



# **COLOR STRAND LED**

user manual

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## **D O C U M E N T   V E R S I O N**



Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit <http://www.adj.com> for the latest revision/update of this guide, before installation and/or programming.

Date	Document Version	Notes
09/13/17	1.2	Updated release.
09/22/17	1.3	Updated dimensional length, dimensional drawing, and weight.
02/06/19	1.4	Updated manual format.
12/03/19	1.5	Updated remote operation instructions.
12/06/19	1.6	Added section for Fuse Replacement.

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# GENERAL INFORMATION

## INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this product. These instructions contain important safety and use information.

## IP44 RATED

An IP rated lighting fixture is one, which is commonly installed in outdoor environments and has been designed with an enclosure that effectively protects the ingress (entry) of external foreign objects such as dust and water. The **International Protection (IP)** rating system is commonly expressed as "**IP**" (Ingress Protection) followed by two numbers (i.e. IP44) where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An **IP44** rated lighting fixture is one that is protected against the ingress of solid objects greater than 1.0 mm **(4)** and splashing water from any direction **(4)** and is intended for temporary short-term non-continuous use locations.

## UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

## BOX CONTENTS

- (1) Color Strand LED with 20 LED Bulbs
- (1) Power Cord
- (1) Wireless Remote (x2 AAA Batteries not included)

## ADJ CUSTOMER SUPPORT

Contact ADJ Service for any product related service and support needs. Please visit [forums.adj.com](https://forums.adj.com) with questions, comments or suggestions.

**ADJ SERVICE USA - Monday - Friday 8:00am to 4:30pm PST**  
**800-322-6337 | Fax 323-582-2941 | [support@adj.com](mailto:support@adj.com)**

**REPLACEMENT PARTS** please visit [parts.adj.com](https://parts.adj.com)



## I M P O R T A N T   N O T I C E !

**THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.**

## LIMITED WARRANTY (USA ONLY)

A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty periods below). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought. B. For warranty service you must obtain a Return Authorization number (RA#) before sending back the product—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof. C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly maintained as set forth in the instruction manual. D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect. E. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### LIMITED WARRANTY PERIODS

**Non LED Lighting Products = 1-Year (365 Days)** (Including Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands, Power/Data Distribution, etc. excluding LED and lamps)

**Laser Products = 1-Year (365 Days)** (excluding laser diodes which have a 6-Month Limited Warranty)

**LED Products = 2-Years (730 Days)** (excluding batteries which have a 180 Day Limited Warranty)

**NOTE: 2-Year (730 Days) Limited Warranty ONLY applies to product purchased within the United States.**

**StarTec Series = 1-Year (365 Days)** (excluding batteries which have a 180 Day Limited Warranty)

**ADJ DMX Controllers = 2 Years (730 Days) | American Audio Products = 1 Year (365 Days)**

**Color Strand LED - 2 Years (730 Days)** (Strands and Bulbs damaged due to improper handling and/or use are not covered)

### WARRANTY REGISTRATION

Please complete and mail in the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

# SAFETY GUIDELINES

This device is designed for indoor and outdoor venues, on stage, in nightclubs, theatres, etc. For proper operation, follow the guidelines described in this manual. Only qualified and certified personnel should perform installation of this device. Any modifications to any part of this device will void the original manufacturer's warranty and increase the risk of damage and/or personal injury. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse and/or disregard of the information printed in this manual.



This device falls under **PROTECTION CLASS 1**. It's essential this device be grounded properly. Only qualified personnel should perform all electrical connections.

## FOR TEMPORARY OUTDOOR USE!



**DANGER: ELECTRICAL CORDS CAN BE HAZARDOUS!  
MISUSE CAN RESULT IN FIRE/DEATH BY ELECTRIC SHOCK!  
DURING USE – KEEP CHILDREN/PETS AWAY!**



**DO NOT COVER CORD WITH ANY MATERIAL!  
DO NOT DRAG OR PLACE OBJECT ON CORD!**



**DO NOT PLUG INTO A DIMMER PACK!  
MULTIPLE COLOR STRAND LED LINKING – MAX 5 @120V**

**DO NOT** position device close to any **FLAMMABLE MATERIALS** while operating.

**DO NOT** attempt to install or operate without knowledge of how to do so.

**DO NOT** permit operation by persons who are not qualified to operate this type of device.

**DO NOT** shake device, avoid brute force when installing and/or operating.

**DO NOT** operate this device if the main power cord becomes frayed, crimped and/or damaged. Replace any damaged power cords with cords of a similar power rating.

