Starburst 18x10

18x10w RGBWA+UV LED PAR

WWW.GAMMALEDVISION.COM

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1. Introduction and Setup Unpacking

After receiving the device, please check whether any visible damage was caused during transport. If the power cord, housing or the light are damaged, do not operate the device. Contact your dealer or GAMMA LED Vision immediately.

Thank you for choosing our Starburst Par. This light is designed by high strength die- casting aluminum which is able to endure high temperatures, and is designed in a stylish form.

It uses high power Red, Green, Blue, White, Amber, and UV LED's for, low power consumption, high brightness, and excellent colors. The Starburst par features DMX512 control, standalone, and sound-active modes.

For your own safety, please read this manual before installing or using the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual for future needs.

In the Box:

Starburst Par LED - Power Cable - User Manual -

1 pc 1 pc 1 pc

Mounting and Operation

Use a clamp rated for the full weight of the Starburst Par to hang the fixture from the mount(s) on the fixture's yoke.

As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly or on the yoke.

Safety Precautions

Caution: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

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Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 items the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

DO NOT connect the device to any dimmer pack.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.

Don't try to modify the fixture without any instruction by the manufacturer.

Warranty is voided if there are any malfunctions from not following the user manual while operating or any hazardous operation, like shock short circuit, electronic shock, lamp broken, etc.

Customer Support

WARRANTY POLICY

GAMMA LED Vision warrants its products for the periods set below from the date of purchase to be free of manufacturer and workmanship defects. Warranty does not cover normal wear and tear caused by force, negligence or misuse of products. GAMMA LED Vision is not responsible for any damages or injury caused by misuse or improper handling of the products and in accordance with instructions and specifications of manual.

Warranty terms are as follows:
LED Fixtures:
Indoor: 2 Years
Outdoor (IP 54 or higher): 1 Year
Lamp Fixtures: 1 year / excludes the lamp LED Video Products:
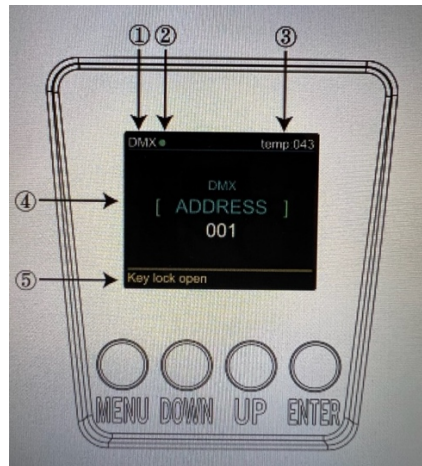
Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Controllers: 2 years

Batteries: 6 months

All Trussing Related Products and Accessories: 1 Year

Please visit WWW.GAMMALEDVISON.COM for complete Limited Warranty terms and contact information.

2. Setup and Operation

Using the LCD Menu and Buttons

Turn on the light, press the **MENU** button to enter the menu mode, use the **UP** and **DOWN** buttons to find the menu,

When the preset menu is displayed on the display screen, press the **ENTER** button to confirm, use the **UP** and **DOWN** buttons to select the sub menu, press the **ENTER** button to save the settings or automatically return to the previous menu.

Press the **MENU** button to return, or wait for one minute and then exit the menu mode automatically. When there is no power connection, press the **UP** button for 1 minute to enter the menu mode. After setting, press **MENU** button or wait for 1 minute to exit the power-off setting function automatically.

There are also various status LED's on the Starburst to show if DMX is active, if the unit is in Master, Slave, or Sound-Active mode.

1. DMX means the light is in "DMX mode". Similarly, SLAVE means the light is in the "Slave mode".

2. The color of the point shows the condition of signal transmission. Green represents good condition, while red represents the signal is interrupted.

3. The display shows the working temperature of the light. When temperature are exceeded, the letters will turn yellow.

Menu Operation

AMENU	DMX Address	Address	1-512
	Channel Mode	CH Mode	3CH
			6CH
			8CH
			12CH
	DMX Mode		DMX Hold
			Blackout
	Manual Mode	Manual	R (0-255)
			G (0-255)
			B (0-255)
			W (0-255)
			A (0-255)
			UV (0-255)
		Color: 1-70	
		Strobe: 0-20	
	Auto Mode	Speed: 01-31 Auto: 01-15	
	Slave Mode		Slave
	Custom Mode	01-11	
	Info		Working Time Software Version Hardware Version

DMX Setup

DMX Basics

DMX512 stands for digital multiplex 512. This means that 512 channels are controlled digitally through 1 data cable.

