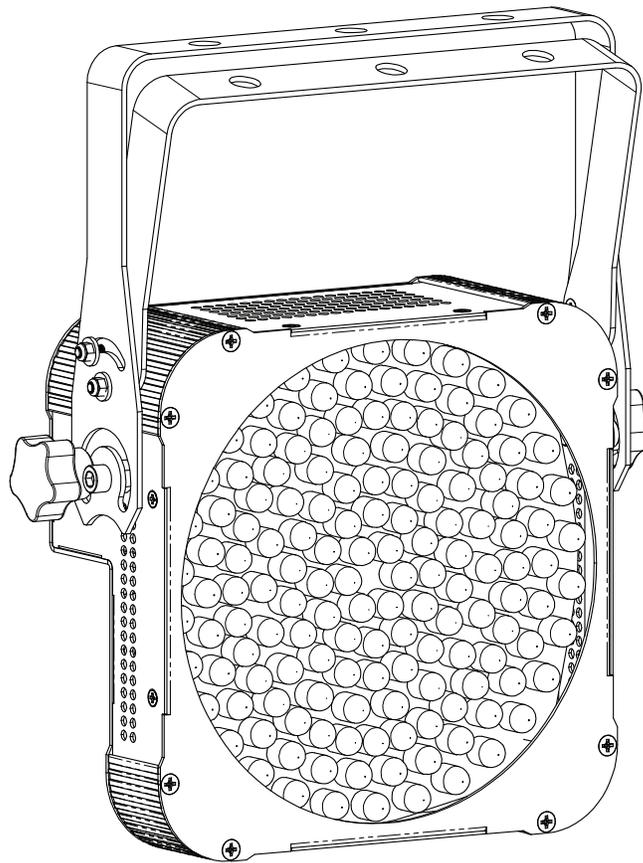




PRO AUDIO
SERIES

Flat PAR UV

Black Light with 144 LEDs



612710

User's Manual

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SAFETY WARNINGS AND GUIDELINES

Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet.

This device is intended for indoor use only.

This device uses a grounded power cord and requires a ground connection for safe operation. Ensure that the power source has a proper ground connection. Do not modify the plug or use a "cheater" plug to bypass the ground connection.

Disconnect the unit from the power source when replacing the fuse. Replace the fuse only with the same type.

Do not bypass the purpose of the fuse by shorting the contacts or by any other means.

Ensure that the power outlet used to connect this device does not exceed the rated maximum voltage, listed on the back panel of the device.

Ensure that power is turned off and disconnected before making any electrical connections.

Disconnect from the power source during lightning storms or when not in use.

Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords.

When disconnecting the power cord do not pull on the cord itself. Instead, grasp the plug connector head to disconnect it from the power socket.

The power cord uses the US standard color coding with green for ground.

This device has no user serviceable parts. Do not attempt to open, service, or modify this device.

Do not use chemical cleaners or solvents to clean the cabinet. Use only a soft dry cloth. For stubborn dirt, moisten the cloth with warm water.

This device ventilates excessive heat through the slots and openings in the case. Do not block or cover these openings. Ensure that the device is in an open area where it can get sufficient airflow to keep from overheating.

INTRODUCTION

Thank you for purchasing the Monoprice 612710 Flat PAR UV Black Light! Please read this manual before attempting to operate the light.

This light accepts 110 ~ 240 VAC and features a NEMA 5-15 power pass-through connector, so you can install multiple lights on a single circuit. It features a sound activation mode, so it can automatically respond to musical content, as well as flashing and fading programs. It uses 1, 2, 3, and 6-channel DMX modes.

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x Flat PAR UV black light with 144 LEDs
- 1x AC power cable (IEC 60320 C13 to NEMA 5-15)
- 1x User's manual

FEATURES

- 144 ultraviolet black light LEDs
- 1, 2, 3, or 6-channel DMX modes
- Built in dimming, fade, and strobe modes
- Includes pass-through power and DMX connectors
- Uses US standard AC power cord (IEC 60320 C13 to NEMA 5-15)
- Pass through power connector is compatible with the following other plug types:
 - BS 546 Type D
 - BS 4573 (UK Shaver)
 - CEE 7/16 "Europlug" (Type C)
 - Danish Section 107-2-D1 Earthed (Type K)

MENU SYSTEM

Use the four buttons under the LED display on the back to set the mode in which the light will operate. The buttons perform the following functions:

MENU: Accesses the menu system or backs out of editing an entry.

