

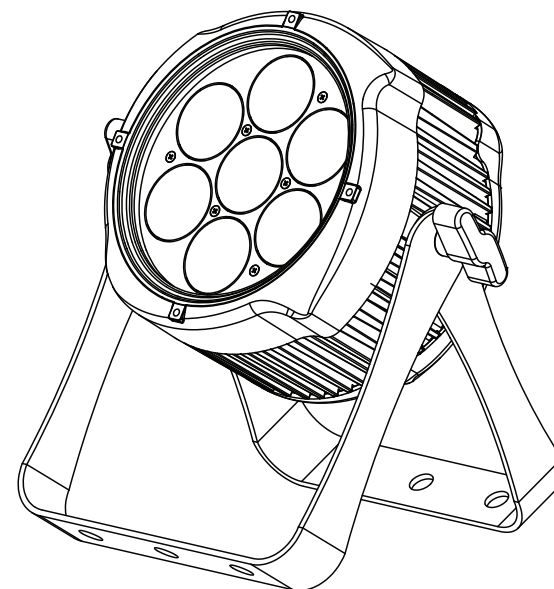


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IRIDIUM

ARC PAR 720 PRO
APP RGBLAC IP65



CODE 108799

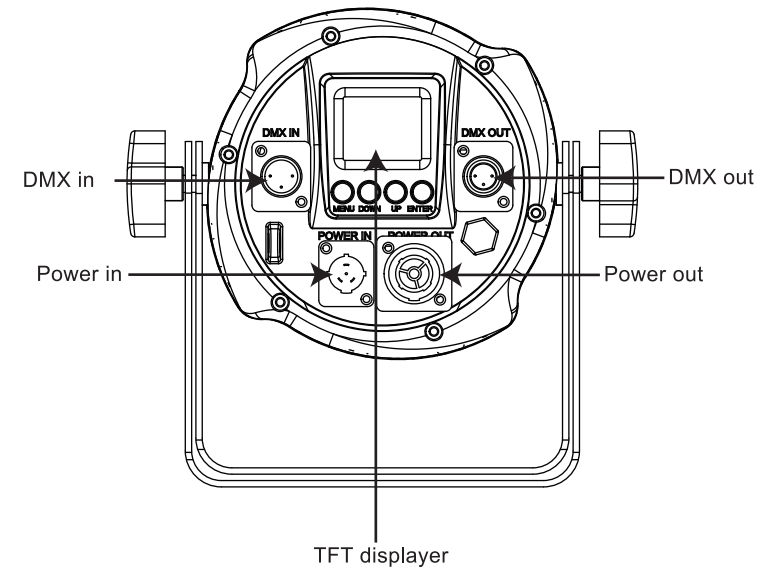
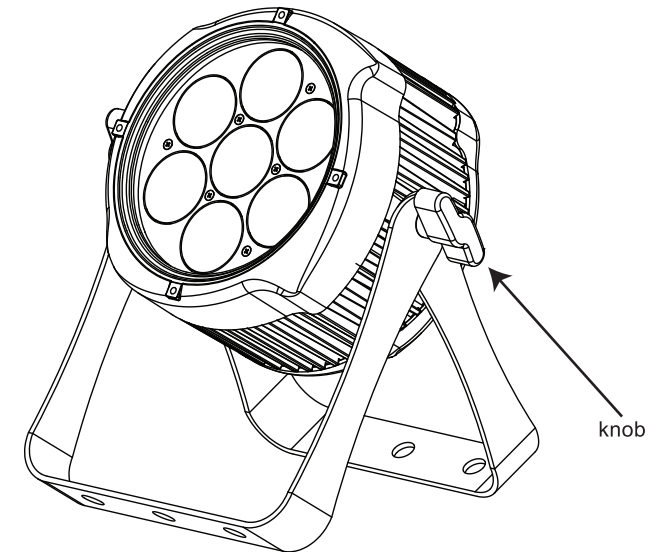
Mechanical Specification

Packaging: Thanks for your purchasing the ARC PAR 720 PRO APP. All the lights have been checked and are in excellent operating condition. Please check the shipping carton first, because there may be damage occurred during the shipment. Then check the lights carefully and be sure that the lights 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 lights to the dealer before contacting us.

