PRODUCT MANUAL
Glass Touch RGB Controller 12V-24V

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Product Description

Solid Apollo's Glass Touch In-Wall RGB controllers are an easy and sophisticated way to control lights in one room or space. The Glass Touch In-Wall RGB controllers run on 12-24V power and supply 12-24V Color Changing RGB LED lights and can be mounted in walls with any American electrical gang/screw boxes. You can easily turn on your lights, quickly choose a color, cycle through 20 present colors and 19 color changing programs, as well as controlling program speed and full dimming functionality. The Glass Touch In-Wall RGB controllers also have sound indication, meaning when you press a key, an slight beep is emitted to confirm the change.

Main Functions

- **Mountable in an American Wall Electrical Gang Box**
- **Mountable in Walls or surfaces to control LED RGB Color Changing**
- **Turn on and Off your 12-24V LED Light Fixtures at the touch off a button**
- **Quick Dimming Control with Glide Dimmer**
- **Program Speed Control using Glide Dimmer when program running**
- **Precise Color Selection with Color Wheel**
- **19 Color Changing Modes**
- **20 Different Static Color Options**
- **Sound/Touch Recognition to confirm button selection.**

This Manual will review

- **The entire Installation Process**
- **Product Features and Primary Uses**
- **Detailed Functionality**
- **Technical Parameters**

SA-CTRL-InWallRGB-Black

SA-CTRL-InWallRGB-White

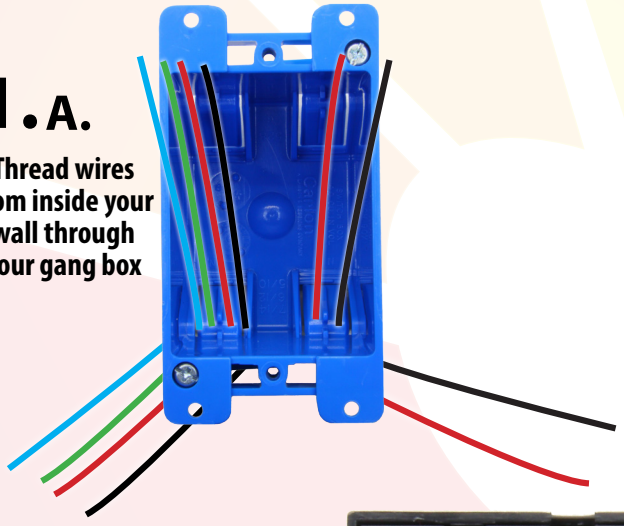
Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Installation: Wiring

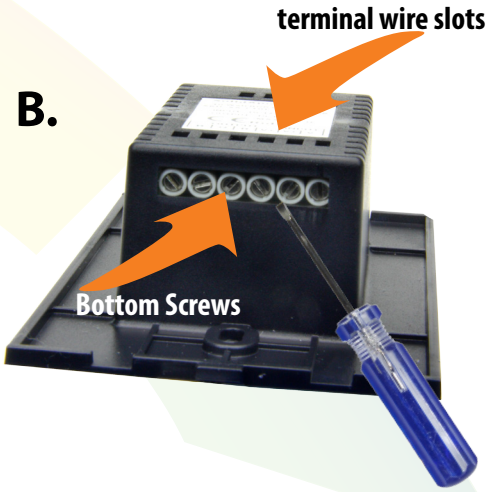
Solid Apollo's Glass Touch In-Wall RGB Controllers are meant to be housed inside a wall. They conveniently fit inside of any American Electrical gang box. To securely install, you will have to first carefully wire your controller through your gang box (not included) in order to test your lights with both your power and RGB LEDs, and then be able to put it nicely into your gang box.

