

# Lightning Warning



Please unplug your lights when there is a chance of lightning.

Power surges caused by lightning will damage many components in the system, and are **not** covered under warranty.

# Important Safety Instructions:

**Please read this manual, and save for future reference**



## **Shock Hazard**

Under NO circumstances should anyone enter the water with the electrical equipment plugged in and/or in operation.

WARNING - Risk of electrical shock - To reduce the risk of electrical shock, be certain that it is connected only to a properly grounded, grounding-type receptacle. This lighting set has not been investigated for use in swimming pool areas.

ALWAYS use a GFCI protected receptacle or breaker.

ALWAYS disconnect the power when swimmers are present.

Do NOT use an extension cord to supply the power.

NEVER lift or drag the light set by the power cord.

During freezing temperatures, remove and store inside.

ALWAYS use a qualified electrician when installing a power source next to your pond.

If installing from a boat or raft ALWAYS wear a Life Guard approved personal flotation device.

**Note: Failure to attach the lights through the transformer will damage the lights and void the warranty.**

**Do not connect your lights directly to a 110 volt outlet. Doing that will burn up the lights.**

## Questions?



# PRX-V1

RF RGBW

## RGBW Touch Wheel RF Remote Controller

### Operation Instructions

- When turning on your lights, the LED indicator light will display blue. When turning off your lights, the LED indicator will display red.
- When press or touch operation is invalid (If the light is off), the LED indicator light will display red.
- To extend the battery life of the remote, **after a few seconds of idling, the touch wheel will enter a "sleep state"**. You need to press **any key** on the remote to "wake" the touch wheel back up.



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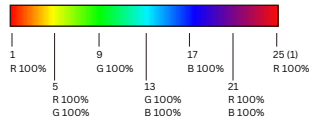
## PRX-V1 RGBW Remote Key Functions



: Turns lights on/off.

: Touch to change static RGBW color.

: Short press to get 24 variations of static RGB color, long press for continuous static color adjustment.



: Short press to cycle through the Dynamic Color Changing modes (**see mode list below**), long press for 2 seconds to turn on the Dynamic Color Changing mode-cycle.

: **When in the Dynamic Color Changing modes**, this button adjusts the speed that the colors switch. Short press to adjust between 10 levels. Long press this button for 2 seconds to get back to the default speed.

**When in a static RGB color mode**, this button adjusts the color saturation. Short pressing this button slowly mixes white into the current static RGB color, cycle through 11 levels of color. Long press for 1 to 6 seconds for a continuous 256 level adjustment. NOTE: Release button and hold again to add static color.

: This button adjusts light brightness. Short press through 10 levels, long press for 1 to 6 seconds for continuous 256 level adjustment. Note: Release button and hold again to add more brightness.

**R** **G** **B** : Short pressing these buttons generates a static red, green or blue color directly. Long press for 1 to 6 seconds to adjust R/G/B brightness continuously to achieve amazing custom colors!

**W** : Short pressing this button turns on/off the W (White) channel. Long press for 1 to 6 seconds to adjust W brightness continuously. This will slowly change the color saturation by adding white color slowly. This button functions similarly to the button.

**S1** **S2** **S3** **S4** : Short press these buttons to recall the preprogrammed scenes. Long press for 2 seconds to save the current color into S1/2/3/4. The LED light indicator at the top left of the remote will display green when the scene is saved.

**! S1-S4 VERY IMPORTANT INFORMATION !**

**Buttons S1 - S4 have been PREPROGRAMMED. If you LONG PRESS these buttons while on other color changing modes, you will ERASE the customized, preprogrammed color changing modes. The ONLY way to recustomize them will be through the Bluetooth App.**

## RGBW Dynamic Mode List

No.	Name	No.	Name
1	RGB Jump	8	Green Fade In and Out
2	RGB Smooth	9	Blue Fade In and Out
3	6 Color Jump	10	White Fade In and Out
4	6 Color Smooth	<b>S1</b>	<b>Patriotic (Red, White, Blue)</b>
5	Yellow, Cyan, Purple Smooth	<b>S2</b>	<b>Christmas (Green, White, Red)</b>
6	RGB Fade In and Out	<b>S3</b>	<b>Valentine's (Red, Pink, Purple, White)</b>
7	Red Fade In and Out	<b>S4</b>	<b>Fire/Halloween (Red, Orange)</b>

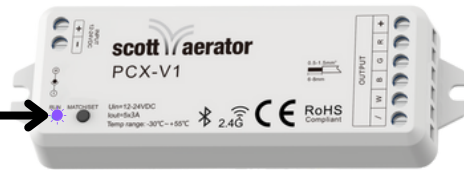
# Bluetooth Application Instructions

To access the Bluetooth capabilities of your fountain lights, download the Tuya App from the Apple Store, Google Store, or wherever your smart phone offers application downloads.