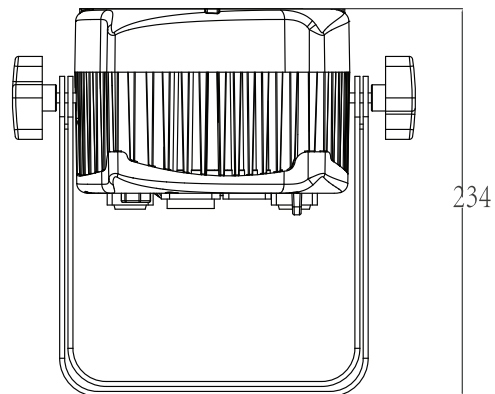
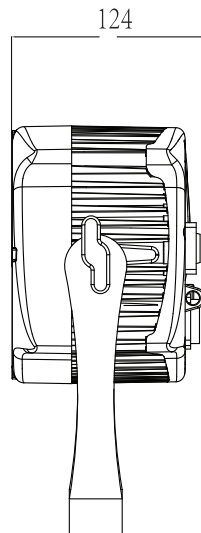
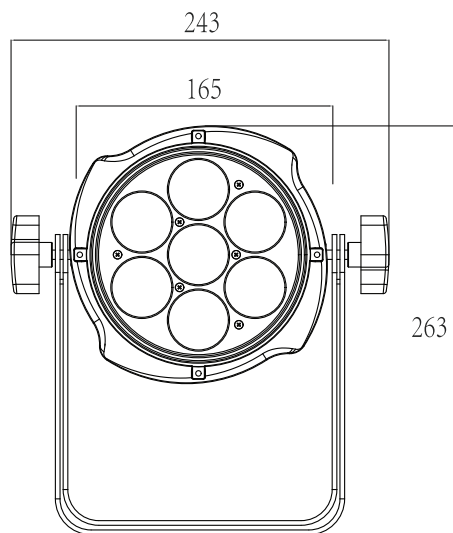
Introduction: The ARC PAR 720 PRO APP has three operating modes: DMX mode, Auto mode and Master/Slave mode. And the lights has five DMX modes, including channel 3, channel 6, channel 8 and channel 12. There are twenty-one built-in Auto programs and you can see twenty-one kinds of shows when you open the Auto mode. Meanwhile, you can edit your desired Auto program in "EDIT" menu. In addition, you can connect several pieces of lights in DMX mode and set one in Auto mode, and the others in Master/Slave mode. And 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. Don't expose the lights to rain or moisture, 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.



Product Overview



Features

OPTICS

- Light Source: 7*20W, 6 in 1 RGB+Lime+Amber+Cyan LEDs
- Lens: 25°

ELECTRICAL

- Power consumption: 90W
- Power linkable: 20pcs @230V;10pcs @110V
- Voltage: 100V - 240V, 50/60Hz

CONTROL

- DMX channels: 3, 6, 8 & 12CH
- Run Mode: DMX 512 /Master Slave/Auto Run
- Built-in Effect: color mixing, variable color chasing, strobing and fading.
- Maximum 66 ID setng for easy separately control
- APP CONTROL

SOFTWARE

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

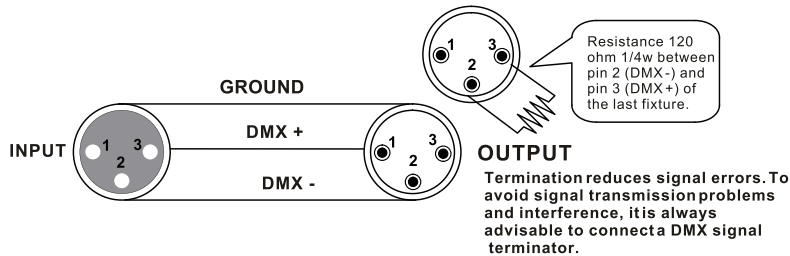
PHYSICAL

- Material: Aluminum body
- TFT displayer with four buttons
- Key lock for buttons
- IP65
- Temperature: -30℃~45℃
- N.W: 3.4 KG
- G.W: 4.3 KG
- Dimensions: 243 x 124 x 263 mm

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.

