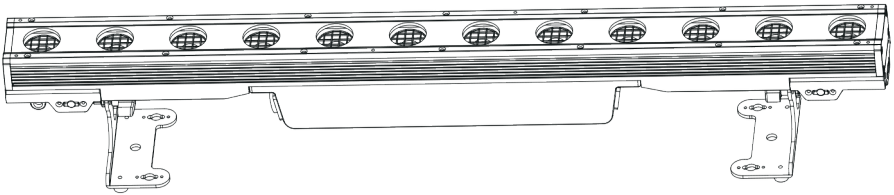


FLASHBAR 500

IP65 RED, AMBER & WARM WHITE BLINDER,
FX & PIXEL MAPPING BAR



CYCLOPS
LIGHTING



USER MANUAL



PRODUCT
DOCUMENTATION



DMX
CHART

www.cyclopslighting.com

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Please read carefully before use

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

1. Introduction

Packaging: Thanks for your purchasing the FLASHBAR 500. 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 FLASHBAR 500 has four operating modes: DMX mode, Auto mode, Master/Slave mode. And the light has seven DMX channel. DMX channel is including 1 channel, 4channel, 6channel, 12 channel, 16 channel, 21 channel, 24 channel and 34 channel. You can see 13 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.

2. Safety Information

Warning!

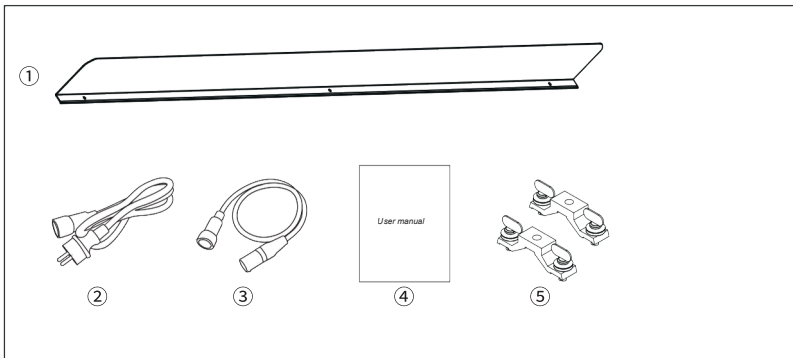
- 1.Forthesake of preventing the risk of electrical shock or fire.
- 2.Don't look directly at the opening lights all the time, or it may damage your eyes.

3. Technical Specifications

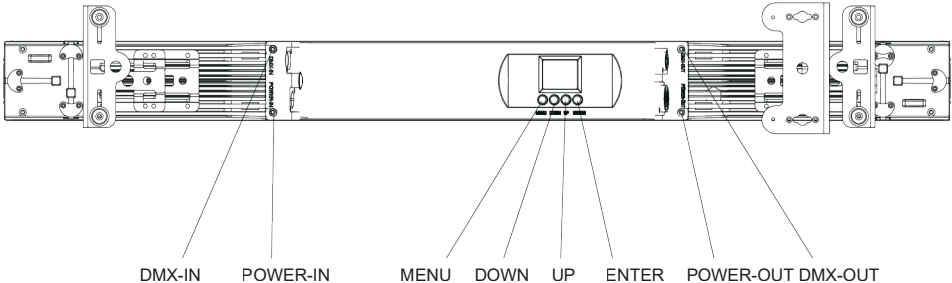
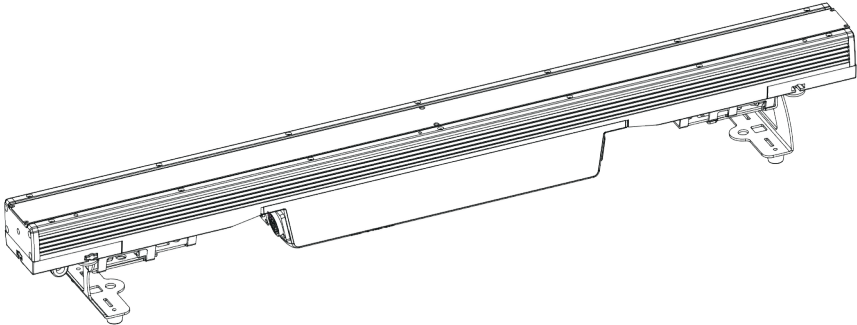
- Light Source: 48pcs*1w Red+48pcs*1w Amber+36pcs*10w WW
- Beam Angle :40°
- Power consumption: 260W
- Voltage: AC 100-230V 50/ 60Hz
- Run mode: DMX 512 /Master Slave /Auto Run
- DMX channels: 1/4/6/12/16/21/24/34CH
- Built-in Effect: color mixing, variable color chasing, strobing and fading
- Fan controlled by PWM waves
- 4 dimmer curves
- TFT displayer with four buttons
- Material: Aluminum body
- IP65
- Temperature: -20°C~50°C
- Dimension:1017×140×169mm
- N.W: 9.5KG

