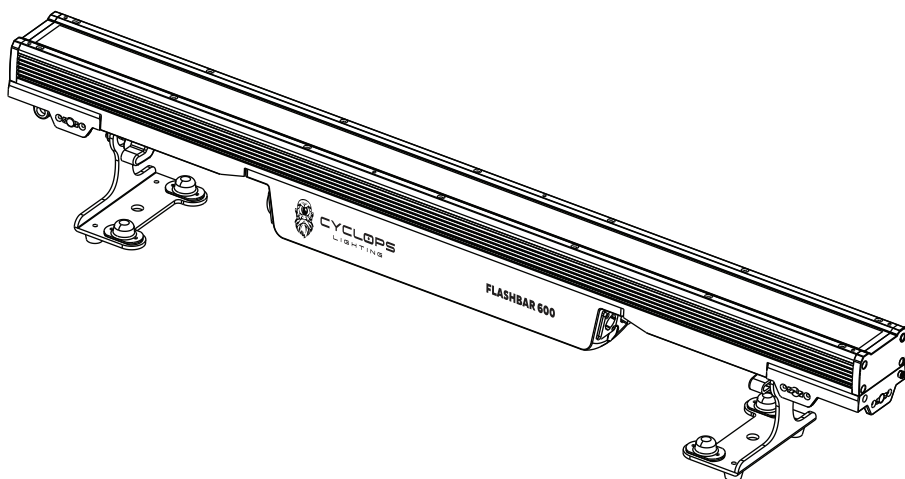


FLASHBAR 600

IP65 STROBE, EFFECTS AND PIXEL MAPPING LED BAR



USER MANUAL



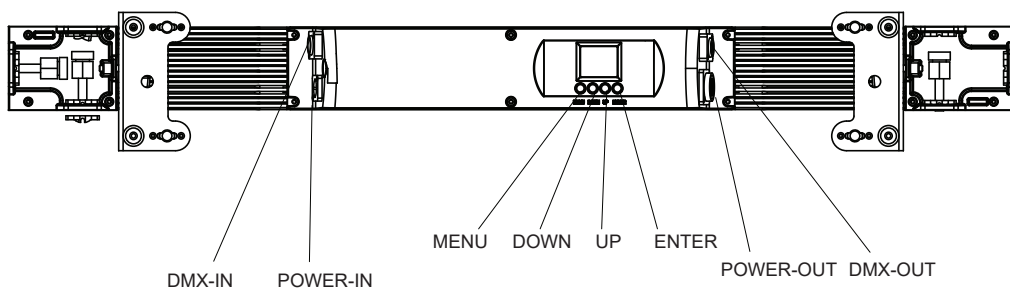
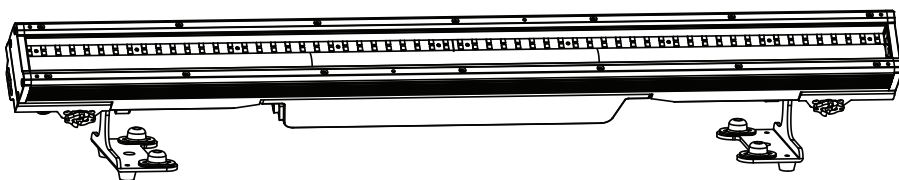
PRODUCT
DOCUMENTATION



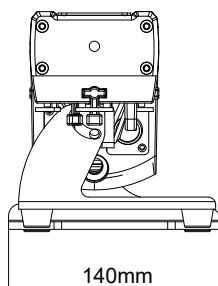
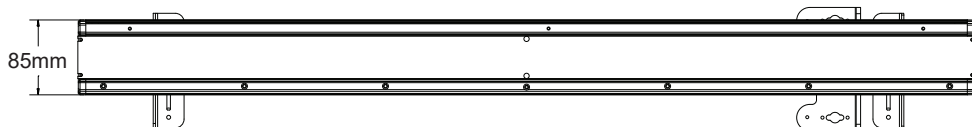
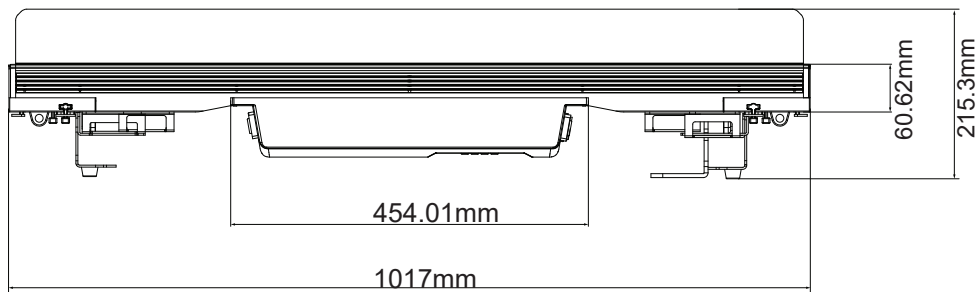
DMX
CHART