**DO NOT** remove or break-off the ground plug from the power cord.

**DO NOT** remove or disassemble device, there are NO user serviceable parts inside.

**ALWAYS** disconnect device from main power source before performing any cleaning.

**ALWAYS** be sure to install this device in an area that will allow proper ventilation.

Power cords plugged into the device should be safely routed and secured so they are not likely to get walked on, pinched, or crushed under heavy items.

Disconnect the main power during long periods of non-use.

Use the original packaging and materials to transport the device for service.

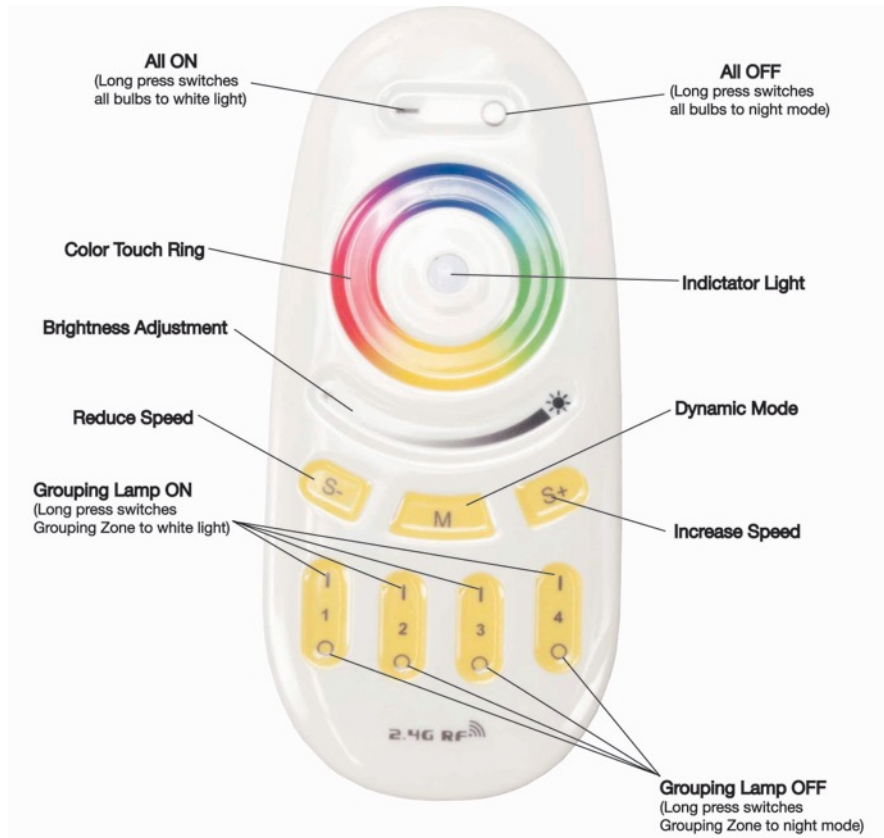
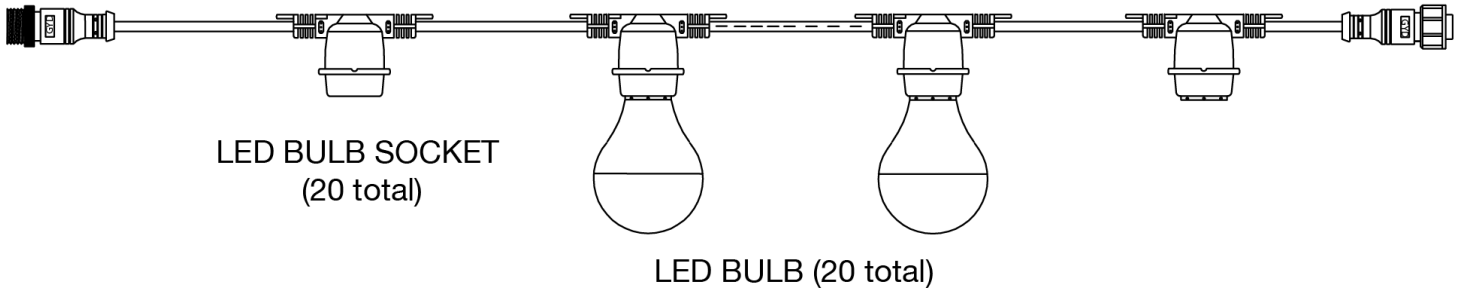
This device should be serviced by qualified service personnel when:

- A. The power cord or plug has become damaged.
- B. Objects have fallen on the strand and/or liquid has spilled into a bulb socket(s).
- C. The strand has been exposed to excessive rain and/or moisture.

# OVERVIEW

POWER IN

POWER OUT



MODE NO.	DYNAMIC MODES	BRIGHTNESS	SPEED
1	7 Colors Fade	Adjustable	Adjustable
2	White Fade		
3	RGBW 4 Colors Fade		
4	RGBW 4 Colors Jump		
5	8 Colors Jump (7 Color + White)		
6	Red Fade and Flash		
7	Green Fade and Flash		
8	Blue Fade and Flash		
9	Random Mode		

## INSTALLATION GUIDELINES



### FLAMMABLE MATERIAL WARNING

Keep device at least 5.0 feet (1.5m) away from any flammable materials, decorations, pyrotechnics, etc.



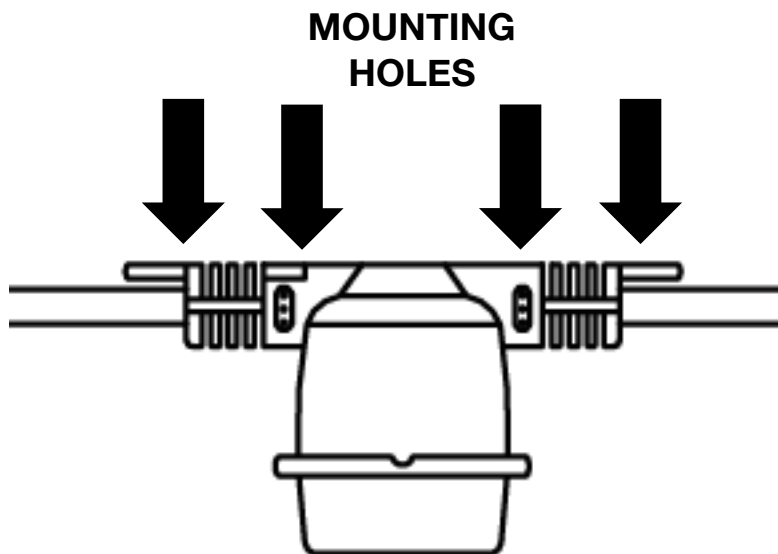
### ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.

Take care when removing the Color Strand from the box and laying it on the floor. The LED bulbs are fragile and the tops are easily dislodged if the bulbs strike a hard surface. It is strongly recommended to unwrap the **Color Strand** on a soft/carpeted surface.

For temporary installation scenarios, the **Color Strand LED** can be strung along any suitable area safely secured using standard zip ties (not included). Use caution and do NOT over tighten zip ties, as this could result in damage to the power cord.

For permanent installation scenarios, the **Color Strand LED** can be attached to a flat surface such as a ceiling using small screws (not included) and (4) mounting holes located on each LED bulb socket. (See image below) Use caution and do NOT over tighten screws and damage the power cord.