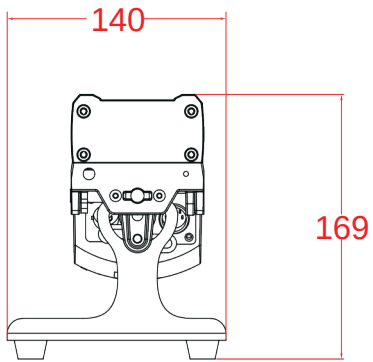
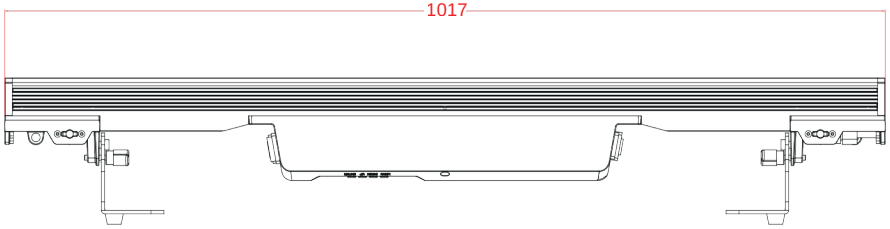
Accessories

- ① Barndoor x 1 (purchase separate)
- ② Power cable x 1
- ③ DMX cable x1(purchase separate)
- ④ Usermanual x 1
- ⑤ Fastlock x 2



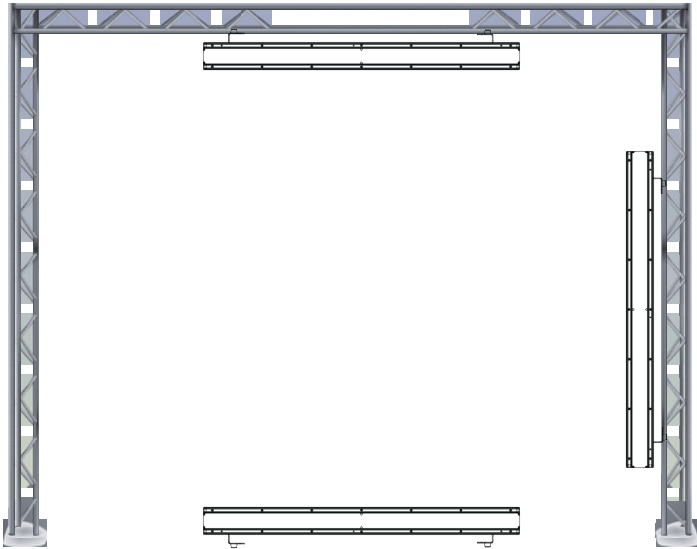
4. Device Overview





5. Installation

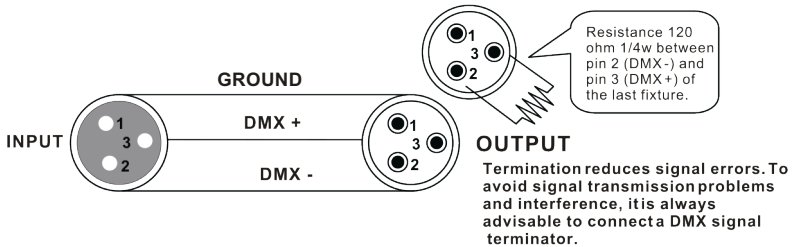
When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, 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 FLASHBAR 500 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.

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.