A channel is a set of 255 steps that are assigned to control attributes in each light. This may be a color like red, green or blue, and intensity, strobe, pan/tilt or other attributes.
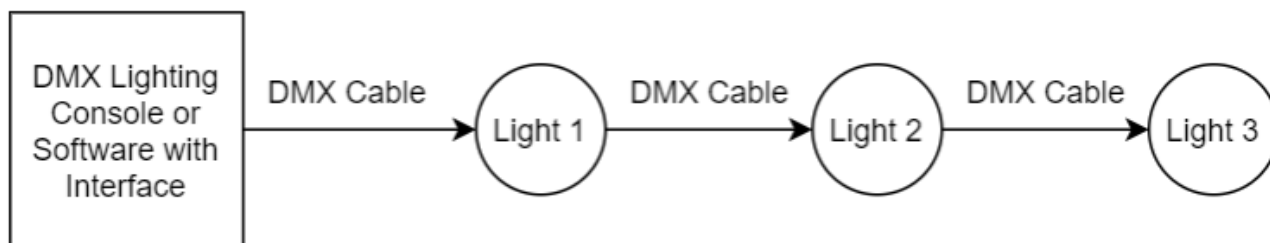
Multiple sets of 512 "universes" may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

DMX Wiring

DMX works by connecting 1 or multiple lights to the output of a DMX lighting console or software with a DMX interface.

DMX lights connect in what is called a "daisy-chain". Your first DMX cable will plug it's male DMX connector into the female DMX connector on your lighting console. The remaining female connector will then connect to the DMX input on your first light.
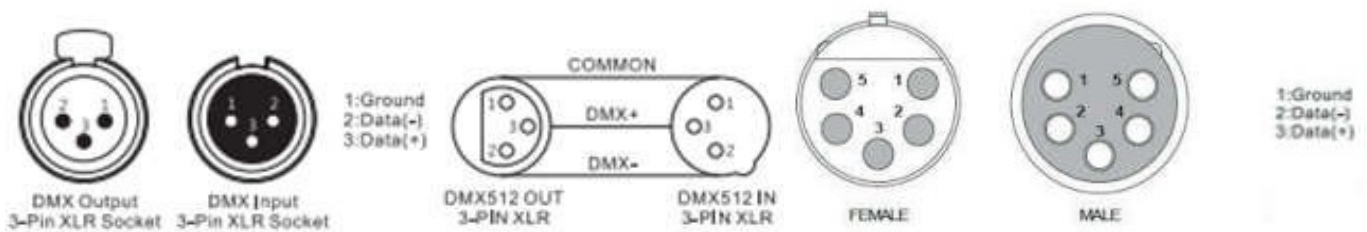
You may then connect your next fixture to the output of your first light, and continue the chain
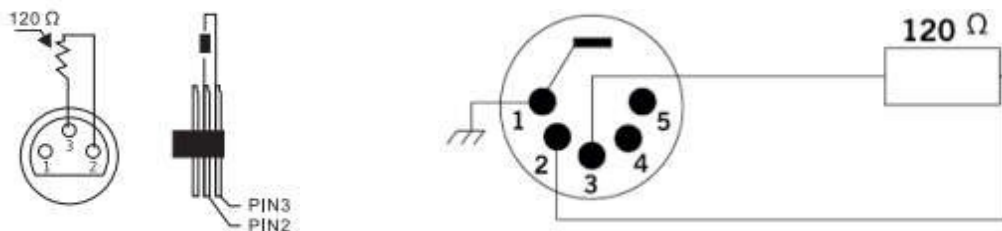
32 Fixture Rule – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

DMX Cables can be 3-pin or 5-pin. These use the same type of data, and in the 5-pin only pins 1, 2, and 3 are used. The cable should be a 2 conductor, shielded cable of at least 110 ohms resistance. Microphone cable is not DMX cable.

Please refer to the diagram below:

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise and reflections. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below:

DMX Channel Mode Sheet:

On the left side of the sheet you will see the different modes and which channel corresponds to each function listed on the right in the given mode.

