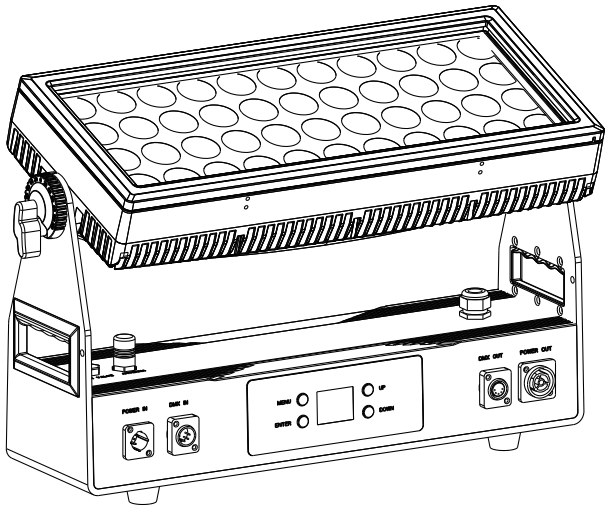
FLASH 88

44X20 WATTS RGBW POWERFUL LIGHT OUTDOOR LED WASH

CYCLOPS LIGHTING



USER MANUAL

PRODUCT DOCUMENTATION

DMX CHART

www.cyclopslighting.com

Safety Introduction Color King

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. Keep in mind that this manual cannot address all possible dangers and environments. Please use your own caution when operating. This product is for professional use only. It is not for household use.



•Do not operate the unit in areas of high temperature conditions. It will cause abnormal function or damage the product.
•Always use a suitable safety wire when mounting the light overhead.
•Connect the safety wire only to the intended safety mount.
• Always follow local safety requirements.



•Only qualified personnel may repair this product.
•Do not open the product housing.
•Do not apply power if the light is damaged.



•Do not directly look into the light.
•It can cause harm to your eyes.
•Do not look at the LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.
•Please don't look at the light directly when the light's radiation temperature reach 40℃



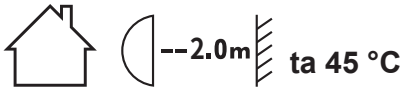
•The exterior surfaces of the light can become hot, up to 55°C during normal operation.
•Ensure that accidental physical contact with the device is impossible.
• Install only in ventilated locations.
•Do not cover the light.



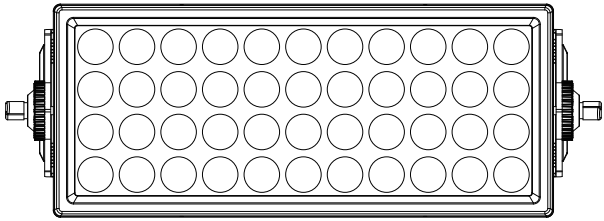
•Always charge with the flight case open.
• It is recommended to charge at a temperature between 15°C and 35°C

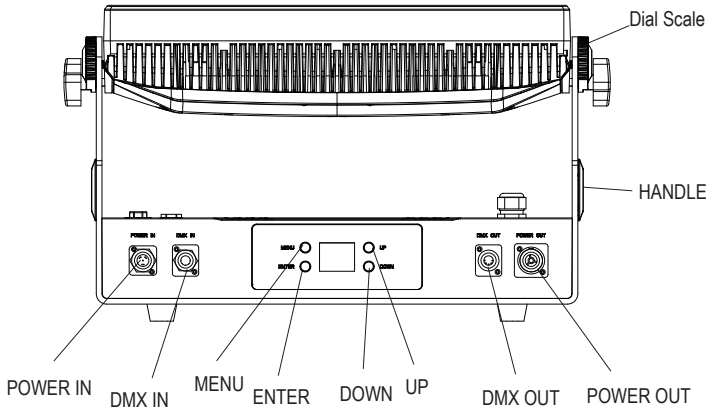


•Don't throw the unit into the garbage at the end of its lifetime.
• Make sure to dispose is according to your local ordinances and/or regulations, to avoid polluting the environment!
•The packaging is recyclable and can be disposed.

