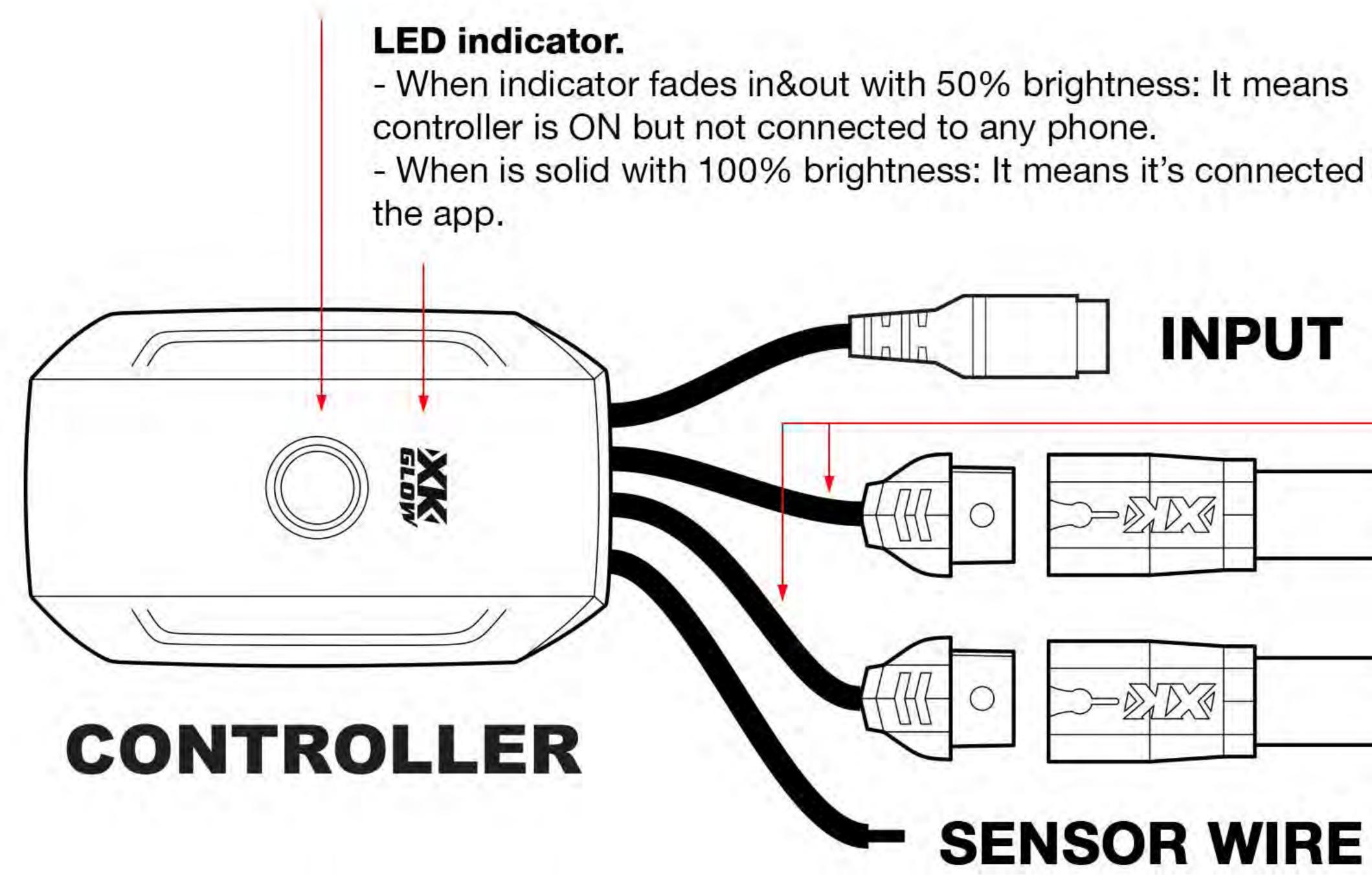
### Touch button.



## Sensor Wire:



## Controller

-Tap to switch between onboard presets. -Hold for 3s to turn off the lights, tap again to turn on. -Hold for over 6s to reset controller to factory mode.

- When is solid with 100% brightness: It means it's connected to

- It's usually connected to certain wire in the vehicle, such as brake wire, turn signal wire and etc. - It's an optional function. user can choose not to use it.

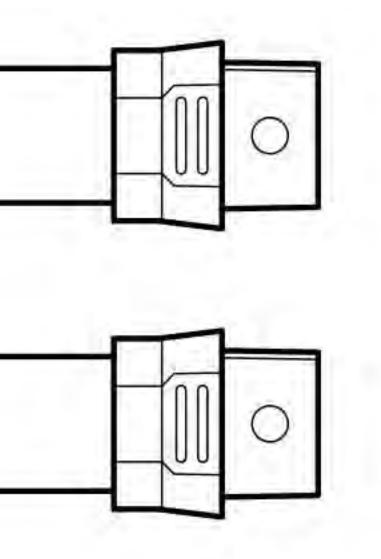
- When the sensor senses attched wire is getting power, it triggers the controller. User can define what action will the lights do (Such as turn to certain color, or strobe and etc) when this wire is triggered.

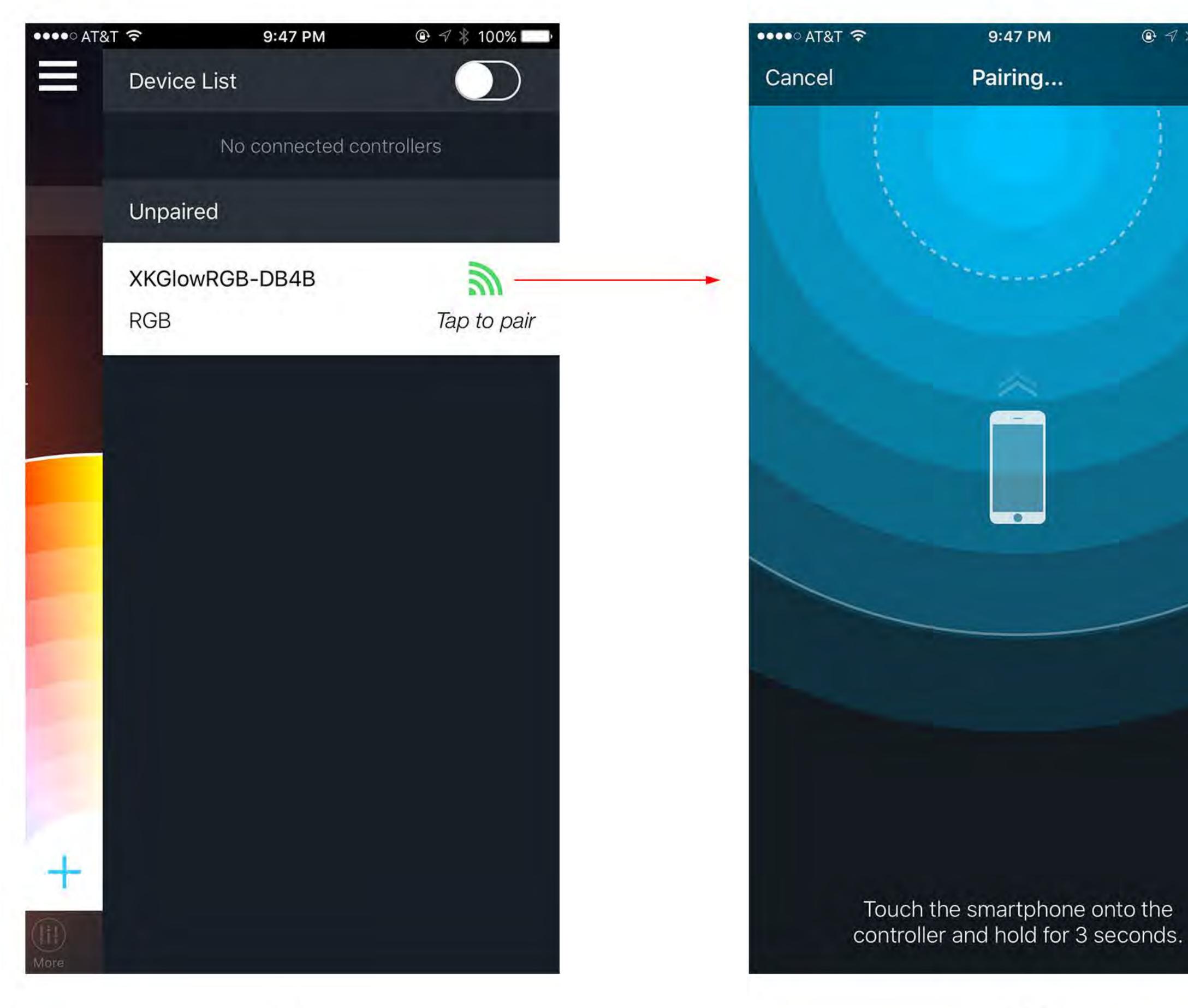


Download app "XKchrome"

Multi zone control: Each controller has multiple output zones. Those zones can be controlled independently via the app. And multiple controllers can be connected to the app at the same time.

