



RGB PRO PANEL

USAGE INSTRUCTIONS

POWER OPTIONS



AC Power Option

Thread the included AC power cord into the Input AC 15V. Switch the "On/Off" button to the "Input AC" position. The LED back panel should illuminate.

Battery Option

Slide a V-mount battery (not included) such as the Savage BNP-BP190V into the V-mount on the back of the panel. Slide from left to right until the battery is fully seated. To release and remove the battery, press the battery release button at the top center above the battery.

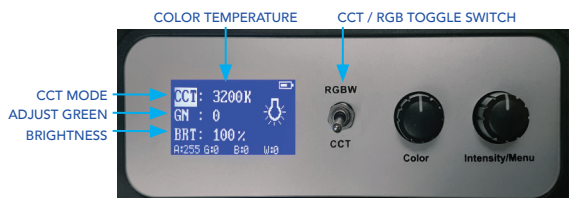
V-MOUNT BATTERY

SOLD SEPARATELY

POWER SWITCH

AC INPUT

CCT MODE



- ★ 3200K - 3900K = Tungsten/incandescent light
- ☀ 4000K - 4900K = Fluorescent light simulation
- ☀ 5000K - 6500K = Daylight
- ☁ 6500K - 7000K = Cloudy day
- ☁ 7000K - 8000K = Overcast day
- ☁ 8000K - 8900K = Hazy day
- ☁ 9000K+ = Snowy day

Panel Control Settings

CCT – COLOR CORRECTION MODE OPERATION:

Use this mode when daylight, tungsten or color temperature blending is desired. The panel is capable of achieving color temperatures between 3200K and 10,000K. 3200K is considered tungsten and 5600K is the daylight setting. Adjusting the panel above 5600K will result in gradually lower CRI, with 9999K dropping to CRI 89. Because we use both a CRI > 97 3200K chip and a separate CRI > 97 5600K chip, blending anywhere between these two color spectrums will result in CRI > 97 at any point in between.

Flip the "Toggle" to the down "CCT" position. Press the "Intensity/Menu" button until the menu that says "CCT" is visible.

To adjust color temperature, press the "Color" button until "CCT" is highlighted by a white box. Turn the "Color" button clockwise to increase the color temperature and the counterclockwise to lower.

To make fine green adjustments to the selected color temperature, press the "Color" button until "GN" is highlighted. Turn the "Color" knob clockwise to add green to the light output. In many environments, it may be beneficial to match the available light by using the color temperature feature but the panel output may still be of a higher quality than the available light. User can increase the green to decrease the quality of the panel's light output until the lower light quality of the environment is matched.

Caution: As green is increased, CRI will decrease.

To adjust brightness at any selected color temperature, turn the "Intensity/Menu" button clockwise to increase brightness and counterclockwise to decrease.

Instead of manually adjusting the color temperature, the Savage RGB Pro Panel can be adjusted to simulate various light sources. Press the "Intensity/Menu" button one time. Turn the "Menu" button clockwise to select: "Light Source". Press the "Menu" button one time. User will be able to simulate the various light sources listed in the columns below. Turn the "Menu" to select the desired light output simulation. From this menu, you can simulate the following Kelvin temperature light sources:

- | | |
|---|--|
| 12 = Fluorescent soft white (3200K, CRI 97) | 17 = Fluorescent cool (6700K, CRI 94) |
| 13 = Fluorescent warm white (3600K, CRI 97) | 18 = Daylight overcast (7300K, CRI 93) |
| 14 = Fluorescent white (4300K, CRI 97) | 19 = Daylight shady (8400K, CRI 91) |
| 15 = Fluorescent daylight (5000K, CRI 97) | 20 = Snowy day (10,000K, CRI 89) |
| 16 = Camera flash (5500K, CRI 97) | |

The Savage RGB Pro Panel can save up to 8 color temperatures of the users choice for future use. With the toggle switched to the "CCT" position, select the color temperature of choice in the "CCT" menu to be saved. Press the "Menu" button until "Preset" is visible. Turn the "Menu" button until "Preset Temp" is selected. Press the "Menu" button again and the "Preset Temps" menu should be present. Turn the "Color" knob clockwise to select the number 1-8 that you wish to be associated with the selected color temperature. After selecting a number for the first time, the panel will go dark. Press the "Color" knob again and the selected color temperature will be saved to that number for future use. To overwrite a previously saved color, turn the color knob until the number to be overwritten is highlighted. Press the color knob again and the new color will be saved.