www.cyclopslighting.com

Product Overview



Mechanical Specification



Packaging: Thanks for your purchasing the FLASHBAR600. All the lights have been checked and are in excellent operating condition. Please check the shipping carton first. Because there maybe damage occurred during the shipment. Then check the lights carefully and be sure that the light is intact and works normally. In the event damage has been found, spare parts are missing or the lights works abnormally, please contact us for further instructions. And please don't return the light to the dealer before contacting us.

Introduction:The FLASHBAR600 has four operating modes: DMX mode, Auto mode, Master/Slave and Static color mode. And the light has six DMX channel. DMX channel is including 3 channel, 9 channel, 22 channel, 36 channel, 50 channel and 92 channel. You can see 31 kinds of shows when you open the Auto mode .All then all the lights in Master/Slave mode will run following the one in Auto mode. Using fog or special effect smoke, you can see better showing effect.

Warning!

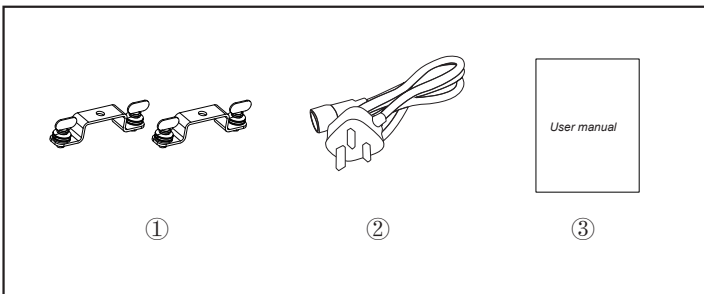
1. For the sake of preventing the risk of electrical shock or fire.
2. Don't look directly at the opening lights all the time, or it may damage your eyes.

Features

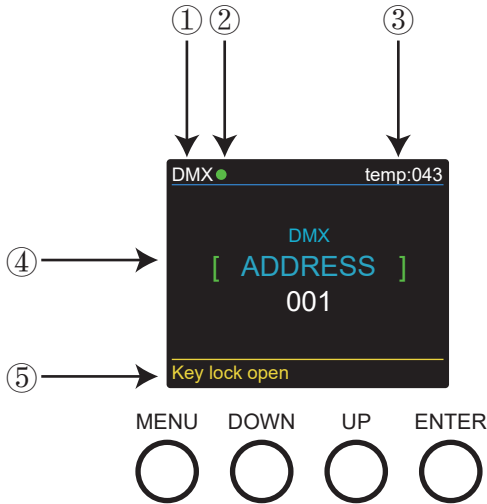
- Light Source: 360pcs white led,384pcs RGB 5050 1W LED
- Beam angle: 90°
- Power consumption: 300W
- Voltage: AC 100V-240V 50/ 60Hz
- Run mode: DMX 512 /Master Slave /Auto Run
- DMX channels: 3, 9, 22, 36, 50 & 92 CH
- Built-in Effect: color mixing, variable color chasing, strobing and fading
- Fan controlled by PWM waves
- 4 dimmer curves
- TFT displayer with four buttons
- Material: Aluminum body
- IP65
- Temperature: -20°C~40°C
- Dimension:1017×140×147mm
- N.W: 9.2 KG