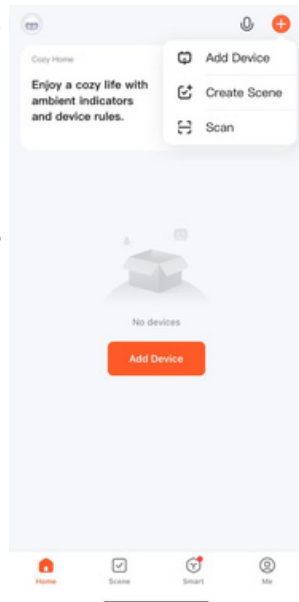


## Connecting Your Lights To The Tuya App

1. Open the application on your phone.
2. You can create an account if you like, or can choose "Try as a guest" at the bottom of the screen.
3. Double tap the Match/Set button on your PCX-V1, the "Run" light will flash purple. This means the PCX-V1 is in pairing mode for the Bluetooth App.



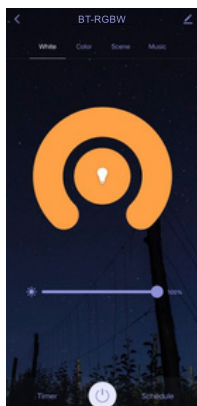
4. From the Home Screen, there are two places to add the lights. Click "Add Device" in the center of the screen or in the top right of the screen click the "+" button and choose "Add Device".



5. Inside the "Add Device" Screen, you'll see the "Add" option for your lights. Simply click "Add" and the lights will connect to your phone!

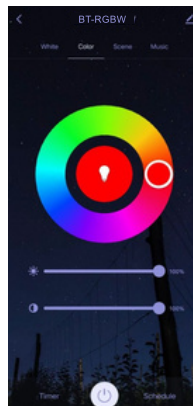


## Tuya App Interface



### White Interface

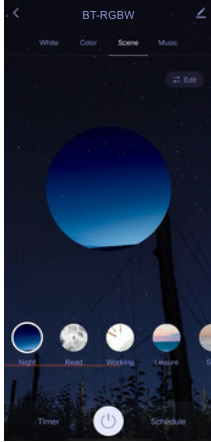
Touch the brightness slide to adjust white channel brightness.



### Color Interface

Tap the color wheel to adjust the static RGB color  
Touch the brightness slide to adjust color brightness.  
Touch the saturation slide to adjust color saturation. The lower the color saturation percentage, the whiter the color becomes.


# Tuya App Interface (Cont.)

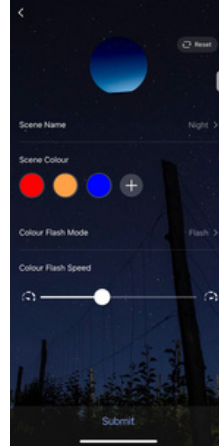


## Scene Interface Part 1

**S1 - S4 Scenes on your remote correspond to the first four modes inside the Scene Interface.**

There are 8 total scenes possible.

To customize these modes tap the  button right beneath the "Music" Tab.

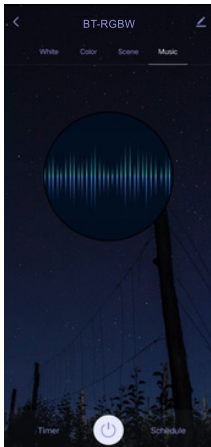


## Scene Interface Part 2 (Editing Scenes)

Inside the Edit screen, you can customize the Scene Name, Scene Colors, Flash Modes, and Color Change Speeds.

### Two important notes:

1. If Color Flash Mode is in "Static", you cannot add multiple colors. Don't be alarmed, just change the Flash Mode to "Flash" or "Breath".
2. Inside each Scene, there is a maximum of 8 color options!



## Music & Timer

The Music Interference can use your smart phone music player or microphone as music input.

The Timer can turn on or turn off your lights within a 24 hour period.

There is a schedule key, however this function is not compatible with these lights.