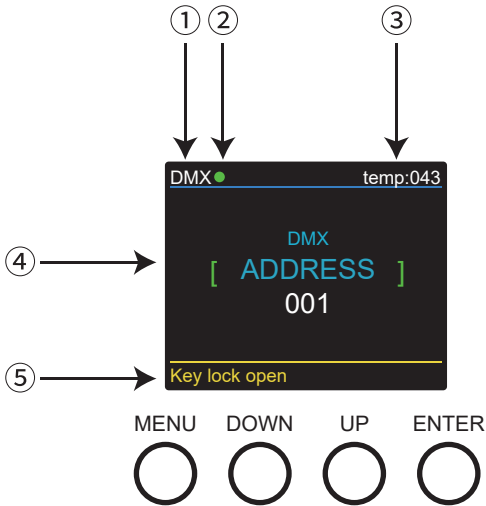
3-PIN TO 5-PIN CONVERSION CHART

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:

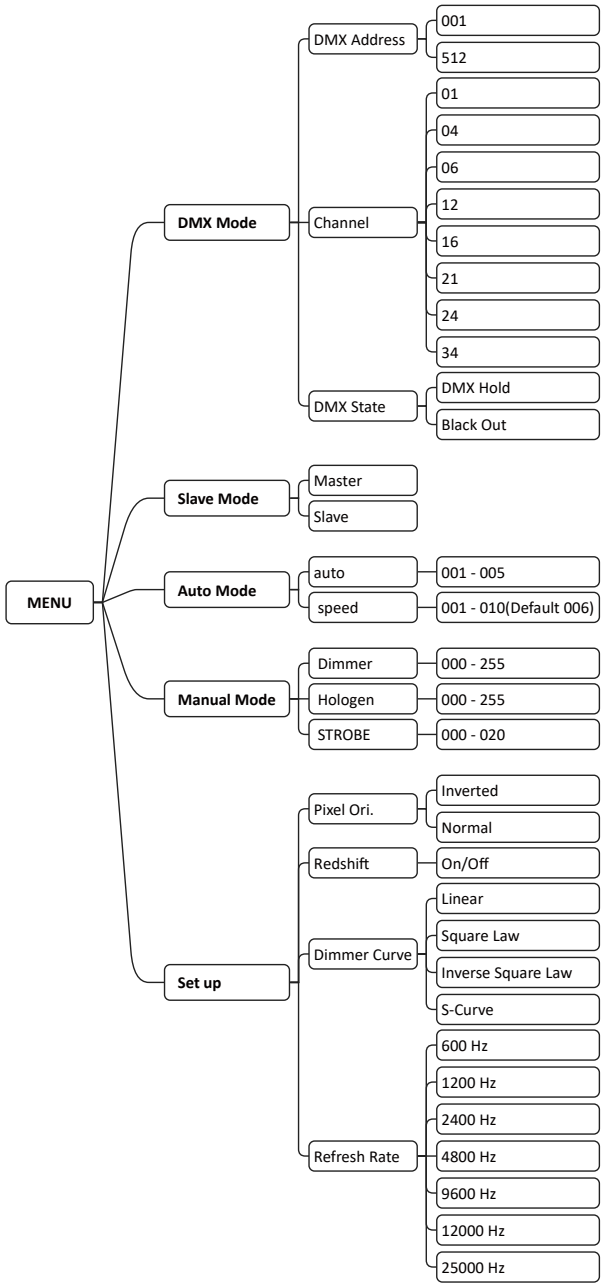
3-PIN TO 5-PIN CONVERSION CHART

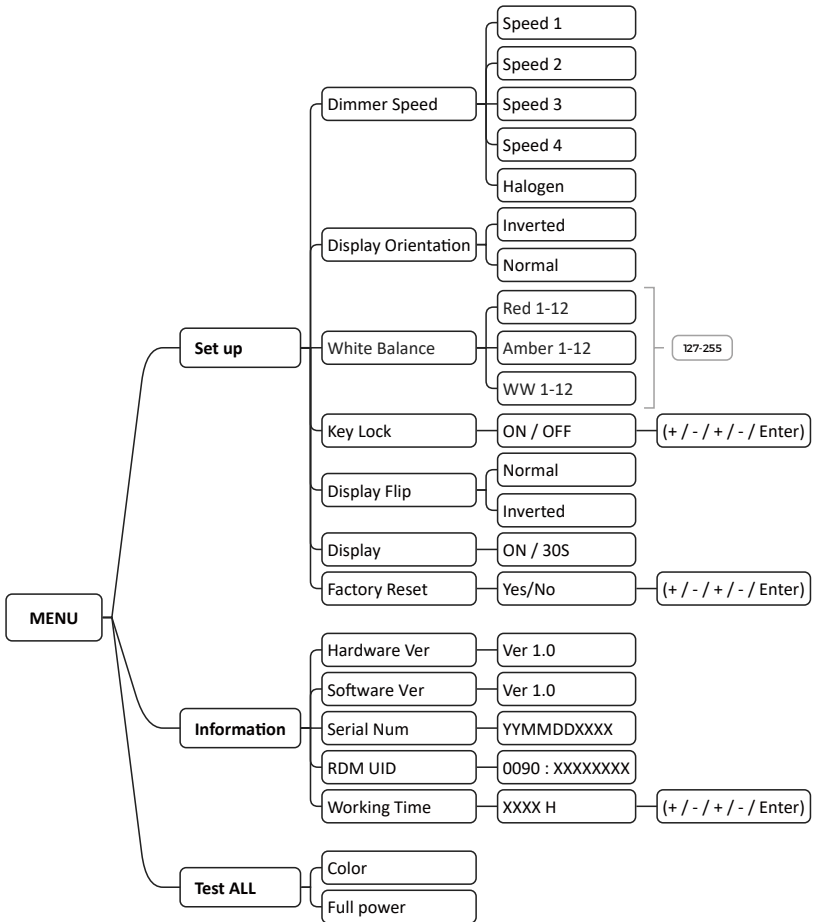
Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