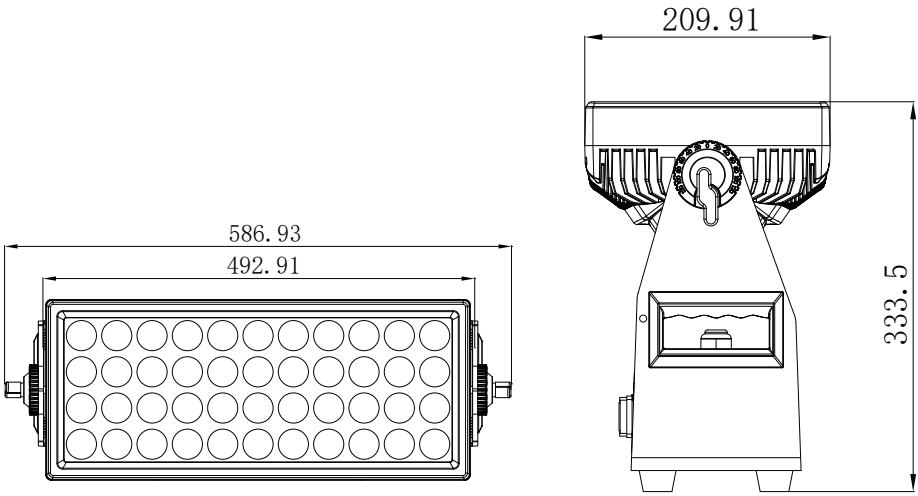


Product Overview





Mechanical Specification

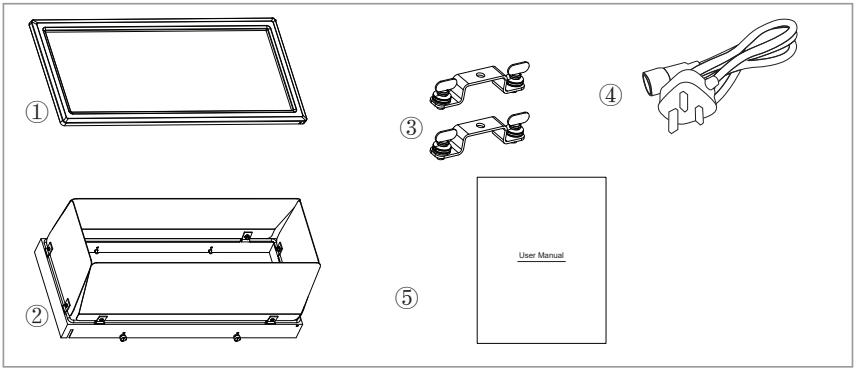


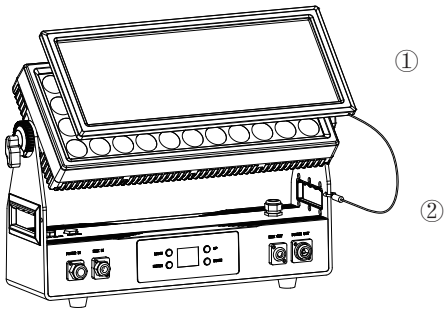
ACCESSORIES

① Magnetic frost filter (Optional 15°/40°/60x10°) x 1 ② Barndoor x 1

③ 1/4 turn fast lock x 2 ④ Power cable x 1

⑤ User manual x 1

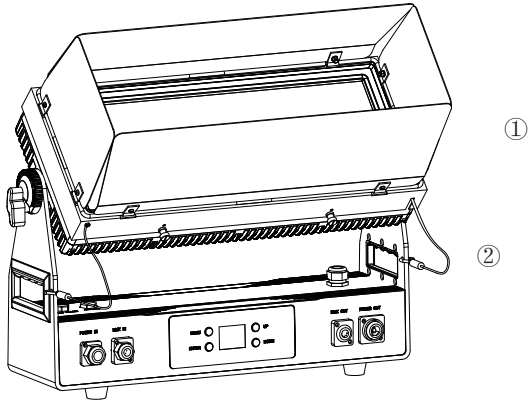




If you want to set up the magnetic frost filter,please follow the steps as below:

1. Please put the magnetic frost filter onto the top cover of the lights.Please don't worried about the filter will be fallen down,because the top cover and the filter are have magnets.

2. Please put the hook of the safety rope hangs on the hole of the handle of the light.Please make sure the safety rope on the side of the screen then the hook can be hung.

