DMX System Installation Guide

DMX OUT

12V Power
Adapter

DMX IN   DMX OUT   DMX IN   DMX OUT   DMX IN

110V   110V   110V

Daisy Chain
Daisy chain one DMX light fixture to the next using included DMX input and output cables preattached to PAR64 or RGB Color Blaster. For extra length between fixtures, DMX extension cables are available.

DMX OUT   DMX IN

Distribution
Block

12V Power
Adapter

DMX OUT

DMX OUT   DMX IN   DMX OUT   DMX IN

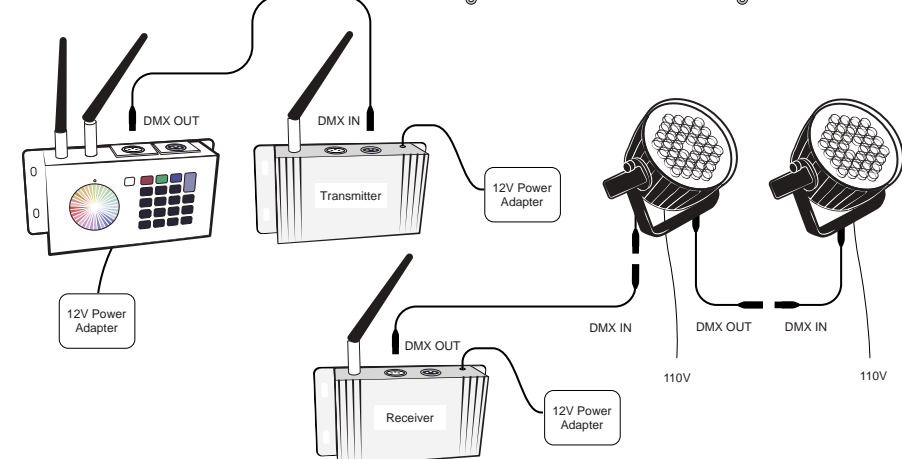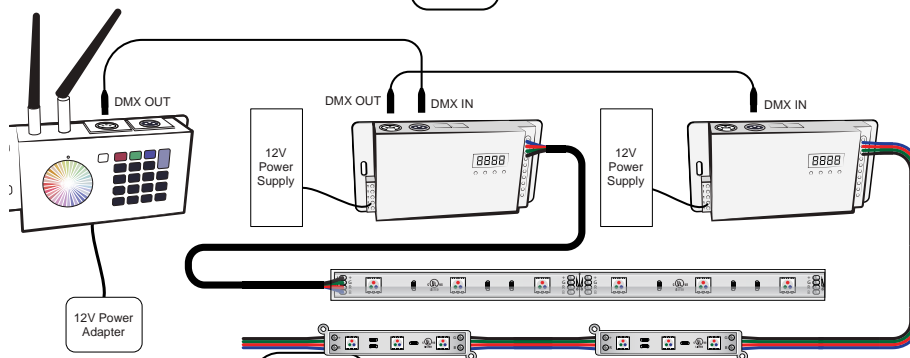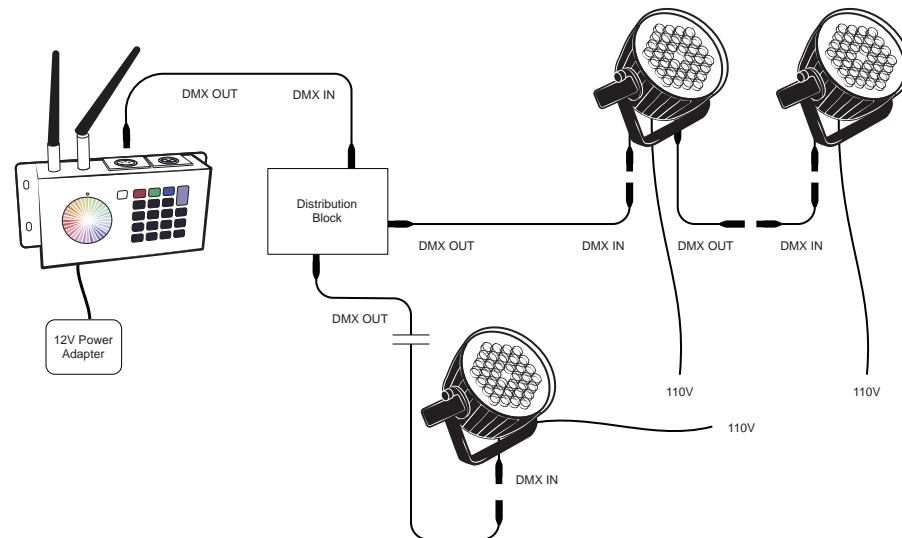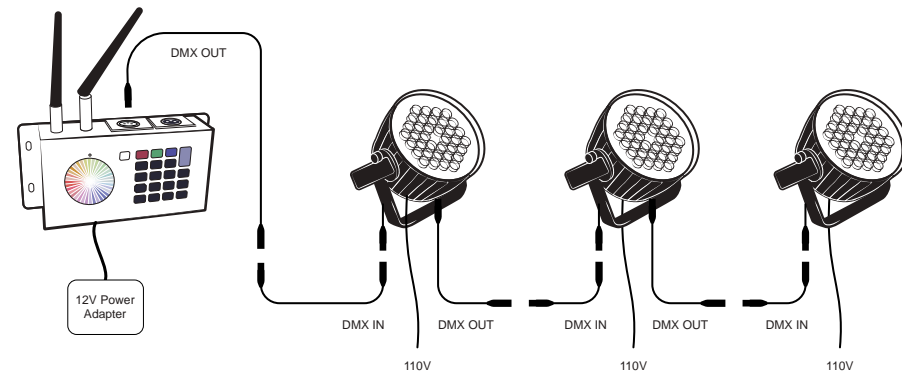110V   110V