# **OUTPUT (ZONE 1) OUTPUT (ZONE 2)**





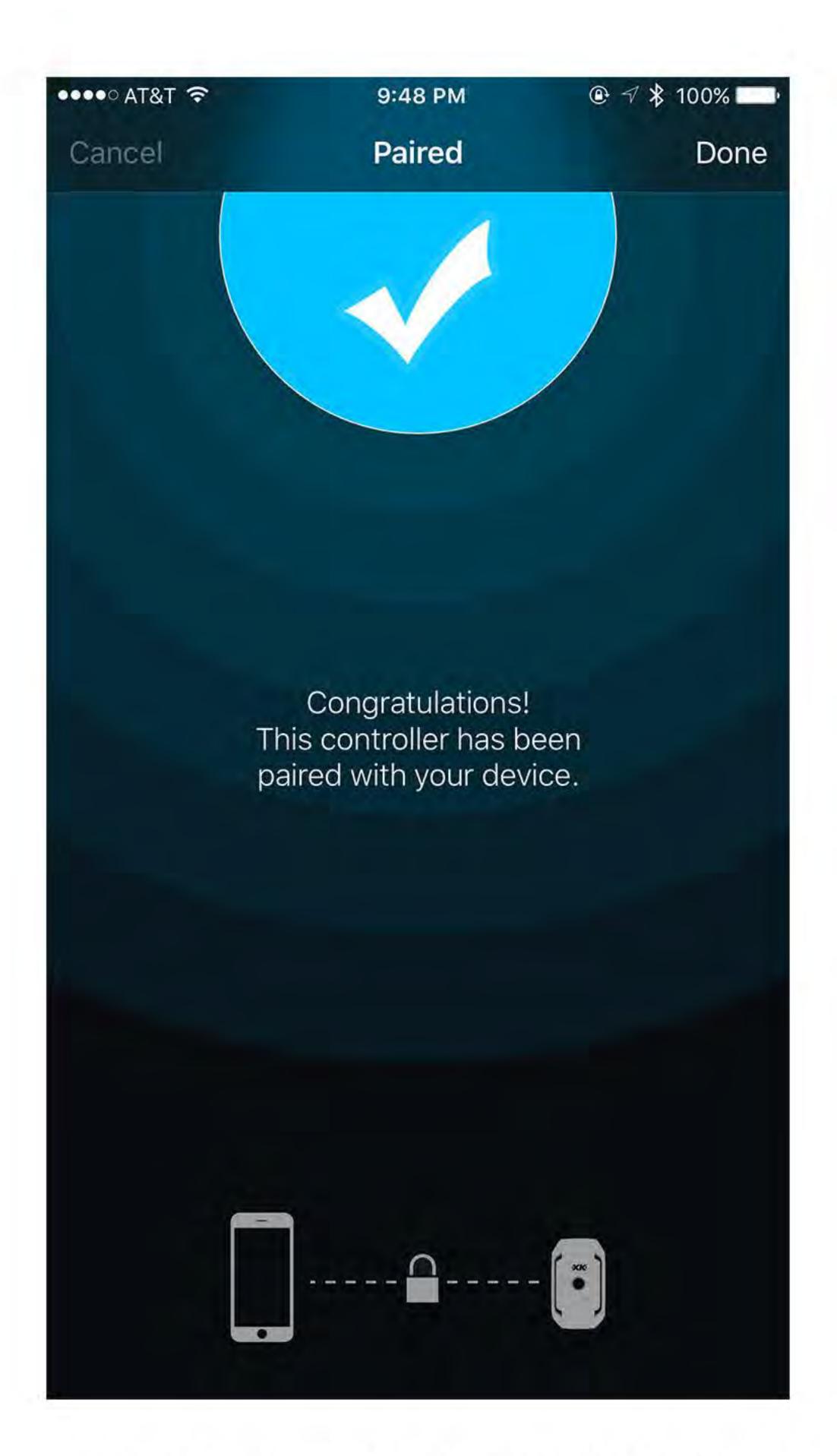


**Device Setting** 

## How to pair the controller



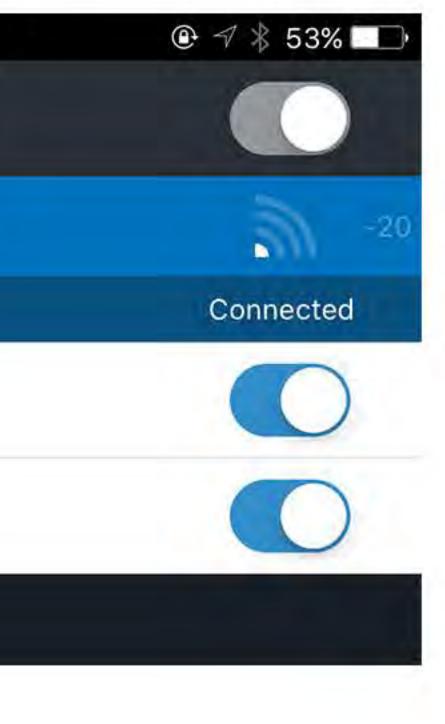




### Once the controller is paired, it will appear on the top of device list

U

•••• AT	&T ᅙ	9:05 PM
	Device L	ist
	Virtual-R	GB-F219
	RGB	
	<ol> <li>Zo</li> </ol>	ne 1
	<ol> <li>Zo</li> </ol>	ne 2



### 2- Group

To control multiple zones at the same time, drag one zone towards the other zone (or an existed zone). The group is presented with a double-circle round marker as shown.

### **3- Ungroup**

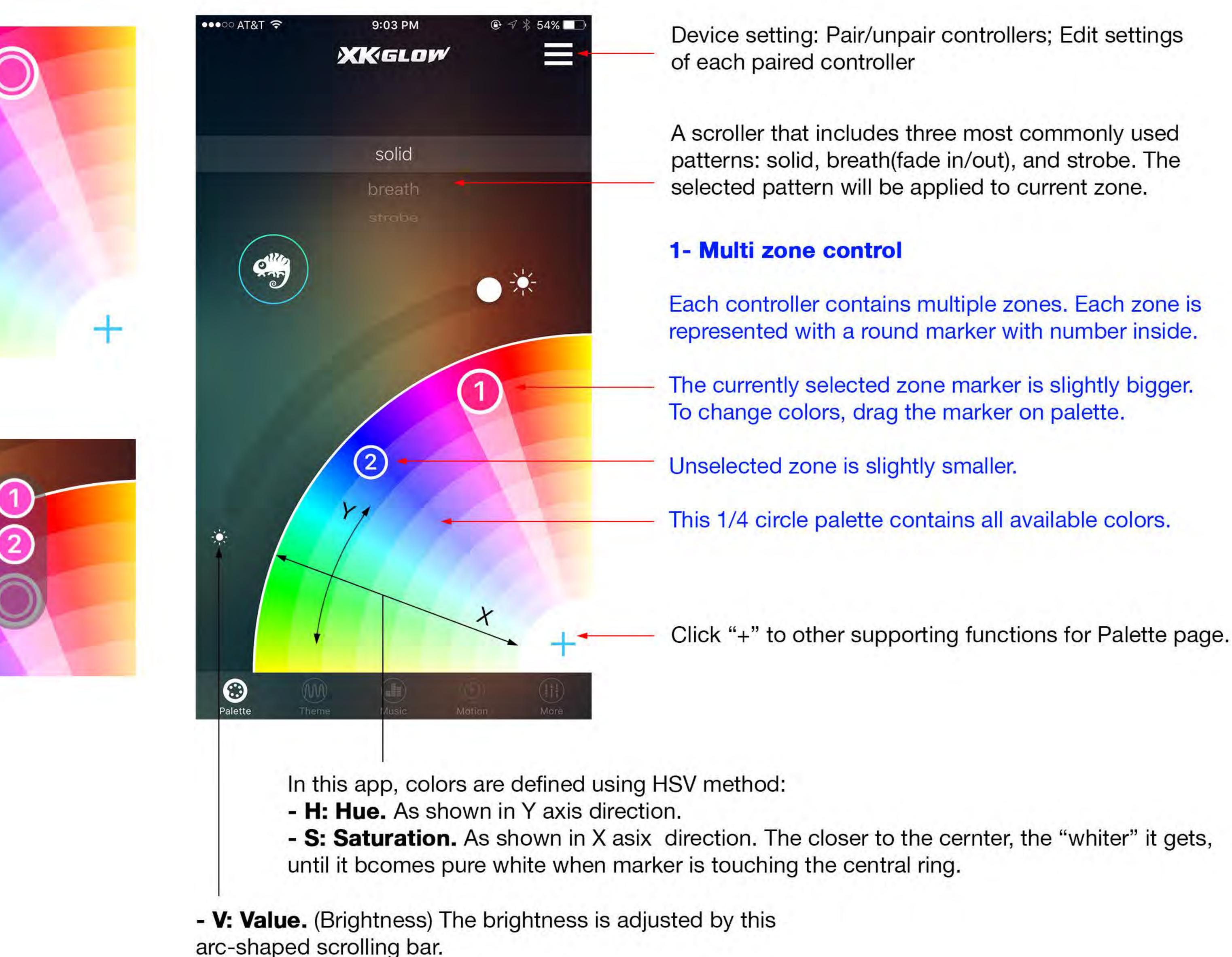
Tap the group marker to expand all zones in that group, drag a zone marker out of the group.



