

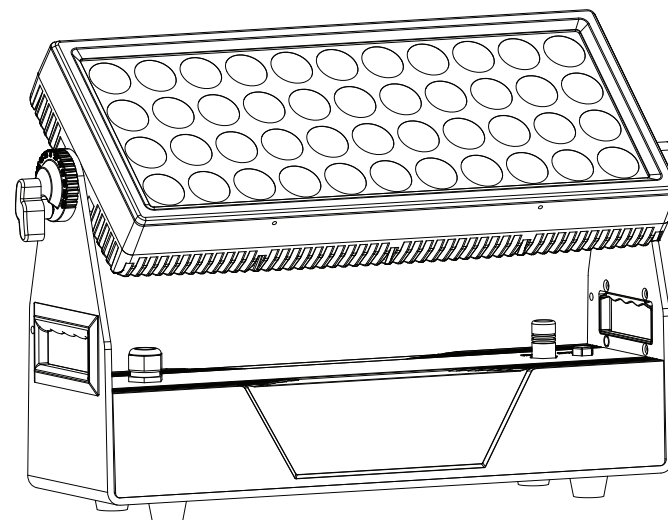


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IRIDIUM

LED WASH Pro 44WS
APP 44X20W RGBW



CODE 108797

Safety Introduction

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 °C



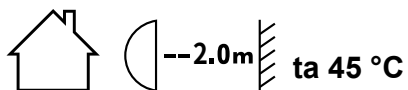
- The exterior surfaces of the light can become hot, up to 55°C during normal operation.
- Ensure that accidental physical contact with the device is impossible.
- Install only in ventilated locations.
- Do not cover the light.



- 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.



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.

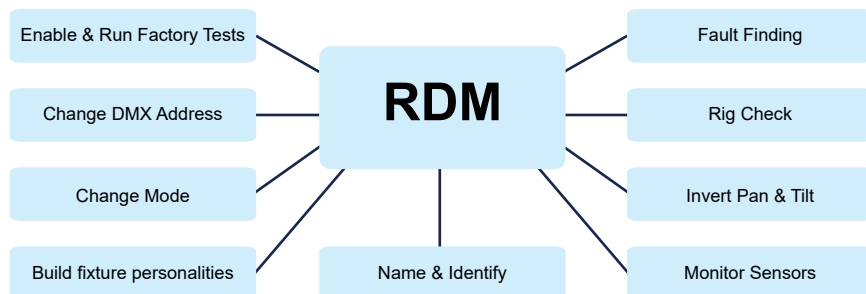
It allows two-way communication between the lighting device or system controller and the connected RDM compatible device through the standard DMX. This protocol will allow these devices to be configured, monitored, and managed in a manner that does not interfere with the normal operation of standard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

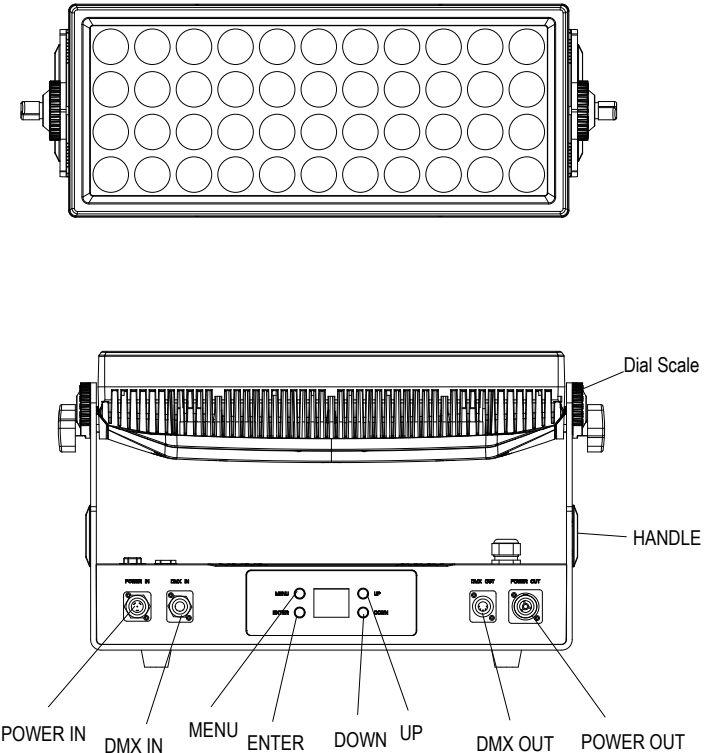
The RDM information is transmitted through the first pair of DMX512 data channels. RDM uses packets that include non-zero initial codes to start and control communications. This alternating(rotating) session and waiting for indicative responses is performed in a semi-duplex format. The second data pair 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.

