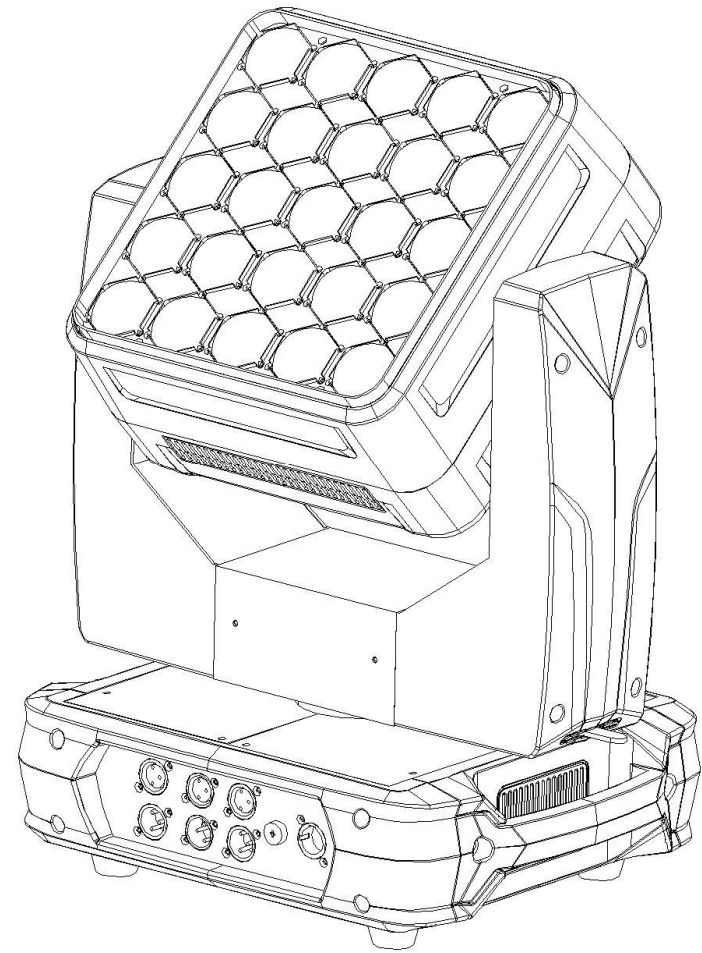


Prowalls Array zoom 25A

25*4in1 matrix moving head zoom



User manual

Please read the instructions carefully before use

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statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1. Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

- ☒ Unpack and check carefully there is no transportation damage before using the unit.
- ☒ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
- ☒ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- ☒ The unit is for indoor use only. Use only in a dry location.
- ☒ The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ☒ Disconnect main power before replacement or servicing.
- ☒ Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- ☒ Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.
- ☒ Maximum ambient temperature is Ta: 40°C. DO NOT operate it where the

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

6. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- **Clean with soft cloth using normal glass cleaning fluid.**
- **Always dry the parts carefully.**
- **Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.**

temperature is higher than this Unit surface temperature may reach up to 85°C. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

☒ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

☒ DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- ☒ To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- ☒ DO NOT open the unit within five minutes after switching off.
- ☒ The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2. Technical Specifications

Light Sources: 25x 4in1 RGBW LED

LENS Beam Angle: 6.5-60°

Power Consumption: 484W

Power Voltage: AC 100-240V, 50/60Hz

Dimension: 40*31*47CM

Net Weight: 14Kgs

Control

Control Modes: DMX512, Artnet control

DMX mode :13/ 24/88/113 Channels

Artnet mode : 75/100 channels

Pan/Tilt

Pan/Tilt: infinite rotation

Pan/Tilt Resolution: 8/16 bit

Construction

Display: 180° reversible LCD Display

Data In/Out socket: 3-pin & 5-pin XLR sockets

Powercon in

Protection Rating: IP20

Features

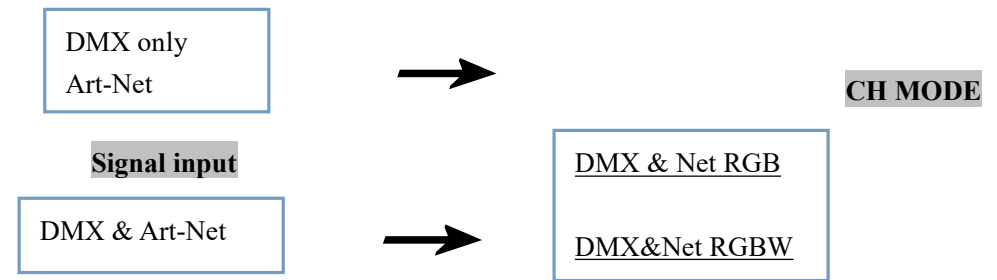
Dimmer:0~100% smooth dimming ; Two dimmers model in optional(delay or without delay)