110V

DMX IN

Distribution Block (Splitter)
Often used when DMX cables need to go in multiple directions from the controls

DMX OUT   DMX OUT   DMX IN   DMX IN

12V
Power
Supply

12V
Power
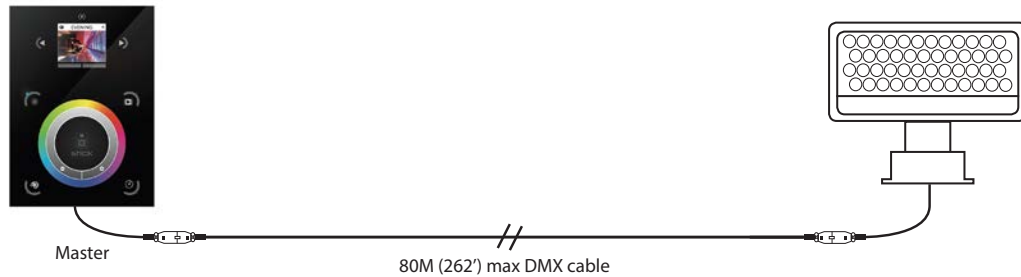Supply

12V Power
Adapter

DMX Decoders
For use when decoding DMX signal for low voltage (12V/24V) RGB/RGBW LED lighting. DMX Decoders require power supplies that can handle the load of the total wattage of LED lights on the line. Popular for use with RGB LED Puck lights, RGBW Strip lighting and more.

DMX OUT   DMX IN

Transmitter

12V Power
Adapter

12V Power
Adapter

DMX OUT

DMX IN   DMX OUT   DMX IN

Receiver

12V Power
Adapter

110V   110V

Wireless DMX
Popularily used when there's no space to run DMX cables. Basically transmitting DMX signal wirelessly to receiver which has DMX lighting fixtures.
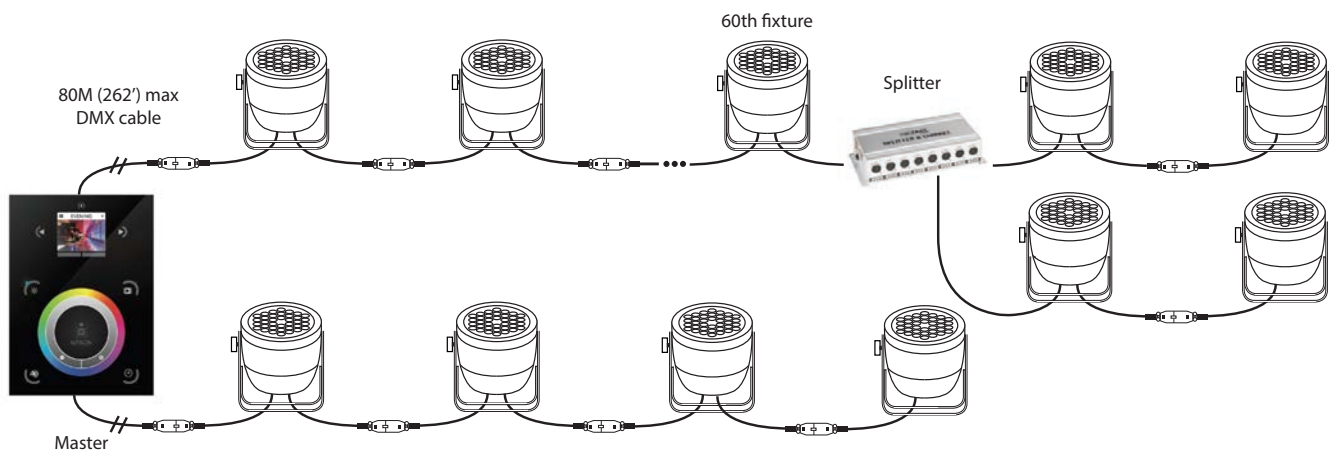