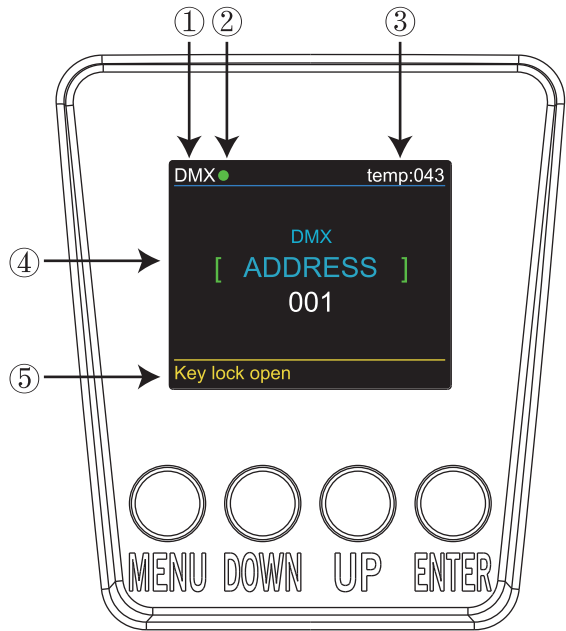
3-PIN TO 5-PIN CONVERSION CHART

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

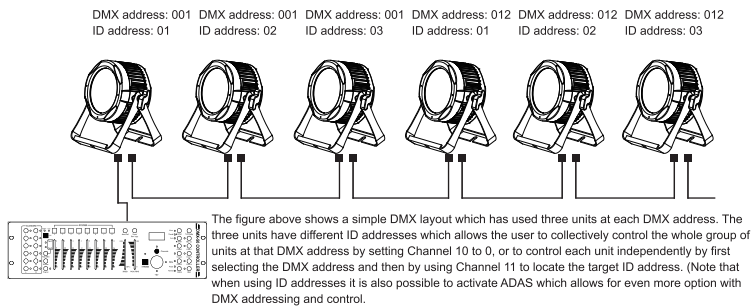
Displayer introduction



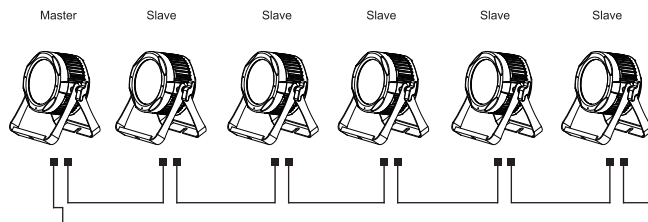
1. DMX means the light is in the DMX mode. Similarly, SLAVE means the light is in the SLAVE mode.
2. The color of the point shows the condition of signal transmission. Green represents the good condition, while red represents the signal is interrupted.
3. The item shows the working temperature of the 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.

DMX-512 addressing with ID address

1. Follow instructions 1 for DMX 512 addressing.
 2. Activate ID addressing in each fixture by setting panel function "ID ON/OFF" to ON.
- "Settings" to "ID ON/OFF" to "ON" For every DMX 512 starting address the user can set 66 separate ID addresses. Set ID addresses in each fixture by setting panel function " ID address" to incremental values.(I.e. 1, 12, 24, 36 etc...) "Settings" to "address" to "01~66".

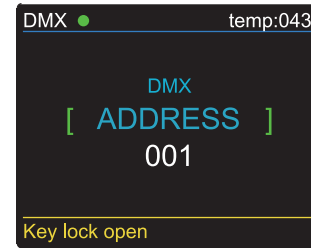


UPLOAD

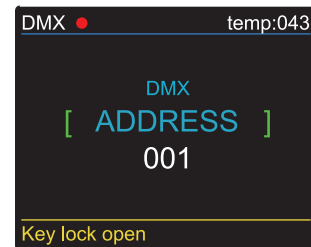


First,set one light, which involves the program you have edited in EDIT menu and want to upload, in Master mode,and others in Slave mode.

