

Product Description

The DMX Boss is a new cutting edge DMX Controller that includes many new exciting features not seen before. The DMX Boss includes a standard Glass touch control interface as well as Wi-Fi Capability for Smartphone and Tablet control for up to 8 different lighting zones.

The DMX Boss Controls LED Lights in 3 Different Ways:

- **Smartphone or Tablet:** Control LED lights using software on your Smartphone or Tablet.
- Integrated Glass Touch Control Interface: Simple and elegant touch screen design.
- Wireless Remote: Use the optional wireless remote for convenient lighting control.



Main Functions:

- Control Up to 8 Different Lighting Zones Independently or in Groups.
- 4 Channel RGB-W Compatible for Color Changing Lights with Separate White Color.
- 10 Included Preset Programs with Color Chasing Option
- Adjustable Program Speed Buttons
- Adjustable Brightness Control Buttons
- · Color Wheel for Precise Hue Control
- Color Creation with Independent Color Variations
- Easy to Use Interface
- Up to 32 Controllable DMX Channels

Product Features:

- White Gloss Flat Touch Screen Interface
- DMX XLR Input/Output
- RJ45 DMX Output
- Wi-Fi Router Built-in for Smartphone or Tablet Control
- · Optional RF Remote Control
- Control non DMX LED Lights with optional DMX-RGB Interface
- Durable Metal Construction
- 2 Bi-Directional Wi-Fi antennas for maximum range

This manual reviews:

- Entire Installation Process
- Product Features and Primary Uses
- Detailed Functionality
- Technical Parameters



DMX Boss Controller



Antennas (2)



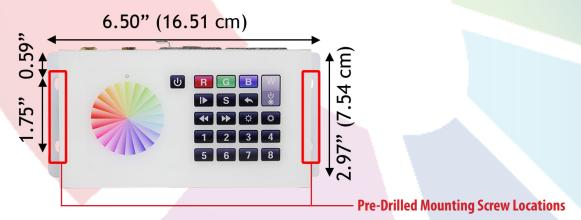
Installation

The DMX Boss Wi-Fi Controller can control up to 8 lighting zones together or independently. After the installation is complete, you can play programs and control a variety of colors.



Mounting the DMX Boss:

The DMX Boss comes with solid mounting surfaces on both sides with pre-drilled holes for your choice of screws. There is no installation needed on the back of the unit, so no access is required. Depending on the type of surface used to mount the DMX Boss, specific screws and tools will be required. Please refer to your local hardware store for advice.



Attaching Antennas to the DMX Boss:

The DMX Boss comes with two antennas for maximum clear wireless range:

Remove the red plastic caps. The DMX Boss and each antenna is labelled ANT 1 and ANT 2. Screw them down until they are snug on their respective antenna ports.

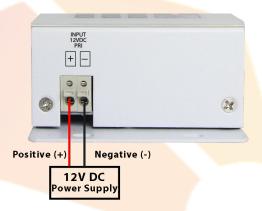






Powering the DMX Boss:

The DMX Boss comes with easy wire attachment ports on the right side of the controller and uses low 12V DC power.



Warning: If polarity is reversed damage to controller will result and is not covered by warranty.

Prepare the wires from the 12V DC power supply. To plug them in, first depress the button over the matching wire, insert the wire, then release the button. Check the wire is held snug.



If the wire pulls out, repeat step one and place the wire further in the correct hole. Repeat the previous step for the second wire.

Connecting the DMX Boss to Lighting Fixtures:

The DMX Boss can be connected two ways, individually or simutaneously, using the XLR out plug and/or the RJ45 output.

XLR Plug Location on the DMX Boss:

The XLR Plug location is on the top of the DMX Boss and includes easy push button on the XLR out port.





RJ45 Output Location on the DMX Boss:

The RJ45 output location is on the left side of the DMX Boss.

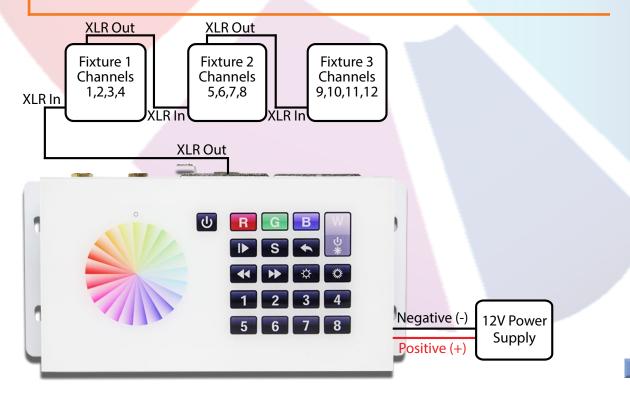


DMX Boss Connection Examples:

This section shows three different ways the DMX Boss can be connected to lighting zones.