UP: Selects the previous mode or increases the value of the selected mode.

DOWN: Selects the next mode or decreases the value of the selected mode.

ENTER: Selects the currently displayed mode for editing or accepts the edited value.

The following table shows the eight menu options, their possible values, and what they mean.

Entry	Values	Remarks
Addr	d001-d512	DMX address
LEd	on/oFF	Turns the LEDs on/off
UL-	U.000-U.255	Dimming mode (fast to slow)
FLAS	FL00-FL15	Strobe mode (fast to slow)
FAdE	FA00-FA15	Fade mode (fast to slow)
SouF	So.uF	Sound activated reaction mode
SLAU	SL.AU	Slave mode
CHnd	1/2/3/6CH	Selects the number of DMX channels to use

MASTER/SLAVE MODE

Whenever the light is set to a mode other than a DMX address or Slave mode, it is considered to be in Master mode. For example, when set to the Sound Activated operation, it is in a Master mode.

When the light is the Master, it will send DMX instructions to other connected lights. Those other lights must be set to Slave mode (SLAU) to receive and execute the instructions sent by the Master light.

DMX Control

When the light is set to a DMX address it will respond to signals from a DMX controller. The number and complexity of the signals it can respond to correspond directly to the number of channels selected. The following tables show the functions and values for each channel in the four different channel modes (1, 2, 3, or 6).

1CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	UV Dimming 0-100%		

2CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	UV Dimming 0-100%		
2	0-14	Not used		
	15-255	Strobe (slow-fast)		

3CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	Segment 1 UV Dimming 0-100%		
2	0-255	Segment 2 UV Dimming 0-100%		
3	0-255	Segment 3 UV Dimming 0-100%		

6CH Mode

Channel	DMX Value	Function	Priority	Remarks
1	0-255	General UV Dimming 0-100%	1	
2	0-255	Segment 1 UV Dimming 0-100%		
3	0-255	Segment 2 UV Dimming 0-100%		
4	0-255	Segment 3 UV Dimming 0-100%		
5	0-14	Dimming	2	When channel 6 is set to 32-223, this channel is speed adjustment.
	15-255	Strobe Speed (slow-fast)		
6	0-31	Not used	3	Channels 1-4 must be used to set the light level. Channel 5 is speed adjustment.
	32-63	Dark-Bright		
	64-95	Bright-Dark		
	96-127	Dark-Bright-Dark		
	128-160	Fade		Channels 1-4 are ignored. Channel 5 is speed adjustment.
	161-191	Fade In, Fade Out		
	192-223	Flash Change		
	224-255	Sound Activated Strobe		

DMX TERMINATION

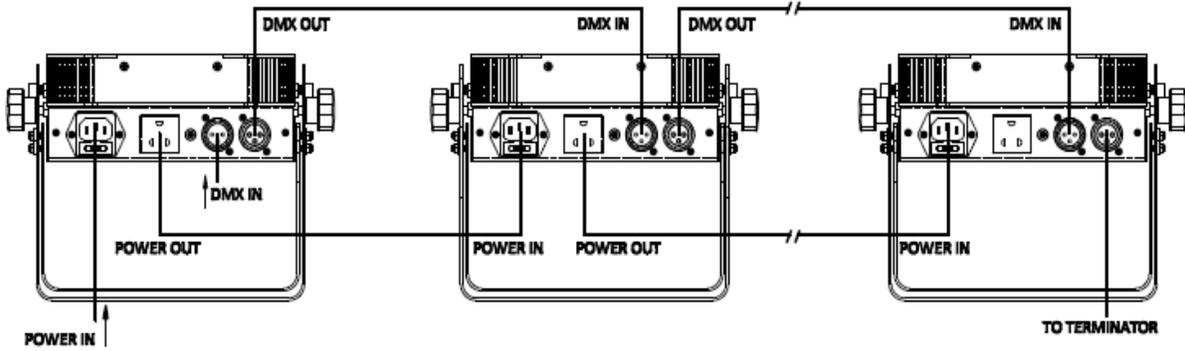
As with all DMX devices, the last unit in any chain must have a DMX terminator connected to the DMX output. If using just a single light, connect a DMX terminator to the DMX output.