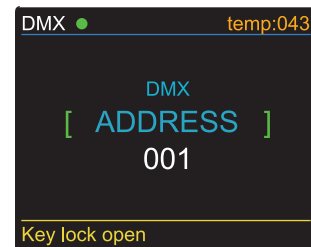
Then,connect all the lights with DMX cables.Finally,select the UPLOAD menu of the Master light and press ENTER.All the programs edited in the Master light will be uploaded to the Slave lights.



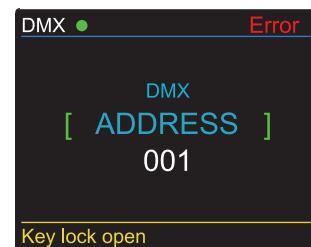
While DMX and Wireless signal are green,it means DMX Mode and Wireless are connected.



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

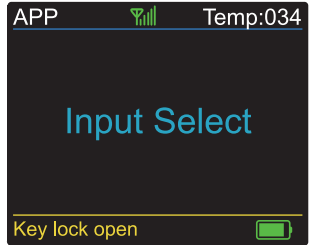


While the letters and number shows change from white to yellow,it means the temperature beyond max temperature of default settings.

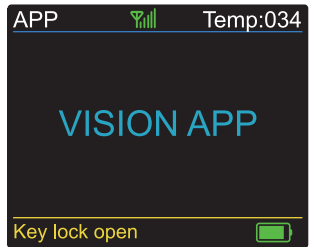


While the letters and number shows Error,it means have some problems of temperature.

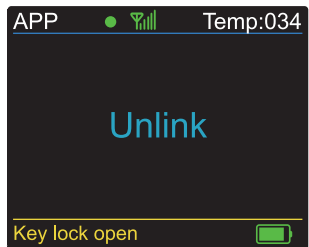
APP Control operating method



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

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	√		
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		√	√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√

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

9	168-171	color 37
	172-175	color 38
	176-179	color 39
	180-183	color 40
	184-187	color 41
	188-191	color 42
	192-195	color 43
	196-199	color 44
	200-203	color 45
	204-207	color 46
	208-211	color 47
	212-215	color 48
	216-219	color 49
	220-255	color 50
10	1-8	no function
	8-23	auto 1
	24-39	auto 2
	40-55	auto 3
	56-71	auto 4
	72-87	auto 5
	88-103	auto 6
	104-119	auto 7
	120-135	auto 8
	136-151	auto 9
	152-167	auto 10
	168-183	auto 11
	184-199	auto 12
	200-215	auto 13
	216-231	auto 14
	232-255	auto 15
11	0 - 255	Speed when auto is enable
12	0 - 255	ID

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



09:32

01

Login

V

Email

Password

Login

Register

Forgot Password

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.

09:32

01

< Register

Title

Country: *

First Name *

Last Name *

Username *

Email *

Password *

Password *

☐ Accept Privacy policy *

[Privacy policy](#)

☐ Subscribe newsletter

* Completing these fields is mandatory.

Register

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 12 channel

channel	value	function
1	0 - 255	0 = Off 1 - 255 = Master dimmer
2	0 - 255	Strobe from slow to fast
3	0 - 255	Adjust red LEDs Dimmer from low to high
4	0 - 255	Adjust green LEDs Dimmer from low to high
5	0 - 255	Adjust blue LEDs Dimmer from low to high
6	0 - 255	Adjust Lime LEDs Dimmer from low to high
7	0 - 255	Adjust Amber LEDs Dimmer from low to high
8	0 - 255	Adjust Cyan LEDs Dimmer from low to high
9	0-23	no function
	24-27	color 1
	28-31	color 2
	32-35	color 3
	36-39	color 4
	40-43	color 5
	44-47	color 6
	48-51	color 7
	52-55	color 8
	56-59	color 9
	60-63	color 10
	64-67	color 11
	68-71	color 12
	72-75	color 13
	76-79	color 14
	80-83	color 15
	84-87	color 16
	88-91	color 17
	92-95	color 18
	96-99	color 19
	100-103	color 20
	104-107	color 21
	108-111	color 22
	112-115	color 23
	116-119	color 24
	120-123	color 25
	124-127	color 26
	128-131	color 27
	132-135	color 28
	136-139	color 29
	140-143	color 30
	144-147	color 31
	148-151	color 32
	152-155	color 33
	156-159	color 34
	160-163	color 35
	164-167	color 36