Using XLR Connection Ports: for DMX enabled fixtures such as Wall Washers

Begin by connecting the DMX lights to the DMX Boss by connecting them using the XLR ports on the top of the DMX Boss. A total of 32 channels are available, for a total of 8 separate lighting zones (4 color channels in each zone, for colors such as red, green, blue and white). The XLR connections on the lighting fixtures can be connected in a row. On each lighting zone, set the channel for that zone (refer to the user manual for the products used for the correct channel numbers). The DMX Boss comes ready to use without pairing or programming as each of the 8 zone buttons are pre-programmed to recognize each zone (button 1 uses the first 4 channels, 1-4, button 2 uses the next set , 5-8, and so on).

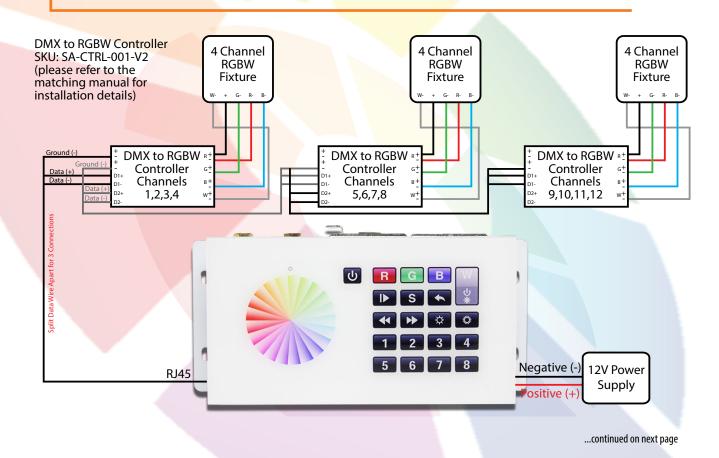




Using the RJ45 Output: for 4 Channel Lighting Fixtures such as LED Light Strips

2

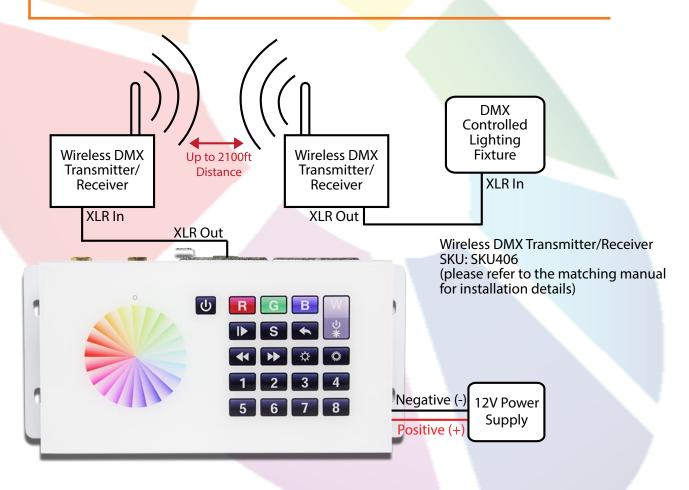
The data port plug can be used on the left side of the DMX Boss to connect directly to DMX controlled lights or can be used with RGB-W lights using a receiver to convert DMX signals to 4 channel RGB-W signals. To connect directly to DMX controlled lights, plug in the data cable into the DMX Boss and then plug into the DMX controlled lighting fixtures in a row. On each lighting zone, set the channel for that zone (refer to the user manual for the products used for the correct channel numbers). The DMX Boss comes ready to use without pairing or programming as each of the 8 zone buttons are pre-programmed to recognize each zone (button 1 uses the first 4 channels, 1-4, button 2 uses the next set, 5-8, and so on). When connecting to RGB-W 4 channel lights, a receiver is required to convert DMX signals to 4 channel RGB-W signals (sold separately), and one receiver is required for each zone. To connect the receiver, please refer to the manual listed on the webpage for the 4 Channel DMX-RGB-W LED Controller.