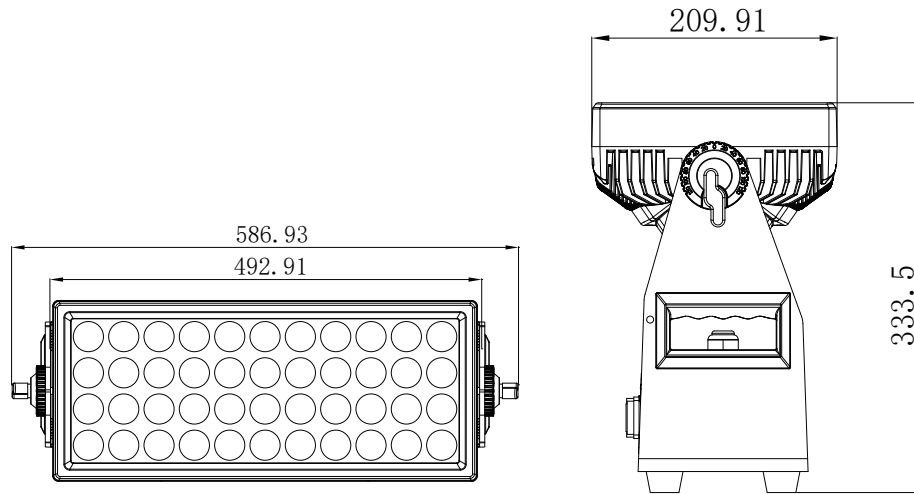
Its functions are as followed:



Product Overview

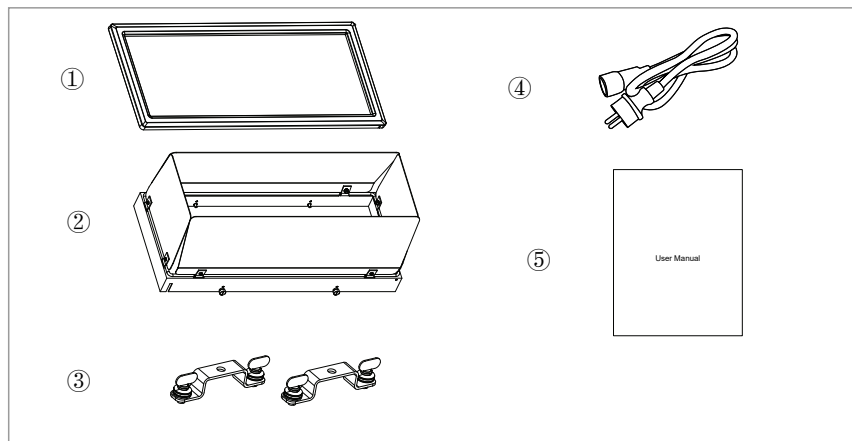


Mechanical Specification



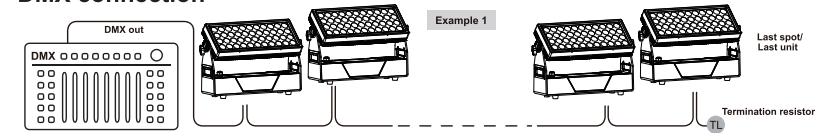
Accessory

- ① Magnetic frost filter (40° / 60 x 10°) x 1(Optional)
- ② Barndoor x 1 (Optional)
- ③ 1/4 turn fast lock x 2 (Optional)
- ④ Power cable x 1
- ⑤ User manual x 1

