your choice. Custom colors will be explained later.

ZONE SETTINGS



ZONE SETTINGS



Find navigation to the Zone Settings screen on page 6.

A different Name and a different Function can be assigned to each zone. Select from a list of preprogrammed Names and Functions.

If a Name or Function is grayed out and unselectable, it has been predetermined by your spa manufacturer.

ASSIGN A NAME TO ZONE A

Step 1: Select this field (A), and swipe up/down to review the list of preprogrammed Names (D). The center box (D) indicates the selected Name.

Step 2: Press the Save button (E) to save your setting. The Cancel button (C) cancels your setting.

Zone Names

Water	Steps
Water 1	Entry
Water 2	Adult
Water 3	Cool Down
Accent	Captain's Chair
Perimeter	Main
Cabinet	Jets
Outside	Interior
Outside 1	Exterior
Outside 2	<no name>
Outside 3	

ASSIGN A FUNCTION TO ZONE A

Assigning a Function to a Zone is basically the same as assigning a Name to a Zone. Select this field (B), and follow the same steps used to assign a Name.

Zone Functions

There are three zone Functions:

1 - Normal: User-Contorlled CHROMAZON™ functionality.

2 - Water Temperature: light color indicates the water temperature. View the light chart on the next page.

3 - Status Pro: mimics the functions of Status Pro. For more information about Status Pro, please visit the link below (F).

Water Temperature and Status Pro are catagorized as Special Functions.



ZONE SETTINGS (Continued)

When a Zone is assigned the **Water Temperature** function, light color indicates the water temperature. In this example, Zone C is assigned Water Temperature (A). View the color chart below.



Water Temperature color chart

RED Above 108° F
 Approximately 42.2° C.

ORANGE Between 2° above the set temperature and 107° F.
 Approximately between 1° C above the set temperature and 41.6° C.

GREEN Within +/- 2° F of the set temperature.
 Approximately within +/- 1° C of the set temperature.

BLUE Between 46° F and 2° F below the set temperature.
 Approximately between 7.7° C and 1° C below the set temperature.

WHITE Less than 45° F.
 Approximately less than 7.2° C.

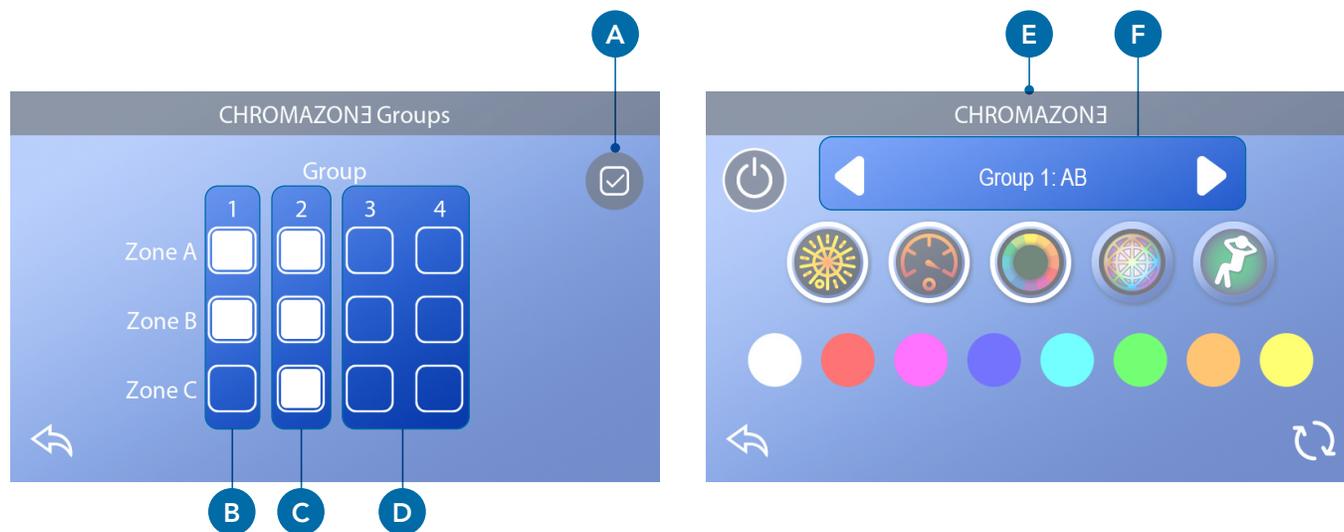
PURPLE Temperature unknown because the water has not been cycled.