Accessory

- ① 1/4 turn fast lock x 2
- ② Power cable x 1
- ③ User manual x 1

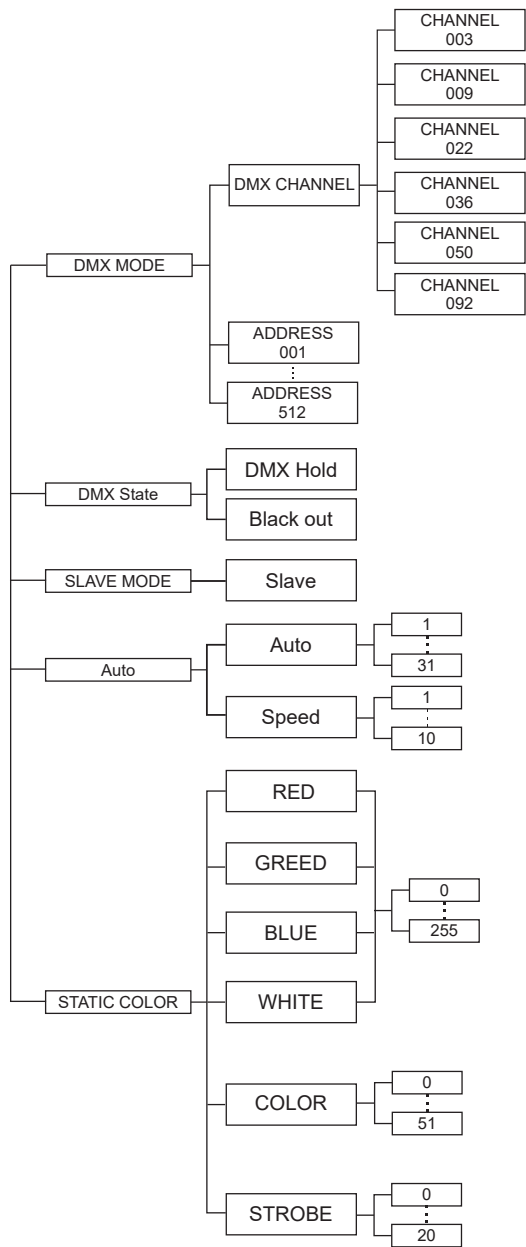


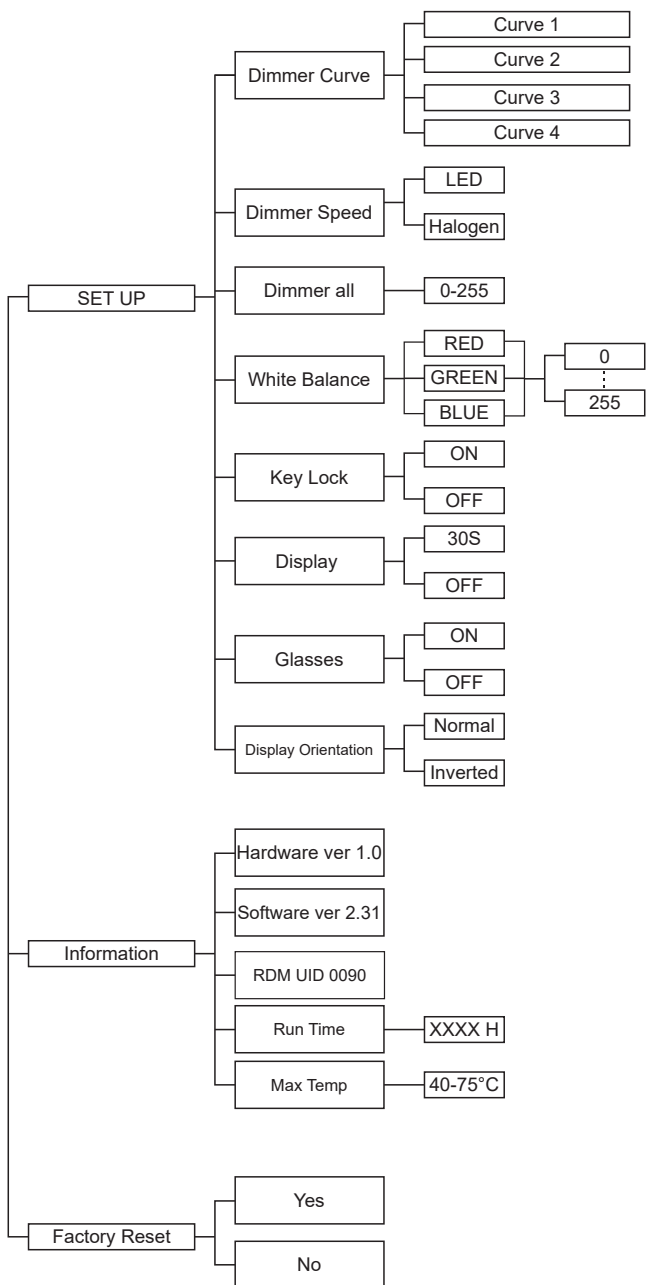
Displayer introduction



1. DMX means the light is in the 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 the good condition, while red represents the signal is interrupted.
3. The item shows the working temperature of the light. When the working temperature exceeds the max temperature, the color of the letters and number will change from white to yellow.
4. This item shows the menu you selected.
5. This item shows the condition of key lock. "Key lock open" means the key lock is open. And "Key lock off" means the key lock is close.

Programme Menu





DMX control mode

3 CHANNELS		
Channel	Value	Function
1	000 - 255	Flash intensity
2	000 - 255	Flash Duration
3	000 - 255	Flash Rate

9 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color marco 0-51
6	000 - 255	Frost Glasses
7	000 - 255	Red
8	000 - 255	Green
9	000 - 255	Blue

22 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color marco 0-51
6	000 - 255	Frost Glasses
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	White section 1-6
14	000 - 255	White section 7-12
15	000 - 255	Red 3
16	000 - 255	Green3
17	000 - 255	Blue3
18	000 - 255	Red 4
19	000 - 255	Green4
20	000 - 255	Blue4
21	000 - 255	auto 1-15
22	000 - 255	auto speed

36 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color marco 0-51
6	000 - 255	Frost Glasses
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4
17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	White section 1-3
20	000 - 255	White section 4-6
21	000 - 255	White section 7-9
22	000 - 255	White section 10-12