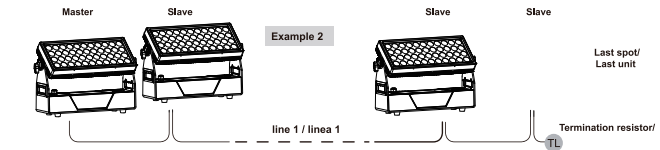


Connection

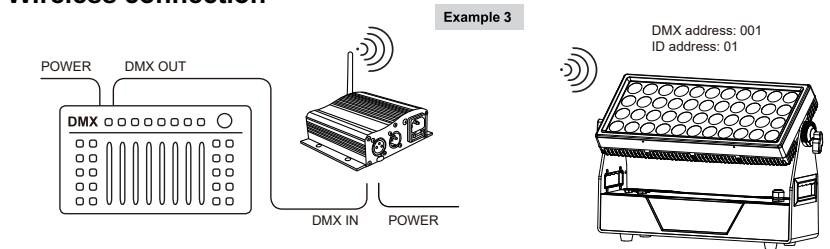
DMX connection



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

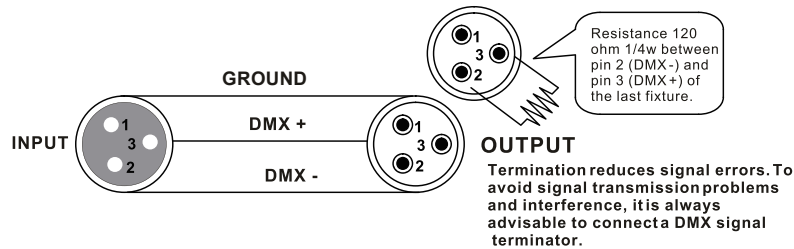
Press “ENTER” and then press “UP” or “DOWN” to “Wireless rel”.

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.

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



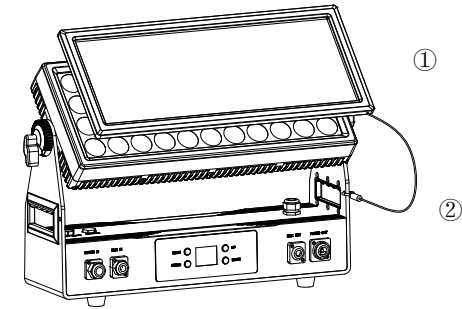
Caution: Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each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

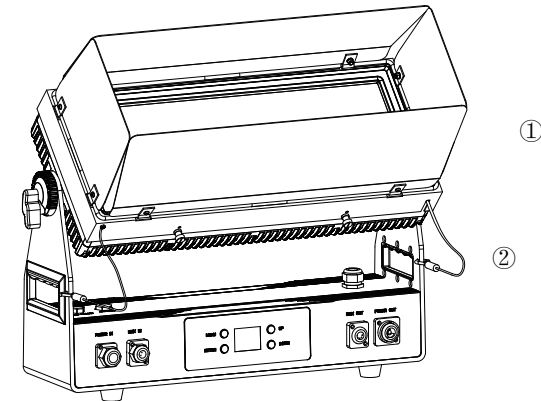
3-PIN TO 5-PIN CONVERSION CHART

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



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

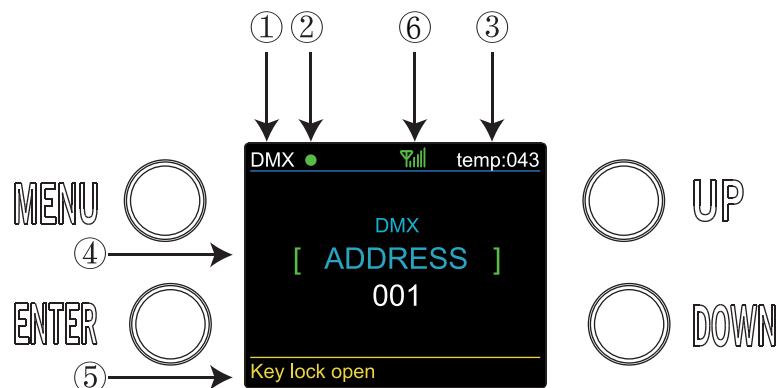
1. Please put the magnetic frost filter onto the top cover of the lights. Please don't worry about the filter will be fallen down, because the top cover and the filter are have magnets.
2. Please put the hook of the safety rope hangs on the hole of the handle of the light. Please make sure the safety rope on the side of the screen then the hook can be hung.