RED Red (flashing): temperature unknown because of a system error or temperature sensor error.


CHROMAZONE™ GROUPS



CHROMAZON™ GROUPS



Find navigation to the CHROMAZON™ Groups screen on page 6.

What is CHROMAZON™ Group?

A Group is two or more User-Controlled Zones. A Group enables you to control two or more Zones simultaneously. In the example shown above, Group 1 controls Zones A and B (B). Group 2 controls Zones A, B and C (C). Groups 3 and 4 do not control any Zones (D).

How many Groups are available?

There are four Groups with the following names:

- Group 1**
- Group 2**
- Group 3**
- Group 4**

CHROMAZON™ Groups screen interface

Select any combination of Zones A, B and C, and assign them to a Group. Press the Save button (A) to save your Group settings.

Note: If a zone is gray, it is assigned to a Special Function (Water Temperature or Status Pro). Any Zone assigned to a Special Function cannot be grouped with other Zones.

Once you have defined one or more Groups:

When you go to the CHROMAZON™ Main Screen (E), and navigate from Zone A to Zone B, and so on (F), once you pass the last Zone, it'll list the Group(s) that you have defined. The example shown above displays "Group 1: AB" (F). This indicates the Group 1 will control Zones A and B simultaneously. Each Group is labeled in the format "Group 1: ABC" (ie, the number of the Group followed by the Zones which that Group includes).

You can still control Zones independently when viewing a Zone, but when viewing a Group, if you select a color or a pattern, that color or pattern will be applied to all of the Zones in that Group.

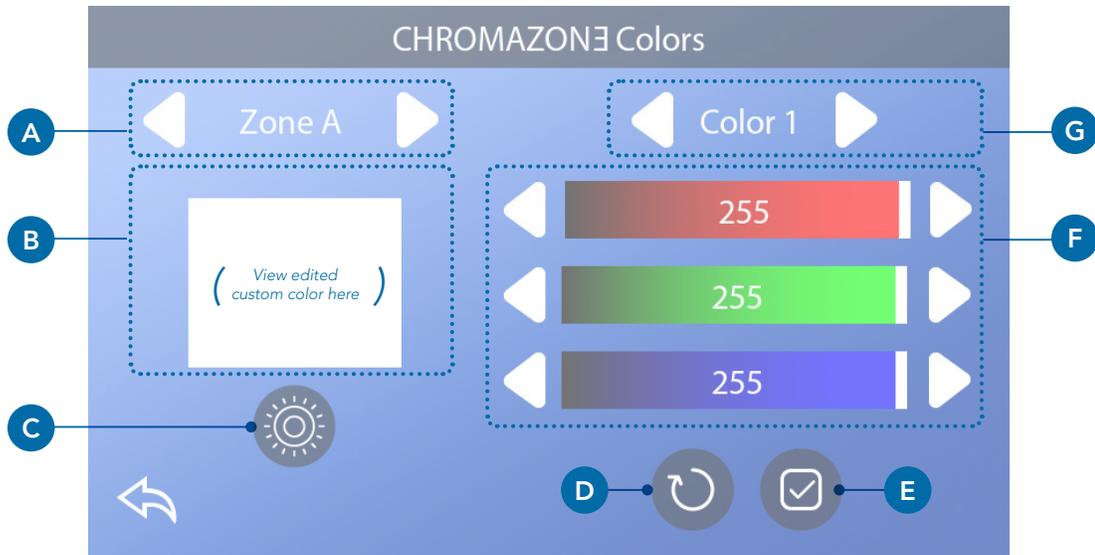
While you stay on the Group view, everything further that you do will affect all of the Zones in that Group the same way.