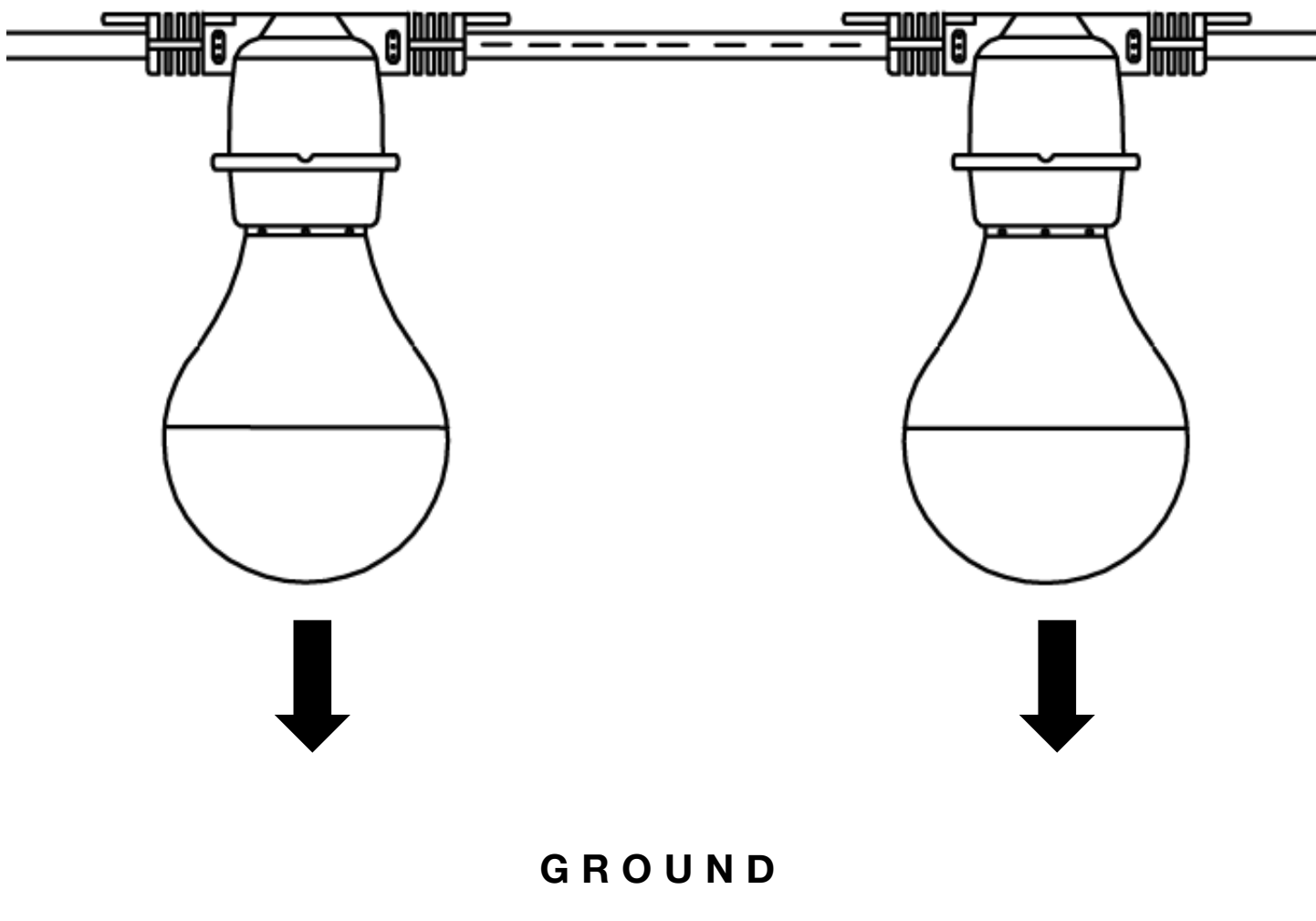


## INSTALLATION GUIDELINES [continued]



### \*\*\*IP44 RATING NOTICE\*\*\*

TO MAINTAIN THE IP44 RATING INTEGRITY, ALL LED BULBS MUST BE COMPLETELY SCREWED INTO THE SOCKET AND FACING DOWN AT ALL TIMES TO PREVENT WATER DAMAGE AND/OR ELECTRICAL SHOCK!