SELECT LIGHT SOURCE





RGB PRO PANEL

USAGE INSTRUCTIONS

RGB MODE



RGB Mode

To start: make sure the toggle is set to RGB and then press the "Menu" button until "Menu" is visible at the top.

The panel will default to "Hue" selection. In this mode, you can select from any of 360 different colors. Press the "Color" button until "Hue" is highlighted. Turn the "Color" knob until the desired color is selected.

0 = Red 120 = Green 240 = Blue

Numbers in between represent colors between red, green and blue. After the desired color is selected, press the "Color" button one time and "Sat" will be highlighted. This feature allows for adjustment of the saturation of the selected color. Turn the "Color" button clockwise to increase saturation and counterclockwise to reduce saturation.

Turn the "Intensity/Menu" button clockwise to increase brightness and counterclockwise to reduce brightness at any selected color temperature.

To fine tune a selected color, press in the "Intensity/Menu" button. Turn the menu button clockwise until "RGBW Dimming" is selected. Press the "Menu" button again. The menu will default to the "R"/ red adjustment. You can adjust up or down to increase or decrease the amount of red in your selected color by turning the "Menu" button clockwise to increase or counterclockwise to decrease.

Turn the "Color" button clockwise to adjust "G"/ green in the selected color.

Turn again to adjust "B"/ blue.

Turn to the "W" or white position to increase or decrease the saturation of the selected color.

The panel can save up to 8 desired colors for future use. Select a desired RGB color, Press the "Menu" button until the "Hue" menu is present. Turn the "Color" button clockwise until "Hue" is highlighted. Scroll to the color you wish to save. Press the "Menu" button until "Menu" is displayed. Turn the "Menu" button until "Preset Colors" is highlighted. Press the "Menu" button a second time and the panel will go dark. Press the "Color" knob again and the selected color will be saved. Turn the "Color" knob clockwise and select any number 1-8 that you would like to save the selected color to. The panel will then go to that color any time that number is selected. To overwrite a previously selected color, repeat above steps after selecting the corresponding number associated with the previously selected color.

RGB ADJUSTMENT



CYCLE SPECIAL EFFECTS



Special Effects

The Savage RGB Pro Panel is capable of 35 unique special effects. In RGB mode press the "Intensity/Menu" button one time. Turn the "Menu" button clockwise until "Cycle Effects" is highlighted. Press the "Intensity/Cycle" button again and the available special effects will appear. While "Mode" is highlighted, turn the "Intensity/Mode" button clockwise and to scroll through the various effects.

Fade effects: 37-47, 83

Strobe effects: 48- 55, 84-86

Pulsating effects: 56-59, 81-82, 87

Flickering fireplace: 102

Party lights/ fire works: 103

Flashing police car lights: 104

Television screen: 105

Lightning flashes: 106

To increase or decrease the speed of the effect, turn the "Color" knob until "Speed" is highlighted. Turn the "Intensity/Menu" button to adjust the speed. 1 is the slowest speed and 32 is the fastest.

DMX Operation

Connect the DMX output to the Savage RGB Pro Panel and turn the panel on.

The panel should automatically detect the controller and switch to DMX mode. The panel display will say: "DMX 512 with RGB.." Below the readout, the channel information will display.

Channel 1: Center Channel 2: Red Channel 3: Green Channel 4: Blue

The DMX512 will default to channel one, but four channels are supported. Set channel one to any number above zero (we recommend the 50% position). The panel's functions supported in DMX mode are RGB, hue/saturation/intensity and CCT. Red, green and blue can now be controlled individually.