Using the XLR Output with wireless connection: for DMX enabled lighting fixtures such as Wall Washers up to 2100 feet away

Begin by connecting the DMX Boss to the Wireless DMX Transmitter/Receiver by using the XLR port on the top of the DMX Boss. At the DMX enabled lighting fixture, use the XLR ports to connect another Wireless DMX Transmitter/Receiver, and then connect the lighting fixtures similar to example 1 on page 4. Refer to the user manual for the Wireless DMX Transmitter/Receiver for correct installation and use. A total of 32 channels are available, for a total of 8 separate lighting zones (4 color channels in each zone, for colors such as red, green, blue and white). The XLR connections on the lighting fixtures can be connected in a row. On each lighting zone, set the channel for that zone (refer to the user manual for the products used for the correct channel numbers). The DMX Boss comes ready to use without pairing or programming as each of the 8 zone buttons are pre-programmed to recognize each zone (button 1 uses the first 4 channels, 1-4, button 2 uses the next set , 5-8, and so on).





Operating the DMX BOSS Wi-Fi Controller:

This section covers what the controls are and their functions.

Interface Main Functions:

- 1. Color Wheel
- 2. On/Off Button
- 3. Red, Green, Blue, and White Control
- 4. Play/Pause Button
- 5. Save Color Button
- 6. Return to Previous Program
- 7. Program Speed Up and Down
- 8. Brightness Control Up and Down
- 9. Zone Selection



- Color Wheel: By sliding your finger around the color wheel color selection can be made. It is also used in the auto program function discussed later on where you can define color transitions into memory.
- **ON/OFF Button:** Used to turn off or on all zones.
- Color Selection: The three main buttons are Red, Green, and Blue, but many other colors can be selected individually or as a group to fast access colors and/or fine-tune colors. The W button is used for 2 purposes, 1- To turn ON/OFF the White Channel (If you are also using single color LED Lights together with the color Changing Lights, and 2- To dim up and down the White color. In order to dim up/down the white color, you will need to place your finger on top of the W letter and keep it there until the white channel dims up/down until the desired level is achieved.
- Play Pause button: Use this button to play or pause any program.
- Save Color or Program: This button is used when programing and memorizing individual colors or transitions for each zone, or for all zones.



- Return to Previous Program: This button is used to select the previous played program.
- Program Speed up and down: With this button you can increase and decrease the speed at which the lights change color in the fading and chasing color programs.
- Brightness Control: If used it will dim up or down all channels, including the 4th White Channel. If you want to dim separately the white color, please see previous step 3.
- **Zone Selection:** With these buttons you can easily select which zone you want to work with independently or in group. For example if you want to change the color of Zone 1, select the number one in the zone section area (9) and then use the color wheel (1) to select your color of choice.

Operating the Wi-Fi Program using Smartphone or Tablet:

- Power on the DMX Boss Wi-Fi Controller: Make sure your unit is properly wired, installed, and powered on.
- Set the DMX Address: Set the DMX starting address on the DMX LED fixture you wish to control to apppropriate address using the table below.

Zone	Default Name on App	DMX Starting Address	Full DMX Addresses in Each Zone
1	Bedroom	001	001, 002, 003, 004
2	Living Room	005	005, 006, 007, 008
3	Kitchen	009	009, 010, 011, 012
4	Bathroom	013	013, 014, 015, 016
5	Washroom	017	017, 018, 019, 020
6	Garden	021	021, 022, 023, 024
7	Corridor	025	025, 026, 027, 028
8	Stairway	029	029, 030, 031, 032

(3) **Download the App:** Download and install the free EasyLighting app from the Apple or Android app store.



EasyLighting



Connect to the DMX Boss Wi-Fi Signal: Open your Wi-Fi settings and connect to the EasyLighting Wi-Fi signal. **Please note:** After connecting to the EasyLighting signal, your device may warn that you are connected without internet. This is normal as the DMX Boss is not connected to an external network. You must connect to its dedicated signal to control your lights and switch back to your Wi-Fi of choice when you're finished controlling your lights.



Please note: the numeric identifier will differ for each EasyLighting signal.