DMX control mode

DMX 3 channel

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

DMX 6 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 Lime LEDs Dimmer from low to high
5	0 - 255	Adjust Amber LEDs Dimmer from low to high
6	0 - 255	Adjust Cyan LEDs Dimmer from low to high

DMX 8 channel

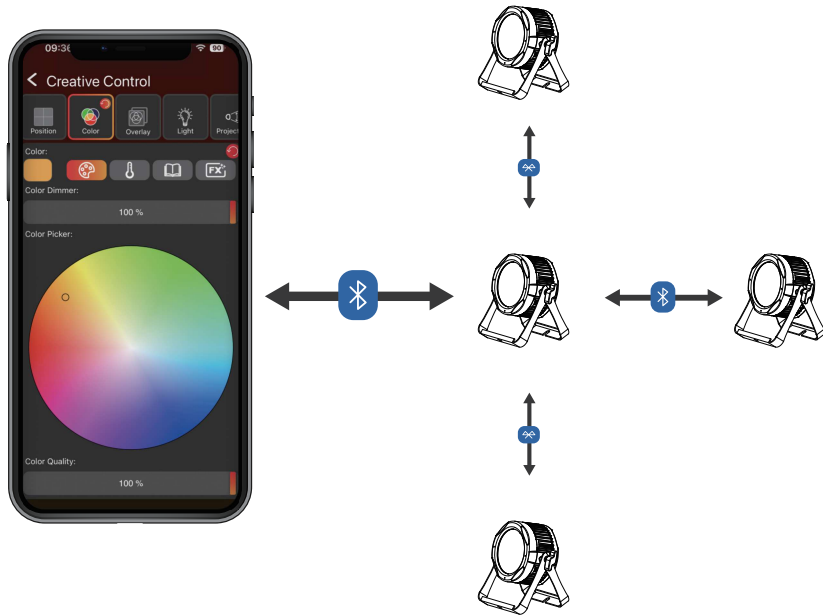
channel	value	function
1	0 - 255	0 = Off 1 - 255 = Master dimmer
2	0 - 255	Strobe from slow to fast
3	0 - 255	Adjust red LEDs Dimmer from low to high
4	0 - 255	Adjust green LEDs Dimmer from low to high
5	0 - 255	Adjust blue LEDs Dimmer from low to high
6	0 - 255	Adjust Lime LEDs Dimmer from low to high
7	0 - 255	Adjust Amber LEDs Dimmer from low to high
8	0 - 255	Adjust Cyan LEDs Dimmer from low to high

The screenshot shows a mobile application interface with a red-to-orange gradient background. At the top, the status bar shows the time 09:33 and signal icons. Below the status bar is a large, stylized 'V' logo inside a rounded square. Underneath the logo, the word 'Welcome' is displayed. A white circular loading spinner is centered on the screen. Below the spinner, the text 'Please wait while we prepare everything for you.' is shown. At the bottom, there is a white button with the text 'Wait...'.

The application is being prepared and the process may take some time. If there is no Internet connection at this stage, the application will not launch. Because it requires library information, it is not available without the Internet. Click "Next" to proceed.

- 1) Grant permission for Bluetooth by clicking "Request".
- 2) A popup will open; click "Ok".
- 3) Finally, click "Start".

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

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.