23	000 - 255	Red 5
24	000 - 255	Green5
25	000 - 255	Blue5
26	000 - 255	Red 6

27	000 - 255	Green6
28	000 - 255	Blue6
29	000 - 255	Red 7
30	000 - 255	Green7
31	000 - 255	Blue7
32	000 - 255	Red 8
33	000 - 255	Green8
34	000 - 255	Blue8
35	000 - 255	auto 1-31
36	000 - 255	auto speed

50 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color marco 0-51
6	000 - 255	Frost Glasses
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4

17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	Red 5
20	000 - 255	Green5
21	000 - 255	Blue5
22	000 - 255	Red 6
23	000 - 255	Green6
24	000 - 255	Blue6
25	000 - 255	White section 1-2
26	000 - 255	White section 3-4
27	000 - 255	White section5-6
28	000 - 255	White section 7-8
29	000 - 255	White section 9-10
30	000 - 255	White section 11-12
31	000 - 255	Red 7
32	000 - 255	Green7
33	000 - 255	Blue7
34	000 - 255	Red 8
35	000 - 255	Green8
36	000 - 255	Blue8
37	000 - 255	Red 9
38	000 - 255	Green9
39	000 - 255	Blue9
40	000 - 255	Red 10
41	000 - 255	Green10
42	000 - 255	Blue10
43	000 - 255	Red 11
44	000 - 255	Green11
45	000 - 255	Blue11

46	000 - 255	Red 12
47	000 - 255	Green12
48	000 - 255	Blue12
49	000 - 255	auto 1-31
50	000 - 255	auto speed

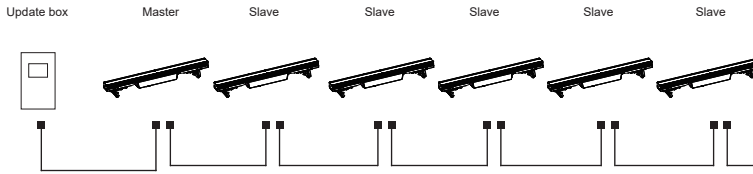
92 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Flash intensity
3	000 - 255	Flash Duration
4	000 - 255	Flash Rate
5	000 - 255	Color marco 0-51
6	000 - 255	Frost Glasses
7	000 - 255	Red 1
8	000 - 255	Green1
9	000 - 255	Blue1
10	000 - 255	Red 2
11	000 - 255	Green2
12	000 - 255	Blue2
13	000 - 255	Red 3
14	000 - 255	Green3
15	000 - 255	Blue3
16	000 - 255	Red 4
17	000 - 255	Green4
18	000 - 255	Blue4
19	000 - 255	Red 5
20	000 - 255	Green5