# Re-Linking the Remote

**Relinking Remote:** If your fountain lights are not responding to your PRX-V1, the lights may need to be re-linked. Follow the steps below to re-link your remote to the color controller.

1. Tap the Match/Set button on the PCX-V1.
2. Immediately press the power button on your remote.
3. The LED Run light will flash quickly a few times to indicate a successful connection.



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**Relinking the Bluetooth:** If your PCX-V1 is not connecting to your Tuya App, they may have un-linked. Follow the steps on the "Bluetooth Application Instructions" from Page 8 or check out the Quick Reference Guide inside your control box.

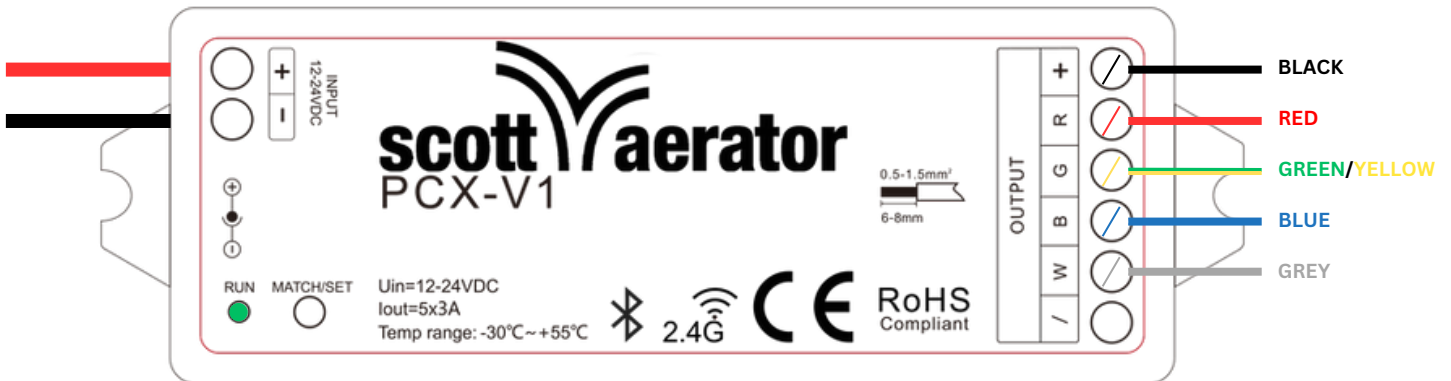
### Match/Set Button Functions:

**Single Tap** - initiates remote control pairing

**Double Tap** - initiates Bluetooth app pairing

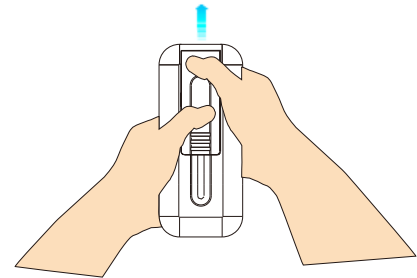
**Long Press** - resets controller, and cycles through the different color modes. **IF your run button is any color besides green and your lights aren't functioning properly, hold down the Match/Set button until the light turns green and release.**

# Wiring Diagram for Color Controller, DC Power Supply & DMX Controller



## Safety Information

1. When installing battery, pay attention to the battery positive & negative polarity.
2. If you are not going to use the remote for awhile, remove the batteries.
3. When the remote distance lowers or is insensitive, replace the batteries.
4. The remote control is not designed to handle water or for outdoor storage.

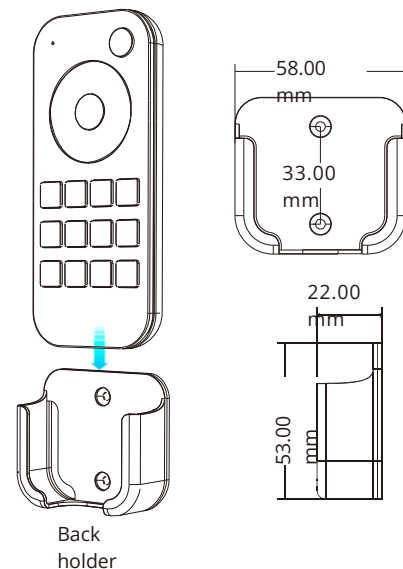


When replacing the batteries, use both hands to remove the back cover of the remote control.

## Remote Mounting Options

Two options are offered for mounting.

1. Use the wall mount, using the two small screws to mount to any wall.
2. The remote has a built-in magnet, it can be placed on any magnetic surface.