But if you scroll back to an individual Zone (which is in the Group), and select a color or a pattern, that'll only change which color or pattern that particular Zone is displaying, while the other Zones in the Group will continue displaying what you had last set while viewing the Group.

CHROMAZONE™ COLORS



CHROMAZON³™ COLORS



Find navigation to the CHROMAZON³™ Colors screen on page 6.

The CHROMAZON³™ Main screen displays eight factory default colors (I). Can the factory default colors be customized? Yes. The following section shows how to customize the colors.

CREATE A CUSTOM COLOR

1 - Select one of the eight colors (G). There are eight colors to choose from. "Color 1" (G) corresponds with color swatch "1" (I). "Color 2" corresponds with color swatch "2" (I). and so on...

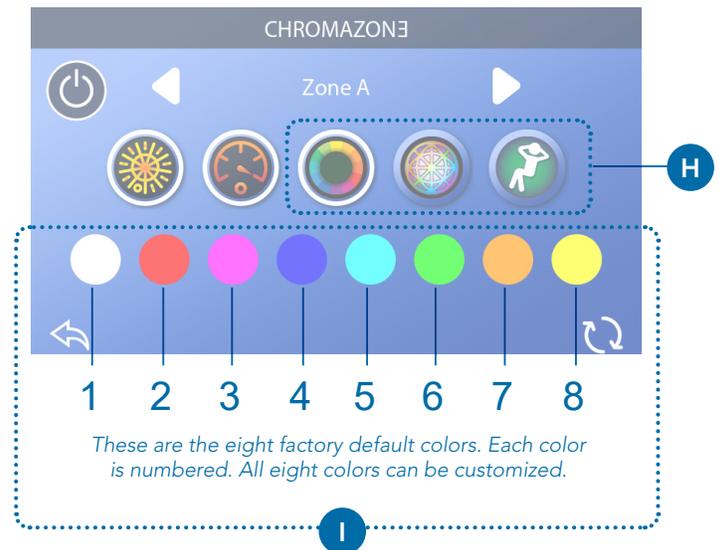
2 - Create your custom color with these controls (F). Pressing the left or right arrow buttons, or sliding your finger along any one of the color bars, will edit your custom color. The custom color appears in this box (B) as you make changes here (F).

3 - When you're ready to see how this custom color looks on actual LEDs, select the User-Controlled spa zone for previewing with (A), then press the "Preview" button (C).