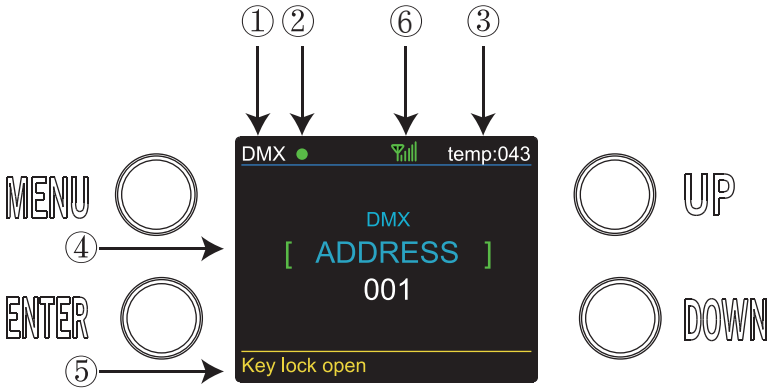


If you want to set up the barndoor,please follow the steps as below:

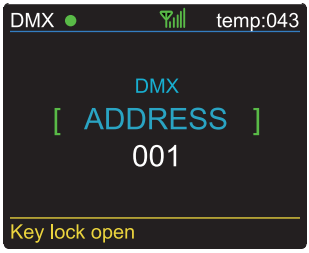
1. There are 4 holes on the top cover of the lights,please put the screws of the barndoor to connect these 4 holes then tighten them.

2. Please put the hooks of the two safety ropes hang on the holes of the handles of the light.Please make sure the safety rope on the side of the screen then the hook can be hung.

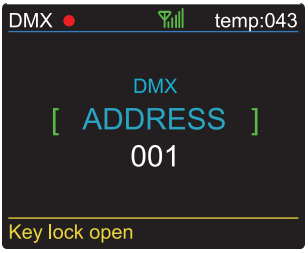
Displayer Introduction



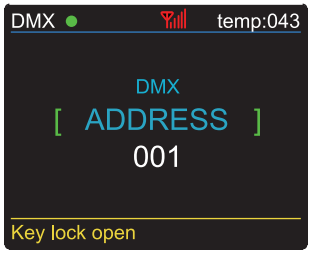
1. When you enter DMX Mode,it will be showed DMX,when you enter SLAVE Mode,it will be showed SLAVE.
2. This shows the condition of signal transmission. Green is connected.Red is disconnected.
3. This shows the temperature of the lights.
4. This shows the menus you can select.
5. This shows the condition of key lock. “Key lock open” means it is open and “Key lock off” means it is close.
6. This shows the condition of wireless signal. Green is connected.Red is disconnected.



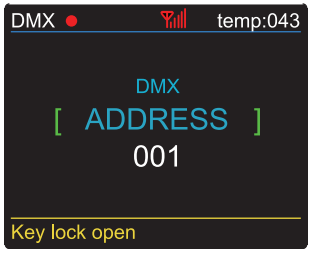
While DMX and Wireless signal are green,it means DMX Mode and Wireless are connected.



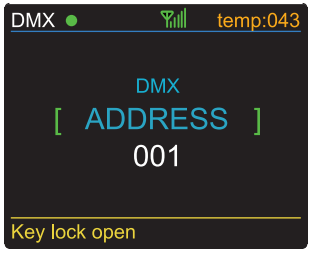
While DMX shows red but Wireless signal shows green,it means DMX Mode is disconnected and Wireless is connected.



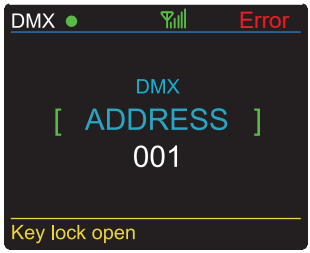
While DMX shows green but Wireless signal shows red,it means DMX Mode is connected and Wireless is disconnected.



While DMX and Wireless are show red,it means DMX Mode and Wireless are disconnected.



While the letters and number shows change from white to yellow,it means the temperature beyond max temperature of default settings.



While the letters and number shows Error,it means have some problems of temperature.

Features

OPTICALS

- Light Source: 44*20W, 4 in 1 RGBW LEDs
- Lens: 20° , 40°

ELECTRICAL

- Power consumption: 800W
- Voltage: 190-264V 50/60Hz

CONTROL

- DMX channels: 2, 3, 4, 9 & 12 CH
- Run Mode: DMX 512 /Master Slave/Auto Run
- Built-in Effect: color mixing, variable color chasing, strobing and fading.
- Maximum 66 ID setting for easy separately control
- Wireless DMX from Sweden