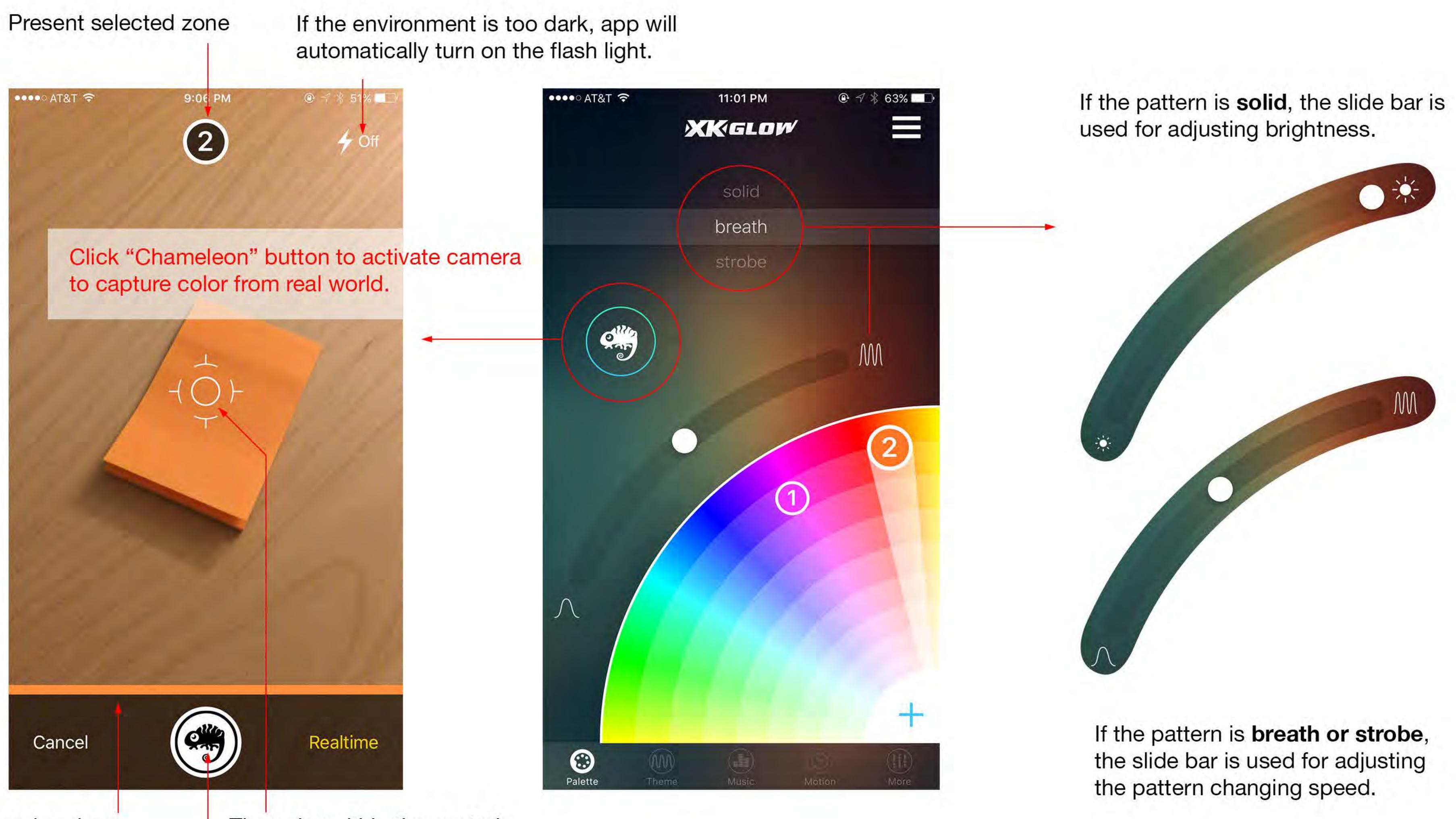


## Palette

This page is used to to select a color and apply it to each zone. In addition, user can change a few settings associate with the color.



- S: Saturation. As shown in X asix direction. The closer to the cernter, the "whiter" it gets,



The captured and processed color is displayed at the bottom bar in realtime.

The color within the central circle will be captured.

If user likes the captured color, tap the chameleon button. It will go back to the Palette page and the zone marker will move to the captured color. This color will stay on the selected zone.



As you can see. The interface in this app is designed for single hand use. Most buttons are within the range of the thumb.

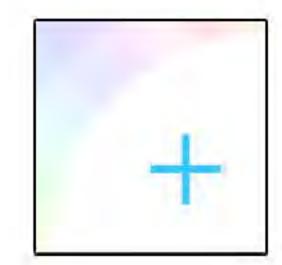
In the future we will also design "left hand" mode that mirrored the current "right-handed" design.



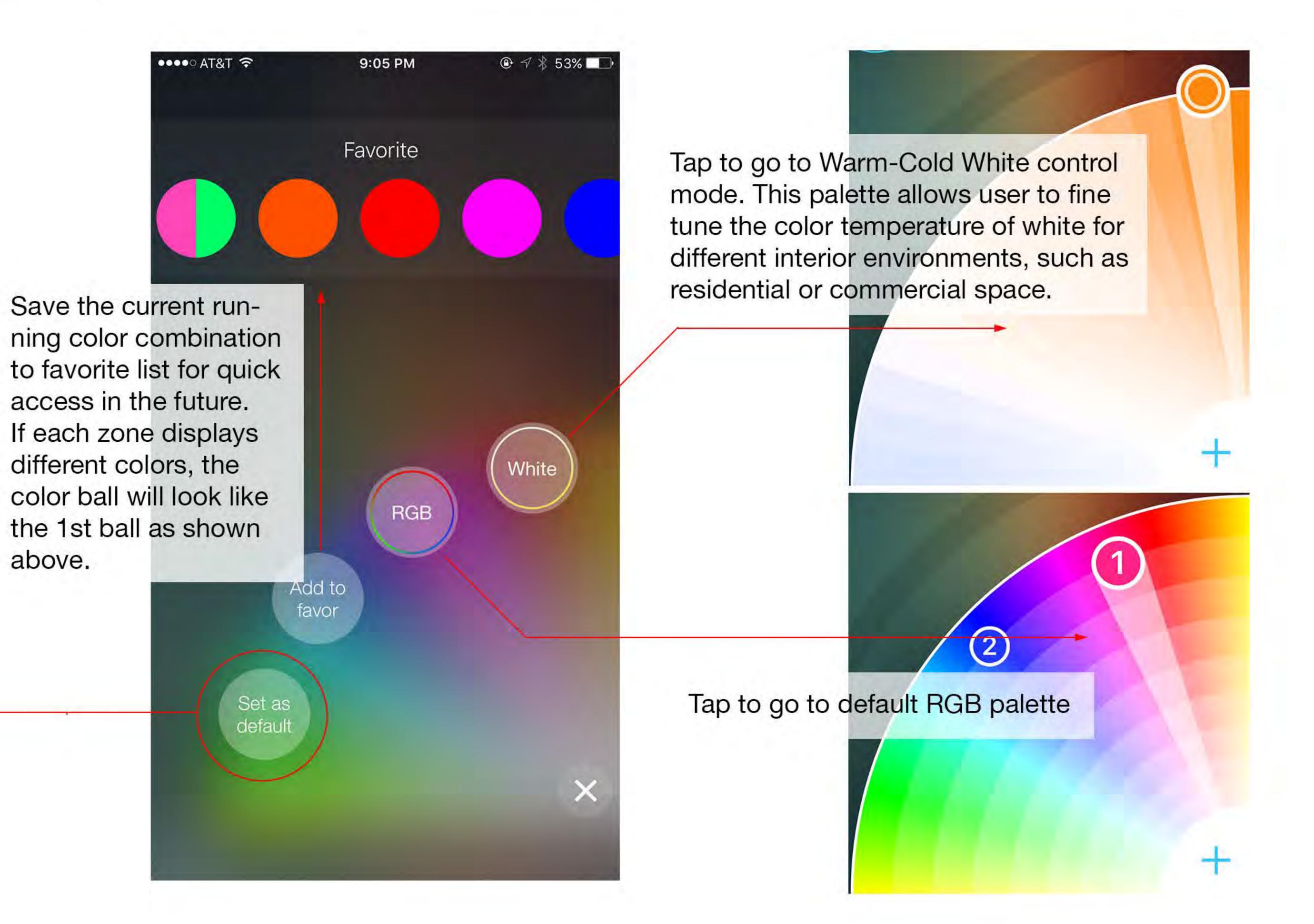
CLick to save the current running theme as the startup default theme when controller is powered on. This allows user to perform certain simple functions without using the app.