Outstanding color macro effect

Fast,quiet operation and flicker free

Led temperature protection & Speed of fan run automatic based on the temperature of the head.

Single led control, zoom effect, Artnet control , infinite Pan and tilt rotation.



5. When fixtures signal input select Art-Net or DMX & Art-Net, means selected Art-Net controller to control fixtures. But Art-Net controller also need set the same IP address, IP MARK as fixtures.

Setting via menu

Information → **Ethernet IP** → select search fixture's **IP Address**, **IP MARK** information.

5. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

					0-255	White (0-Black , 255-100% White)
--	--	--	--	--	-------	------------------------------------

When channel mode is DMX&ARTNET RGB or DMX&ARTNET RGBW. The yellow parts are (RGBW of LED1-LED25) channels controlled by Artnet, rest channels controlled by DMX.

4.How to control Unit with ArtNet

1. Setting IP Address, choose **Manual set** to manual input IP address, better choose **ON IP2** or **ON IP10** auto set.

2. **IP Mask**, input **255.0.0.0**

3. **Universe** choose **OFF** or **1**

4. **Source select**, input signal selection, there are three options:

DMX only → input signal is DMX

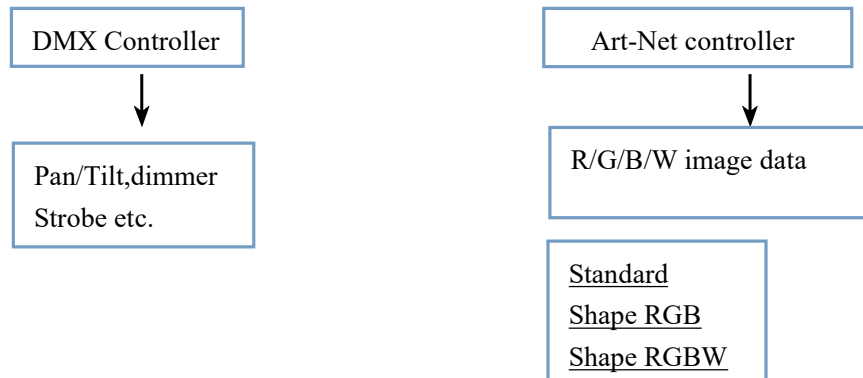
Art-Net → input Art-Net signal

DMX & Art-Net → Simultaneous input DMX & Art-Net signal

Notice:

- If Select **DMX only** or **Art-Net**, Channels mode only can choose **Standard** or **Shape RGB** or **Shape RGBW**. Then only have DMX or Art-Net signal separately control Pan/Tilt, Dimmer and RGBW, etc.
- If select **DMX & ArtNet**, means simultaneously controlled by DMX and Art-Net, and Art-Net only control RGBW Channels, DMX control others channels, meantime, CH MODE only can choose **DMX & Artnet RGB** or **DMX & Net RGBW**.

For example,if now choose **DMX & Artnet RGB** CH Mode, then CH 1 - CH13 are controlled by DMX, RGB matrix controlled by Art-Net.



3. How To Control The Unit

The DMX512 is widely used in intelligent lighting control,with a DMX 512 controller.connect several lights together,dmx in and dmx out,
3 pin XLR connectors: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

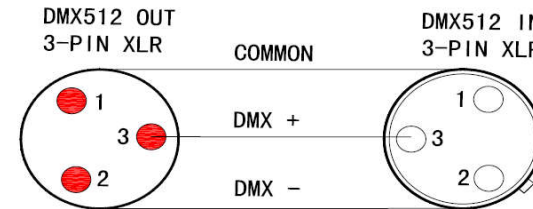
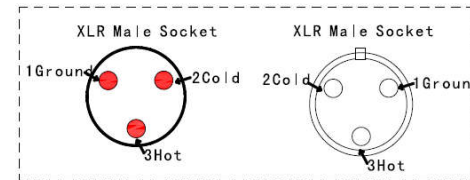