6. Control Panel



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.





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" means 5 kinds of DMX Channels Modes. You can press "UP" or "DOWN" to select the Channel Mode you desired.
- 3) DMX STATE - In this menu, you can choose the DMX signal you desired. Press "ENTER" and then press "UP" or "DOWN" to "DMX STATE". 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 "AUTOMODE".
2. Press "ENTER" you can see 2 items as below:
 - 1) SPEED - It provides "01-05" for you choose.
 - 2) AUTO MODE - It provides "AUTO 1-AUTO 5" for you choose.

Manual MODE

In this menu, you can adjust dimmer, halogen, strobe you desired. 1. Press "ENTER" and then press "UP" or "DOWN" to "MANUAL MODE".

2. Press "ENTER" and there has 3 options then press "UP" or "DOWN" to select the value you desired as below:
 - 1) Dimmer - You can adjust the overall brightness in this menu.
 - 2) Halogen - You can adjust the brightness of halogen in this menu.
 - 3) STROBE - You can adjust the speed of strobe 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 6 options, then press "UP" or "DOWN" to choose the value you desired as below:
 - 1) 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.

- 2)RedShift - In this item,the lamp displays the halogen effect when you select ON,and the lamp turns off the halogen effect when you select OFF.
- 3)Dimmer Curve - In this item,You can choose the dimming curve mode you want.
- 4)Refresh Rate - it provides 600-25000Hz of refresh rates for your choose
- 5)Dimmer speed - In this item, you can adjust the dimmer speed you want.
- 6)White Balance - You can select "RED" "AMBER" "WW" you need.
- 7)Key Lock - You can choose "5s" or "OFF" to make the Key Lock turn on or off.
- 8)Display - You can choose "Normal" or "Inverted" to change direction of the screen.
- 9)FACTORY RESET-In this item, you can reset all the value of the system.

INFORMATION

In this menu, you can learn about the information of RDM, software, hardware and working time of the light.

- 1.Press "ENTER" and then press "UP" or "DOWN" to "INFORMATION".
- 2.Press "ENTER" and you can see 3 items as below:

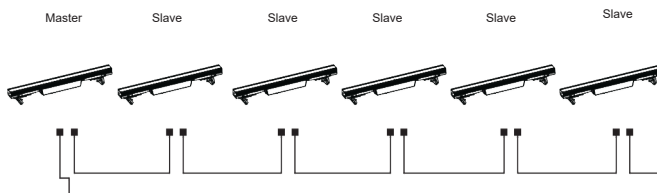
- 1) Hardware ver - This item displays the Hardware information.
- 2) Software Ver- This item displays the Software information.
- 3) Serial number - It shows the serial number information.
- 4) RDM: UID - This item displays the RDM Version.
- 5) Run Time: - This item displays the Run Time of light .

Test mode

In this menu, you can test if the light work normally.

- 1)Color - In this item, you can test color "red" "amber" "WW".
- 2)Full power - In this item, you can test if full brightness can work normally.

UPLOAD

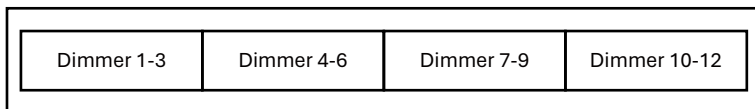


First,set one light, which involves the program you have edited in EDIT menu and want to upload, in Master mode,and others in Slave mode. Then,connect all the lights with DMX cables. Finally,select the UPLOAD menu of the Master light and press ENTER. All the programs edited in the Master light will be uploaded to the Slave lights.