## Palette



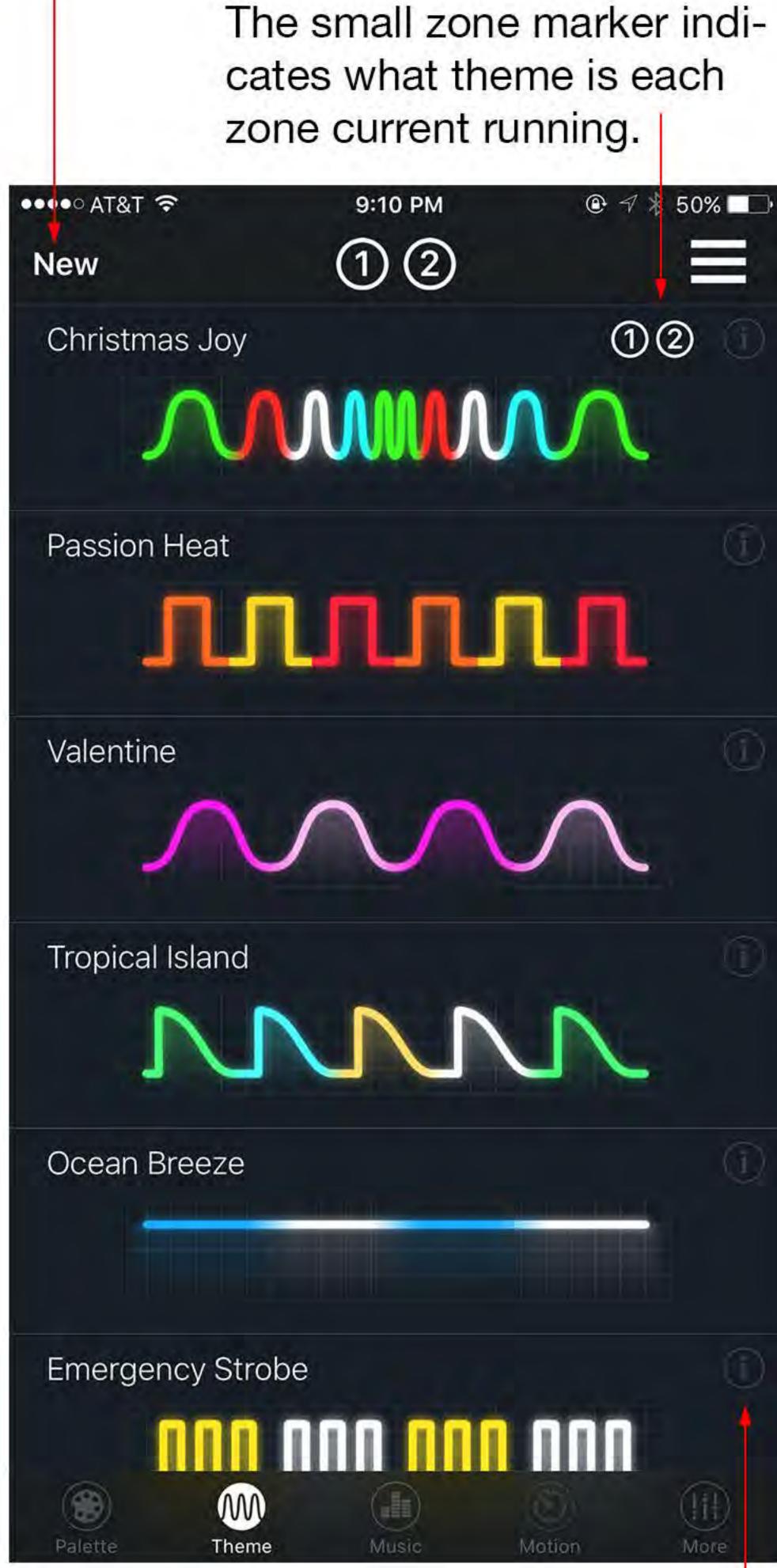
Click the "+" button at the rig supporting page.



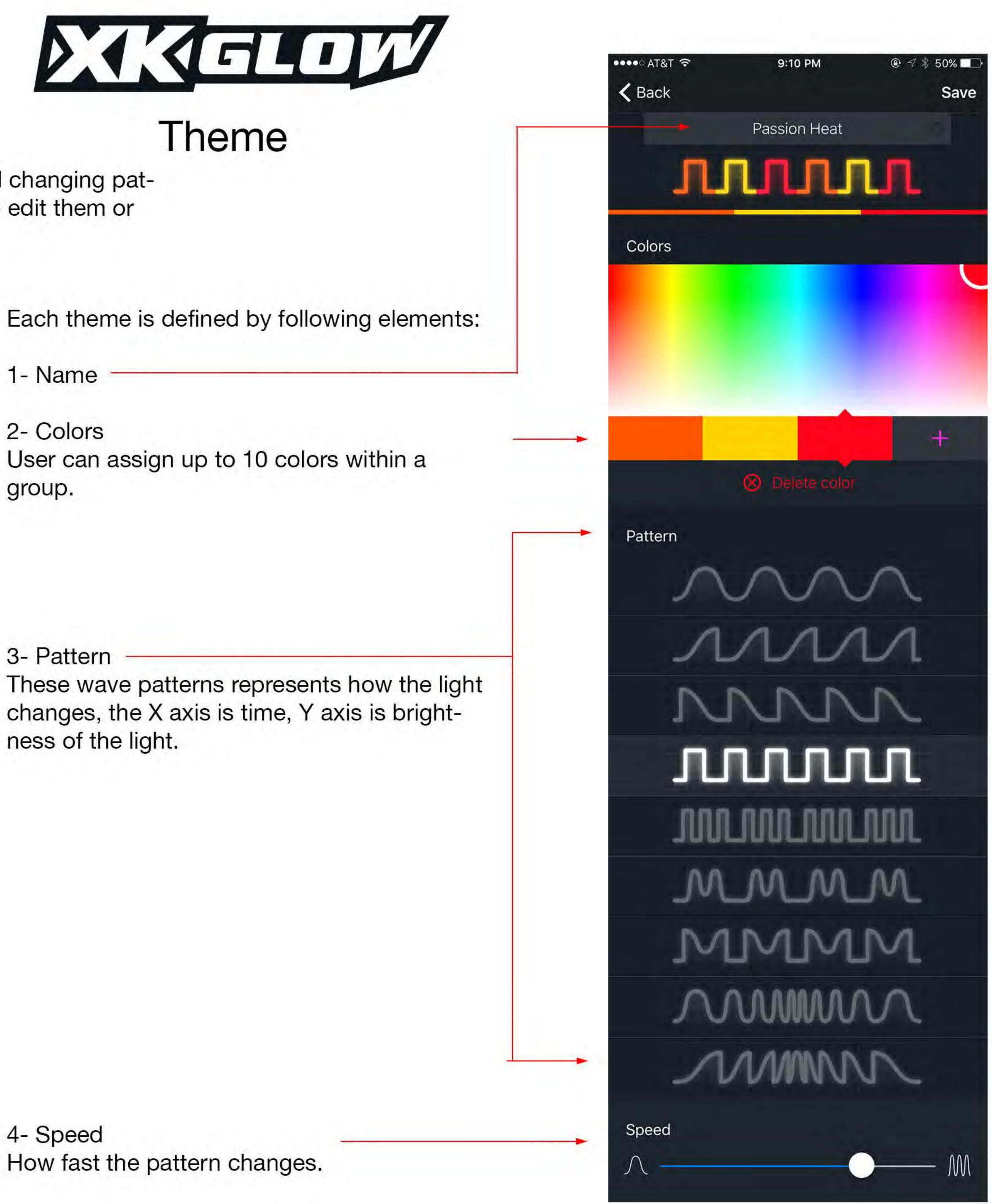
### Click the "+" button at the right bottom corner to access the

Theme page allows user to play more complicated changing patterns. It comes with 15 presets, and allows user to edit them or creat new ones.