# WIRELESS OPERATION GUIDELINES

There are many factors that affect and/or interrupt a wireless signal such as walls, glass, metal, objects, and people. Therefore it is highly recommended to:

- Install the **Color Strand** a minimum of 9.8 ft. (3m) above people and/or ground level.
- Use Remote Control in direct line of sight of the **Color Strand**.
- If multiple **Color Strands** are power linked, hold the remote in the middle of the entire length of all connected Color Strands. Do NOT stand and hold the remote at the end of the strands.

Careful planning and testing of the selected installation location with the Remote Control is critical to ensure optimum and reliable wireless operation.



The maximum distance between the Remote Control and the Color Strand is **65-98 feet (20-30m)**.

# REMOTE OPERATION

The **Color Strand LED** has been pre-programmed to respond to the included remote control as Grouping/Zone 1. The remote requires (2) AAA batteries. (Not included) Hold the remote in your hand so the Color Wheel is positioned at the top and the (4) Grouping/Zone power On/OFF buttons are positioned at the bottom. Before installing, it is recommended to first test the **Color Strand LED** to confirm the remote control works correctly and there are no issues. After testing, install the **Color Strand LED** in the desired location following the Installation Guidelines in this manual.

## **[ - ] ON BUTTON**



Holding this down briefly will turn all the bulbs ON to Warm White mode.

Use the Adjustable Brightness to increase or decrease the brightness intensity.

## **[ o ] OFF BUTTON**



Holding this down briefly will turn all the bulbs ON to “Night Mode”.

No Adjustable Brightness is available in this mode.

## **COLOR WHEEL**



The display color of the bulbs can be selected using the Color Wheel. Once the color has been set, the Adjustable Brightness control can be used to increase or decrease the brightness intensity of the selected color.

## **ADJUSTABLE BRIGHTNESS**



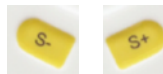
The brightness intensity of the bulbs can be adjusted using this control.

## **[ M ] DYNAMIC MODE BUTTON**



Pressing this button will cycle through the (9) **Dynamic Modes** programs (see table in Overview section).

## **[ S ] [ S+ ] BUTTONS**



These buttons can be used to control the program speed of the selected Dynamic Mode program. Each press of either of these buttons will decrease or increase the program speed.

## **[ GROUPING-ZONES 1-4 ] BUTTONS**



These ON/OFF buttons allow you to control (4) independent Groups/Zones.

# REMOTE OPERATION [continued]

## ASSIGNING GROUPING ZONES

You can assign up to (4) individual Groups/Zones to the included remote control.

Groups/Zones can consist of a single Color Strand, multiple Color Strands linked together, or any number of specific LED bulbs within any linked Color Strands.

## INDIVIDUAL GROUPING ZONES

1. Disconnect the Color Strand from power.
2. Unscrew any individual bulbs that will not be included in the Grouping Zone.
3. Reconnect the Color Strand to power. Within 3 seconds, press and hold the [ | ] portion of the desired Grouping Zone Button.
4. The Color Strand will pulse 3 times to indicate that it has been successfully assigned to the grouping zone, or it will pulse 8 times to indicate that it has been successfully removed from the grouping zone.
5. Unplug the Color Strand from power and reinstall any bulbs that were removed in step 2. Please note that these bulbs will be excluded from changes made to the Grouping Zone, and will adhere to the last setting used before they were disconnected in step 2.

## DELETE ALL GROUPING ZONES

1. Disconnect all Color Strands that are being controlled by the remote from power.
2. Reconnect the Color Strands to power. Within 3 seconds, press and hold the [ - ] **ON BUTTON** at the top of the remote. The Color Strands will pulse 8 times to indicate that control of Color Strands from all grouping zones on the remote has been removed.

**NOTE: DUE TO THE SHORT TIME FRAME PERMITTED TO PRESS THE [ - ] ON BUTTON AFTER POWER HAS BEEN RECONNECTED, IT IS ADVISABLE TO PLUG THE POWER STRANDS INTO A SINGLE SWITCHABLE POWER SOURCE FOR EASE OF CONNECTING AND DISCONNECTING POWER WHILE SETTING THE GROUPING ZONES.**

## POWER LINKING MULTIPLE COLOR STRANDS

You can power link up to (5) max individual Color Strands. Before linking together, make sure you assign your specific Groups/Zones to the Color Strand you want to link.