Figure2



XLR Pin Configuration	
pin1=	Ground
pin2=	Data Compliment (negative)
pin3=	Data true (positive)

Display:

MENU To select the programming functions
DOWN To go backward in the selected functions
uP To go forward in the selected functions
ENTER To confirm the selected functions

Set DMX Address Code

- 1 Press **"Menu"** to "Set DMX Address",and press**"ENTER"** keys to enter into
- 2 Show "Set DMX Address DMX Address:001",Press the **"UP and DOWN"** keys to amended
- 3 Press **"ENTER"**keys to save and Exit,Press the**"MENU"**Keys does not save and Exit
- 4 . Press 'left' and 'right' to reverse the display

Menu

Address	Address001~XXX			Set DMX Address
	Dmx Value	ALL...		Display DMX Value
	LED Temperature	XXXC/F		
	Fixture Hours	Current Hours Total Hours Last Hours		
	Ethernet IP	X.X.X.X X.X.X.X		IP Address IP Mark
	Software Version	VX.X.X...		Software Version
Option Config	Pan Tilt	Pan Reverse Tilt Reverse Pan-Degree Encoder Pan Tilt Speed	ON/OFF ON/OFF 540/360 ON/ OFF Speed 1~ 4	
	Service	Password	XXXX	Password Code=123
		RDM PID	0-131071	RDM PID
		IP Address	Manual Set Art-Net On IP2 Art-Net On IP10	
		IP Mask	X.X.X.X	IP Mask
		Universe	• OFF,1-255	Art Universe
		LED Address	1-512	LED Address

					0-255	Red (0-Black , 255-100% Red)
	27	31	14	18		<u>Green LED-array 5 :</u>
					0-255	Green (0-Black , 255-100% Green)
	28	32	15	19		<u>Blue LED -array 5 :</u>
					0-255	Blue (0-Black , 255-100% Blue)
		33		20		<u>White LED -array 5 :</u>
					0-255	White (0-Black , 255-100% White)
	29	34	16	21		<u>Red LED -array 6 :</u>
					0-255	Red (0-Black , 255-100% Red)
	30	35	17	22		<u>Green LED-array 6 :</u>
					0-255	Green (0-Black , 255-100% Green)
	31	36	18	23		<u>Blue LED -array 6 :</u>
					0-255	Blue (0-Black , 255-100% Blue)
		37		24		<u>White LED -array 6:</u>
					0-255	White (0-Black , 255-100% White)
	32	38	19	25		<u>Red LED -array 7 :</u>
					0-255	Red (0-Black , 255-100% Red)
	33	39	20	26		<u>Green LED-array 7 :</u>
					0-255	Green (0-Black , 255-100% Green)
	34	40	21	27		<u>Blue LED -array 7 :</u>
					0-255	Blue (0-Black , 255-100% Blue)
		41		28		<u>White LED -array 7:</u>
					0-255	White (0-Black , 255-100% White)
	86	110	73	97		<u>Red LED -array 25:</u>
					0-255	Red (0-Black , 255-100% Red)
	87	111	74	98		<u>Green LED-array 25 :</u>
					0-255	Green (0-Black , 255-100% Green)
	88	112	75	99		<u>Blue LED -array 25 :</u>
					0-255	Blue (0-Black , 255-100% Blue)
		113		100		<u>White LED -array 25:</u>