Select Zone to Control: Open the EasyLighting app and tap the Room icon on the bottom left of the screen. Select the Zone that your DMX LED fixture is addressed to (for example: 001-004 is the first zone = Bedroom on the app, 005 - 008 is zone 2 = Living room, 009-012 is zone 3 = Kitchen on the app, and so on). A green checkmark will appear at the top right corner of the selected zone/room.

When done tap the Room icon again to return to the remote screen.



Choosing a Color Wheel: The EasyLighting app offers four color wheel control panels: RGB/RGBW, Single Color, and two Dynamic White options.



RGB/RGB-W **Single-Color Dynamic White**

Cycle through color wheel control panels by pressing and sliding down the tab of the selected Zone/Room at the top of the screen.







Checking the Connection: Rotate the appropriate color wheel for your project and the LED fixture should accordingly respond to the control activity on the app.

Note: If the LED fixture does not respond to the control activities, check to make sure that the DMX starting address on the fixture matches the zone that you are currently controlling. If it does not, tap the Room button to go back and select the correct zone. Please refer to **DMX address table** on **pg. 8** for a breakdown of the DMX addresses in each zone.





Product Operation: App Features

App Features

This section will show you a brief explanation of the featured icons, please refer to the pages corresponding to the icons for more information.





Product Operation: App Features

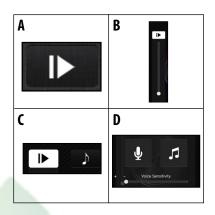
Featured App Icons

Color Changing Program Player & Music Colors Synchronizer

Tap the **Color Changing icon** once and it will open two pads: the color-changing program player and music tab. There are 10 built-in programs. One tap will play the first program (see pic **A**), another tap will stop it, and the next tap will play the second program and so on.

Under the program player is a slider for speeding up or slowing down the running program (see pic **B**).

While still within the Color Changing Program player, tap the **music icon** (located next to the Color Changing icon - see pic **C**) and a **mic** and **music player** (see pic **D**) icon will appear. Select the **mic** icon to synchronize and change the running color-changing program with voice; or select the music icon to choose and play music from your phone so that the running color-changing program will change colors along with the beats. Under the **mic** and **music** icons is a slider for increasing/decreasing the sensitivity of the color-changing to voice pitch or music beats.



Brightness Slide

Tap the **Brightness icon** (see pic **E**) once and a brightness slider will pop up. Slide up/down to adjust brightness of the RGB outputs from 1% to 100%. Tap the Brightness icon again to exit.



Color Wheel

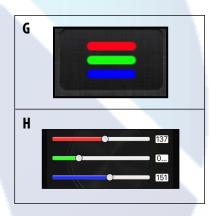
Rotate the **color-wheel** (see pic **F**) around to choose your desired color. There is a black dot on the wheel for pointing to a color.



RGB Color Mixing

The **RGB Color Mixing icon** (see pic **G**) is for two things: making a pure Red, Green, or Blue; or mixing R, G, B in specific amounts to produce other colors.

- 1. To produce any of the pure RGB colors, first clear any existing color on the fixture by sliding each of the 3 sliders (R, G, B) from 0 to 255 and back to 0 (i.e. left to right and then back to left on the slider (see pic H)). This will turn off any colors on the fixture. Then you can slide the first slider to get pure Red or the Second to get pure Green or third for pure blue. If you display pure Red for example and then want to do pure Green, you will have to first clear the Red by sliding it to 255 and back to 0 before sliding on the green, otherwise it will mix Red and Green and give you yellow.
- 2. To produce other colors by mixing RGB, first clear any existing color on the fixture by sliding each of the 3 sliders (R, G, B) from 0 to 255 and back to 0. This will turn off any colors on the fixture. Then you can slide the RGB sliders in your desired proportions to mix and produce colors.



White Brightness Control

Tap the "**W**" button (see pic **I**) once and a brightness slider will pop up. Slide up/down to adjust brightness of the white output/channel from 1% to 100%. Tap the "**W**" again to exit the slider.





Product Operation : App Features (continued)

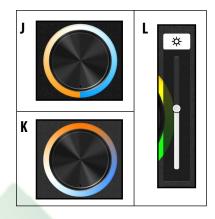
Available Tunable Fixture Controls

The available tunable fixture controls are accessible by sliding the tab on the top of the screen. Please refer to **pg. 9** - **step 6** to access this feature.