1. Follow the steps listed in the above section to assign Groups/Zones ONE Color Strand at a time.
2. Once you have all your Color Strands assigned to Groups/Zones, you can then power link them. You will then be able to control up to 4 different zones, if needed.

# TROUBLE SHOOTING TIPS

## **Some Bulbs Do NOT Illuminate**

1. Check if the bulbs are completely screwed into the base.
2. Confirm the corresponding Group/Zone of the bulb ON.

## **Color Strand Fails to Illuminate Entirely**

1. Check that the Color Strand is plugged into a power outlet.
2. Check whether the fuse is burnt out, and change the fuse if necessary (see page 15 for details).

## **Some Bulbs Respond With A Delay and/or Do NOT Function As Desired**

Move your thumb around the color wheel until all the controlled lamps sync to the same color.

## **Some Bulbs Do NOT Respond To The Remote Completely**

Try assigning a Group/Zone to those bulbs, following the steps in the **Assigning Groups/Zones**.

# MAINTENANCE



**C A U T I O N**

**Disconnect power before cleaning or maintenance.**

## CLEANING

Frequent cleaning is recommended to insure proper function and an extended life. The frequency of cleaning depends on the environment in which the device operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the device.

- Clean external surface every 20 days with a soft cloth to avoid dirt/debris accumulation.
- Never use alcohol, solvents, or ammonia based cleaners.

## MAINTENANCE

Regular inspections are strongly recommended to insure proper function and extended life.

There are no user serviceable parts inside this device, please refer all other service issues to ADJ Customer Service.

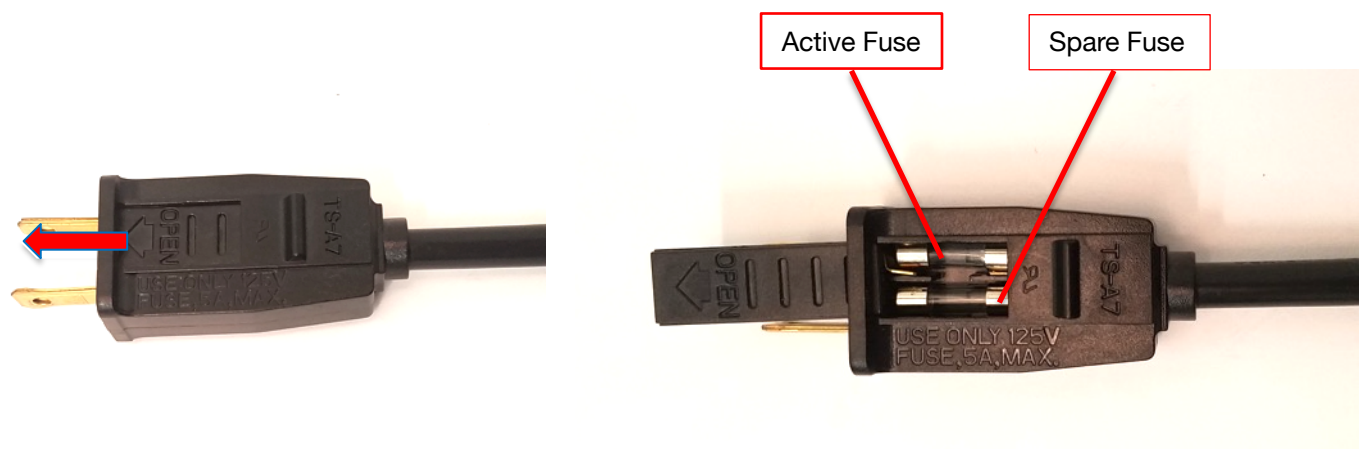
Please refer to the following points during routine inspections:

- A detailed electronics check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
- Be sure all bulbs and screws/fasteners are securely tightened at all times. Loose screws may fall out during normal operation resulting in damage and/or injury.
- Check for any deformations on the bulbs and strand cable. Damaged bulbs and/or strand cable may cause the unit(s) to malfunction and possibly result in personal injury.
- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.