### **Create New Theme**



Click to edit existing theme (As the long screen show on the right)



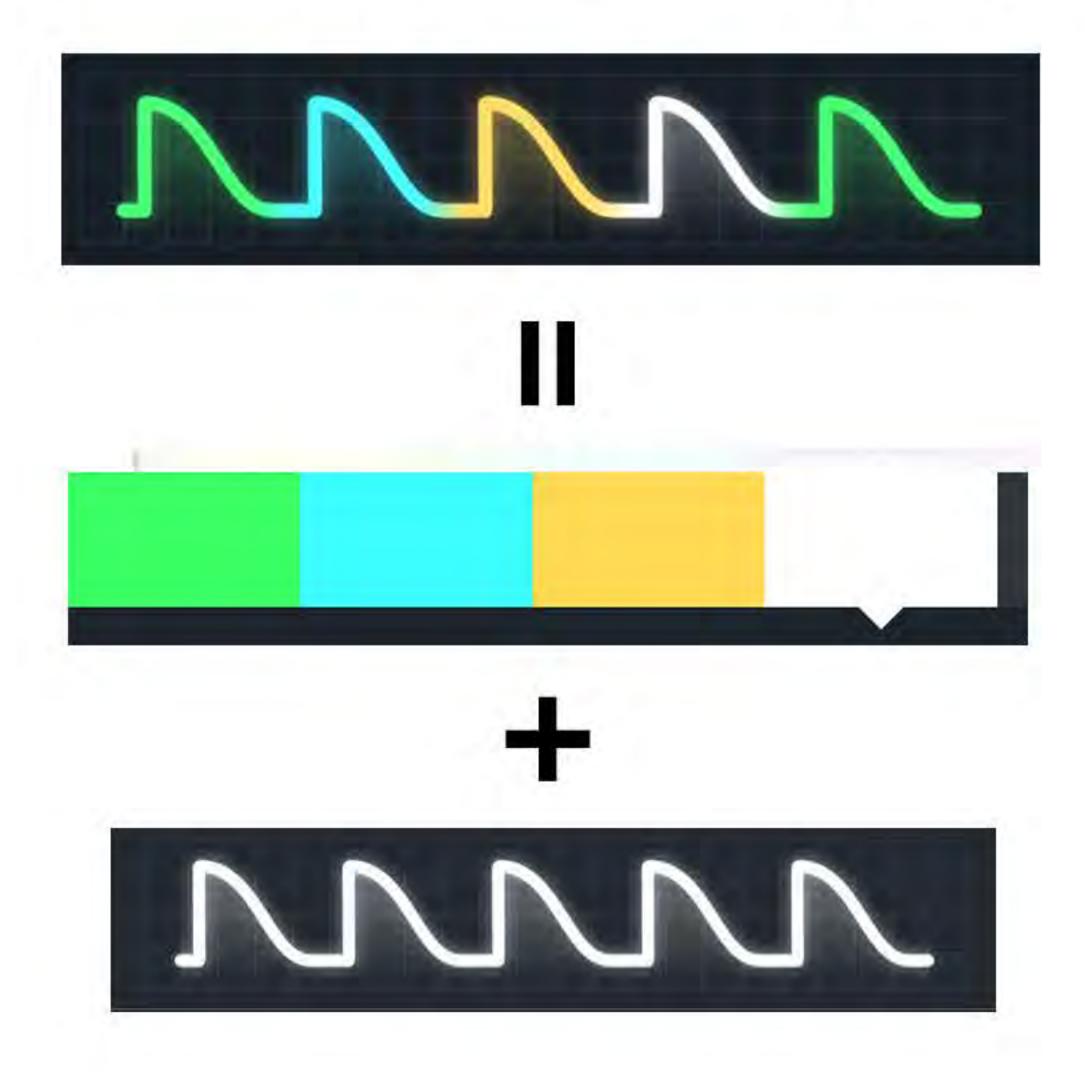
🕑 🤺 50% 🗖 🗖 

2- Colors group.

3- Pattern ness of the light.

4- Speed How fast the pattern changes.



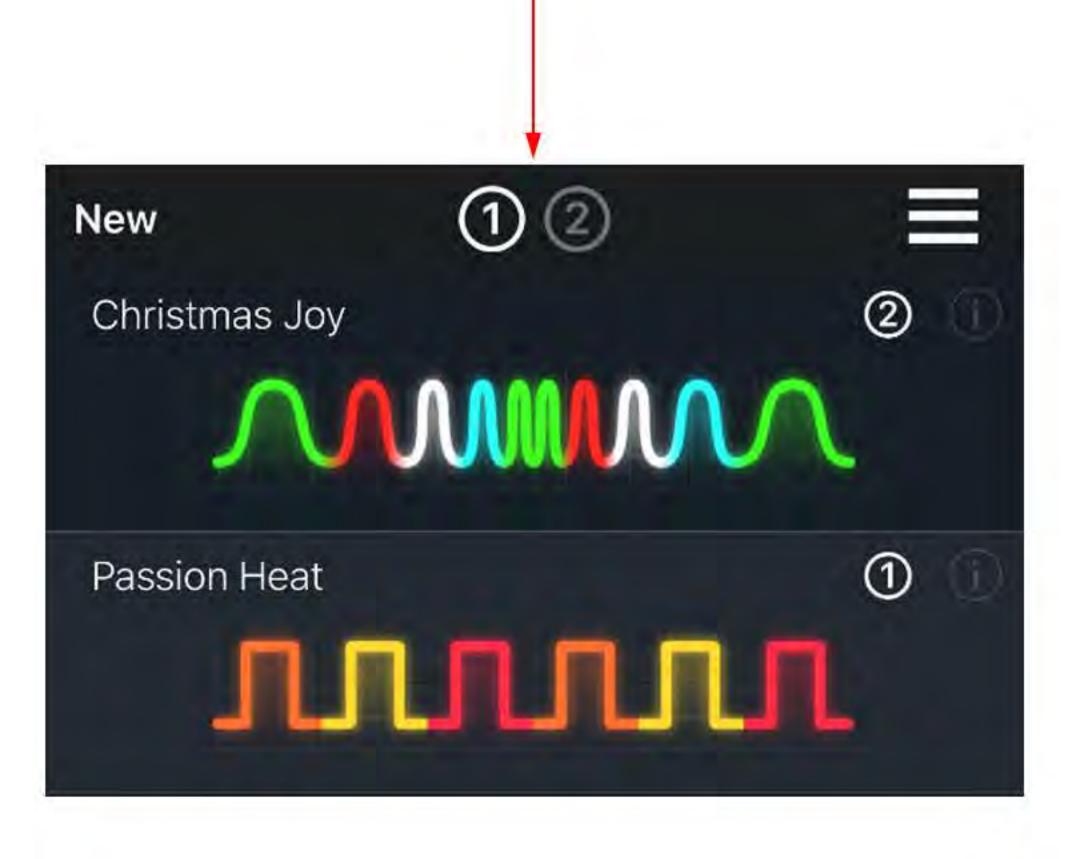




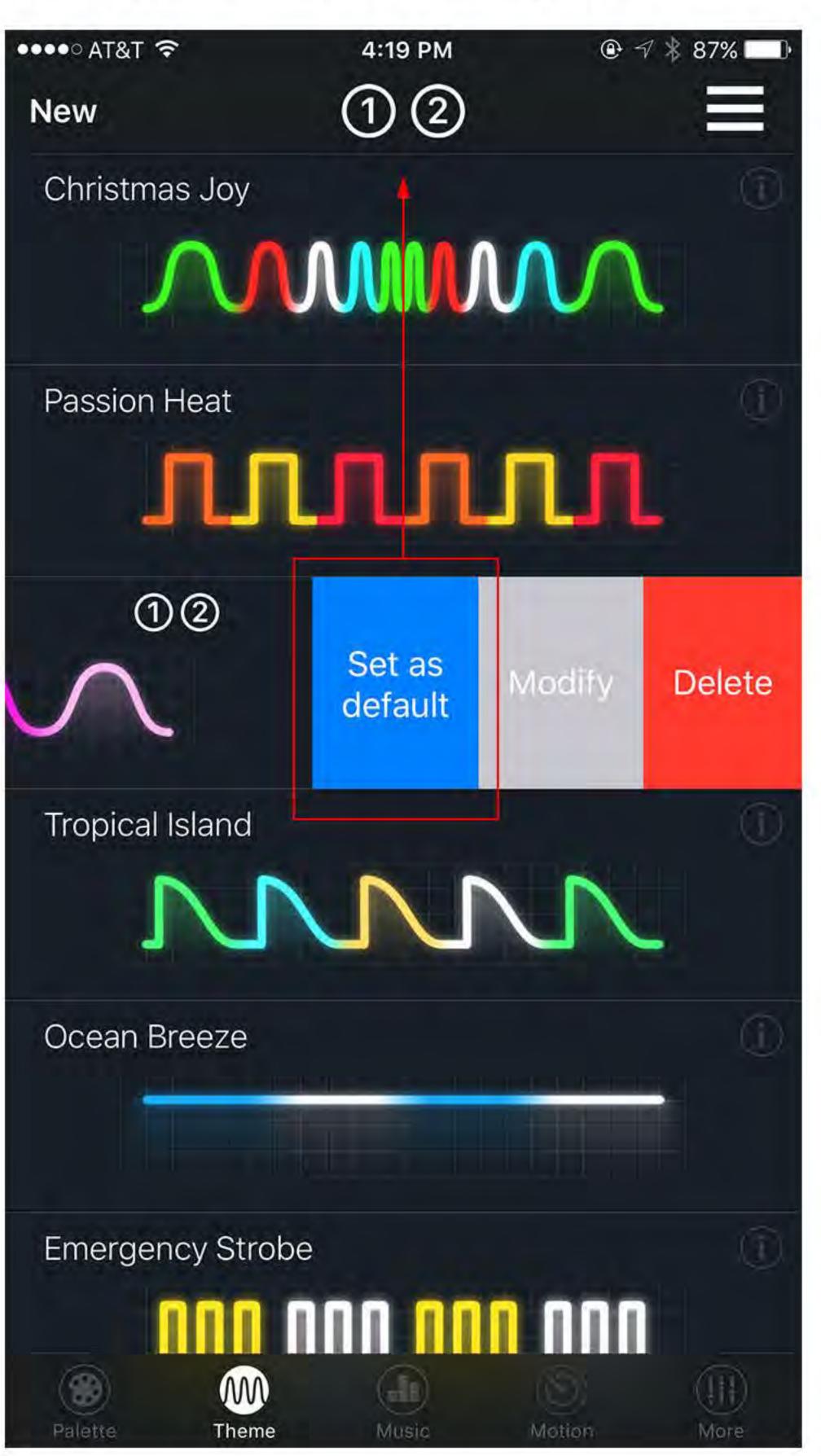
Each zone can display theme different from others.