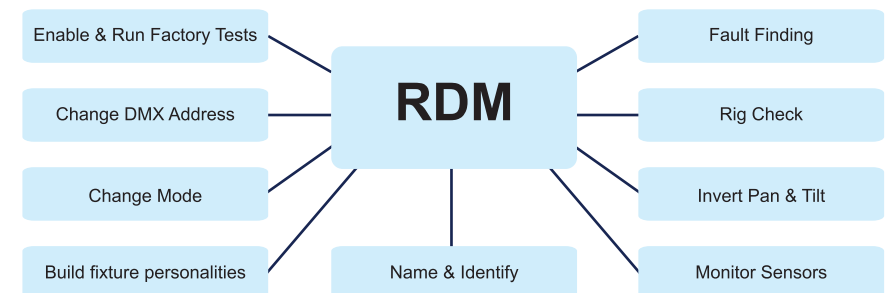
It allows two-way communication between the lighting device or system controller and the connected RDM compatible device through the standard DMX. This protocol will allow these devices to be configured, monitored, and managed in a manner that does not interfere with the normal operation of standard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



"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)", "LIME (0~255)", "AMBER (0~255)", "CYAN (0~255)", "FADE (0~30)", "FLASH(O~30)", "STROBE (0~30)" & "TIME (0-30)" as you like. Then the data will be saved, when you press the ENTER button for 5 seconds.

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)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.

2)White Balance - You can adjust the brightness of each color.

3)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.

4)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.

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.

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

7)Factory Reset-In this menu,you can reset all the value of the system.

8)Rate-You can choose the refresh frequency you want.

9)Dimmer Curve-You can choose the dimmer curve you want.

10)Power State-You can adjust the power state in this menu.

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.

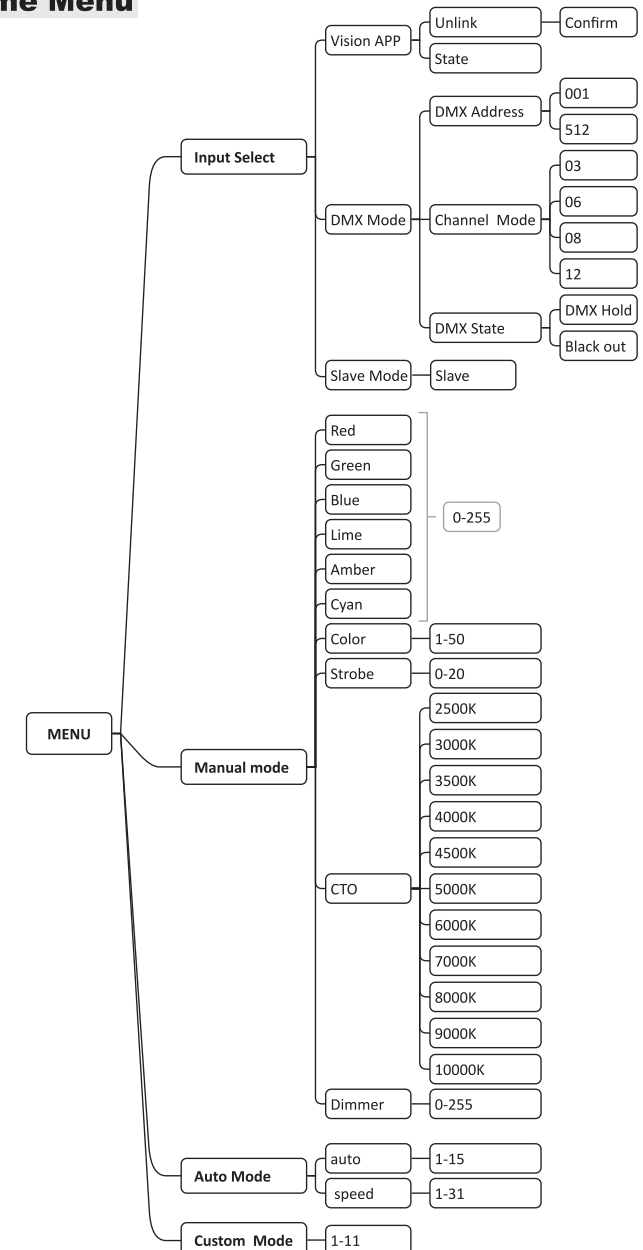
3)RDM UID- This item displays the RDM information about the light.