1. A.

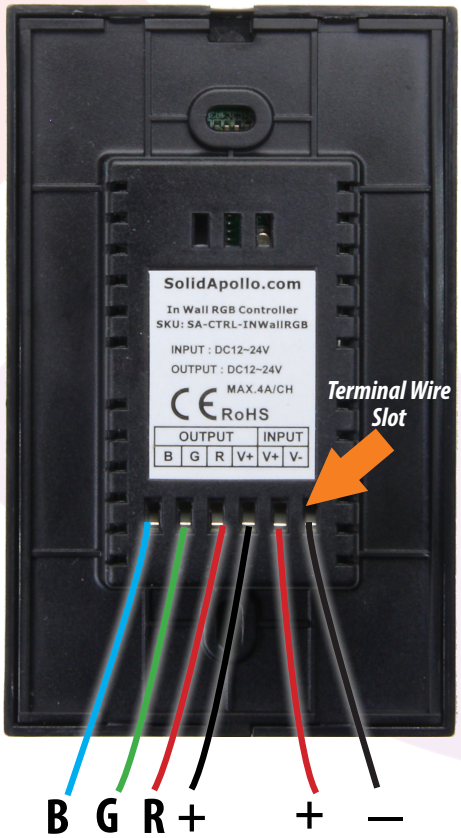
Thread wires from inside your wall through your gang box



B.



C.



- **Wire the Backplate of your controller with each wire in the designated Terminal Wire Slot**
- **Tighten the screws on the bottom of unit to secure each wire**

PRODUCT MANUAL
Glass Touch RGB Controller 12V-24V

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

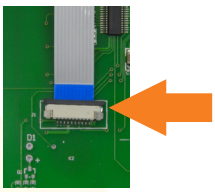
Installation: Separating the Backplate and Faceplate

Now that you have wired your controller, and tested it to ensure it is working with your current wiring, you can begin to take off the faceplate. This is so you are able to mount the backplate (which has the two screwholes) to any American Gang Box (not included).

Terms to Know:


Faceplate


Backplate


Slide&Lock Connection

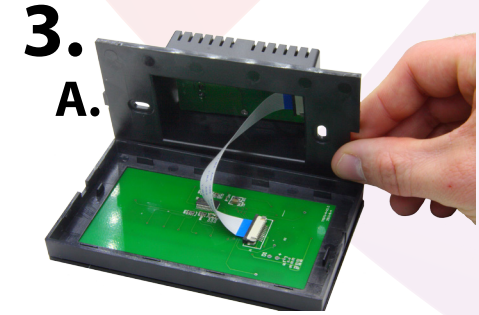

White Connection Ribbon

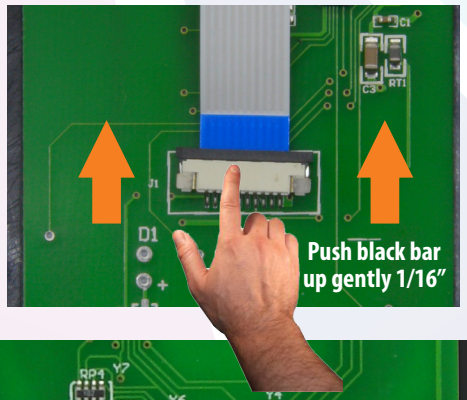
2. Carefully follow Diagram 2 below to separate the faceplate and backplate of your GlassTouch RGB LED Controller.

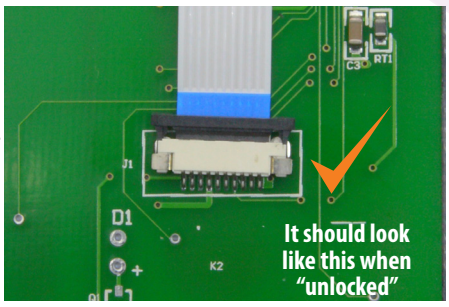
To begin, use a flathead screw driver as demonstrated in Diagram 2 below to slowly detach the back of your unit from the front. Do not separate these two pieces by more than an inch in any direction, as they are connected by a White Connection ribbon which needs to be gently removed in later steps .

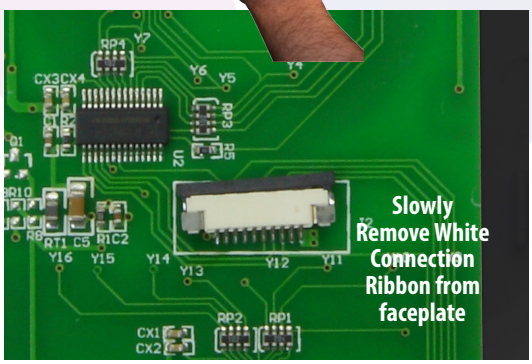
3. Carefully follow Diagram 3 below to remove the White Connection Ribbon from the front plate only.