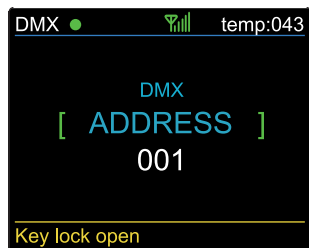
If you want to set up the barndoor, please follow the steps as below:

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.

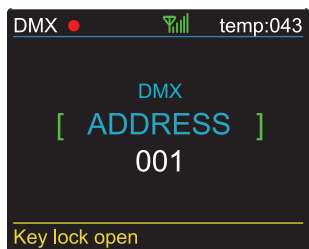
Displayer Introduction



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.

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		

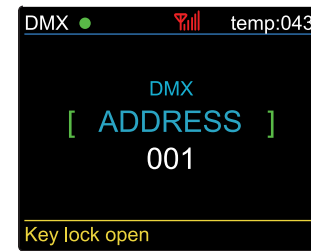
RDM

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

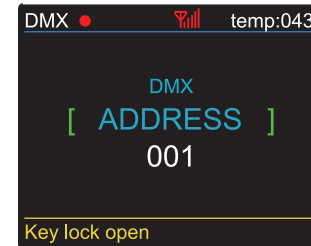
"v"-executable command; "x"-to-be-updated command

CCT sheet		
1	23	2500k
24	47	3000K
48	71	3500K
72	95	4000K
96	119	4500K
120	143	5000K
144	167	6000K
168	191	7000K
192	215	8000K
216	239	9000K
240	255	10000K

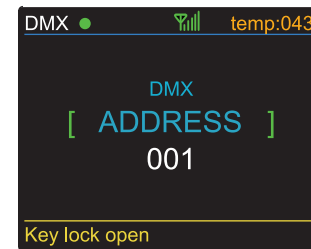
AUTO sheet		
8	23	atuo1
24	39	atuo2
40	55	atuo3
56	71	atuo4
72	87	atuo5
88	103	atuo6
104	119	atuo7
120	135	atuo8
136	151	atuo9
152	167	atuo10
168	183	atuo11
184	199	atuo12
200	215	atuo13
216	231	atuo14
232	255	atuo15



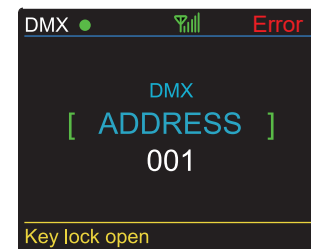
While DMX shows green but Wireless signal shows red,it means DMX Mode is connected and Wireless is disconnected.



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

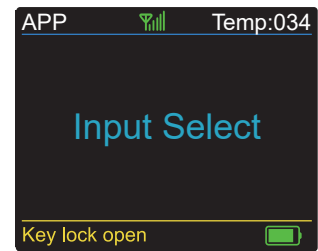


While the letters and number shows change from white to yellow,it means the temperature beyond max temperature of default settings.

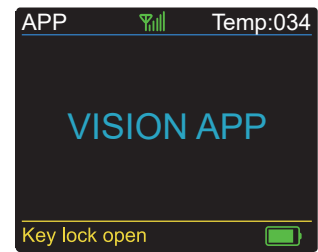


While the letters and number shows Error,it means have some problems of temperature.