Dynamic-White / White-tunable Fixtures

There are two color-wheel control for white-tunable LED fixtures (see pic J & K) on the app. Both have similar functions:

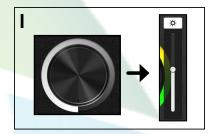
- 1. Correlated color temperature (CCT) selection wheel: Rotate the wheel to choose any color temperature between warm white (yellow) and cool (blue-ish) white. There is a black dot on the wheel for pointing to a color temperature.
- 2. Brightness control: Tap the Brightness icon (see pic L) once and the brightness control slider will pop up. Slide up/down to adjust the brightness of the LED fixture from 1% to 100%.



Single-Color Tunable Fixture

The single color tunable fixture control is accessible by sliding the tab on the top of the screen. Please refer to **pg. 9 - step 6** to access this feature.

- 1. Brightness control Wheel: Rotate the wheel clockwise to brighten the lights and the opposite way to dim the lights.
- 2. Brightness control: Tap the Brightness icon (see pic L) once and the brightness control slider will pop up. Slide up/down to adjust the brightness of the LED fixture from 1% to 100%.



App Configuration/Customization

Zone/Room Personalization

The name, picture, and type of LED fixtures of a zone/room can easily be personalized on the app. There are 8 zones available and each can be customized. To edit and personalize a zone:

1. Tap the Settings menu and select the "Edit rooms information" option.



- **2.** Tap the Settings menu and select the "Edit rooms information" option.
- **3.** To change the zone's name, tap on the existing name and delete it before entering a new name. When done tap on the icon "Save".



4. To change the photo, tap on the zone's background picture. This will open the option to either take a picture from your camera or select a photo from your phone gallery, When done tap on the icon "Save" to save settings.





5. To choose the type of fixture in the zone, tap on the small color wheels at the bottom of the zone's photo to select/unselect the desired fixture. When done tap on the icon "Save".





Product Operation : *App Features (continued)*

Zone/rooms/areas Assignment

The controller is designed to control 8 zones with 4 DMX addresses in each. Each zone is assigned the 4 DMX addresses by default even if the LED fixture(s) in that zone use less than 4 addresses.

Therefore, Zone 1 uses DMX addresses 1,2,3 and 4; Zone 2 uses the next 4 DMX addresses (5, 6, 7 and 8); and so forth (see table below). This allows you to control the LED fixture(s) in one zone completely independent from another zone.

An unlimited number of DMX LED fixtures can be placed and controlled in each zone as long as they are all connected and given the same DMX starting address of the zone.

DMX Address per Zone

Zone	Default Name on App	DMX Starting Address	Full DMX Addresses in Each Zone
1	Bedroom	001	001, 002, 003, 004
2	Living Room	005	005, 006, 007, 008
3	Kitchen	009	009, 010, 011, 012
4	Bathroom	013	013, 014, 015, 016
5	Washroom	017	017, 018, 019, 020
6	Garden	021	021, 022, 023, 024
7	Corridor	025	025, 026, 027, 028
8	Stairway	029	029, 030, 031, 032

The addresses in the table above are built-in and fixed for each zone and cannot be changed. Therefore, the DMX addresses on the LED fixtures used, should be set on the fixture to match the desired zone that you want to place the LED fixture in.

Once the correct DMX address is set on the LED fixture, the app will automatically be able to control the fixture. Just select the zone that the fixture is addressed to, and you will be able to fully control it.



Product Operation : *App Features (continued)*

Scene Saving

There are 8 scene saving options for each zone/area. These can easily be accessed from the Save tab on the bottom menu bar. The scene saving options let you save a desired color scene (color + brightness level) or color-changing program, and easily recall it in that zone at any time with just a simple tap. To save a color scene or program in a zone:

1. Tap the home icon and select the zone that you desire to save the scene in.





2. Tap the home icon again and select the type of tunable fixture in that zone to access the controls. (to access the tunable fixture controls, slide the tab on the top of the screen. Please refer to pg. 9 - step 6).





Set the desired color scene to save (color at your desired brightness level) or choose your desired color-changing program from the 10 built-in programs for RGB/RGBW fixtures.





