GMLighting®
"Lighting Enhanced by Design"

BEFORE YOU START:
- Please check local electrical codes before beginning
- Turn power off before installing
- Make sure to use properly rated wire

TOOLS NEEDED:
- Screwdriver to mount tape and/or channel if used.

1. DETERMINE YOUR LAYOUT AND PLACEMENT OF REMOTE POWER SUPPLY AND RECEIVER. MOUNT POWER SUPPLY AND CONTROLLER CONCEALING IT FROM EXPOSURE TO INCLEMENT WEATHER AND MOISTURE.

2. CONNECTING TAPE TO POWER (DRY AND WET LOCATION):
Locate input slots at end of power supply and insert ends of each wire into appropriate slot. Use a screwdriver to tighten down connection. Refer to illustration on instruction sheet or placement diagram on power supply for proper order.**(Fig. 1). Consult wiring diagram on back of sheet for connecting multiple lengths of tape.**

3. MOUNTING DRY LOCATION TAPE (Fig. 2):
Tape can be mounted several ways:
1. Adhesive: Pull back adhesive tape cover on back of tape and simply press into position.
2. Optional mounting clips: Position optional mounting clip over tape and secure using screws (provided with clips).
3. Mounting channel: To utilize optional GM Lighting aluminum mounting channel, simply peel back adhesive tape cover on back of tape and press into channel. NOTE: Channel ordered separately.
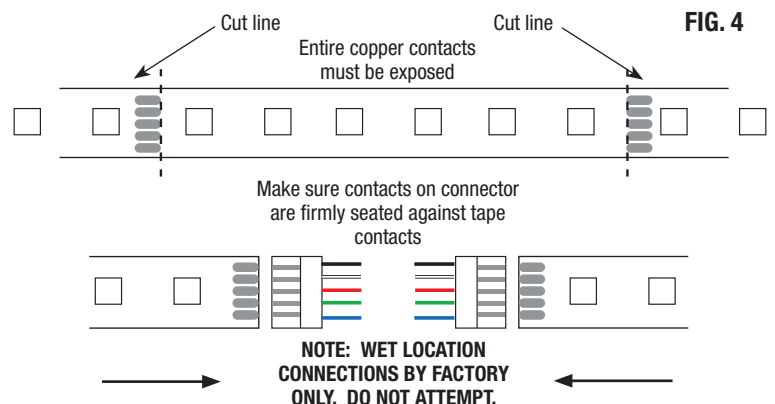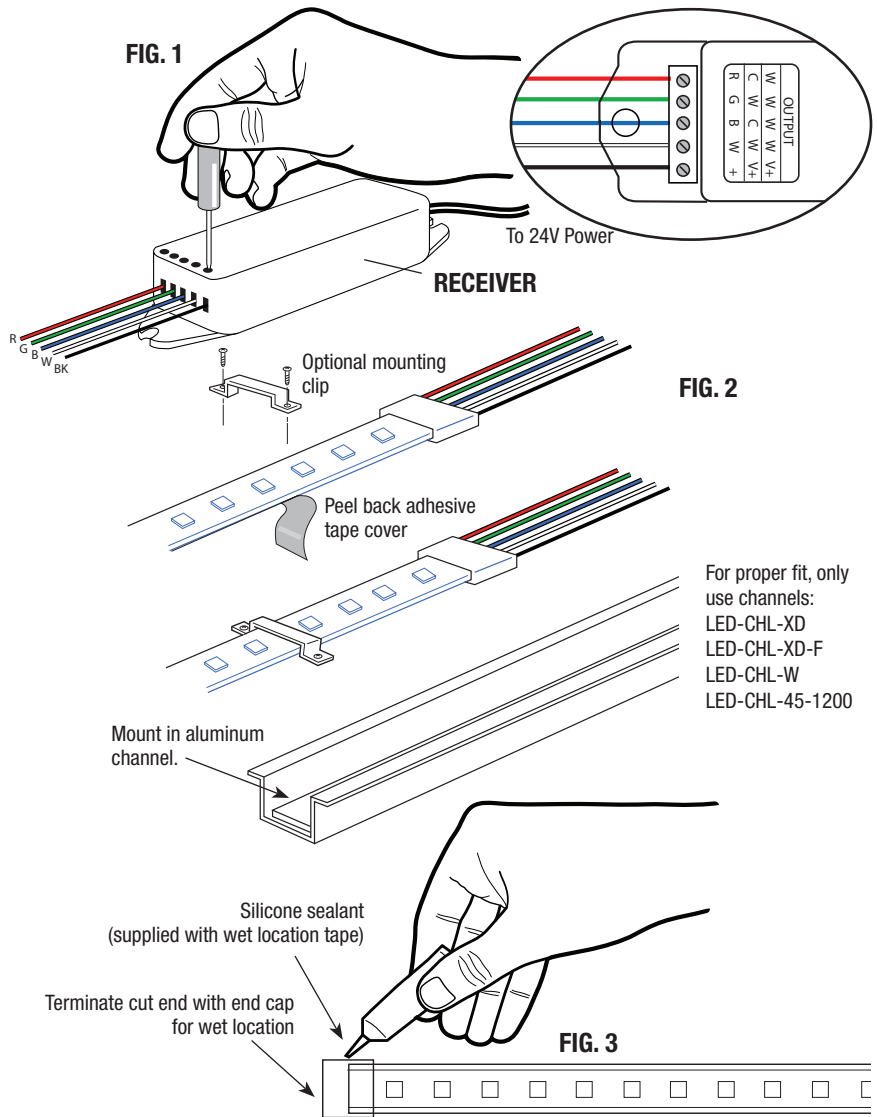
4. MOUNTING WET LOCATION (Fig. 3):
Position wet location tape in place and secure with included mounting clips. NOTE: Mounting clips are only provided with wet location tape. Terminate end of cut ribbon with provided end cap, using provided silicone sealant.