To change modes. Press the "Menu/Intensity" button one time. The menu will display the following:

DMX

1/SW 2/R 3/G 4/B

1/SW 2/I 3/S 4/H

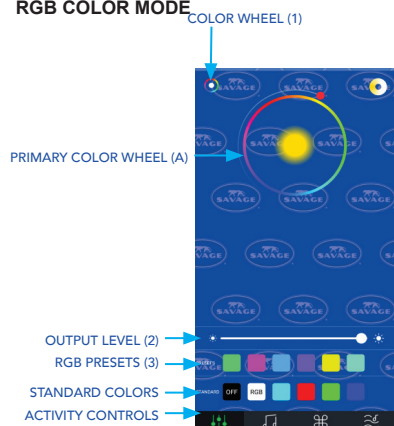
1/SW 2/BRI 3/CCT

The number before each letter is the channel number for the selected function. The first line is the RGB mode and when selected will allow the user to make red, green and blue adjustments. The second line allows the user to adjust the intensity, saturation and hue of the selected color. The third line allows the user to switch to CCT mode. To change modes, rotate the "Menu/Intensity" clockwise until the desired mode is highlighted. Press the "Intensity/Menu" button again and the light will switch to the selected mode and be controllable with the DMX controller.

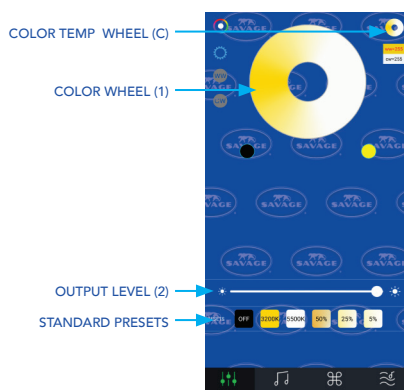
DMX OPERATION



RGB COLOR MODE



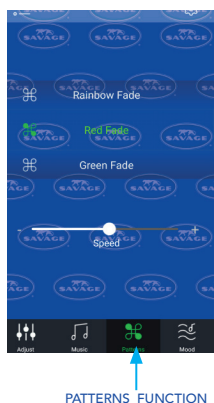
DAYLIGHT MODE



MUSIC MODE



PATTERNS MODE



Smart Phone App

The Savage RGB Pro Panel can be controlled remotely using the free Savage Light Manager app available for download in the Google Play Store & Apple Store.



Savage LIGHT MANAGER APP



With the Bluetooth setting on your phone enabled, turn the panel on and open the Savage Light Manager app. The app should pair automatically with the panel and the Bluetooth icon should come on at the top right corner of the back panel screen. If the Bluetooth icon does not illuminate, the panel is not paired. If this happens, refer to the trouble shooting guide.

SPECIAL EFFECTS

There are 4 activity controls at the bottom of the app. Tap the activity button at the bottom that you wish to activate.

ADJUST FUNCTION

The adjust function allows the user to change color, brightness, Kelvin temperature, save colors, and adjust hue and saturation.

PRIMARY COLOR WHEEL (A)

Primary Color Wheel (A) allows user to scroll around the color wheel to select 360 different colors. Once the desired color has been selected, slide right on the white "Light Output Bar" (2) to increase or left to decrease light output.

HUE AND SATURATION WHEEL (B)

Tap the color wheel (1) in the top left hand corner of the app and the "Hue and Saturation Wheel" will be visible. This function allows the user to both select the desired hue and also to adjust the saturation of the selected color. Tap the area of the color wheel anywhere inside the wheel to make your selection. You may also drag your finger inside the wheel until you observe the desired color on the light. Below the Light Output Bar (2), there are 6 programmable "Preset Buttons" (3) that allow you to save the color of your choice for future use. To save a color, tap any of the 6 preset buttons. A check mark will appear in the box. Scroll to the color of your choice on the color wheel. Tap the checked preset button again to uncheck the box. The check mark will disappear and the box will change to the color you selected. That color is saved for future use. You can repeat the above steps to save up to 6 colors, the presets will not save the light level. Only the desired color.