21	000 - 255	Blue5
22	000 - 255	Red 6
23	000 - 255	Green6
24	000 - 255	Blue6
25	000 - 255	Red 7
26	000 - 255	Green7
27	000 - 255	Blue7
28	000 - 255	Red 8
29	000 - 255	Green8
30	000 - 255	Blue8
31	000 - 255	Red 9
32	000 - 255	Green9
33	000 - 255	Blue9
34	000 - 255	Red 10
35	000 - 255	Green10
36	000 - 255	Blue10
37	000 - 255	Red 11
38	000 - 255	Green11
39	000 - 255	Blue11
40	000 - 255	Red 12
41	000 - 255	Green12
42	000 - 255	Blue12
43	000 - 255	White section 1
44	000 - 255	White section 2
45	000 - 255	White section3
46	000 - 255	White section 4
47	000 - 255	White section 5
48	000 - 255	White section 6
49	000 - 255	White section 7
50	000 - 255	White section 8

51	000 - 255	White section9
52	000 - 255	White section 10
53	000 - 255	White section 11
54	000 - 255	White section 12
55	000 - 255	Red13
56	000 - 255	Green13
57	000 - 255	Blue13
58	000 - 255	Red 14
59	000 - 255	Green14
60	000 - 255	Blue14
61	000 - 255	Red 15
62	000 - 255	Green15
63	000 - 255	Blue15
64	000 - 255	Red 16
65	000 - 255	Green16
66	000 - 255	Blue16
67	000 - 255	Red 17
68	000 - 255	Green17
69	000 - 255	Blue17
70	000 - 255	Red 18
71	000 - 255	Green18
72	000 - 255	Blue18
73	000 - 255	Red 19
74	000 - 255	Green19
75	000 - 255	Blue19
76	000 - 255	Red 20
77	000 - 255	Green20
78	000 - 255	Blue20
79	000 - 255	Red 21
80	000 - 255	Green21

81	000 - 255	Blue21
82	000 - 255	Red 22
83	000 - 255	Green22
84	000 - 255	Blue22
85	000 - 255	Red 23
86	000 - 255	Green23
87	000 - 255	Blue23
88	000 - 255	Red 24
89	000 - 255	Green24
90	000 - 255	Blue24
91	000 - 255	auto 1-31
92	000 - 255	auto speed

Update software via DMX cable



First, set the first one light in Master mode, the other lights in Slave mode, then connect with DMX cable.

Second, connect the power for the update box, and choose the software, then the update box connects with the first one light (Master), the background will show grey color.

Third, press the ENTER button, and the display shows "wait", a few seconds, shows WHITE "loading" and changes to other color. It means uploading, a few minutes, upload success will be shown. All the programs edited in the Master light will be uploaded to the Slave lights.

DMX MODE-In this menu,you can connect several pieces of lights with DMX cable and control them with the control console.

Press "ENTER" and then press "UP" or "DOWN" to "Address" or "DMX Channel" and press "ENTER".
1) "XXX" will be showed in "Address", "XXX" means the Address 001-512. You can press "UP" or "DOWN" to select the address you desired.

2) "Channel [xx]" will be showed in "DMX Channels", "XX" indicates the current channel mode.
You can press "UP" or "DOWN" to select the Channel Mode you desired.

DMX STATE-In this menu,you can choose the DMX signal you desired.

1. Press "ENTER" and then press "UP" or "DOWN" to "DMX STATE".
2. Press "ENTER" and you can choose "BLACKOUT" or "DMX HOLD"; "BLACKOUT" means cut off the DMX signal and "DMX HOLD" means connect DMX signal.

SLAVE MODE-In this menu, you can choose one light as the MASTER light and other lights in SLAVE Mode will run follow the MASTER light.