The top zone markers serve as checkbox.

As shown below, click "2" to uncheck zone 2. then click the second theme, now only zone 1 is assigned to the

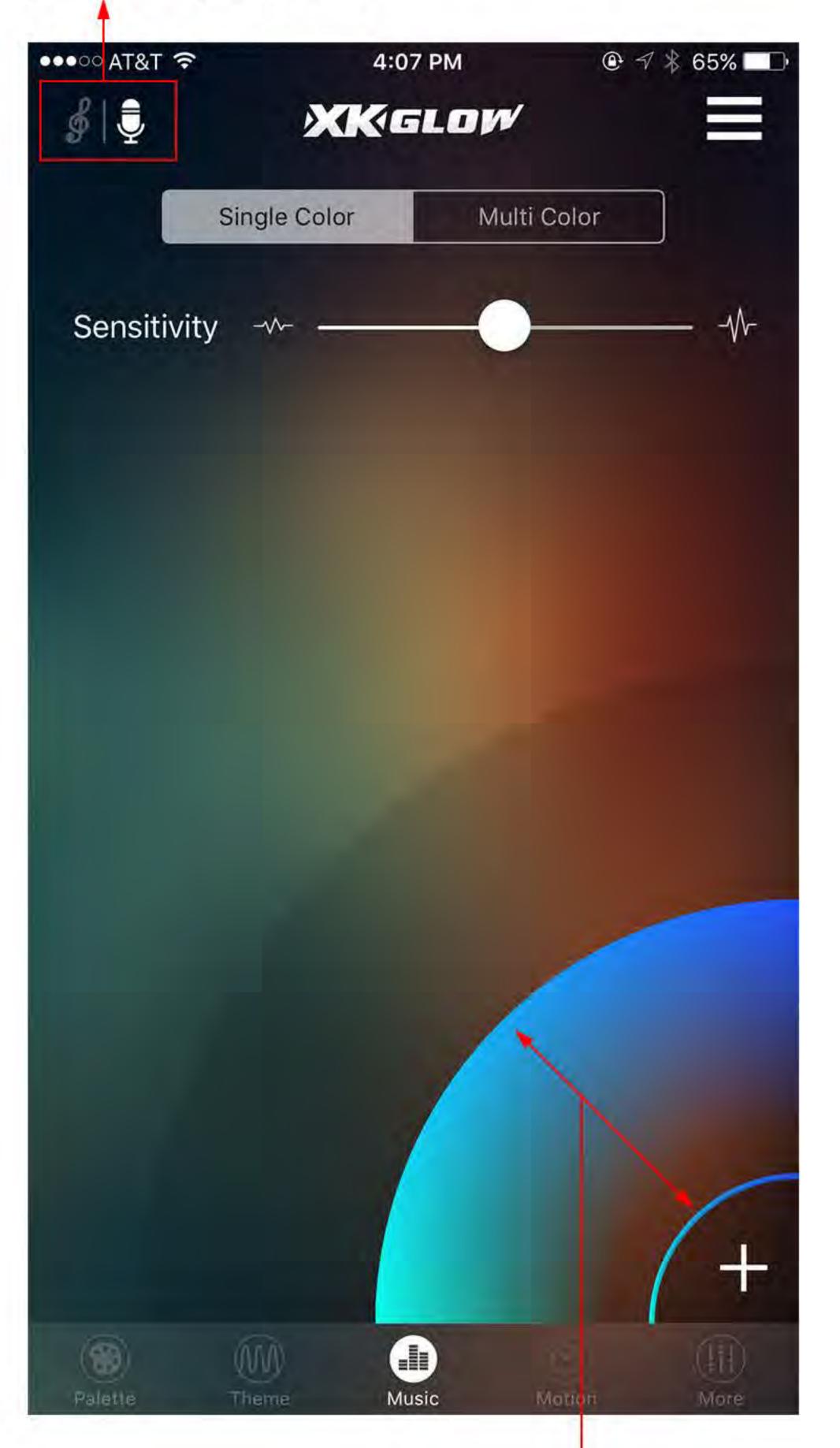


When a theme is being applied to a zone, user can set this theme as Startup theme and etc to current assigned zone(s), similar as Palette page.



### Mic Mode:

Light changes according to sound picked up by mic.



1- The size of the sector will change based on the volume of the music in real time.

2- The color of the sector indicates the current color of each zone. If each zone is displaying different color, they will be blended as shown above.

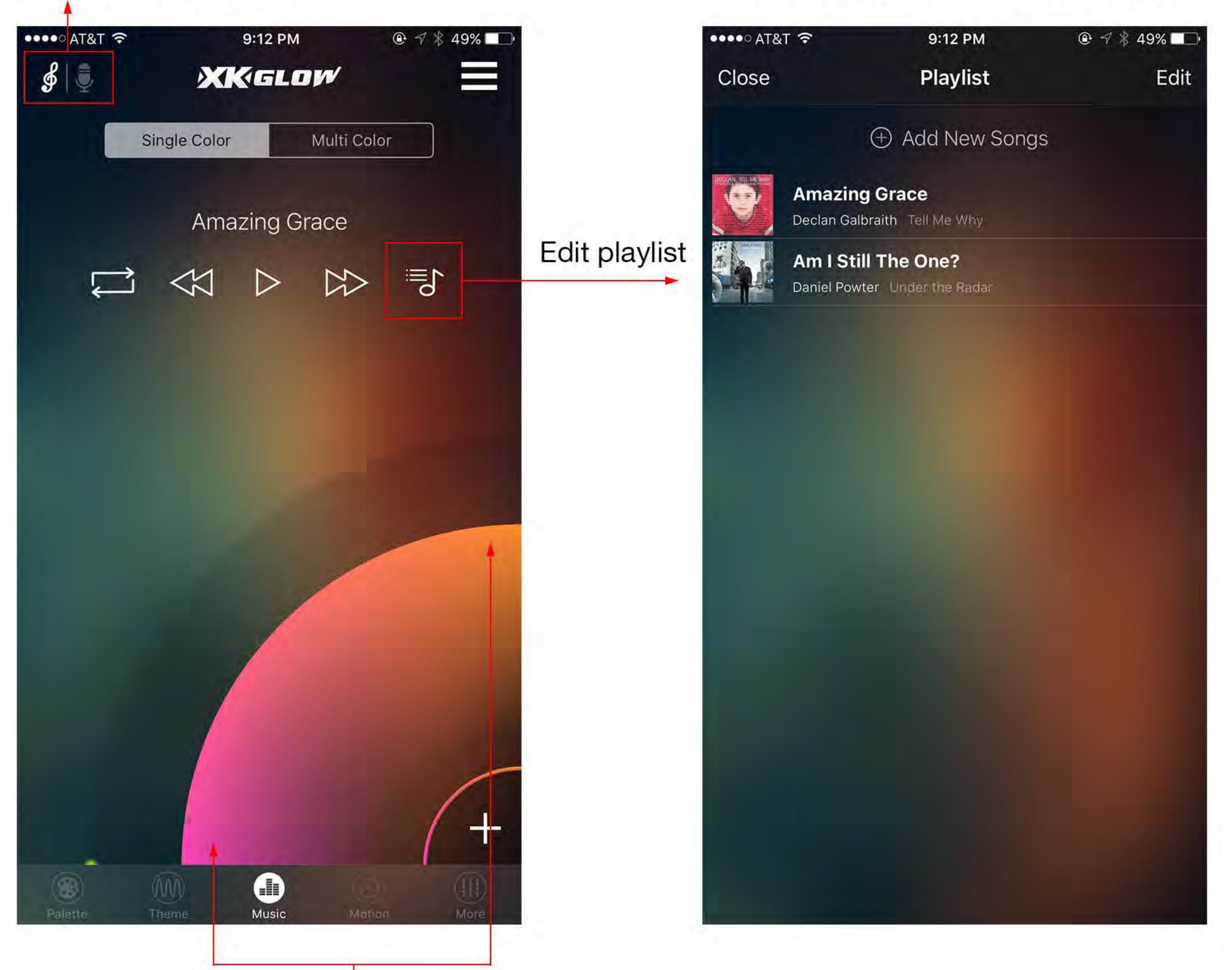


## Music

This function controls the light to respond to various sound sources in several ways.