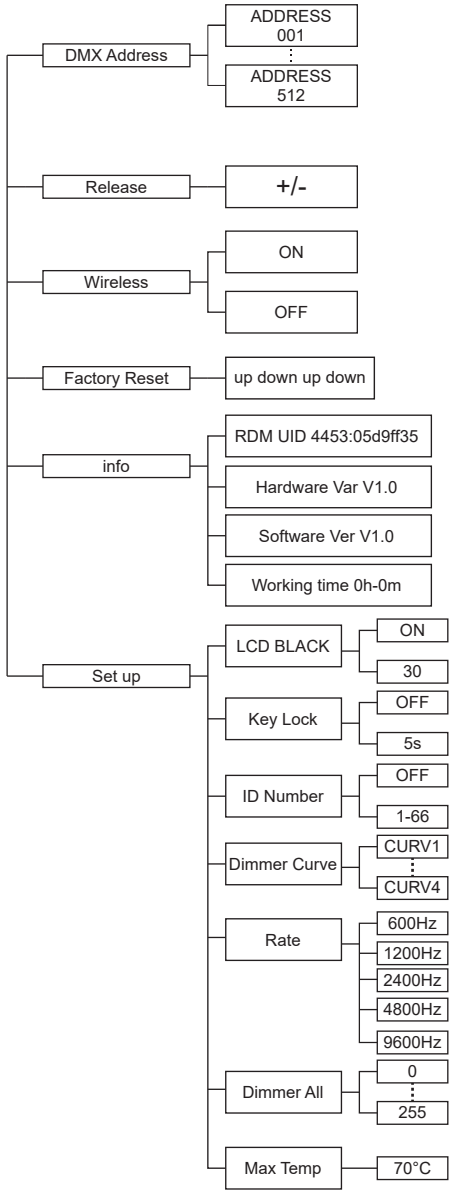
SOFTWARE

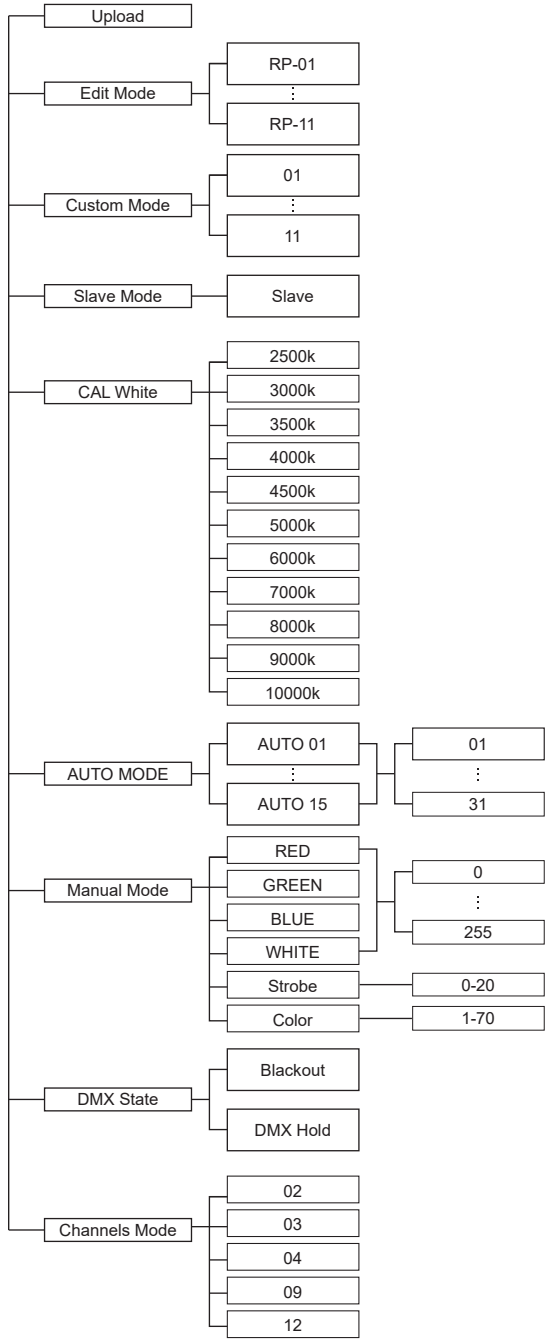
- 10 internal programs and 10 customerize programs
- 4 different dimming curve
- 11 internal programs and 11 customerize programs
- Smart temperature control
- Working time record

PHYSICAL

- Material: Aluminum body
- Painting: an-ti salt & an-ti UV
- TFT displayer with four buttons
- Key lock for buttons
- IP65
- Temperature: -40℃~50℃
- N.W: 14.4 KG
- G.W: 17.1 KG
- Dimensions: 575 x 210 x 334 mm

Programme Menu




Upload
Edit Mode
RP-01
RP-11
Custom Mode
01
11
Slave Mode
Slave
CAL White
2500k
3000k
3500k
4000k
4500k
5000k
6000k
7000k
8000k
9000k
10000k
AUTO MODE
AUTO 01
AUTO 15
01
31
Manual Mode
RED
GREEN
BLUE
WHITE
0
255
Strobe
0-20
Color
1-70
DMX State
Blackout
DMX Hold
Channels Mode
02
03
04
09
12

Operation

DMX Address and Channels Mode-In these menu,you can connect several pieces of lights with DMX cable and control them with control console.