1. Press "ENTER" and then press "UP" or "DOWN" to "SLAVE Mode".
2. Press "ENTER" and "SLAVE" will be showed, then press "ENTER" to choose.

AUTO MODE-In this menu, you can choose your desired AUTO Mode and adjust the running speed.

1. Press "ENTER" and then press "UP" or "DOWN" to "AUTO MODE".
2. Press "ENTER" you can see 2 items as below:
1) SPEED - It provides "01-10" for you choose.
2) AUTO MODE - It provides "AUTO 1- AUTO 31" for you choose.

STATIC COLOR-In this menu, you can adjust the value of static color and strobe speed as you like.

1. Press "ENTER" button and then UP or DOWN button until "STATIC COLOR" is showed.
2. Press "ENTER" button, and there will be five options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as follow:
1) RED - You can adjust the red brightness in this menu.
2) GREEN - You can adjust the green brightness in this menu.
3) BLUE - You can adjust the blue brightness in this menu.
4) White - You can adjust the white brightness in this menu.
5) COLOR - You can select 51 static color in this menu.
6) STROBE - You can adjust the strobe speed in this menu.

SET UP-In this menu, you can adjust the values of the function.

1. Press "ENTER" and then press "UP" or "DOWN" to "SET UP".
2. Press "ENTER" and there has eight options then press "ENTER" to choose the options and press "UP" or "DOWN" to choose the value you desired as below:
1) Dimmer Curve - In this item,You can choose the dimming curve mode you want.
2) Dimmer Speed - In this item,You can choose the dimming speed mode you want.
3) Dimmer ALL - You can adjust the brightness of color in this menu.
4) White Balance - You can adjust the brightness of each color in this menu.
5) Key Lock - You can choose "ON" or "OFF" to make the Key Lock turn on or off.
6) Display - You can choose "OFF" or "30s" to make the position of the light screen.
7) Glasses - In this item,You can choose "on" or "off", when you open, at this time, the electronic frost filter glass will show the frost filter effect. When you select off, the frost filter effect will be turned off.
8) Display Orientation - In this item, you can choose normal or inverted. In normal mode, the display does not change. In inverted mode, the display content is reversed.

INFORMATION-In this menu,you can learn about the information of software, hardware,RDM,run time and the max temp of the light.

1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.
2. Press "ENTER" button, and "Software" "Hardware" "RDM" "max temp" or "working time" will be showed. Then press ENTER, and you can see five items as below:
 - 1) Hardware ver - This item displays the Hardware information.
 - 2) Software Ver- This item displays the Software information.
 - 3) RDM: UID - This item displays the RDM Version.
 - 4) Run Time: - This item displays the Run Time of light .
 - 5) Max Temp: - You can set the your desired Max working temperature about the light in this menu. When the working temperature of the light exceeds the Max temperature, the color of letter"Temp xx" showed in the menu will change from white to yellow. Meanwhile, the light will adjust the working temperature automatically.

FACTORY RESET-In this menu, you can reset all the value of the system.

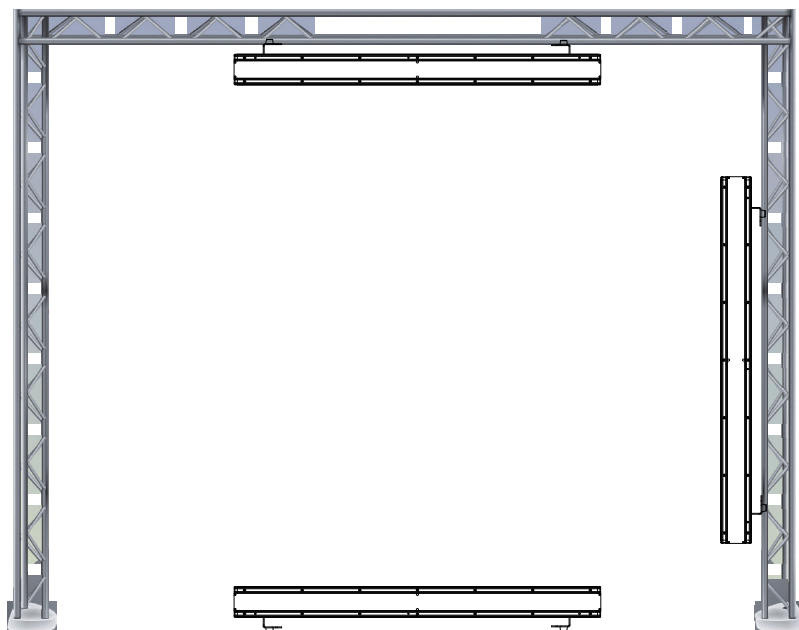
1. Press "ENTER" and then press "UP" or "DOWN" to "FACTORY RESET".
2. Press "ENTER" to reset all the values of the system.

Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

The installation should be checked by a skilled person once a year.

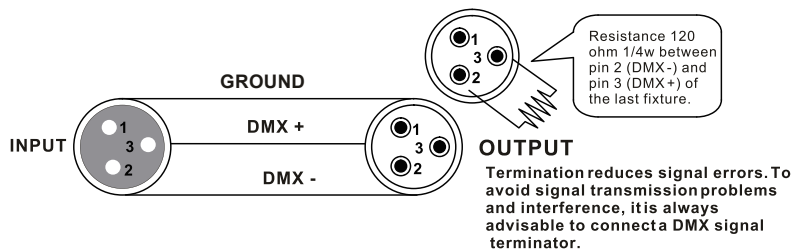


The FLASHBAR600 is fully operational in three different mounting positions, hanging upside-down from a ceiling, set on a flat level surface or mount the unit on its side. Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). And you'd better use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails (see next page).

CABLE CONNECTORS

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

DMX connector configuration



caution:Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

3-PIN TO 5-PIN CONVERSION CHART

Note! If you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART		
Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

RDM---Remote Device Management

RDM is a wild version of the DMX512-A protocol, allowing dimming stations and other control devices to be discovered through a DMX512 network, and then configuring, status monitoring, and managing intermediate and line end devices.

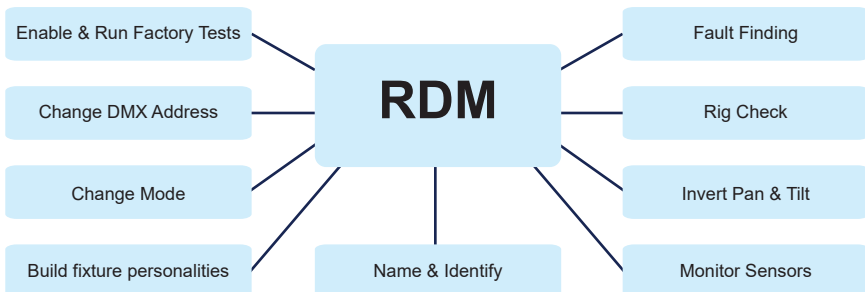
It allows two-way communication between the lighting device or system controller and the connected RDM compatible device through the standard DMX. This protocol will allow these devices to be configured, monitored, and managed in a manner that does not interfere with the normal operation of standard DMX512 devices that do not recognize the RDM protocol.

Allow a controller or test device to find other devices that can be RDM, such as computer lights or dimming cabinets, and remotely manage them through this connection intelligence. Including the ability to remotely set the initial address of the DMX512, query the device's errors or statistics, and achieve most of the configuration settings that are usually done on the front panel of the device. RDM can run with the new RDM device or any original DMX512 product on the same data link without any performance impact. Since RDM runs on the first team DMX512 link, the only infrastructure upgrade required by RDM is to upgrade the existing data distributor to implement a two-way mode to support RDM.

The RDM information is transmitted through the first pair of DMX512 data channels. RDM uses packets that include non-zero initial codes to start and control communications. This alternating(rotating) session and waiting for indicative responses is performed in a semi-duplex format. The second data pair is not used for any RDM function.

Two-way data transmission-each vendor's equipment can exchange data, Art-net can only transmit data, can not exchange with each other.

Its functions are as followed:





CYCLOPS

LIGHTING

Cyclops Lighting creates professional lighting fixtures for **lighting professionals**. Our extensive product catalog covers every lighting application, from small to big, from simple to complex. We focus on maximizing value for our users, ensuring superior **performance**, complete **documentation** and expert **worldwide support**.



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