3 Channel	Value	Function
1	0-255	Hue
2	0-255	Saturation
3	0-255	Value (Brightness)

6 Channel	Value	Function
1	0-255	Red Dimmer
2	0-255	Green Dimmer
3	0-255	Blue Dimmer
4	0-255	White Dimmer
5	0-255	Amber Dimmer
6	0-255	UV Dimmer

8 Channel	Value	Function
1	0-255	Master Dimmer
2	0-255	Strobe Speed
3	0-255	Red Dimmer
4	0-255	Green Dimmer
5	0-255	Blue Dimmer
6	0-255	White Dimmer
7	0-255	Amber Dimmer
8	0-255	UV Dimmer

12 Channel	Value	Function
1	0-255	Master Dimmer
2	0-9	No Fuction
	10-255	Strobe (Min-Max)
3	0-255	Red Dimmer
4	0-255	Green Dimmer
5	0-255	Blue Dimmer
6	0-255	White Dimmer
7	0-255	Amber Dimmer
8	0-255	UV Dimmer
9	0-10	No Function
	11-20	R100%/Gup/B0%/W0%
	21-30	Rdown/G100%/B0%/W0%
	31-40	R0%/G100%/Bup/W0%
	41-50	Rup/Gdown/B100%/W0%
	51-60	Rup/G0%/B100%/W0%
	61-70	R100%/G0%/Bdown/W0%
	71-80	R100%/G0%/B0%/Wup
	81-90	R100%/G0%/B0%/Wdown
	91-100	Combo 1
	101-110	Combo 2
	111-120	Combo 3
	121-130	Combo 4
	131-140	Combo 5
	141-150	Combo 6

	151-160	Combo 7
	161-170	Combo 8
	171-180	Combo 9
	181-190	Combo 10
	191-200	RGBW
	201-205	White 1
	206-210	White 2
	211-215	White 3
	216-220	White 4
	221-225	White 5
	226-230	White 6
	231-235	White 7
	236-240	White 8
	241-245	White 9
	246-250	White 10
	251-255	White 11
10	0-7	Default
	8-17	Auto 1
	18-27	Auto 2
	28-37	Auto 3
	38-47	Auto 4
	48-57	Auto 5
	58-67	Auto 6
	68-77	Auto 7
	78-87	Auto 8

	88-97	Auto 9
	98-107	Auto 10
	108-117	Custom 1
	118-127	Custom 2
	128-137	Custom 3
	138-147	Custom 4
	148-157	Custom 5
	158-167	Custom 6
	168-177	Custom 7
	178-187	Custom 8
	188-197	Custom 9
	198-207	Custom 10
	208-255	Custom 11
11	0-255	Speed when Auto is enabled
12	0-255	ID address set

3. Maintenance Troubleshooting Problems

The following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work:

- Check that the unit is plugged in to a working power connector.
- Press the menu button to confirm that the unit is powered on. If the screen

  does not light up, the unit has no power.

B. Not Responding to the DMX Controller

- Check DMX cables to verify that they are plugged in and functional.
- Check the DMX address and mode – does it match the address and mode

  patched in the lighting console or software?

- Plug the light directly into the DMX controller with a cable that you know is good. Unplug all other lights – does it work?
- Try to use another DMX controller.

4. Technical Specifications

- o **Input Voltage:** 100-240V, 50/60Hz

- o **Total Power consumption:** 120w

- o **LEDs:** 18*10 W RGBWA+UV (6in1)

- o **Lamp rated life:** >50000 Hours

- o **Beam Angle:** 25 degree

- o **DMX512 Channels:** 3/6/8/12 Channels

- o **Strobe**：Independent electronic strobe, 0-20 times/second, the speed can be adjusted

- o **Control Mode**：DMX512 control, Auto Run, Master/Slave, Sound-Active

- o **IP Rating**：IP 44

- o **Product size:** 280.32 x 142.56 x 288.28mm

- o **New Weight:** 5 kgs

- o **Certification:** CE, RoHS

Photometric Reports

ux(R)	839	228	105		
lux(G)	1054	315	147		
lux(B)	50	14	8		
lux(W)	1149	325	145		
lux(A)	565	162	68		
lux(UV)	75	20	10		
lux(RGBWAUV)	3679	983	468	271	176

Beam opening

1

0

1

25°

Distance(m)	0	2	4	6	8	10
Diameter(m)	Ø 0	Ø 0.28	Ø 0.56	Ø 0.84	Ø 1.12	Ø 1.14