1. Press “ENTER” and then press “UP” or “DOWN” to “DMX Address” or “Channels Mode” and press “ENTER”.

1) “XXX” will be showed in “DMX Address”, “XXX” means the Address 1-512. You can press “UP” or “DOWN” to select the address you desired.

2) “Channel [xx]” will be showed in “Channels Mode”, “XX” means 5 kinds of DMX Channels Modes. You can press “UP” or “DOWN” to select the Channel Mode you desired.

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

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

1. Press “ENTER” and then press “UP” or “DOWN” to “SET UP”.

2. Press “ENTER” and there has 7 options then press “ENTER” to select the options and press “UP” or “DOWN” to select the value you desired as below:

1.**LCD Black** - You can select “ON” or “30s” to make the display screen keep on all the time or turns black after 30s.

2.**Key Lock** - You can select “OFF” or “5s” to make the Key Lock turn off all the time or turns off after 5s.

3) **ID number** - You can select “1-66” to adjust the value of Channel 12 to the corresponding scope and control the lights individually with control console.If you don’t need this function you can select “OFF” to turn it off.

4.**Dimmer Curve** - It provides 4 kinds of dimmer curves for you choose.

5.**Rate** - it provides 5 kinds of refresh rates for your choose.

6.**Dimmer All** - You can adjust the brightness of colors.

4) **Max temp** - You can set the your desired Max working temperature of the light in this menu.When the working temperature beyond max temperature of default settings, the color of letter “Temp XX” will show the color from white to yellow.Meanwhile, the light will adjust the working temperature automatically.

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

1. Press “ENTER” and then press “UP” or “DOWN” to “INFORMATION”.

2. Press “ENTER” and select “RDM” , “Software” ,“Hardware” or “Fix times”.Then press “ENTER”,you can see 4 items as below:

1.RDM - It shows RDM information.

1) Hardware - It shows the Hardware information.

2) Software - It shows the Software information.

3) Working times - It shows the working hours of the light.

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

1. Press “ENTER” and then press “UP” or “DOWN” to “AUTO MODE”.

2. Press “ENTER” then “SPEED” or “AUTO MODE” is showed.Then press “ENTER” and you can see 2 items as below:

1) SPEED - It provides “01-31” for you choose.

2) AUTO MODE - It provides “AUTO 1- AUTO 15” for you choose.

CUSTOM MODE-In this menu,you can select the Pre- Programmed Modes which edited.

1. Press “ENTER” and then press “UP” or “DOWN” to “CUSTOMER MODE”.

2. Press “ENTER” and there are 11 pre-programmed modes edited for you choose.

CAL WHITE-In this menu,you can adjust the value of 11 different white colors.
1. Press “ENTER” and then press “UP” or “DOWN” to “CAL WHITE”.
2. Press “ENTER” and there are 11 pre-programmed White colors that can be edited by adjusting the value of “Red”, “Green”, “Blue” and “White”.

RELEASE-In this menu,you can clear the Wireless DMX signal.
1. Press “ENTER” and then press “UP” or “DOWN” to “RELEASE”.
2. Press “ENTER” and you can see “Release +/-”,then you can press “UP” or “DOWN” to clear the wireless DMX signal.

WIRELESS-In this menu,you can set the Wireless signal.
1. Press “ENTER” and then press “UP” or “DOWN” to “WIRELESS”.
2. Press “ENTER” and then select “ON” or “OFF” to set the Wireless signal.”ON” is turn on the signal and “OFF” is turn off the signal.

Manual MODE-In this menu,you can select red,green,blue,white,strobe and Color you desired.
1. Press “ENTER” and then press “UP” or “DOWN” to “MANUAL MODE”.
2. Press “ENTER” and there has 6 options then press “UP” or “DOWN” to select the value you desired as below:
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) STROBE - You can choose 20 kinds of strobe modes in this menu.
6) COLOR - You can choose 70 kinds of color modes in this menu.