4. Tap the **Save** tab on the bottom menu bar. A block with 8 saving options (S1 to S8) will pop up.





5. Press and hold the desired tab (S1 to S8) under which you want to save the scene, until the lights flash .



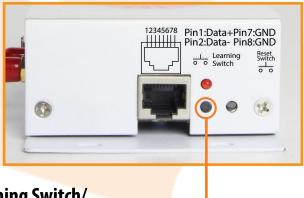
6. To recall the saved scene at any time, enter the zone (steps 1 and 2 above) and simply tap the saving option under which the scene was saved.





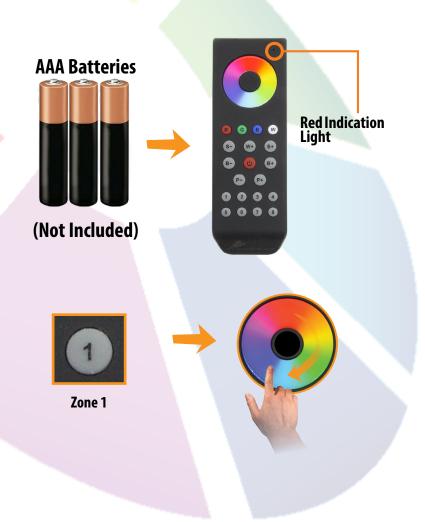
Optional Remote Setup Instructions:

When you have configured your system so that it works perfectly with your Tablet or Smartphone Application, you may now configure your optional Remote for LEDWizard Smartphone & Tablet System, which can be purchased at www.solidapollo.com.



Learning Switch/ Reset Button

- When your smartphone or tablet and the DMX Boss is set up, add power to the remote with three
 (3) AAA batteries (not included) and press the power button located on the front. The remote should indicate it is powered with a solid red indication light on the front of the Remote.
- 2. Plug in and turn on the lights.
- On the left side of the DMX Boss, tap the learning switch, then tap the "Zone 1" button on your remote. Immediately swirl your finger around the color wheel.
- 4. You should see your LED lights flash once, meaning you have synchronized "Zone 1" on your Remote to that zone.
- 5. You can now select "Zone 1" on your remote at any time to control the lights hooked up to that specific receiver.
- 6. You can Create up to Six zones by repeating steps 1-6 on this page.





Remote Operation:

Once you have successfully synchronized your optional remote with a receiver, and created your first zone, you can add additional zones in a similar fashion, following steps 1-6 on the previous page. This page will show you how to use your Remote, and it's different buttons. All of buttons on your remote have similar functionality to the buttons featured in the Tablet/Smartphone application, with the exception of two less zones.

Your Remote will turn on when you press any button, and remain on for 15 seconds before going into standby mode. Make sure your remote is on before operating your LED lights.

You can control a single zone by pressing that zone number, then adjusting its color, or select multiple zones by pressing the zone numbers in succession, then adjust the colors in all those zones.

Interface Main Functions: 1. Color Wheel 2. Red, Green, Blue, and White Control 3. Program Speed Down 4. Program Speed Up 5. RGB White+ Colors 6. Brightness Control Down 7. Brightness Control Up 8. On/Off Button 9. Program Selection Last and Next 10. Zone Selection



Remote Button Functionality:

Color Wheel: Allows easy selection of a full spectrum of colors with a touch of a finger. You can tap down on a specific color, or swirl your finger around to slowly fade between different colors.



RGB Brightness Control: Precisely control the brightness of your RGB Lighting Fixture(s) with the two dedicated RGB Brigthness Control Buttons shown below. Pressing and holding down "Brightness Up" will Increase the Brightness of your RGB Lights, while pressing and holding down "Brightness Down" will dim your RGB lights.



Program Speed Control: Control the speed of the color changing programs with the "Slow Down Program" and "Speed up Program" buttons, which adjust the speed of the currently playing program in any of six zones. Press and Hold down to slow down or speed up each program, or tap to adjust in precise increments.



Program



Speed Up Program



Color Fine Tuning: You can fine-tune any color by adding or subtracting red, green or blue light to your RGB lighting fixtures by utilizing the "Color Fine Tuning" Buttons in the middle of your optional remote. Simply press down and hold to increase the value of any color channel, and press down again to subtract the value of that same channel.



Color Fine Tuning

Zone Control: You can control up to six zones indepedently with your optional Wifi Remote. By first making sure your remote is powered on, tap one of the six buttons to select that specific zone (see assigning zones on page 10) for full Color Control of that zone.