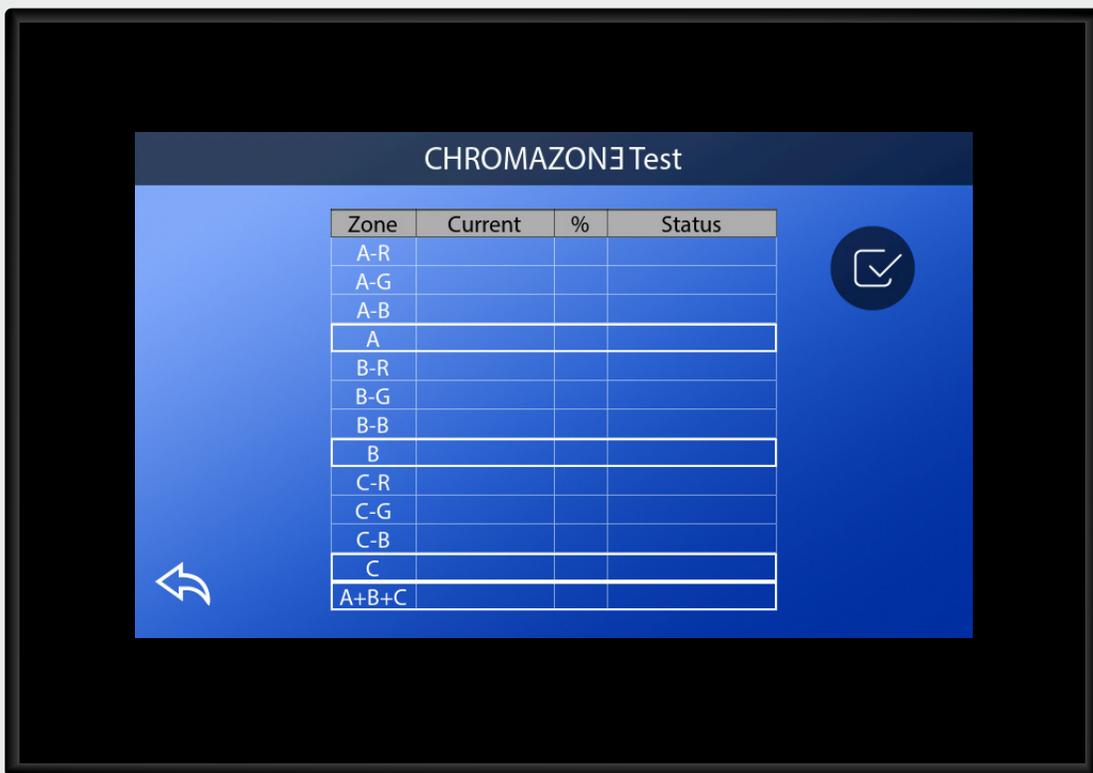
4 - Press the Save button (E) to save your custom color. Or, press the Reset button (D) to delete any unsaved changes.

Repeat this process to customize colors 2 - 8 (I).

Custom colors (I) have no effect on light patterns (H).



CHROMAZONE™ TEST



CHROMAZON[™] TEST

CHROMAZON[™] Test

Zone	Current	%	Status
A-R	0.032	2	Passed
A-G	0.032	2	Passed
A-B	0.032	2	Passed
A	0.096	6	Passed
B-R	0.048	3	Passed
B-G	0.048	3	Passed
B-B	0.048	3	Passed
B	0.144	9	Passed
C-R	0.064	4	Passed
C-G	0.064	4	Passed
C-B	0.064	4	Passed
C	0.192	12	Passed
A+B+C	0.432	27	Passed

Find navigation to the CHROMAZON[™] Test screen on page 6.

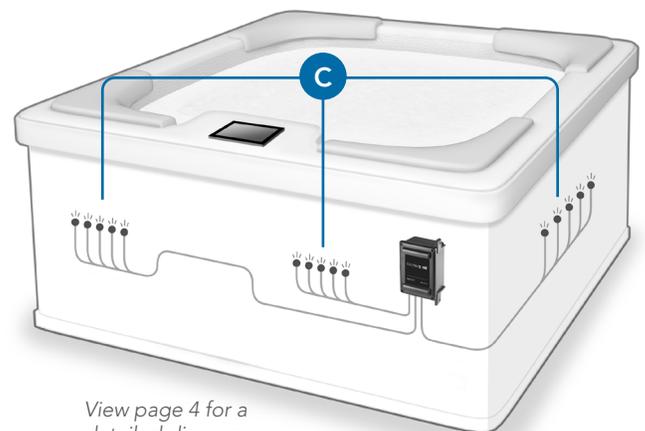
What does CHROMAZON[™] Test do?

It tests the electrical load of all the LEDs in all zones connected to CHROMAZON[™] (C). Perform a CHROMAZON[™] Test to make sure the total amperage draw of all the LED lights does not exceed a total load of 90%. CHROMAZON[™]'s current limit varies by type of lighting used. The output trip current is limited to 1.6A at 12V out or 2.8A at 5V out.

Press this button (A) to run a test.

The test is complete when all the blank fields are populated. In this example, the total amperage draw is 27% (B). The total amperage draw needs to be **90% or less**.

The Test screen shown above is included with panel software version 1.03. The Test screen may look/function differently on earlier software versions.