# Maintenance Recommendations:

## NORMAL OPERATING CONDITIONS

**Only connect the lights to the control box that is provided with your light kit.** Assemble the light kit properly based on this document. Proper operation and maintenance of the lighting kit is outlined in Maintenance Recommendations. Remove the lights from the pond during the winter if temperatures are below freezing. Make sure the cable is protected from pond critters or machines that might damage the cord as this is not covered under the warranty.

## OBSERVATION

Operating equipment should be observed on a regular basis (daily, if possible) for any reduction or variation in performance. If a change in performance is observed, the equipment should be carefully disconnected from power and inspected.

## WINTER STORAGE

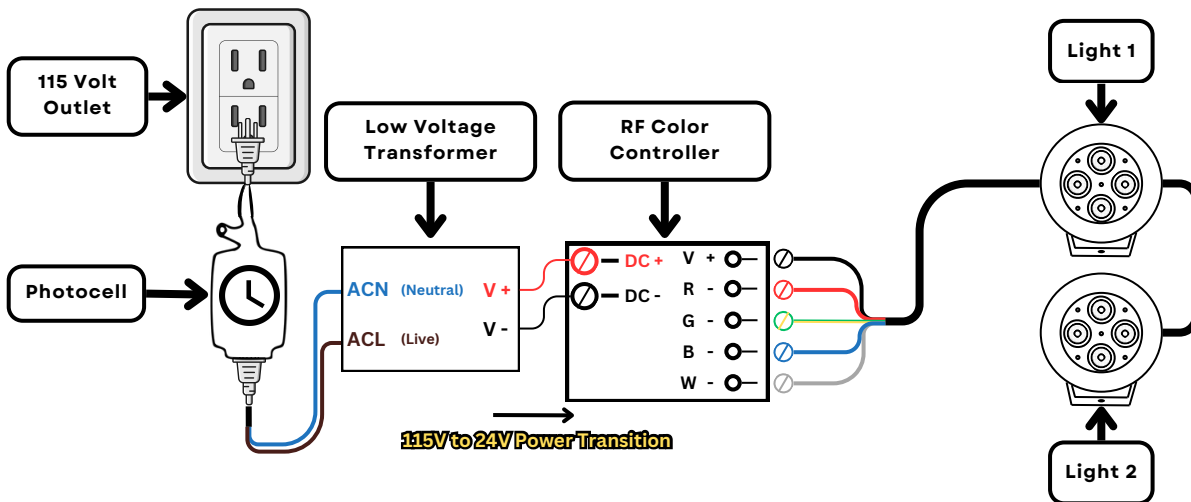
In regions where there is significant freezing in the wintertime, the LED light kit should be removed from the water to protect it from the expansion pressure of ice. Storage over winter is best in a location that is out of the sun and cool, but above 32° F. We recommend disconnecting your lights from your fountain when storing for the winter.

## CLEANING

Light kits should be removed from the water at least once per year (at the end of the season in cold climates) to clean the exterior of the system. The light fixture surfaces dissipate heat into the water, and any algae, calcium, or other build-up will become an insulator that blocks heat transfer and may lead to overheating and damage. Periodically cleaning the light lenses with a non-abrasive brush will also ensure the brightest light possible.

**Note:** The LED fixtures are sealed and do not require any maintenance other than cleaning. Do not attempt to open light fixtures, as this will void the warranty.

# Flow of Power Chart



**Note:** If there is any disruption to the flow of power, the lights will stop working properly!

**Recommendation:** If your lights stop working, check from the 115V outlet all the way down the power flow chart to systematically figure out what might have gone bad.

## Troubleshooting Steps

One or Two Lights Out?	In most cases, when one or two lights are out, a cut or break in the power cord is the culprit. Remove the lights from the pond and inspect the entire run of cord (including between the lights). Repair with heat shrink wrap, or other water proof materials.	
All Lights Out?	1 - After pressing buttons on the remote, is the LED light indicator in the top left responsive?	If yes, the remote may be unlinked. Follow the relinking instructions on page 9.
	2 - Has the breaker tripped?	If no, replace remote batteries. If yes, restart the breaker. Press the power button on the remote to see if the lights come back on.
	3 - Is the green “run” light on the color controller on?	If yes, this likely means there’s a cut somewhere in the run of cord. Unplug the unit, remove the lights from the pond and inspect the full run of cord for cut or breaks. If no, this likely means the power supply OR color controller has stopped working.