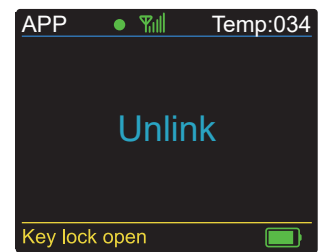
APP Control operating method



When the lamp is turned on, press the up or down button, find the Input Select option, and click enter



Click Enter to enter the VISION APP interface, and then click Enter



Click Enter to enter the Unlink interface, and then click Enter

DMX Sheet

COLOR sheet					
24	27	color 1	124	127	color 26
28	31	color 2	128	131	color 27
32	35	color 3	132	135	color 28
36	39	color 4	136	139	color 29
40	43	color 5	140	143	color 30
44	47	color 6	144	147	color 31
48	51	color 7	148	151	color 32
52	55	color 8	152	155	color 33
56	59	color 9	156	159	color 34
60	63	color 10	160	163	color 35
64	67	color 11	164	167	color 36
68	71	color 12	168	171	color 37
72	75	color 13	172	175	color 38
76	79	color 14	176	179	color 39
80	83	color 15	180	183	color 40
84	87	color 16	184	187	color 41
88	91	color 17	188	191	color 42
92	95	color 18	192	195	color 43
96	99	color 19	196	199	color 44
100	103	color 20	200	203	color 45
104	107	color 21	204	207	color 46
108	111	color 22	208	211	color 47
112	115	color 23	212	215	color 48
116	119	color 24	216	219	color 49
120	123	color 25	220	222	color 50
			223	255	color 51

MODE 12 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Strobe
3	000 - 255	Red
4	000 - 255	Green
5	000 - 255	Blue
6	000 - 255	White
7	000 - 255	Dimmer Speed
8	000 - 255	Color
9	000 - 255	CCT
10	000 - 255	Auto 1-15
11	000 - 255	Auto speed
12	000 - 255	Id address set

App Download

Turn on the scanning function of the phone and scan the corresponding QR code to download the Vision control APP for use.



App Store

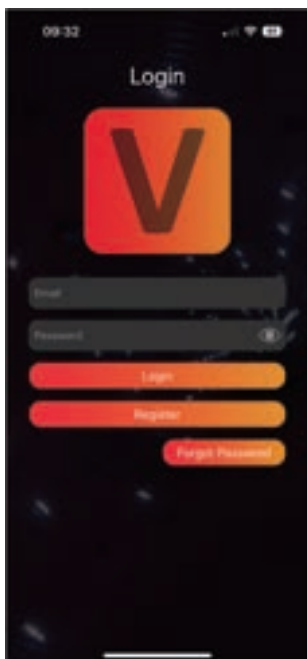


Google Play

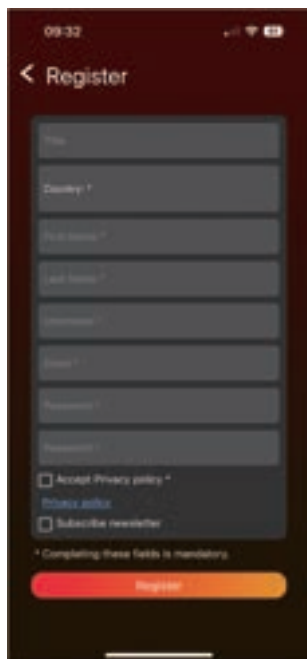


Microsoft





1. Log into the Google play store on your phone, search for Vision Control, and click Download to install.
2. Click the Vision APP to enter the login screen.



3. Click the Register button to enter the registration screen
 - 1) Fill in all the contents on the registration page and click the registration button to submit information.
 - 2) Then check your email for confirmation.
 - 3) Click on the confirmation link provided in the email. After clicking the confirmation link, a success message will be displayed on the website. If you click the link a second time, an error message may appear; you can safely ignore it, as the confirmation was successful the first time.
 - 4) Return to the Vision App and use your registered email and password to log in.
- Note: For security reasons, it is recommended to keep your login credentials confidential.