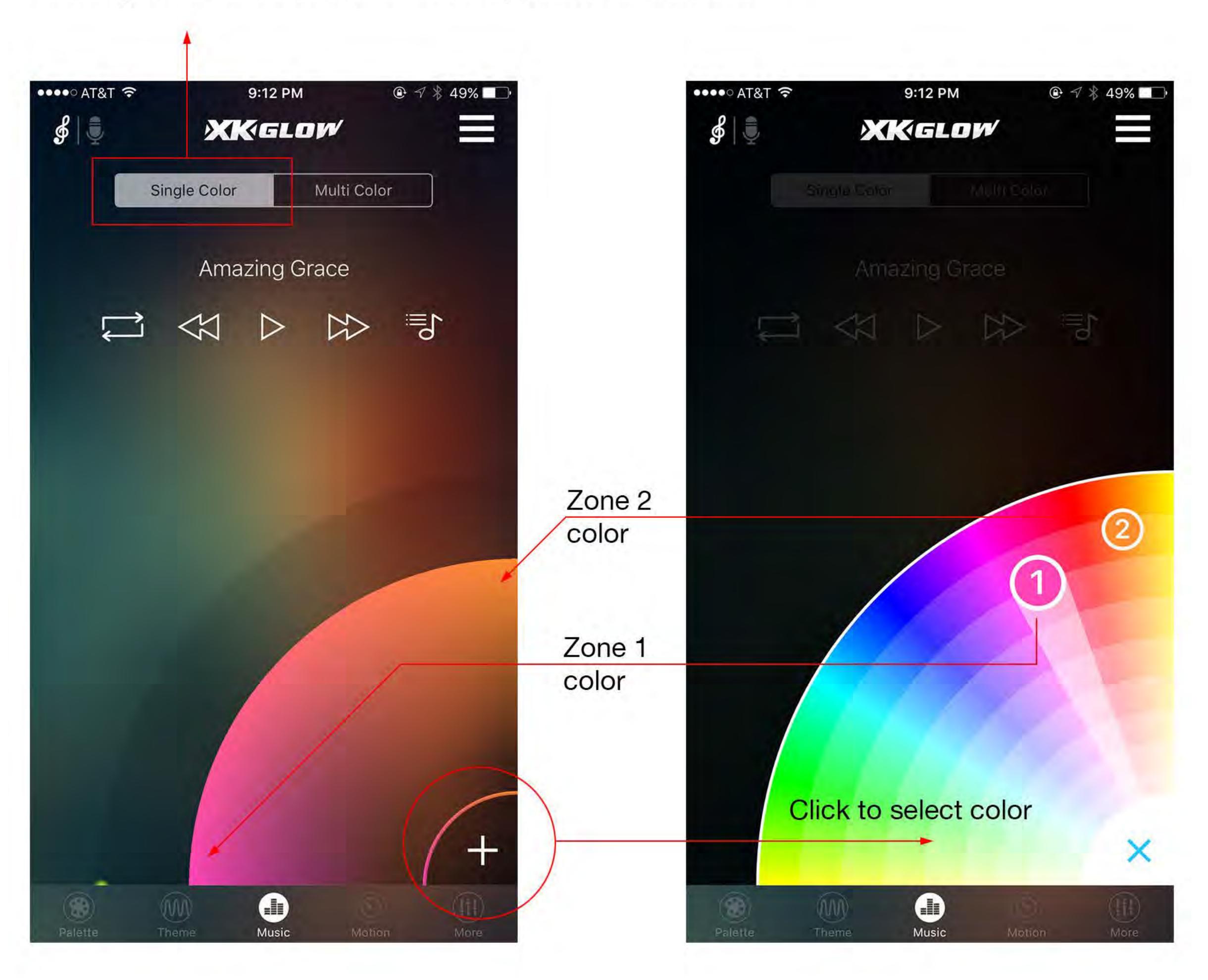
### **Music Mode:**

Light changes according to music downloaded in the app.



User can add, remove, rearrange songs in the playlist in this page. This is a fully functional music player.

### In single color mode, user can only assign 1 color to each zone. The brightness of that color will be mapped to the volume.



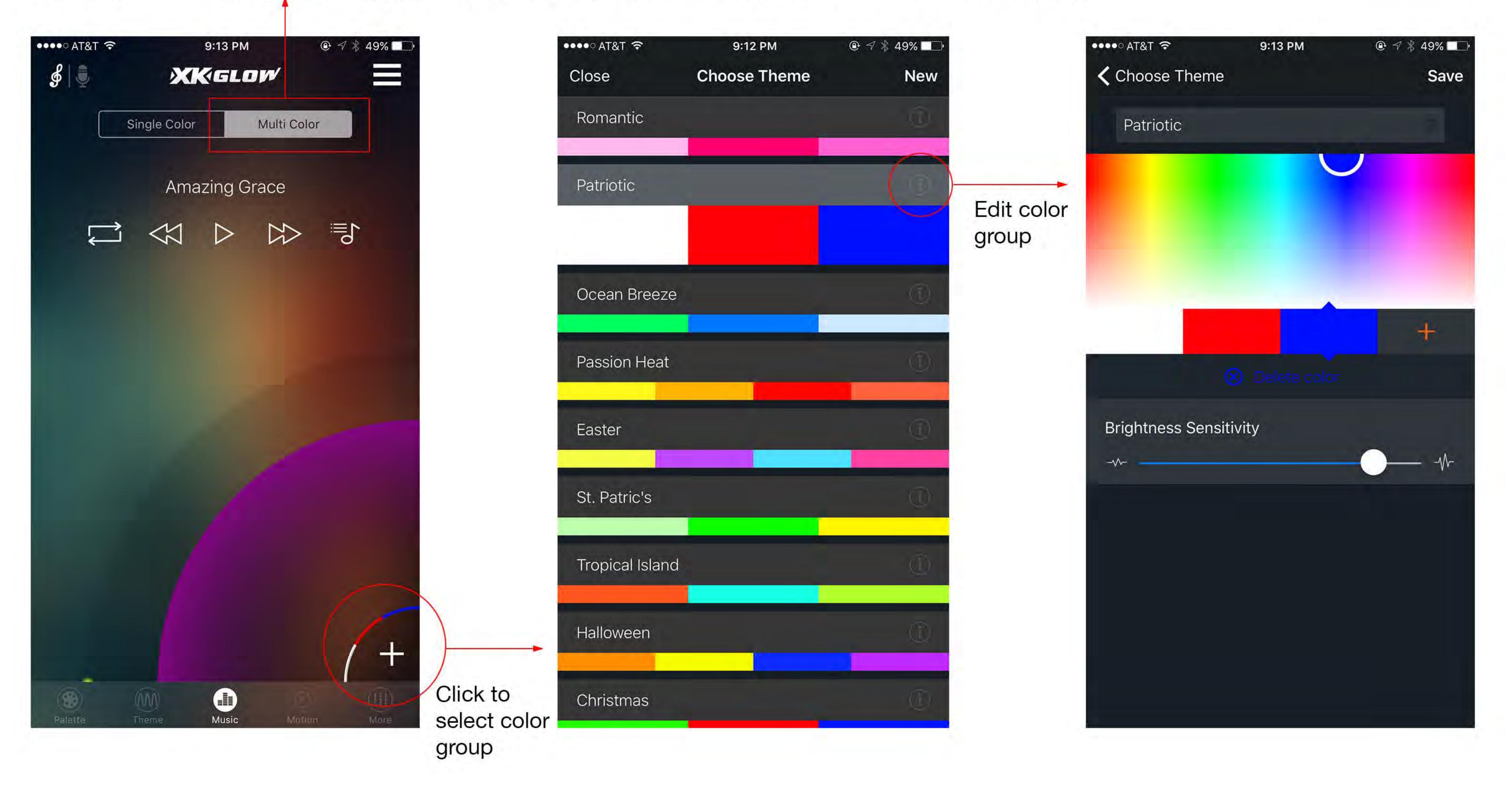


## Music

In entire music page (including single/multi color modes, and mic/music modes), we used a dynamic analysis algorithm to analyze the sound/music. Every 5s, the program adjust its color mapping scope based on the volume changing scope of the sond/sound within this 5s. This way, the app automatically adjsuted its sensitivity to maximize the visual effect of the music mode.

In multi color mode, user can assign a group of colors to both zones. Both zones do the samething in this mode.

The colors of that group will be mapped to the volume along with the sequence of the colors in that group.





## Music

## This function helps driver find where their car is parked.





## Location

 0%		
-		

This is the work flow of the Find My Vehicle function.

- When user parks the vehicle and leaves their car, as the distance between the phone and controller gets longer, the bluetooth connection eventually gets lost at about 30-80ft.