Now that your faceplate and backplate are separated, you can begin to remove the White Connection Ribbon from the faceplate portion of your controller. This will allow you to eventually screw the backplate into the gang box/screw box you plan on using. To gently detach the White Connection ribbon from the faceplate portion of your unit, you will see in that the back of the **faceplate** has a Slide&lock Connection that holds down the White Connection ribbon. This Slide&Lock clip has a black bar that holds the Slide&Lock Connection. Gently pull the clip black bar approximately 1/16 of an inch to unlock the White Connection ribbon, and then slowly remove the ribbon. You should encounter no resistance when you gently pull out the White Connection ribbon from the faceplate unit.









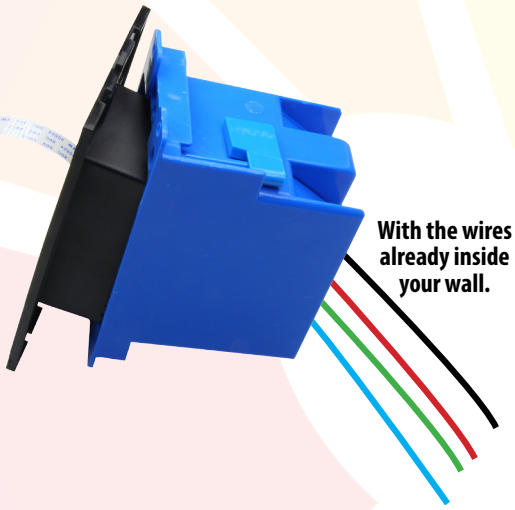
Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Installation: Putting your controller in the Gang Box

After removing the faceplate, you can now mount your controller with two screws inside an American Gang/Switch Box (screws not included) and place that entire unit in the wall.

4. Follow Diagram 3 below to begin inserting your gang box, and then controller backplate, into the wall.
First secure your gang box in the wall. This will allows you to carefully place the backplate of your controller into the gang box housing, and attach the backplate with two screws. Make sure the orientation of the gang box, and your backplate are correct for installing your faceplate right side up.

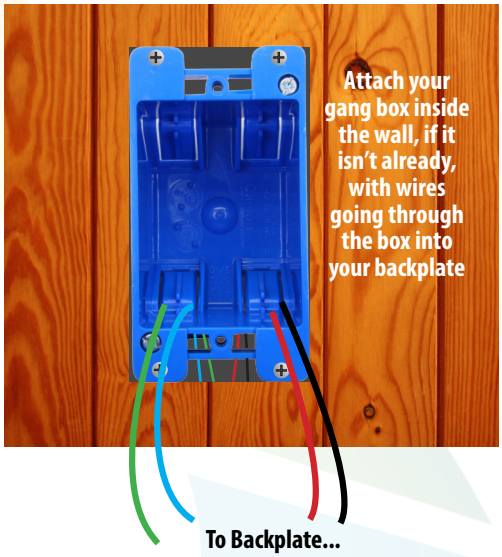
4. A.



Your Unit Should look Something like this at this point.

With the wires already inside your wall.