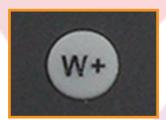


Zone 1 Button



Zone Control

Add White Color Button: The add white color button contains three simulated white colors using color RGBs. The three white colors are Warm White, Daylight White and Pure White. To see each white color, press the W+ button.



Add White Color Button

Program Selection Last and Next: The optional remote contains nine preprogrammed color changing programs. To activate the color changing programs, select the zone(s) the programs will play in, then select P+, this will play the first program. To continue to the next program press P+ again, to return to the previous, press P-. The programs are not connected in a loop and can only be accessed by going within program 1 to 9.



Program Selection Last and Next Buttons



Detailed Remote Functionality:

You can fine-tune the colors by dimming up and down individual colors. Once you select the zone or zones to be changed, use the color selection buttons as follows:

- 1. You will first make sure that you have used the color wheel to select a color, for example red.
- 2. By pressing shortly the RED button on the interface you will turn ON/Off that particular color.
- 3. If you press the RED button and then the BLUE Button you will get a Purple color (RED+BLUE). If you want to control only the blue, you will need to press the RED button to turn it off. The same applies for the rest of the buttons.



Color Fine Tuning



Creating a custom color:

Imagine we want to do a very intense purple color. First you will press the zone selection to select the zone you want to change, and then you will press the RED button and after that you will press the Blue. This will give us a normal purple. If we want to make it more intense, we need to remove or dim down the Blue color. We can do this by pressing and keeping pressed the BLUE Button. This will start dimming down the blue, while maintaining the RED at 100% Level.

In a nutshell:

Short press of color buttons= ON/OFF that color. Long Press of color button=Dim up or down that color.

Running pre-set programs.

Solid Apollo's Smart Phone and Tablet LED Lighting controller includes 10 preset programs with their own color transitions and effects. Brightness Levels and program speed can be adjusted to each zone.

- 1. First select which zone you would like to control by selection number 1-6.
- 2. Press the Play/Pause button.
- 3. Each time you press the Play/Pause button you will go to the next program. Example: Program 1—Pause- Program 2—Pause- Program 3... etc.





Zone Control



Controlling Speed of Programs.

When the program is running (not paused) you can increase or decrease the speed by pressing the speed up buttons:

Controlling Brightness of Programs

While any program is running you can select between 8 different brightness levels. Move through each of the brightness buttons (brighter, darker) to achieve the desired level of light.



Brightness Up

Brightness Down

Creating your own color programs:

Each zone or receiver can memorize 6 different programs using your optional remote. You can memorize solid colors or colorchanging programs (up to 6 on each zone) The 6 Programs that you can save for each zone can be a mix of solid colors or color changing programs.

To save specific colors

- 1. Select the zone you want to save the color into by using the zone selection buttons (1-6)
- 2. Using the color wheel or the color buttons (See creating custom colors) define the color you wish to use.
- 3. Once that is done, press the Save button for 2-3 seconds. After that we can memorize up to 6 different color or color effects into each zone, and each zone can memorize up to 6 different solid colors or changing color effects or a mix of them.
- 4. Therefore we must now assign the color chosen to any of the 6 memory slots available for each zone. We will use the same buttons we use to select a zone, but this time they will be used to select a memory slot inside each zone. Assign the color to any of the 6 buttons by pressing any number from 1 to 6. You can save more solid colors or programs by repeating steps 1-4 in this section.

To save specific programs

- 1. Select the zone you want to save the color into by using the zone selection buttons (1-6)
- Select a color changing program by using the PLAY/Pause button: Please refer to the section called Running pre-set programs to understand this function.
- 3. Once that is done, press the Save button for 2-3 seconds
- 4. After that we can memorize up to 6 different colors or color effects into each zone, and each zone can memorize up to 6 different solid colors or changing color effects or a mix of them. Therefore we must now assign the color chosen to any of the 6 memory slots available for each zone. We will use the same buttons we use to select a zone, but this time they will be used to select a memory slot inside each zone. Assign the color to any of the 6 buttons by pressing any number from 1 to 6. The program will be saved to that memory slot.
- 5. You can save more solid colors or programs by repeating steps 1-4 in this section



Technical Information

Controller

- 12V DC Operation (Transformer not included)
- 32 DMX Channels (4 per zone) Total 8 Zones.
- Wi-Fi 2.4 GHz Transmission

Remote

- 3 AAA Batteries (Batteries not included)
- 6 Zone Control