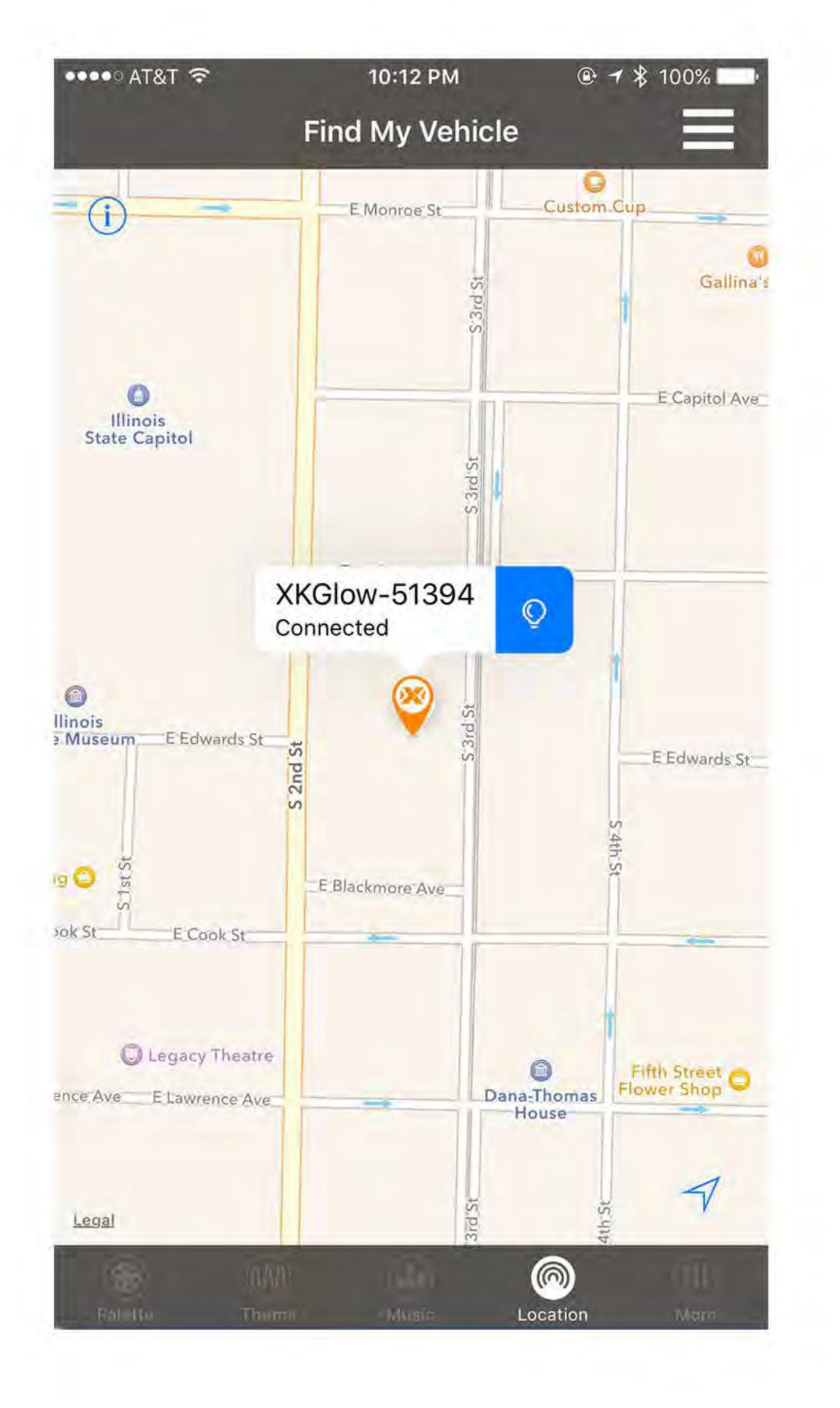
- When the connection is lost, the app will automatically pin down its GPS location as vehicle's parking location and display it on the map as shown on the left.

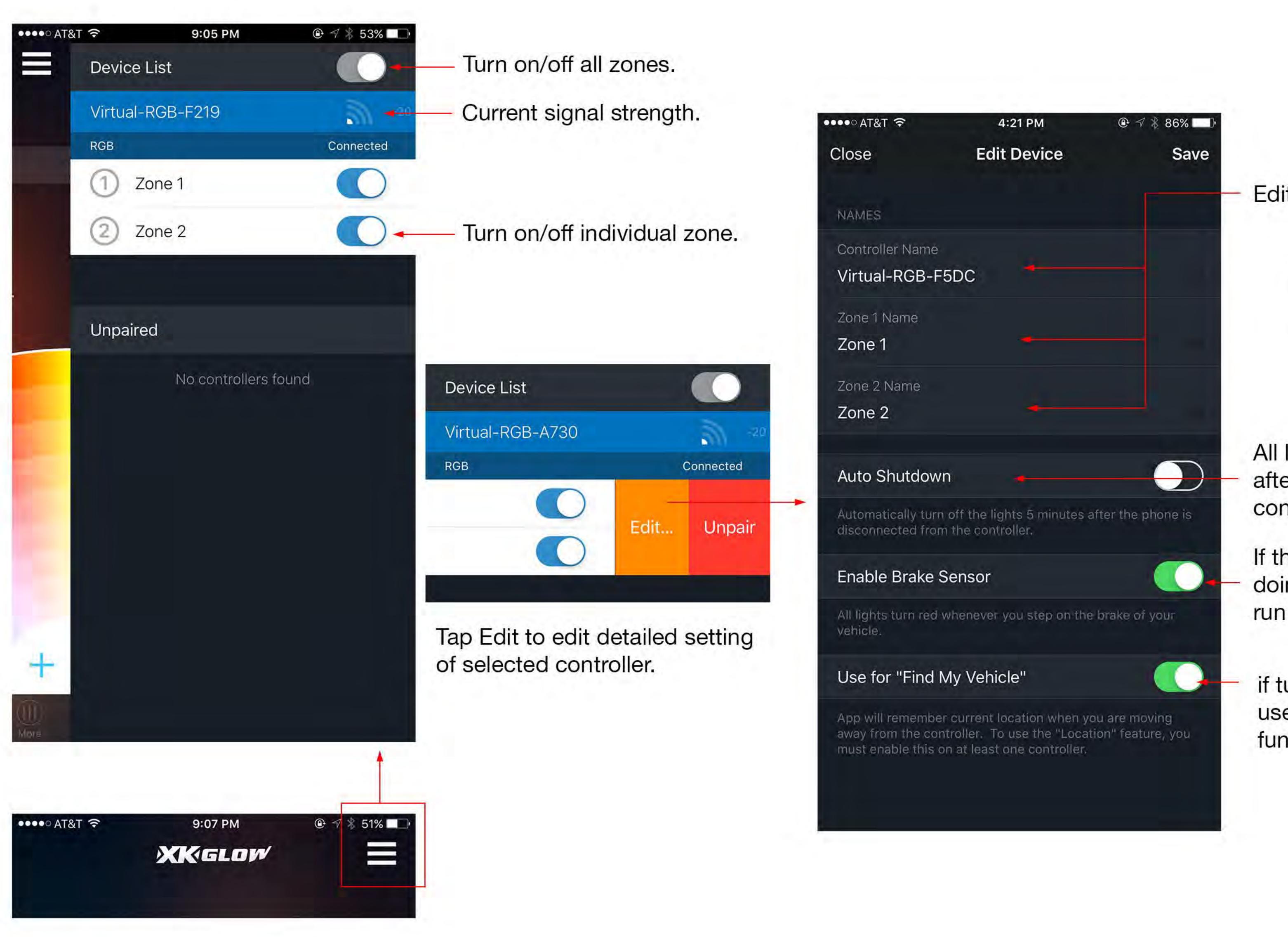
- User can click 🚺 to use navigation app for directional guidance if needed.

- Once the user walks back to the spot and reconnect to controller, the icon will show as Connected as shown on the right. If user still doesn't see the car, he can tap 🔘 to turn on the lights.



More





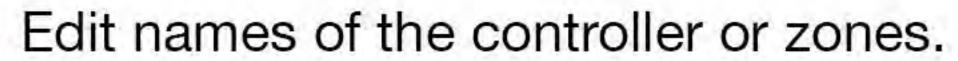
Click E button to open device list. All paired and unpaired controllers that are currently in range are listed here.

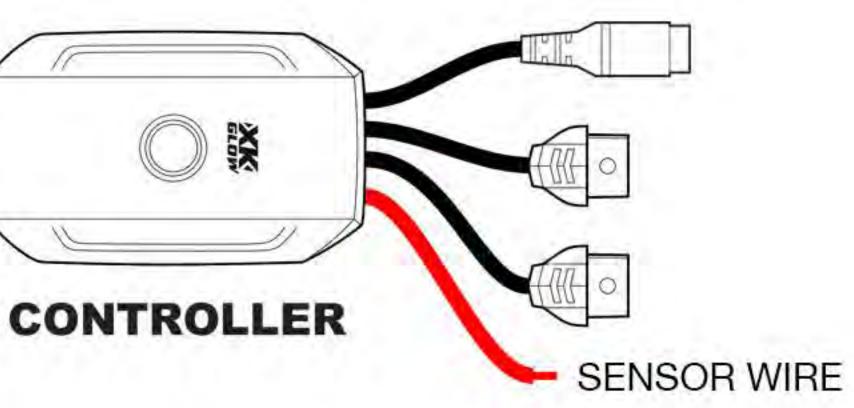


All lights automatically shut off 5min after the conection between app and controller is lost.

If this switch is off, this zone will keep doing whatever it is doing and will not run the SMART SENSOR ACTION.

if turned off, the controller will not be used/triggered by Find My Vehicle function.





### **FCC Warning**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.