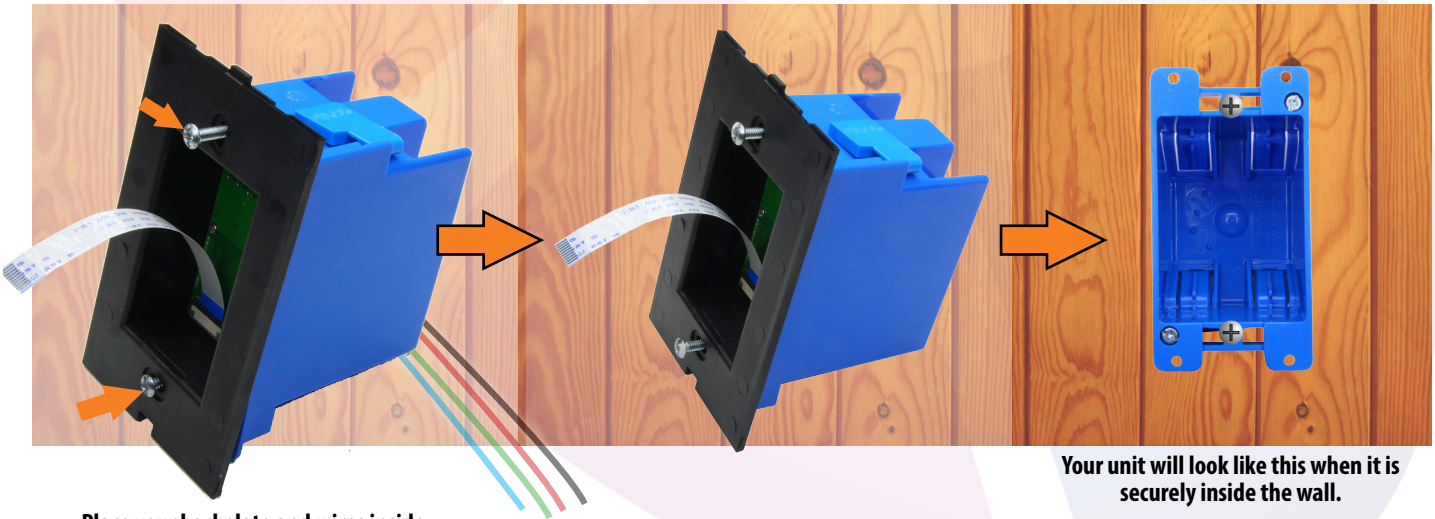
B.



Attach your gang box inside the wall, if it isn't already, with wires going through the box into your backplate

To Backplate...

C.



Place your backplate and wires inside your gang box, and begin screwing it into your secured gang box at the indicated screwholes.

Your unit will look like this when it is securely inside the wall.

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Installation: Putting your controller back together.

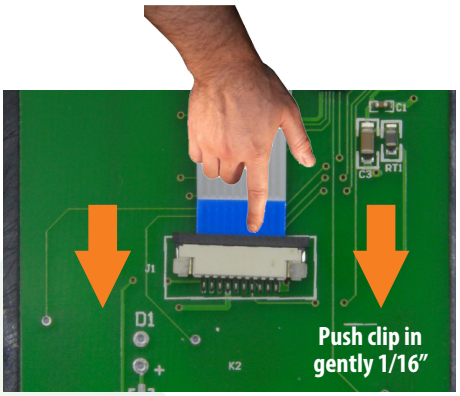
You can now put back on your controller's faceplate, completing the installation.

5. Follow Diagram2 below to begin wiring your controller. Your gang box should be secured in the wall at this time, with your controller backplate screwed into, and your wiring connections secured within the gang box. You will now put back the white connection strip (with the blue side of the tape facing up) into the faceplate slot, and the snap back on the faceplate to your backplate.

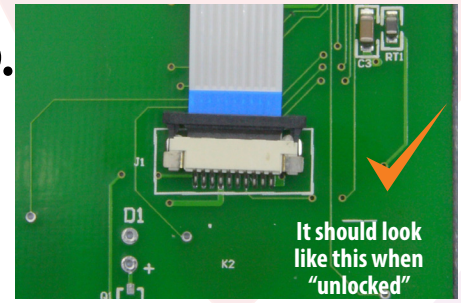
5. A.

B. Faceplate

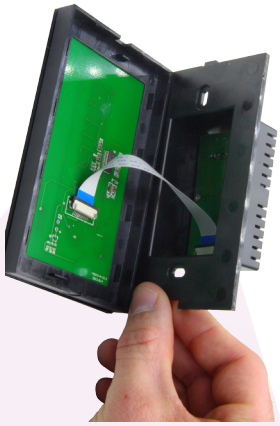
C.



D.



E.



F.