FIELD CUTTING / SPLICING TWO LENGTHS OF TAPE TOGETHER

5. CUTTING DRY LOCATION TAPE IN THE FIELD (Fig. 4):
TO INSURE A SUCCESSFUL SPLICE, READ THESE INSTRUCTIONS THOROUGHLY. When cutting tape, make sure entire copper contact points are exposed and that connector is properly oriented. This may require you to skip a ribbon section to connect to two sections together where the copper contact points are aligned correctly.

FIG. 1

OUTPUT
W W W W W+
R C W C V+
G B W V+

To 24V Power

RECEIVER

R G B W BK

Optional mounting clip

FIG. 2

Peel back adhesive tape cover

For proper fit, only use channels:
LED-CHL-XD
LED-CHL-XD-F
LED-CHL-W
LED-CHL-45-1200

Mount in aluminum channel.

Silicone sealant (supplied with wet location tape)

Terminate cut end with end cap for wet location

FIG. 3

Cut line   Cut line   **FIG. 4**

Entire copper contacts must be exposed

Make sure contacts on connector are firmly seated against tape contacts

NOTE: WET LOCATION CONNECTIONS BY FACTORY ONLY. DO NOT ATTEMPT.

GMLighting®
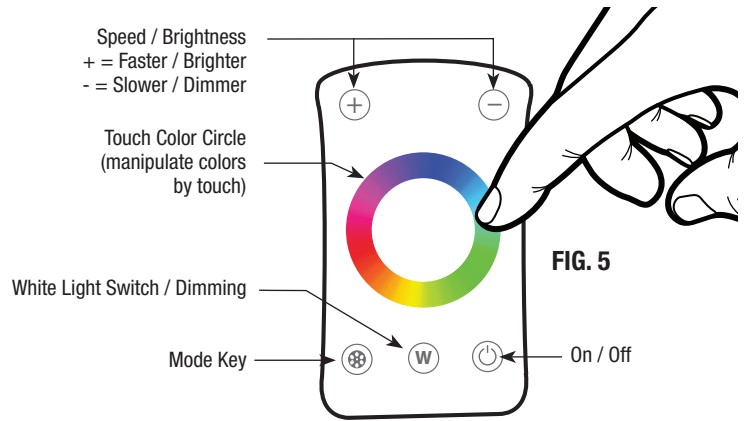*"Lighting Enhanced by Design"*

5. USING HAND HELD REMOTE CONTROLLER (Fig. 5):
Controller enables a wide variety of color effects with the addition of 3000K white. When combined with RGB sequencing, the white source brightens, enhances and enables even more stunning effects.

6. OPERATING INSTRUCTIONS FOR CONTROLLER (Fig. 6):
Hand held remote has been matched to the receiver before it left the factory. If program is accidentally deleted, you can learn the program ID as follows: Press ID learning button on receiver for 1 second. When the running light is on, then press any key on the remote control. This will cause the running light to flash several times, activating the system. To Cancel ID - Press ID learning button for 5 seconds. **NOTE: Maximum wattage for controller is 300 watts. Do not exceed.**

7. KEY TO COLOR CHANGING MODES (Fig. 7):
The table shown is your key to accessing different modes from your handheld controller.

8. WIRING DIAGRAMS (Fig. 8):
Consult wiring diagrams below for single or multiple runs from one receiver. Repeater wiring diagrams **(Fig. 9)**

Speed / Brightness
+ = Faster / Brighter
- = Slower / Dimmer

Touch Color Circle
(manipulate colors by touch)