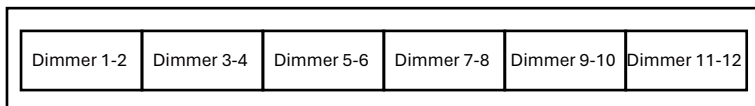
7. DMX Channels

1 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer

4 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer 1 - 3
2	000 - 255	Dimmer 4 - 6
3	000 - 255	Dimmer 7 - 9
4	000 - 255	Dimmer 10 - 12



6 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer 1 - 2
2	000 - 255	Dimmer 3 - 4
3	000 - 255	Dimmer 5 - 6
4	000 - 255	Dimmer 7 - 8
5	000 - 255	Dimmer 9 - 10
6	000 - 255	Dimmer 11 - 12



12 CHANNELS		
Channel	Value	Function
1	000 - 255	Dimmer 1
2	000 - 255	Dimmer 2
3	000 - 255	Dimmer 3
4	000 - 255	Dimmer 4
5	000 - 255	Dimmer 5
6	000 - 255	Dimmer 6
7	000 - 255	Dimmer 7
8	000 - 255	Dimmer 8
9	000 - 255	Dimmer 9
10	000 - 255	Dimmer 10
11	000 - 255	Dimmer 11
12	000 - 255	Dimmer 12

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

CHANNEL 16		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Shutter
3	000 - 255	Shutter duration
4	000 - 255	Dimmer speed
5	000 - 255	Dimmer 1
6	000 - 255	Dimmer 2
7	000 - 255	Dimmer 3
8	000 - 255	Dimmer 4
9	000 - 255	Dimmer 5
10	000 - 255	Dimmer 6
11	000 - 255	Dimmer 7
12	000 - 255	Dimmer 8
13	000 - 255	Dimmer 9
14	000 - 255	Dimmer 10
15	000 - 255	Dimmer 11
16	000 - 255	Dimmer 12

CHANNEL 21		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Shutter
3	000 - 255	Shutter duration
4	000 - 255	Dimmer 1
5	000 - 255	Dimmer 2
6	000 - 255	Dimmer 3
7	000 - 255	Dimmer 4
8	000 - 255	Dimmer 5
9	000 - 255	Dimmer 6
10	000 - 255	Dimmer 7
11	000 - 255	Dimmer 8
12	000 - 255	Dimmer 9
13	000 - 255	Dimmer 10
14	000 - 255	Dimmer 11
15	000 - 255	Dimmer 12
16	000 - 255	Dimmer curve
17	000 - 255	Dimmerr speed
18	000 - 255	Redshift
19	000 - 255	Auto effect
20	000 - 255	Auto speed
21	000 - 255	Device settings

CHANNEL 24		
Channel	Value	Function
1	000 - 255	Dimmer 1
2	000 - 255	Dimmer fine 1
3	000 - 255	Dimmer 2
4	000 - 255	Dimmer fine 2
5	000 - 255	Dimmer 3
6	000 - 255	Dimmer fine 3
7	000 - 255	Dimmer 4
8	000 - 255	Dimmer fine 4
9	000 - 255	Dimmer 5
10	000 - 255	Dimmer fine 5
11	000 - 255	Dimmer 6
12	000 - 255	Dimmer fine 6
13	000 - 255	Dimmer 7
14	000 - 255	Dimmer fine 7
15	000 - 255	Dimmer 8
16	000 - 255	Dimmer fine 8
17	000 - 255	Dimmer 9
18	000 - 255	Dimmer fine 9
19	000 - 255	Dimmer 10
20	000 - 255	Dimmer fine 10
21	000 - 255	Dimmer 11
22	000 - 255	Dimmer fine 11
23	000 - 255	Dimmer 12
24	000 - 255	Dimmer fine 12