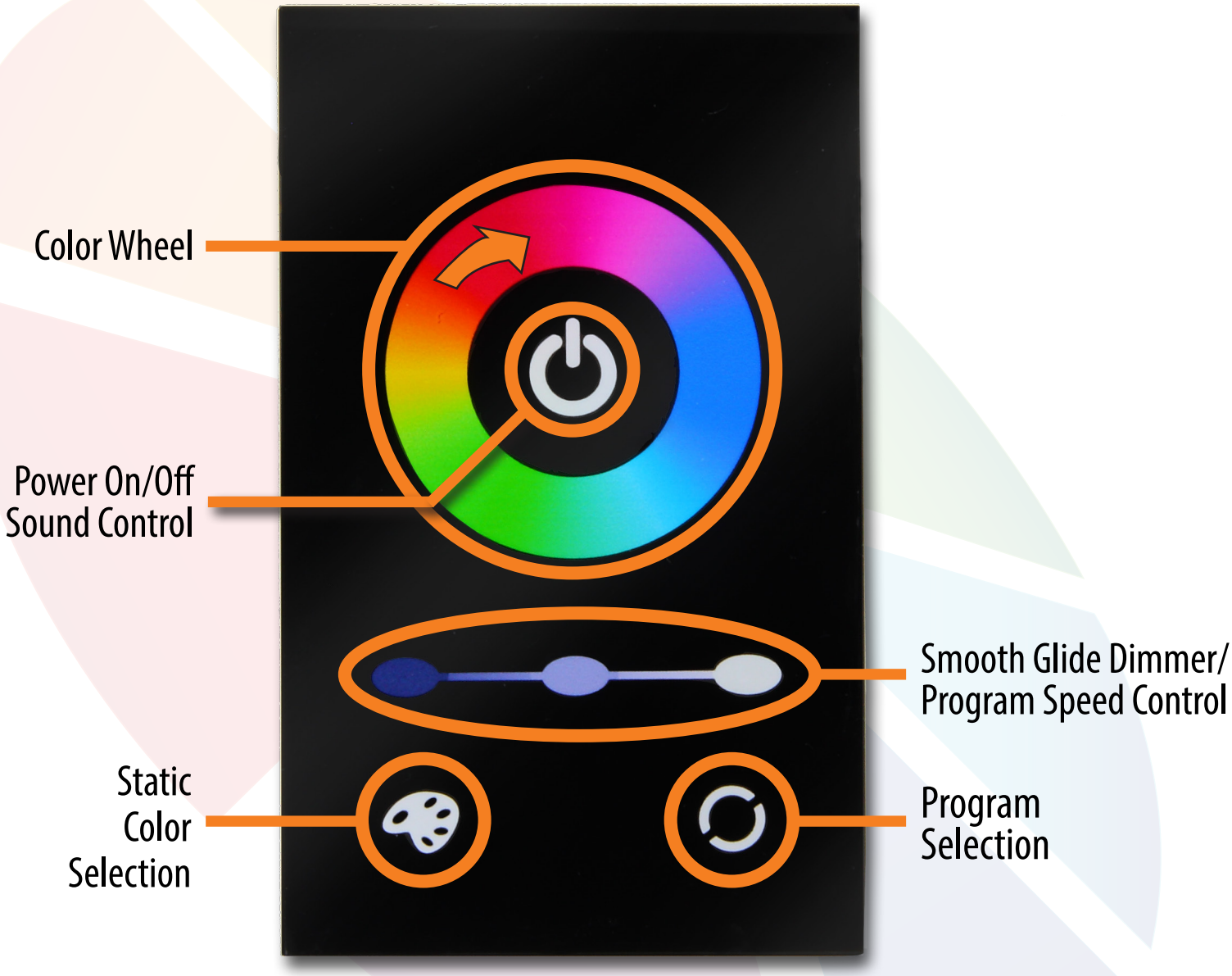
Overlay the faceplate onto the back plate (with the connection strip secured) and snap your unit together.

G.

Your unit will look like this, when it is securely inside the wall.

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Basic Functionality



SA-CTRL-InWallRGB-Black

Figure 1

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Advanced Functionality

Power Button and Sound Control: Your controller's main button which turns your 12V-24V DC RGB LED lights on and off as well as enabling and disabling the sound indications for your controller. To turn on and off your lights, simply tap the power button. This will toggle all of your RGB LED lights On and Off.

To disable sound (your controller has sound response as default "out of the box") you can simply hold the power button for five seconds. You will hear an indication beep, and can now use your lights without hearing the sound. To turn the sound indications back on, hold down the power button again for five seconds. You will hear an indication beep, confirming the change.