DMX STATE-In this menu,you can select the DMX signal you desired.
1. Press “ENTER” and then press “UP” or “DOWN” to “DMX STATE”.
2. Press “ENTER” and you can select “BLACKOUT” or “DMX HOLD”.”BLACKOUT” means cut off the DMX signal and “DMX HOLD” means connect DMX signal.

EDIT MODE-In this menu, you can edit your desired AUTO program.
1. Press “ENTER” and then press “UP” or “DOWN” to “EDIT”.
2. Press “ENTER” and open the “EDIT” to edit the custom programs from“PR.01” to “PR.11”.And there are 32 scenes that can be edited in each custom program.
3. You can edit a scene by adjusting the value of “RED (0~255)”, “GREEN (0~255)”, “BLUE (0~255)”, “WHITE (0~255)”, “FADE (0~30)”, “FLASH(0~30)”, “STROBE (0~30)” and “TIME (0~30)” as you like. Then the data will be saved when you pressed “ENTER” after 5s.

UPLOAD-In this menu,you can connect several pieces of lights with MAX cables and set one light as the MASTER and others in SLAVE mode.Then upload the custom program in the MASTER light to the lights in SLAVE mode.
1. Press “ENTER” and then press “UP” or “DOWN” to “UPLOAD”.
2. Press “ENTER” to upload the custom programs from the MASTER ones to the SLAVE ones.

FACTORY RESET-In this menu, you can reset all the value of the system.
1. Press “ENTER” and then press “UP” or “DOWN” to “RESET”.
2. Press “ENTER” to reset all the values of the system.

DMX control mode

DMX 2 channel

channel	value	function
1	0 - 7	none
	8 - 9	red
	10 - 12	green
	13 - 15	blue
	16 - 18	white
	19 - 21	amber
	22 - 24	magenta
	25 - 27	pink
	28 - 30	cyan
	31 - 33	amber
	34 - 36	light pink
	37 - 39	violet
	40 - 42	aquamarine
	43 - 45	sky blue
	46 - 54	full white
	55 - 57	cool white
	58 - 60	warm white
	61 - 63	white 3200K
	64 - 66	white 2500K
	67 - 69	amber
	70 - 72	light rose
	73 - 75	dark pink
	76 - 78	magenta 2
	79 - 81	sky blue 2
	82 - 84	med blue green
	85 - 87	dark green
	88 - 90	bright pink
	91 - 93	medium blue
	94 - 96	golden amber
	97 - 99	deep golden amber
	100 - 102	pale lavender
	103 - 105	apricot
	106 - 108	dark lavender
	109 - 111	chocolate
	112 - 114	just blue
	115 - 117	surprise pink
	118 - 120	scarlet
	121 - 123	surprise peach
	124 - 126	maple red
	127 - 129	English rose
	130 - 132	mauve
	133 -135	bright blue

channel	value	function
	136 - 138	alice blue
	139 - 141	rose indigo
	142 - 144	urban blue
	145 - 147	cool blue
	148 - 150	light pink
	151 - 153	purple pink
	154 - 156	cherry rose
	157 - 159	flesh pink
	160 - 162	Skelton Exotic Sangria
	163 - 165	pink mauve
	166 - 168	full white
	169 - 171	amber 2
	172 - 174	light pink
	175 - 177	hyacinthine
	178 - 180	deep blue
	181 - 183	light lake blue
	184 - 186	gem blue
	187 - 189	light gem blue
	190 - 192	opal green
	193 - 195	spring green
	196 - 198	turquoise
	199 - 201	fishbelly white
	202 - 204	palace green
	205 - 213	green cicada
	214 - 216	deep grayish
	217 - 219	pink green
	220 - 255	grass green
2	0 - 23	White 1
	24 - 47	White 2
	48 - 71	White 3
	72 - 95	White 4
	96 - 119	White 5
	120 - 143	White 6
	144 - 168	White 7
	169 - 191	White 8
	192 - 215	White 9
	216 - 225	White 10
	226 - 255	White 11

DMX 3 channel

channel	value	function
1	0 - 255	Hue
2	0 - 255	Saturation
3	0 - 255	Value(brightness)

DMX 4 channel

channel	value	function
1	0 - 255	Adjust red LEDs Dimmer from low to high
2	0 - 255	Adjust green LEDs Dimmer from low to high
3	0 - 255	Adjust blue LEDs Dimmer from low to high
4	0 - 255	Adjust white LEDs Dimmer from low to high