Below the 6 presets, there are 4 common "Standard Colors". They are cyan, red, green, blue and cannot be programmed. Simply tap to select and the light will change to the standard color. Press "RGB" button to go from the selected color to white.

Select the "Off" button to decrease light output to 0%. Tap any color on the color wheel or any of the color buttons and the light will restart at the selected color.

COLOR TEMPERATURE WHEEL (C)

The Savage RGB Pro Panel can be set to 5500K/daylight output. It can also be set to 3200K/tungsten light that is similar to a cool white incandescent look. In many rooms, there are multiple light sources in the room that are blending together. In those instances, the light in the room is neither daylight nor tungsten. The Kelvin wheel allows the user to blend the 2 light sources to match the available light in the room. It can also be used to "warm" or "cool" the subject for creative purposes.

To enable the color temperature blending function on the panel, tap the "Color Temperature Wheel" (C). You will then be able to slide your finger around the color wheel (1) to achieve the color temperature of your choice. Once the desired color has been selected, scroll right on the white Light Output Bar (2) to increase or left to decrease light output. Below the Light Output Bar (2), there are 6 "Preset Buttons". They are not programmable.

The first button in the Standard presets will decrease the light output to 0% (the light will still be in the On position). The second button labeled "3200K" will adjust your light to tungsten. The third button labeled "5600K" will set the light to daylight color temperature. The 50% button will change the Kelvin temperature to 4300K, the 25% changes the output to 3700K and the 5% button will change the output to 3300K. The Light Output Bar (2) can adjust the light intensity of the selected color temperature.

MUSIC FUNCTION

Your Savage RGB Pro Panel can be used to pulse with your music and audio files stored in your media library. The pulsing light will cycle through the various colors (rainbow effect) available and match the beat of the music or voices for audio recordings. It is not possible to specify a specific color in this function. Upon launch the app will ask for access to your device's media library. Allow permission if you would like to use music or audio files stored on your device to pair with the app's features. If not, disallow. If you would like to use the function but disallow at a later date, follow the procedure below:

FOR IPHONE

Go to your phone's Settings, scroll to Apps. Select Light Manager. Select the Media & Apple Music button to remove permission

FOR ANDROID

Go to your phone's Settings Select Application Manager Select Light Manager Select Permissions. Select the Storage button to remove permission

To use, tap the Music button at the bottom of the app. If permission is enabled, you will see a music list in the center of the screen. Select the song/audio recording of your choice. The selected content will begin to play. The volume bars at the top left of the screen should be green. If they are white, tap them to activate the light. If you wish to leave the music playing but prevent the want from pulsing, tap again and the light and the pulsing will stop.

PATTERNS FUNCTION

This function allows the user to engage numerous special effects. The various "Pulsating" functions cause the light to gradually fade up or down. The various "Strobe" functions cause quick flashes. The various "Fade" functions are similar to the "Pulsating" functions but there are more choices. The user can also select the special effects "Candle Light", Fire Light, Party Light, Police Car, TV Light and Lightening.

The Pulse, Strobe, Fade and Special Effects functions can be slowed down or sped up by sliding the speed wheel left to slow the effect or right to speed up. The various rainbow effects cause the light to cycle through all available colors. To select an effect, use your finger to scroll up or down to your selection. When your chosen effect is highlighted in green, the effect will be enabled. There is no need to tap to select.



Manage Bulbs

FOR ANDROID:

Name your panel:

Tap the "List" icon at the top left of the app. A side bar will open up that lists "Manage Bulbs".

Click the "Settings" icon next to "Manage Bulbs". You should see the panel listed. It will begin with "Magic...."