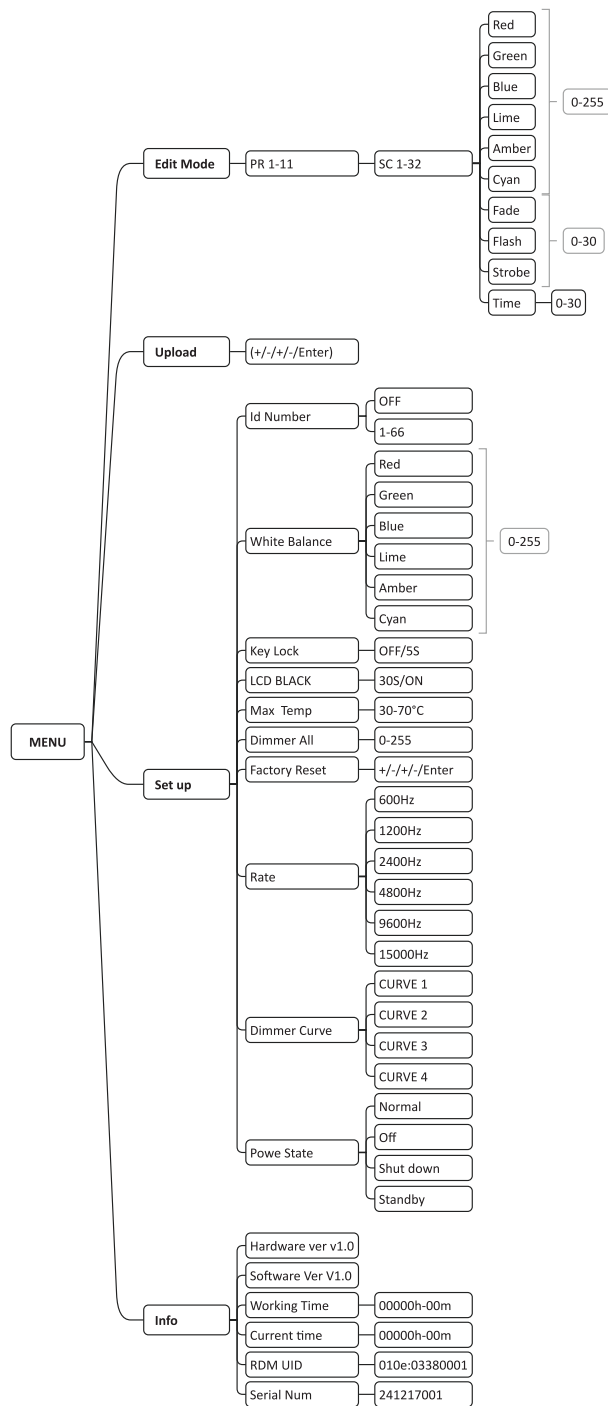
4)Current time - This item displays the current time about the light.

5)Working time-This item displays the working hours about the light.

6) Serial number- This item displays the Serial number about the light.

Programme Menu





Input select

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)Lime-You can adjust the Lime brightness in this menu.

5)Amber-You can adjust the Amber brightness in this menu.

6)Cyan-You can adjust the Cyan brightness in this menu.

7)COLOR-You can select 50 static color in this menu.

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

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

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

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

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

2. Press "ENTER" button, and "SPEED" or "AUTO MODE" will be showed. Then press ENTER, and you can see two items as below:

1) SPEED - You can select your desired speed in this menu.

2) AUTO MODE - You can select your desired auto mode in this menu.

CUSTOMER-In this menu, you can select the AUTO program edited in the "EDIT" menu.

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

2. Press "ENTER" button, and there are 11 pre-programmed mode edited in the "EDIT" menu.

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

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

2.Press "ENTER" button, and open the "EDIT" mode to edit the custom programs from "PR.01" to