Color Wheel: Your Glass Touch In-Wall RGB Controller has a color wheel for easy and immediate color section. Simply press down on the wheel at any point with your finger to select a color, or swirl your finger around the wheel to slowly shift between colors. Color selection and brightness will be recalled when the power is turned off, then back on.

Quick Program Selection: This button allows you to toggle through the 19 pre-installed programs. You can tap the "Quick Program Selection" Button to cycle through all 19 programs, one after the other. A full list of programs is available on the next page. Program Speed (covered in the following section) and Specific Program are saved when powering off, meaning you can turn off your lights, and then back on to exactly what they had been displaying.

Quick Static Color Selection: This button allows you to quickly cycle through 20 preset colors (described in detail on the next page) for easy color selection. This allows you to easily select an exact tone (such as Cyan, White, or Yellow) without finding its exact position on the color wheel. Simple tap to cycle through the 20 pre-loaded colors.

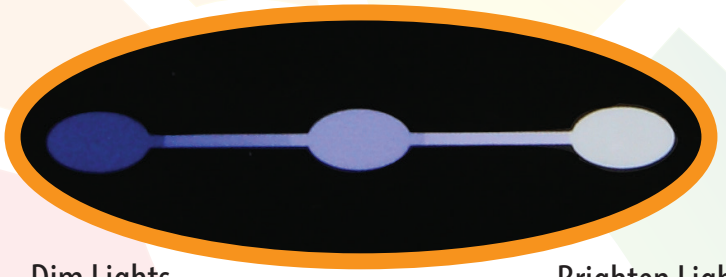
Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Advanced Functionality

Glide Dimmer and Speed Button: To dim your RGB LED lights, or to control a program speed, you will use the Glide Dimmer and Speed Adjustment button pictured below. When displaying a single, static color, this button can dim your lights, or brighten them. Simply tap on a specific point, or slide your finger to brighten or dim your lights.

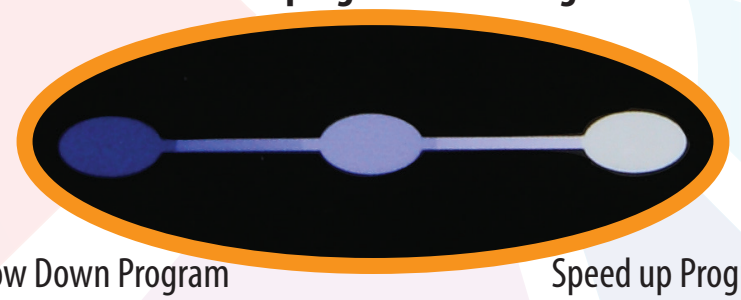
When a program is running, you can control its speed by suing the same Glide dimmer as when controlling brightness. To speed up any of the 19 pre-installed programs, simply press the "Brighten Lights" section of your slide dimmer (aka Speed up Program) and to slow down your running pre-installed program, you can simply press the "Dim Lights" section. The currently running program and its specific speed will be remembered if you turn off your controller, then turn it back on.

Static Color Control



Dim Lights Brighten Lights

While a program is Running



Slow Down Program Speed up Program

Static Color List

1. Red
2. Orange
3. Deep-Yellow
4. Yellow
5. Light Yellow
6. Green
7. Light Green
8. Cyan
9. Light Blue
10. Sky Blue
11. Blue
12. Deep Blue
13. Blue-Purple
14. Purple
15. Brown
16. White
17. Ivory
18. Pink White
19. Yellow White
20. Blue White