DMX 9 channel

channel	value	function
1	0 - 255	Master Dimmer
2	0 - 9	OFF
	10 - 255	Strobe from slow to fast
3	0 - 255	Red
4	0 - 255	Green
5	0 - 255	Blue
6	0 - 255	White
7	0 - 255	dimmer speed
8	0 - 7	OFF
	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 - 255	AUTO 11
9	0 - 255	Speed from slow to fast

DMX 12 channel

channel	value	function
1	0 - 255	Master Dimmer
2	0 - 9	OFF
	10 - 255	Strobe from slow to fast
3	0 - 255	Red
4	0 - 255	Green
5	0 - 255	Blue
6	0 - 255	White
7	0 - 255	dimmer speed
8	0 - 10	none
	11 - 16	light white
	17 - 23	none
	24 - 27	red
	28 - 31	green
	32 - 35	blue
	36 - 39	yellow
	40 - 43	cyan
	44 - 47	magenta
	48 - 51	white
	52 - 55	orange
	56 - 59	pink
	60 - 63	violet
	64 - 67	aquamarine
	68 - 71	sky blue
	72 - 75	full white
	76 - 79	cool white
	80 - 83	warm white
	84 - 87	white 3200
	88 - 91	white 2500
	92 - 95	yellow 2
	96 - 99	straw
	100 - 103	orange 2
	104 - 107	light rose
	108 - 111	dark pink
	112 - 115	magenta 2
	116 - 119	blue 2
	120 - 123	med blue green
	124 - 127	dark blue
	128 - 131	bright pink
	132 - 135	medium blue
	136 - 139	golden amber
	140 - 143	deep golden amber
	144 - 147	pale lavender
	148 - 151	apricot
	152 - 155	dark lavender

channel	value	function
8	156 - 159	chocolate
	160 - 163	just blue
	164 - 167	surprise pink
	168 - 171	scarlet
	172 - 175	surprise peach
	176 - 179	fire
	180 - 183	english rose
	184 - 187	mauve
	188 - 191	bright blue
	192 - 195	alice blue
	196 - 199	rose indigo
	200 - 203	urban blue
	204 - 207	cool blue
	208 - 211	Light salmon
	212 - 215	mayan sun
	216 - 219	cherry rose
	220 - 222	flesh pink
	223 - 255	skelton exotic sangria
9	0 - 23	White 1
	24 - 47	White 2
	48 - 71	White 3
	72 - 95	White 4
	96 - 119	White 5
	120 - 143	White 6
	144 - 168	White 7
	169 - 191	White 8
	192 - 215	White 9
	216 - 225	White 10
	226 - 255	White 11
10	0 - 7	OFF
	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 - 255	AUTO 11
11	0 - 255	Speed from slow to fast
12	0 - 255	Id address set

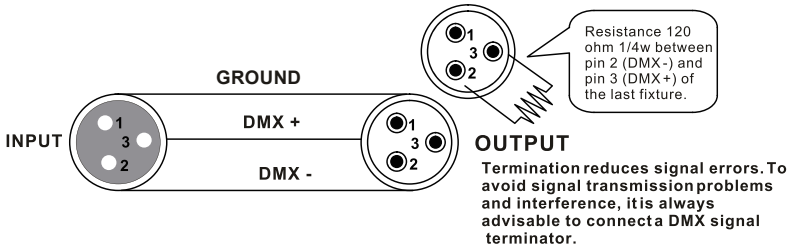
Channel 12 (Id address set)

0--9	all Ids	170--179	Id17	223	Id34	240	Id51
10--19	Id1	180--189	Id18	224	Id35	241	Id52
20--29	Id2	190--199	Id19	225	Id36	242	Id53
30--39	Id3	200--209	Id20	226	Id37	243	Id54
40--49	Id4	210	Id21	227	Id38	244	Id55
50--59	Id5	211	Id22	228	Id39	245	Id56
60--69	Id6	212	Id23	229	Id40	246	Id57
70--79	Id7	213	Id24	230	Id41	247	Id58
80--89	Id8	214	Id25	231	Id42	248	Id59
90--99	Id9	215	Id26	232	Id43	249	Id60
100--109	Id10	216	Id27	233	Id44	250	Id61
110--119	Id11	217	Id28	234	Id45	251	Id62
120--129	Id12	218	Id29	235	Id46	252	Id63
130--139	Id13	219	Id30	236	Id47	253	Id64
140--149	Id14	220	Id31	237	Id48	254	Id65
150--159	Id15	221	Id32	238	Id49	255	Id66
160--169	Id16	222	Id33	239	Id50		