CHANNEL 34		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Master dimmer fine
3	000 - 255	Shutter
4	000 - 255	Shutter duration
5	000 - 255	Dimmer 1
6	000 - 255	Dimmer fine 1
7	000 - 255	Dimmer 2
8	000 - 255	Dimmer fine 2
9	000 - 255	Dimmer 3
10	000 - 255	Dimmer fine 3
11	000 - 255	Dimmer 4
12	000 - 255	Dimmer fine 4
13	000 - 255	Dimmer 5
14	000 - 255	Dimmer fine 5
15	000 - 255	Dimmer 6
16	000 - 255	Dimmer fine 6
17	000 - 255	Dimmer 7
18	000 - 255	Dimmer fine 7
19	000 - 255	Dimmer 8
20	000 - 255	Dimmer fine 8
21	000 - 255	Dimmer 9
22	000 - 255	Dimmer fine 9
23	000 - 255	Dimmer 10
24	000 - 255	Dimmer fine 10
25	000 - 255	Dimmer 11
26	000 - 255	Dimmer fine 11
27	000 - 255	Dimmer 12
28	000 - 255	Dimmer fine 12

29	000 - 255	Dimmer curve
30	000 - 255	Dimmerr speed
31	000 - 255	Redshift
32	000 - 255	Auto effect
33	000 - 255	Auto speed
34	000 - 255	Device settings

DMX sheet

Auto effect		
21	77	effect 1
78	135	effect 2
136	193	effect 3
194	251	effect 4
252	255	effect 5

Auto speed		
1	27	Speed 1
28	55	Speed 2
56	83	Speed 3
84	111	Speed 4
112	139	Speed 5
140	167	Speed 6
168	195	Speed 7
196	223	Speed 8
224	251	Speed 9
252	255	Speed 10

Dimmer speed		
0	42	No function
43	84	Dimmer speed 1
85	126	Dimmer speed 2
127	168	Dimmer speed 3
169	210	Dimmer speed 4
211	255	Halogen

Dimmer curve		
0	51	No function
52	101	Linear
102	152	Square Law
153	203	Inv.Squ.Law
204	255	S-Curve

Redshift		
0	84	No function
85	170	Redshift OFF
171	255	Redshift ON

Shutter (from slow to fast)		
0	19	Shutter Close
20	24	Shutter Open
25	64	Strobe 1
65	69	Shutter Open
70	84	Strobe 2 : Opening Pulse
85	89	Shutter Open
90	104	Strobe 3 : Closing Pulse
105	109	Shutter Open
110	124	Strobe 4 : Random Strobe
125	129	Shutter Open
130	144	Strobe 5 : Random Opening Pulse
145	149	Shutter Open
150	164	Strobe 6 : Random Closing Pulse
165	169	Shutter Open
170	184	Strobe 7 : Burst Pulse
185	189	Shutter Open
190	204	Strobe 8 : Random Burst Pulse
205	209	Shutter Open
210	224	Strobe 9 : Sine wave
225	229	Shutter Open
230	244	Strobe 10 : Burst
245	255	Shutter Open

Device settings (Hold 3s)		
0	11	No function
12	22	Pixel orientation normal
23	33	Pixel orientation Invert
34	44	No function
45	55	DMX Blackout
56	66	DMX Hold
67	77	No function
78	88	Key Lock OFF
89	99	Key Lock ON
100	110	No function
111	121	600Hz
122	132	1200Hz
133	143	2400Hz
144	154	4800Hz
155	165	9600Hz
166	176	12000Hz
177	187	25000Hz
188	198	No function
199	209	Display Flip Normal
210	220	Display Flip Inverted
221	231	Display ON
232	242	Display 30s
243	255	Reset

RDM---Remote Device Management

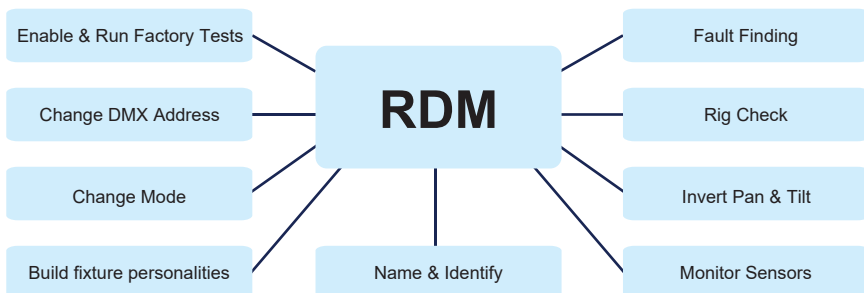
RDM is a wild version of the DMX512-A protocol, allowing dimming stations and other control devices to be discovered through a DMX512 network, and then configuring, status monitoring, and managing intermediate and line end devices.

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:



RDM

RDM compliance:ANSI/ESTA E.120

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
DIMMER CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√



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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