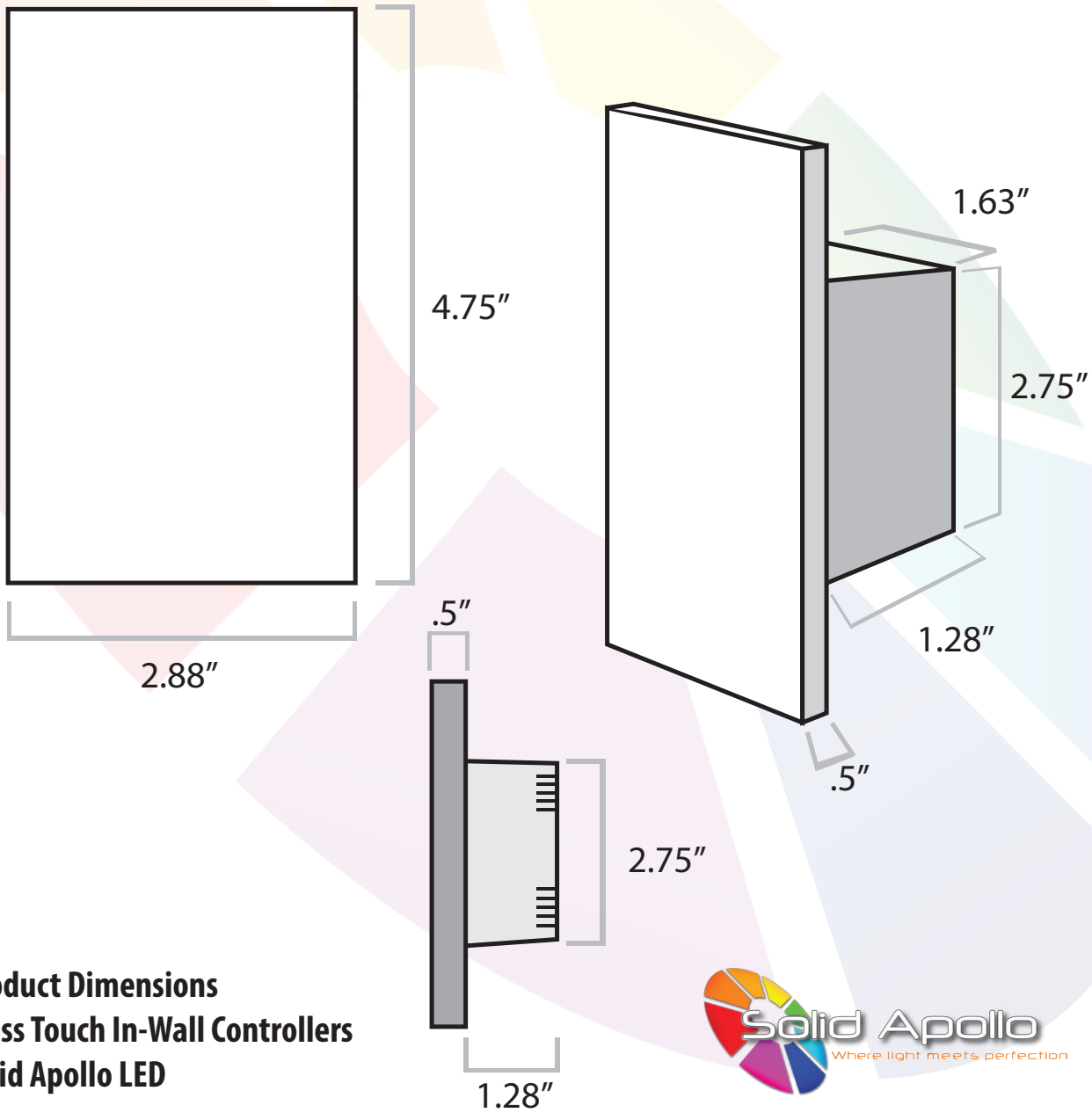
Pre-Installed Program List

1. Red Burst Flashing
2. Green Burst Flashing
3. Blue Burst Flashing
4. Blue Burst Flashing
5. Yellow Burst Flashing
6. White Burst Flashing
7. Three Color Burst Flashing
8. Three Color Flashing Three
9. Color Jumping
10. Six Color Jumping
11. Red Gradual Fade
12. Yellow Gradual Fade
13. Green Gradual Fade
14. Cyan-Blue Gradual fade
15. Blue Gradual Fade
16. Purple Gradual Fade
17. White Gradual fade
18. Three Color gradual Fade
19. Seven Color Gradual Fade
20. Seven Color Gradual Changing

Solid Apollo
Where light meets perfection
Toll Free. 866-592-3873
www.SolidApollo.com
sales@SolidApollo.com

Technical Details

- 12V-24V DC In
- 12V-24V DC Out
- 4 amps max per channel
- 192W max @ 24V
- 96W max @ 12V
- Dimensions: 4.75" x 2.78" x 1.75"



Product Dimensions
Glass Touch In-Wall Controllers
Solid Apollo LED

Solid Apollo
Where light meets perfection