White Light Switch / Dimming

Mode Key

On / Off

FIG. 5

FIG. 6

Running Light
ID Learning Button

DC5V~24V
Power Input Socket

LED Lamps
Connection Socket

FIG. 7

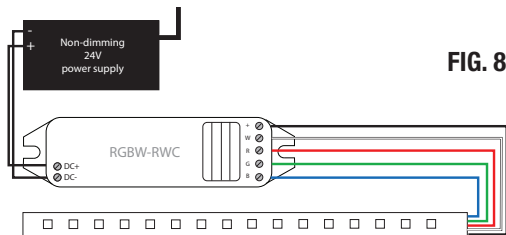| No.	Mode	Instruction	No.	Mode	Instruction
1	Static Red	Brightness Adjustable	7	Static White	Brightness Adjustable
2	Static Green	Brightness Adjustable	8	RGB Skipping	Speed/Brightness Adjustable
3	Static Blue	Brightness Adjustable	9	7 Colors Skipping	Speed/Brightness Adjustable
4	Static Yellow	Brightness Adjustable	10	RGB Color Smooth	Speed/Brightness Adjustable
5	Static Purple	Brightness Adjustable	11	Full-color Smooth	Speed/Brightness Adjustable
6	Static Cyan	Brightness Adjustable	12	Static Black	White light can be turn/off and adjusted

FIG. 8

Non-dimming
24V
power supply

RGBW-RWC

120V Input

Non-dimming
24V
power supply

RGBW-RWC

120V Input

Non-dimming
24V
power supply

RGBW-RWC

FIG. 9

120V Input

LineDRIVE
LD-E Series

RGBW-RWC
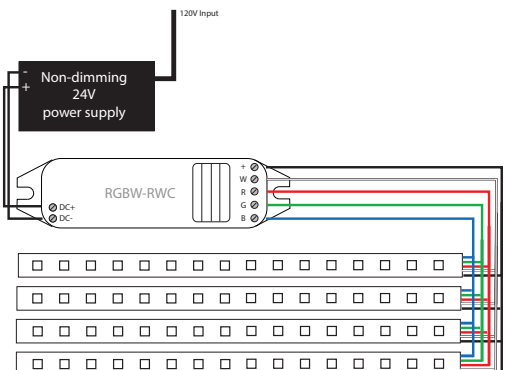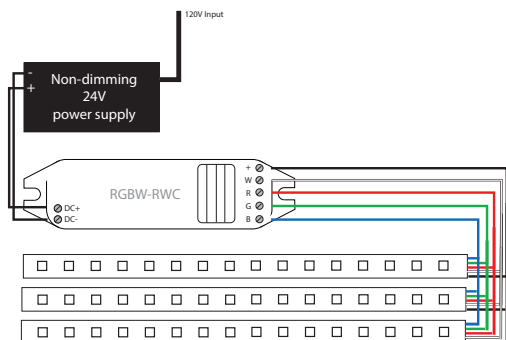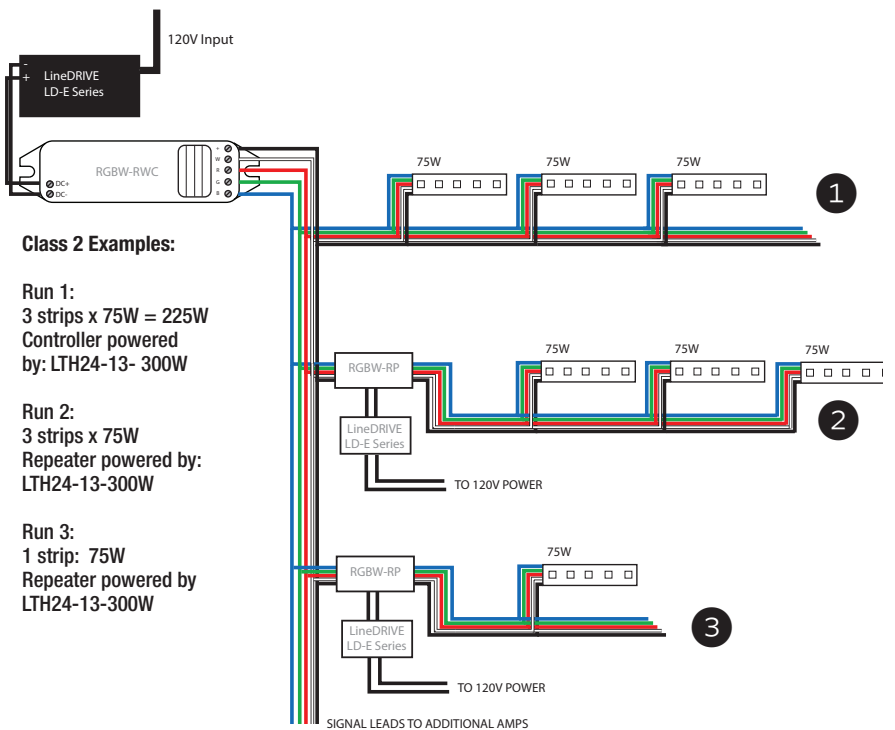
75W   75W   75W

1

Class 2 Examples:

Run 1:
3 strips x 75W = 225W
Controller powered
by: LTH24-13- 300W

Run 2:
3 strips x 75W
Repeater powered by:
LTH24-13-300W

Run 3:
1 strip: 75W
Repeater powered by
LTH24-13-300W

RGBW-RP

LineDRIVE
LD-E Series

75W   75W   75W

2

TO 120V POWER

RGBW-RP

LineDRIVE
LD-E Series

75W

3

TO 120V POWER

SIGNAL LEADS TO ADDITIONAL AMPS