# FUSE REPLACEMENT

This device features a replaceable fuse that is integrated into the electrical plug. To access the fuse, find the panel on the plug marked with the word “**OPEN**” and slide the panel in the direction indicated by the arrow. The compartment behind the panel contains one operational fuse and one spare. The **operational fuse** is the one that is located **further** from the text that reads “USE ONLY 125V FUSE, 5A, MAX”, while the other fuse is a spare. Please see the image below for reference.

**REPLACE FUSE ONLY WITH AN IDENTICAL 125V 5A FUSE.**



# OPTIONAL ACCESSORIES

ORDER CODE	ITEM
COL713	Color Strand LED
BLB001	Color Strand Led RGBW E27 Replacement Bulb
RFR001	Color Strand RGBW RF Remote

# SPECIFICATIONS

## BULB

6W RGBW LED Bulb

50,000 Hour Average LED Life\*

\*May vary depending on several factors including but not limited to:

Environmental Conditions, Power/Voltage, Usage Patterns (On-Off and Program Cycling), Control, and Brightness.

## COLOR

RGBW Color Mixing

## CONTROL / CONNECTIONS

Wireless Remote Control

WiFi Frequency: 2.4 GHz

WiFi Range: Up To 65-98 Ft. (20-30m)\*

\*May vary depending on several factors including but not limited to:

Operation Environment, Walls, Metal, Glass, People, Direct Line of Sight, and Position of Remote

2pin IP44 Rated Power IN/OUT Ends

Power Cable

## SIZE / WEIGHT - COLOR STRAND LED

Length: 44.8" (13.6 meters)

Width: 1.7" (44mm)

Horizontal Height: 4.6" (117mm)

Weight: 7.0 lbs. (3.2 kg)

## ELECTRICAL / THERMAL

AC 86-265V - 50/60Hz

Single LED Bulb: 6W Max Power Consumption

Color Strand LED: 120W Max Power Consumption

Fuse: 5A 125V, 5mm x 20mm

Working Temperature: -40°F to 140°F (-40°C to 60°C)

## RATINGS

IP44

## FCC STATEMENT

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.

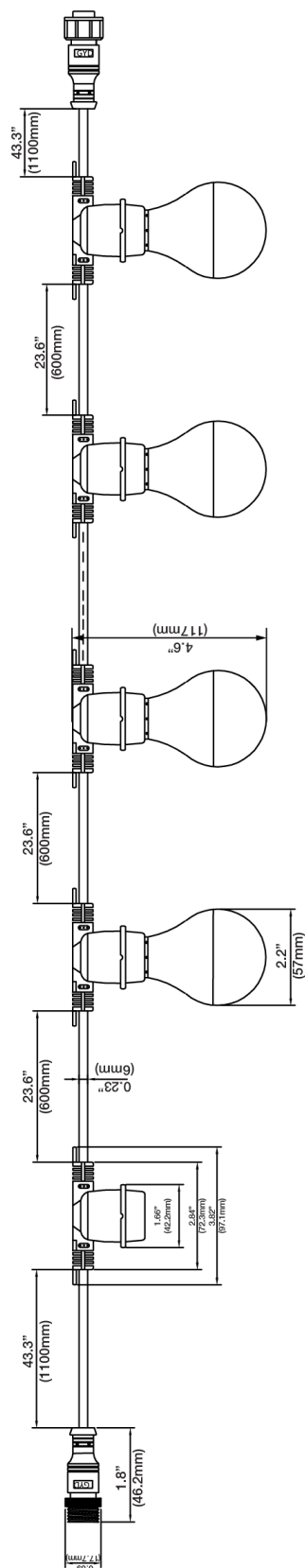
## FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

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

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



Specifications and improvements in the design of this product and this manual are subject to change without any prior written notice.



**Total Length: 32.8 ft (10m)**

**DRAWING NOT TO SCALE!**