A DMX terminator is a DMX plug with a 120-ohm, 1/4-watt resistor soldered between pins 2 and 3.



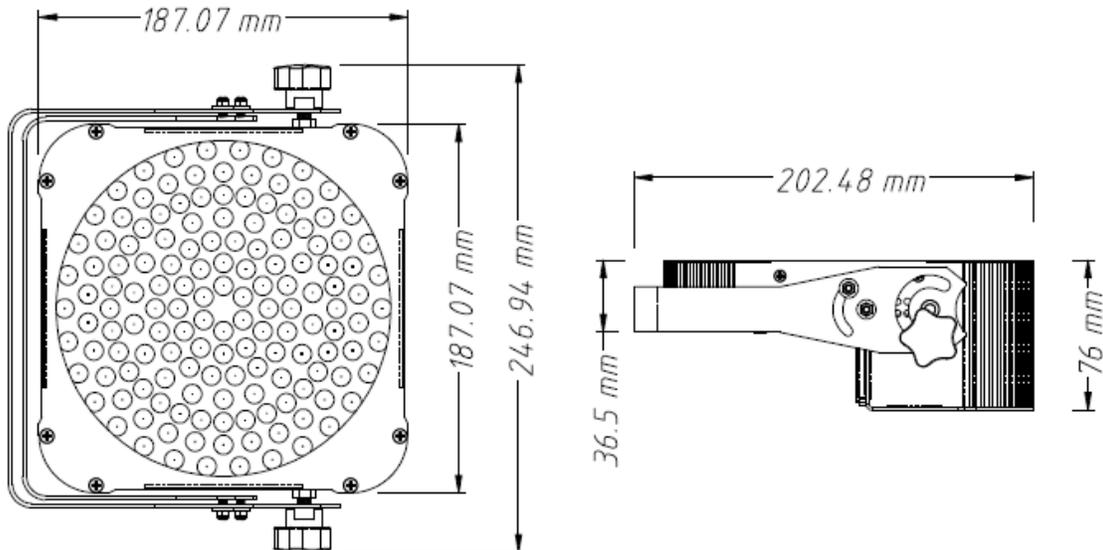
SAMPLE WIRING DIAGRAM

The following diagram shows a sample wiring chain using multiple lights. Note that as with all DMX chains, the last unit must have a DMX terminator connected to the DMX output.



DIMENSIONS DIAGRAM

The following diagram shows the various dimensions of the light fixture.



TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website (www.monoprice.com) during regular business hours, 7 days a week. You can also get assistance through email by sending a message to tech@monoprice.com

TROUBLESHOOTING

Following are some sample problems and potential solutions to those problems.

Q1: The light does not turn on and the menu will not display.

A1: Check the power cable to ensure it is properly plugged in. Check the source power outlet by plugging in a different device. Check to ensure that the fuse has not blown.

Q2: The light will not turn on, but the menu does display.

A2: Using the menu, select the LED mode and set the value to **on**.

Q3: The light does not respond to DMX commands.

A3: Ensure that the light is set to DMX mode with a valid DMX address. Check for address conflicts with other devices. Check the cabling to ensure that there is continuity between the light and the DMX controller. Verify that there is a terminator at the end of the chain. Verify that the DMX controller is operating properly with another DMX device.

SPECIFICATIONS

Model	612710
LEDs	144 high-brightness 10mm UV LEDs
Control Signal	DMX512, Master/Slave
Control Modes	Stand-alone, DMX, Master/Slave, Sound Activated
# of DMX Channels	1, 2, 3, or 6
Beam Angle	25°
Brightness	315 lux at 1m 41 lux at 3m 13.8 lux at 5m 7.6 lux at 7m
Built-in Programs	Dimmer, Strobe, Gradual Change, Sound Activated
Cooling Mode	Natural convection
Ingress Protection	IP20
Input Voltage	100 ~ 264 VAC, 47 ~ 63 Hz
Power Consumption	12 watts maximum
Compatible Pass-through Power Plug Types	NEMA 5-15 BS 546 Type D BS 4573 (UK Shaver) CEE 7/16 "Europlug" (Type C) Danish Section 107-2-D1 Earthed (Type K)
Anti-Electricity Intension	1.5 kV
Insulation Resistance	> 2 megohms
Dimensions	9.7" x 8.0" x 3.0" (247 x 203 x 76 mm)
Weight	3.7 lbs. (1.7kg)