DMX control mode

MODE 2 CHANNELS		
Channel	Value	Function
1	000 - 255	Color
2	000 - 255	CCT

MODE 3 CHANNELS		
Channel	Value	Function
1	000 - 255	HUE
2	000 - 255	Saturation
3	000 - 255	Brightness

MODE 4 CHANNELS		
Channel	Value	Function
1	000 - 255	Red
2	000 - 255	Green
3	000 - 255	Blue
4	000 - 255	WHITE

MODE 9 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Strobe
3	000 - 255	Red
4	000 - 255	Green
5	000 - 255	Blue
6	000 - 255	White
7	000 - 255	Dimmer Speed
8	000 - 255	Auto 1-15
9	000 - 255	Auto speed

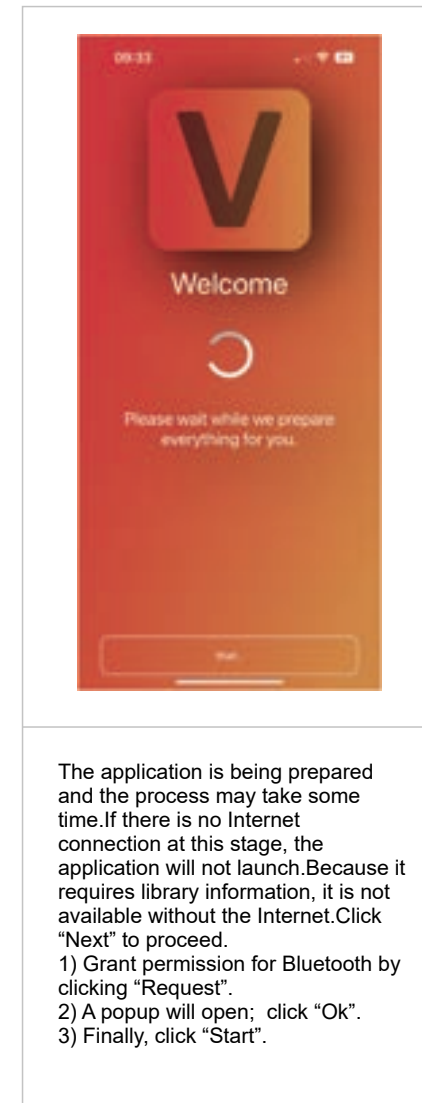
1. Press "ENTER" and then press "UP" or "DOWN" to "EDIT".
2. Press "ENTER" and open the "EDIT" to edit the custom programs from "PR.01" to "PR.11". And there are 32 scenes that can be edited in each custom program.
3. You can edit a scene by adjusting the value of "RED (0~255)", "GREEN (0~255)", "BLUE (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.

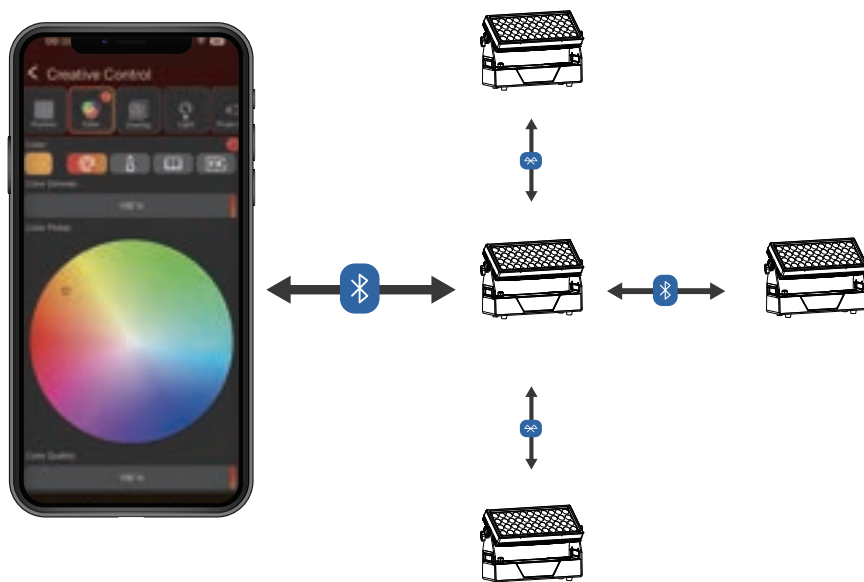
1. Press "ENTER" and then press "UP" or "DOWN" to "UPLOAD".
2. Press "ENTER" to upload the custom programs from the MASTER ones to the SLAVE ones.

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.