To order please call: Local: **604.484.9394** Toll Free: **1.866.852.7857**
or email orders to **sales@lumenstarled.com**

1) DMX Stand Alone Controller

Master

80M (262') max DMX cable

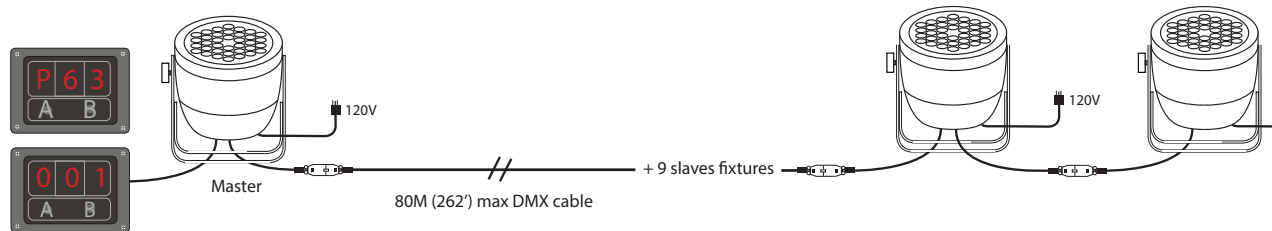**NOTE** : More than 80M (252FT) of DMX cable requires an amplifier. More than 60 fixtures requires an amplifier.

2) Stand Alone Controller with splitter

60th fixture

80M (262') max
DMX cable

Splitter

Master

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3) Integrated Controller (Master)

With on board control, up to 9 slaves

Command Setting Charts

RGB Wall Washer Command Setting Chart

Number Field 1	Number Field 2	Number Field 3
P	1- Static Red	1-9 Brightness Control
P	2- Static Green	1-9 Brightness Control
P	3- Static Yellow	1-9 Brightness Control
P	4- Static Blue	1-9 Brightness Control
P	5- Static Purple	1-9 Brightness Control
P	6- Static Cyan	1-9 Brightness Control
P	7- Static White	1-9 Brightness Control
P	8- All Color Jump - Warm to Cool	1-9 Speed Control
P	9- All Color Fade - Warm to Cool	1-9 Speed Control
P	A- Random Color Fade	1-9 Speed Control
P	B- Random Color Flashing	1-9 Speed Control
P	C- Cycle All Modes	1-9 Speed Control

White Wall Washer Command Setting Chart

Number Field 1	Number Field 2	Number Field 3
P	1- Sustain Light Option 1	1-9 Brightness Control
P	2- Sustain Light Option 2	1-9 Brightness Control
P	3- Sustain Light Option 3	1-9 Brightness Control
P	4- Sustain Light Option 4	1-9 Brightness Control
P	5- Sustain Light Option 5	1-9 Brightness Control
P	6- Sustain Light Option 6	1-9 Brightness Control
P	7- Sustain Light Option 7	1-9 Brightness Control
P	8- Random Light Jump	1-9 Speed Control
P	9- Pulse Fade 1	1-9 Speed Control
P	A- Pulse Fade 2	1-9 Speed Control
P	B- Random Strobe	1-9 Speed Control
P	C- Cycle All Modes	1-9 Speed Control

For additional technical information, please refer to the product specification sheet or contact customer service.

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![LUMENSTAR LED LIGHTING logo]

DMX cove lighting example.

In this layout, the customers required multiple coves to be controlled via a DMX control situated in a Janitorial room.
This customer was able to control each cove individually from both the DMX controllers and/or WiFi via our downloadable app.

DMX CONTROLLER
DR-DMX-WIFI-CON

DMX OUT   DMX IN

DMX SPLITTER
DR-DMX-SPL-8

DMX Splitter
in ceiling

12V Power
Adapter

DMX Controller
at ground level

DMX OUT

DMX DECODER
DR-DMX-WIFI-DEC

adding run lengths as needed
to surround each cove.

DMX OUT   DMX IN

DMX OUT

DMX Spliter to Decoder jumper

COVES

DMX Decoder to Decoder jumper

DMX IN

adding run lengths as needed
to complete each cove run.

DMX IN

adding run lengths as needed
to complete each cove run.