View page 4 for a detailed diagram

RESTORE FACTORY DEFAULT SETTINGS

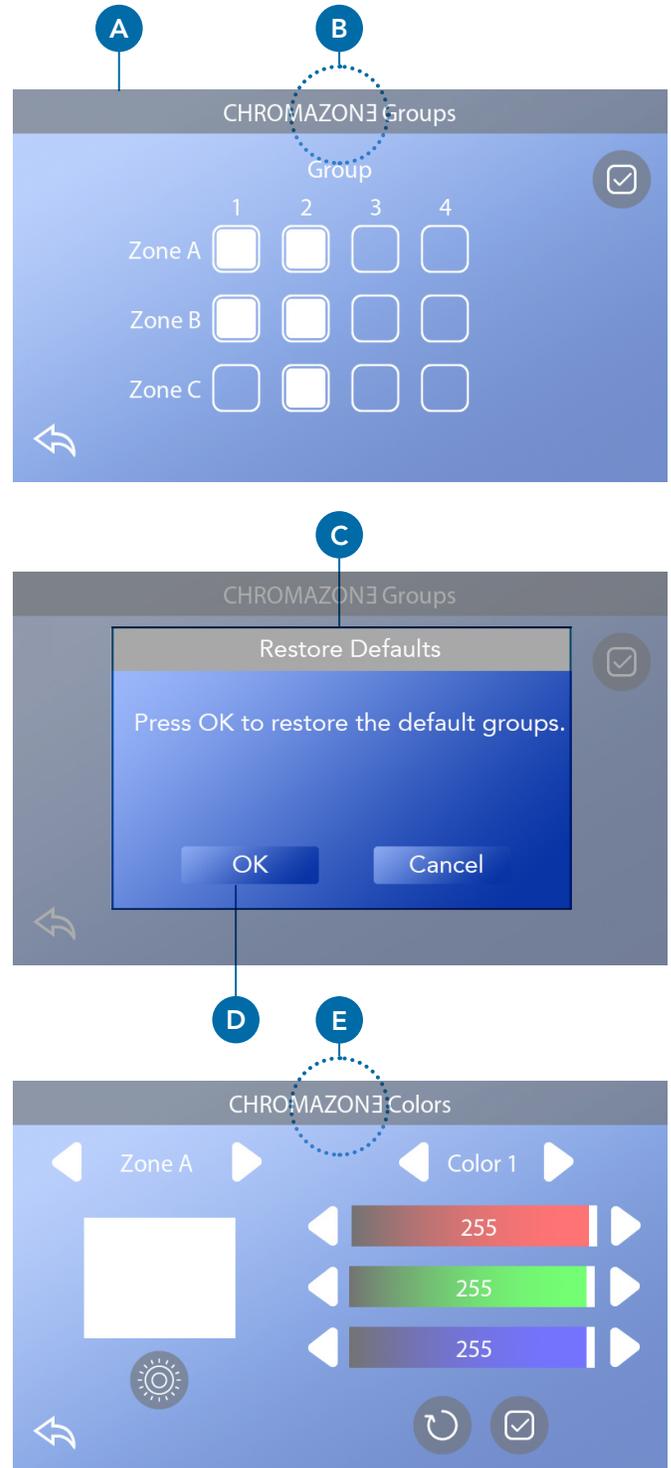


RESTORE FACTORY DEFAULT SETTINGS

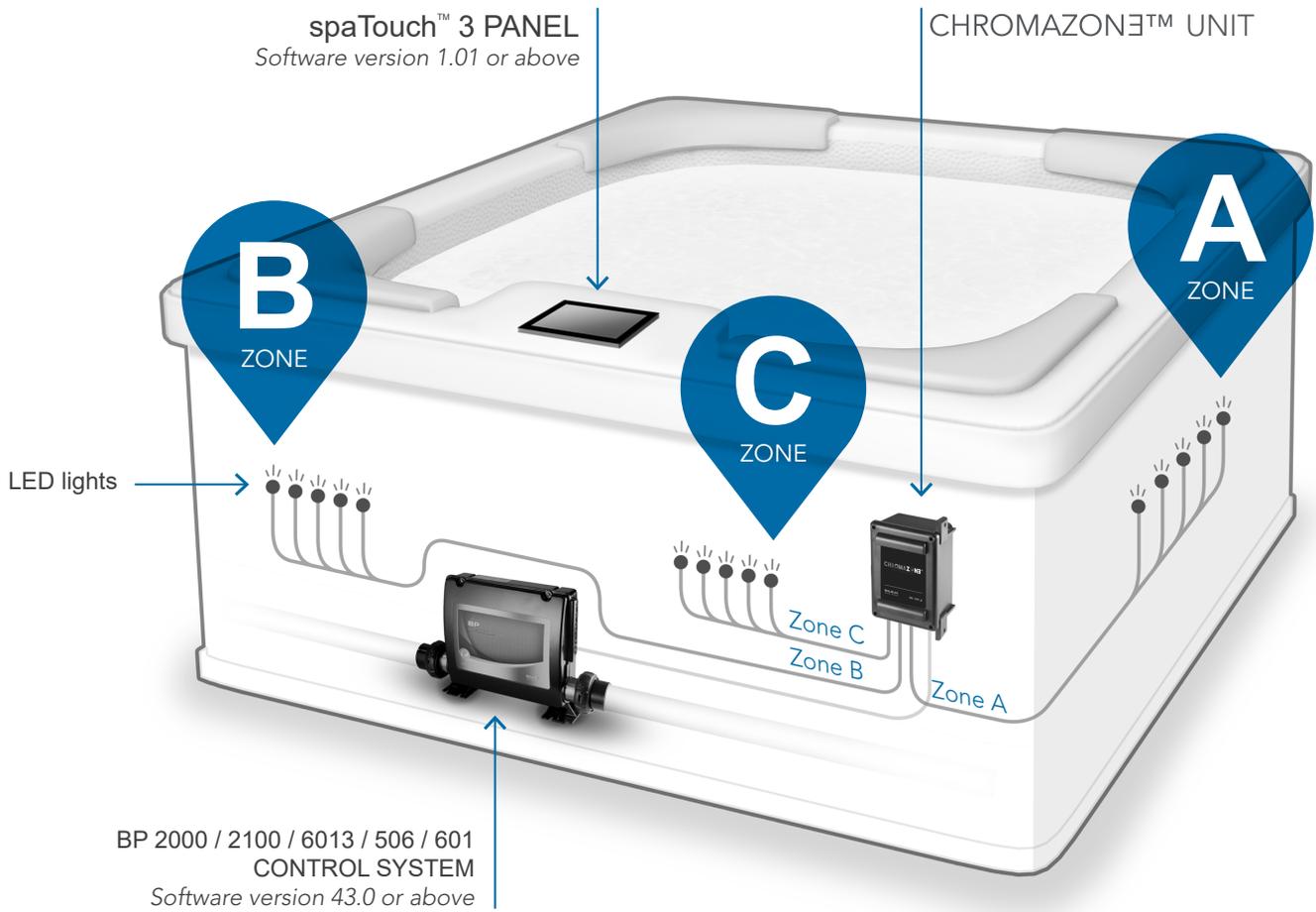
You can restore factory default settings for CHROMAZON[™] Groups (A) and CHROMAZON[™] Colors (E). In the following example we will restore factory default settings for CHROMAZON[™] Groups.

- 1 - Navigate to CHROMAZON[™] Groups (A).
 - 2 - Press-and-hold here (B) for 3 seconds.
 - 3 - Restore Defaults will appear (C).
Press OK (D).
- ✓ Factory default CHROMAZON[™] Groups settings are restored.

Use the same technique to restore factory default settings for CHROMAZON[™] Colors (E).