Mesh Networking



EASY INTERACTION WITH YOUR FIXTURE:

NFC support included

EFFORLESS FIXTURE SETUP PROCESS:

No knowledge of DMX/RDM required

LARGE EFFECT TEMPLATE LIBRARY:

Smooth background-Fast party effects

CONNECT TO YOUR NETWORK:

No separate gateway required

FIXTURE TO FIXTURE COMMUNICATION:

Creating a powerful and robust network without range limitations

SYNCHRONIZED & FIXTURE TO FIXTURE EFFECTS:

Seamless Transition

REAL TIME CONTROL:

Control your fixtures without delay

ACCESSIBILITY FROM ANYWHERE:

Cloud synchronization for app & Fixture data

- 5) Rate-You can choose the refresh frequency you want.
- 6) Dimmer Curve-You can choose the dimmer curve you want.
- 7) ID number- You can select an ID Number in this menu.Then, you can adjust the value of channel 12 to the corresponding scope and control the light individually with control console.
- 8) White Balance - You can adjust the brightness of each color.
- 9)Factory Reset-In this menu,you can reset all the value of the system.

Info-In this menu, you can learn about the information of software, hardware,RDM UID, current time,serial number and the working time 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 UID","current time","serial number","product ID" and the "working time" of the light will be showed. Then press ENTER, and you can see seven items as below:

- 1) Software-This item displays the Software information.
- 2) Hardware-This item displays the Hardware information.
- 3) RDM UID- This item displays the RDM information about the light.
- 4) Current time - This item displays the current time about the light.
- 5) Working time-This item displays the working hours about the light.
- 6) Serial number- This item displays the Serial number about the light.
- 7) Product ID - This item displays the product ID about 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.

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.

EDIT MODE-In this menu, you can edit your desired AUTO program.

Operation

Input Select-In this menu,there are DMX Mode, Slave mode and APP control Mode for you to choose.

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

1) "Channel [xx]" will be showed, "X" represents the showed DMX channel mode. You can press the UP or DOWN button to select your desired Channel mode.

2)"xxx" will be showed, "x" represents the showed address. You can press the UP or DOWN button to select your desired address.

3) DMX STATE-In this menu,you can choose the DMX signal you desired. Press "ENTER" and you can choose "BLACKOUT" or "DMX HOLD";"BLACKOUT" means cut off the DMX signal and "DMX HOLD" means connect DMX signal.

2. 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.

3. Vision APP-In this menu, you can use APP control function via a Bluetooth connection to your phone.

1) Press "ENTER" button and then UP or DOWN button until "Vision APP" is showed.

2) Press "ENTER" button, and "unlink" will be showed.Then will showed confirm after click enter and click enter again.

3) Press "up or down" button, and the APP connection status and signal status will be displayed.

Manual mode

Manual mode-In this menu, you can adjust the value of color ,CTO and strobe speed as you like.

1.Press "ENTER" button and then UP or DOWN button until "Manual mode" is showed.

2.Press "ENTER" button, and there are ten options. Then press ENTER to select the option and press UP or DOWN button to select the value you desire 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)COLOR-You can select 50 static color in this menu.

6)CTO - You can adjust the CTO in this menu.

7)STROBE-You can adjust the strobe speed in this menu.

8)Dimmer-You can adjust the brightness of color in this menu.

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

1.Press "ENTER" button and then UP or DOWN button until "SET UP" is showed.

2.Press "ENTER" button, and there will be thirteen options. Then,press ENTER to select the option and press UP or DOWN button to select the value you desire as below.

1) Key locks -You can select whether the password is on or off in this menu, and the password is [UP] +[DOWN] + [UP] + [DOWN] + .If you select "5S",then you have to input the password after 5S. Otherwise,the light won't respond to your order.

2) LCD Black- In this item,you can select "ON" or "30S".If you select ON,the displayer will be on all the time.And if you select 30S,the displayer will extinguish about 30s later.

3) 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.

4) Dimmer ALL-You can adjust the brightness of color in this menu.

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 (optional CRMX)
- APP control

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℃~45℃
- N.W: 13.5 KG
- G.W: 17.5 KG
- Dimensions: 575 x 210 x 334 mm

Programme Menu