CABLE CONNECTORS

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

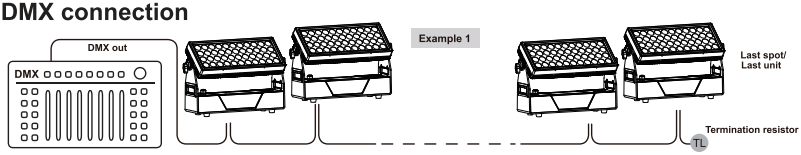
Please note if you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

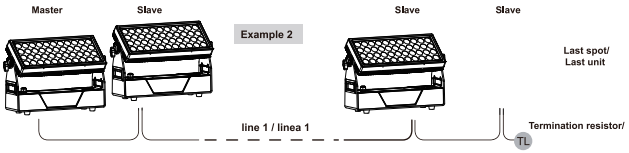
Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

Connection

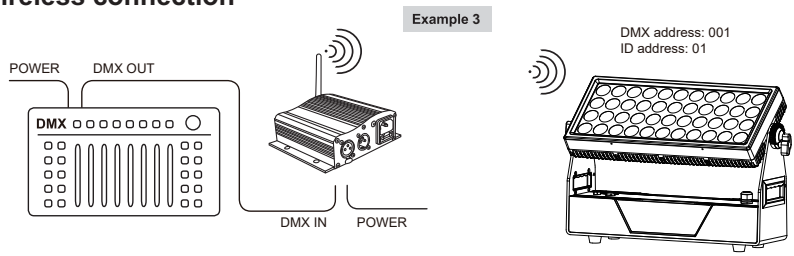
DMX connection



Master / Slave connection



Wireless connection



Connection

Press “ENTER” and then press “UP” or “DOWN” to “SET UP” .

Press “ENTER” and then press “UP” or “DOWN” to “Wireless rel” is displayed, press “ENTER”.Then press “DMX Mode” is ok.

Then, until Green wireless signal is showed. Then Wireless DMX connected success.

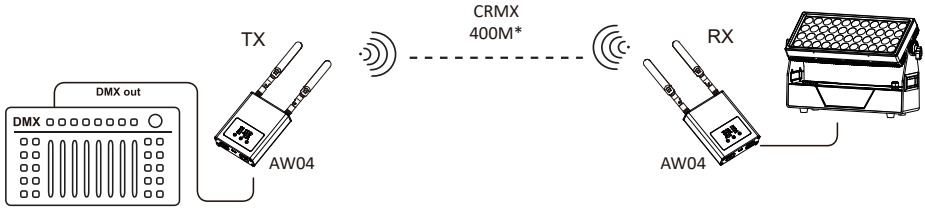
About the condition of wireless signal, green means the setting is successful,red means the signal is unsuccessful.

Release wireless DMX signal

Press “ENTER” and then press “UP” or “DOWN” to “Wireless rel”.

Press “ENTER” and then press “UP” or “DOWN” to “Release +/-”,and then long press “UP” or “DOWN” about 5-6 seconds. Until “clear is success” is showed. It means release signal successfully.

Long-distance Control



**Signal reaches up to 400 / 200 meters in open outdoor areas.*

RDM---Remote Device Management

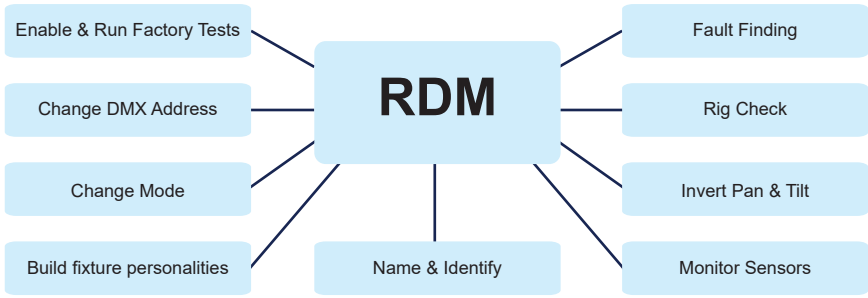
RDM is a wild version of the DMX512-A protocol, allowing dimming stations and other control devices to be discovered through a DMX512 network, and then configuring, status monitoring, and managing intermediate and line end devices.

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 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**.

www.cyclopslighting.com