TROUBLESHOOTING



TROUBLESHOOTING

All CHROMAZON³™ lights change to the same color (C) after running a test (A). Is this normal?

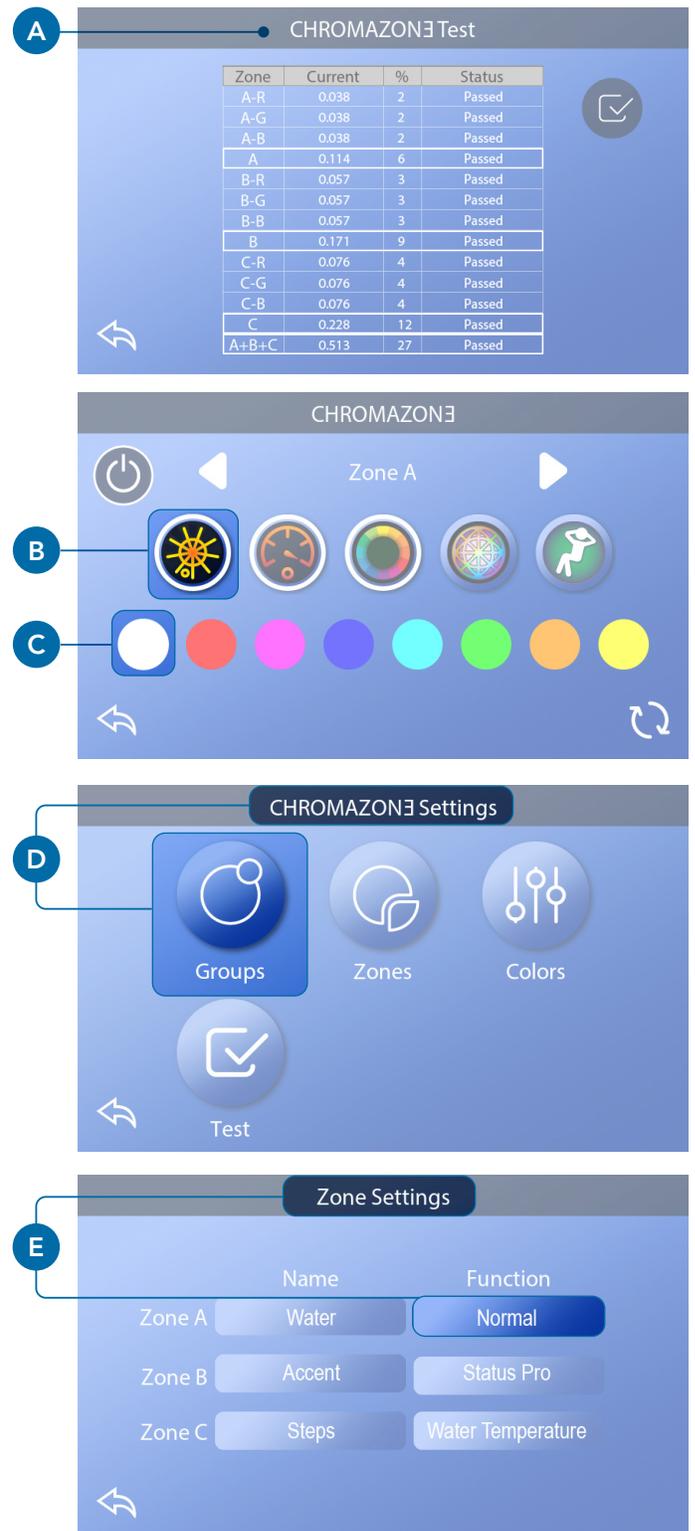
Yes.

All CHROMAZON³™ lights change to the same color (C) after I apply minimum brightness (B) to all three Zones. Is this normal?

Yes.

Sometimes the Groups button disappears from the CHROMAZON³™ Settings screen (D). Is this normal?

Yes. If only one of the three Zones is set to Normal in the Zone Settings screen (E), Groups are disabled and the Groups button disappears from the CHROMAZON³™ Settings screen (D).