Tap the wrench icon next to the listed panel. A box will open to rename. Type in the name of your choice and select OK. If you have multiple panels, it is possible to control them separately using the Savage Light Manager.

IPHONE:

Tap the "List" icon at the top left of the app. A sidebar will open up that lists "Group Manage" and "My Device". Click "Group Manage", then "Add". Type in the name of your choice and select OK.

Repeat above steps to rename the second panel.

Important: If you are using the app on more than one phone, you can only pair the device/devices to one phone at a time. If the device is paired to more than one phone at the same time, the functions will not work.

TO CONTROL MORE THAN ONE PANEL USING: DEFAULT GROUPS

Tap the "List" icon at the top left of the app

A side bar will open up that lists "Default Groups"

Tap on right pointing arrow next to "Default Group" and you should see each paired light panel.

Note: only panels that are currently turned on will be visible. If the panel is controllable with the app, it will be highlighted with a blue background for Android or gray for iPhone.

If multiple panels are highlighted, then the app will control all at the same time.

If the panel does not have a blue/gray background, tap on it in the app. Blue/gray background will come on and the panel will be controllable. Note: the bulb to the left of the named panel should appear to be lighted. If it does not, tap the bulb and it will appear to light.

Note: The chain to the right side of the panel should appear unbroken, if the 2 links appear to be separated, tap on the chain until they appear connected. Breaking the chain can be used when temporarily disabling the light from the app is desired. Only highlighted panels will be controlled by the app. To control panels separately, tap any panel icon and the blue highlight will disappear. That panel will no longer be controlled by the app allowing the user to control each panel independently.

Troubleshooting

Problem: Light behaves erratically.

For Android:

If the app has been running in the background for extended periods of time, the apps cache can fill up.

Solution:

To solve, close the "Savage Light Manager" app.

Go to "Settings" in your phone.

In settings, go to "Application Manager".

Scroll to the app "Savage Light Manager".

Tap "Storage".

Tap "Clear Cache".

This will likely solve the issue. Re-open the "Savage light Manager App" and re-try.

If light fails to pair with your device's Bluetooth, GPS/Location Service may need to be enabled.

For iPhone:

Close out of the app completely and then re-open. You can also try to remove the battery from the panel and re-attach or restart the phone completely.

If you receive the error message "Unfortunately Light Manager has stopped." when clicking on the Mood function, it's likely that the Microphone permissions are turned off in the app. Refer to the Mood section of the instructions for more info.

If another specific activity control is not functioning, refer to that activity's section of the instructions for more info.

If the panel appears to be paired (BLE button on panel is on) z cannot be controlled, see instructions for Default Groups. The panel that is being used should be highlighted in blue/gray, the bulb to the right of the device should appear on and the chain to the left of the described device should appear unbroken.

Problem: Light will not pulse to selected music on phone:

Solution:

Make sure the sound bar icon is green and not white. If white tap and it will turn green. Try playing music. If still not working, select the "List" icon at the left top of the app and make sure the paired panel's "Bulb" icon is lit and the "Chain links" to the left of the listed panel are unbroken. If "Bulb" is not lit, tap one time. If "Chain" appears broken, tap one time. When the bulb appears lit and the chain links appear connected, go back to the "Music" menu and select play. The panel should now beat to the selected song in the rainbow mode.

Problem: Mood function does not respond to your voice.

Solution:

Slide the white bar all the way to the right. If the function is working, the light should begin to pulse in rainbow mode to any sound in the room. If successful, slide the bar to the left to gradually reduce the sensitivity of the speaker until the panel is only responding to you voice. If still not working, select the "List" icon at the left top of the app and make sure the paired panel's "Bulb" icon is lit and the "Chain" links to the left of the listed panel are unbroken. If "Bulb" is not lit, tap one time. If "Chain" appears broken, tap one time. When the bulb appears lit and the chain links appear connected, go back to the "Music" menu and select play. The panel should now beat to the selected song in the rainbow mode.

MANAGING BULBS



LIGHT MANAGER