TROUBLESHOOTING (Continued)

As I navigate the list of available Zones (B) on the CHROMAZON[™] screen (A), sometimes Zone A, Zone B and/or Zone C does not appear. Is this normal?

Yes. Go to the Zone Settings screen (C). Only Zones that are set to **Normal** (D) appear in this field (B).



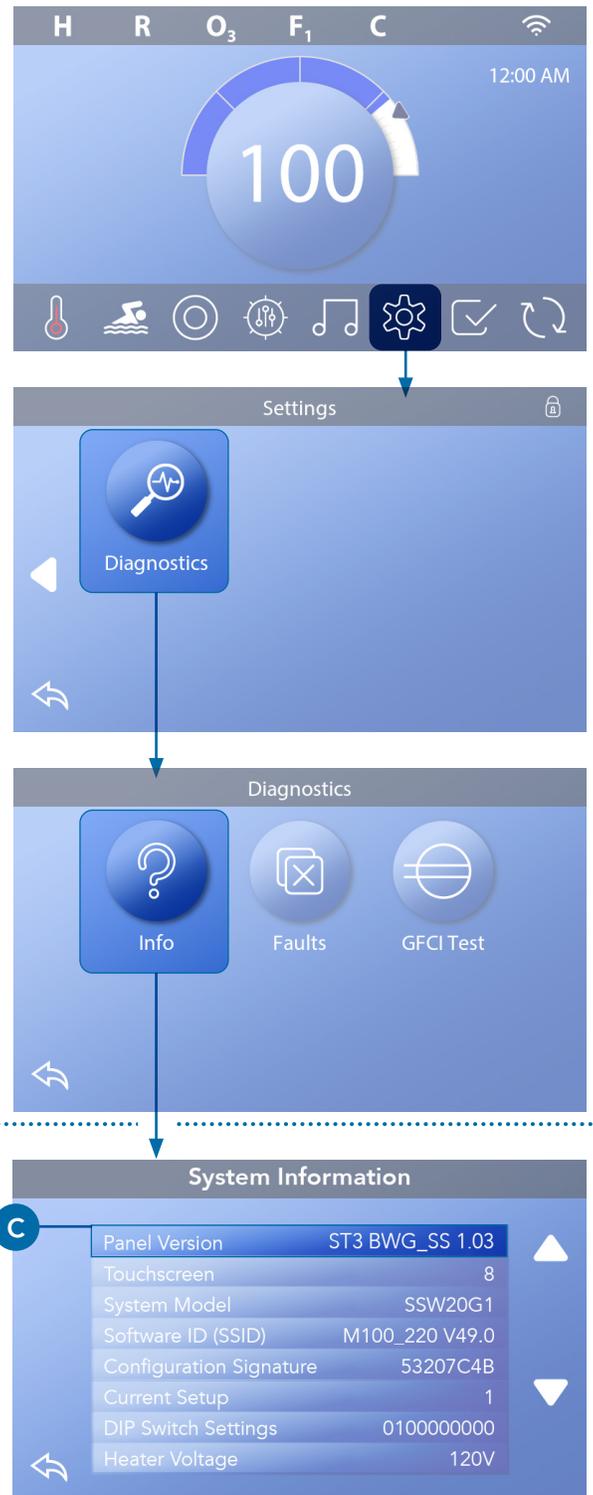
TROUBLESHOOTING (Continued)

How do I confirm my spaTouch[™] 3 panel is compatible with CHROMAZON[™]?

CHROMAZON[™] is compatible with spaTouch[™] 3 panel (software version 1.01 and above). View the panel software version here (C).

If a service technician asks which CHROMAZON[™] version I am running, what do I tell them?

View the CHROMAZON[™] version here (B), near the end of the System Information list. Scroll the full list of System Information by pressing the Up or Down navigation buttons (A), or by swiping the list up or down.



The Information Menu

CHROMAZON³™ SUPPORT

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