	15	15		2	2		<u>Green LED-array 1 :</u>		Source Select	DMX Only Art-Net DMX&Art-Net		Signal Select DMX、Art、 DMX and Art		
	16	16		3	3	0-255	Green (0-Black , 255-100% Green)			Display	Shutoff	2-60m		
		17			4		<u>Blue LED -array 1 :</u>				Reverse	ON/OFF		
						0-255	Blue (0-Black , 255-100% Blue)				Lock On	ON/OFF		
	17	18		4	5		<u>White LED -array 1 :</u>			Temperature C/F	Celsius Fahrenheit			
						0-255	White (0-Black , 255-100% White)							
	18	19		5	6		<u>Red LED -array 2 :</u>		Reset Default	ON/OFF		Reset To Factory Default		
						0-255	Green (0-Black , 255-100% Green)							
	19	20		6	7		<u>Blue LED -array 2 :</u>			Manual Control	Manual	PAN White All	Password=XXX ... White All =XXX	
		21			8		<u>White LED -array 2 :</u>							
						0-255	White (0-Black , 255-100% White)				Test Channel	PAN ... White All		
	20	22		7	9		<u>Red LED -array 3 :</u>							
						0-255	Red (0-Black , 255-100% Red)			Calibration	Password PAN TILT ZOOM Rotation	Password=XXX PAN=XXX PAN=XXX ZOOM=XXX Rotation =XXX		
	21	23		8	10		<u>Green LED-array 3 :</u>							
						0-255	Green (0-Black , 255-100% Green)	DMX Mode Set	Standard Shape RGB Shape RGBW DMX&Net RGB DMX&Net RGBW	Standard Mode Shape Mode With RGB Shape Mode With RGBW Shape Mode With RGB While DMX&Art-Net select Shape Mode With RGBW While DMX&Art-Net select				
	22	24		9	11		<u>Blue LED -array 3 :</u>							
						0-255	Blue (0-Black , 255-100% Blue)							
		25			12		<u>White LED -array 3:</u>							
						0-255	White (0-Black , 255-100% White)							
	23	26		10	13		<u>Red LED -array 4 :</u>							
						0-255	Red (0-Black , 255-100% Red)							
	24	27		11	14		<u>Green LED-array 4 :</u>							
						0-255	Green (0-Black , 255-100% Green)							
	25	28		12	15		<u>Blue LED -array 4 :</u>							
						0-255	Blue (0-Black , 255-100% Blue)							
		29			16		<u>White LED -array 4 :</u>							
						0-255	White (0-Black , 255-100% White)							
	26	30		13	17		<u>Red LED -array 5 :</u>							

1.When DMX mode is DMX&NetRGB or DMX&NetRGBW, DMX&Artne

1.When DMX mode is DMX&NetRGB or DMX&NetRGBW, DMX&Artnet under Option Config /Source select should be selected. LED1-LED25 (RGBW)₇

control by Artnet, and the rest controlled by DMX.

2. When DMX Mode set is DMX&NET RGB or DMX&NET RGBW. DMX&Artnet under source select was choosed. LED R/G/B/W will be controlled by the Artnet.LED address means from which channel begin to control. LED address=10, means control Red of first LED from channel 10 , channel 11 control Green of first LED, channel 12 control control Blue of first LED,channel 12 control White of first LED, channel 14 control RED of second LED.

DMX channel's functions and values (24/88/113DMX channels):

Mode/Channel						Value	
Standard	Shape RGB	Shape RGBW		DMX & Net RGB	DMX & Net RGBW		
1	1	1	control by DMX	1	1		<u>PAN Movement 8bit :</u>
						0-255	Pan Movement
2	2	2		2	2		<u>Pan Fine 16bit</u>
						0-255	Fine control of Pan movement
3	3	3		3	3		<u>TILT Movement 8bit :</u>
						0-255	Tilt Movement
4	4	4		4	4		<u>Tilt Fine 16bit</u>
						0-255	Fine control of Tilt movement
5	5	5		5	5		<u>Speed Pan/Tilt movement:</u>
						0-225	max to min speed
						226-255	no function
6	6	6		6	6		<u>PAN Ritiation :</u>
						0-127	No function
						128-189	PAN Rotation Forward min to max speed
						190-193	PAN Rotation Stop
						194-255	PAN Rotation Reverse min to max speed
7	7	7		7	7		<u>TILT Ritiation :</u>
						0-127	No function

						231-235	Patter function7
						236-240	<u>Patter function8</u>
						241-245	Patter function9
						246-250	Patter function10
						251-255	Patter function11
17							<u>Chase Patterns Direction:</u>
						0-49	↑Chase Up
						50-99	←Chase Left
						100-149	↓Chase Down
						150-255	→Chase Right
18							<u>Chase Speed:</u>
						0-125	Fast to Slow Backward
						126-130	Stop(Speed=0)
						131-255	Slow to Fast Forward
19							<u>Chase Fade:</u>
						0-255	Fade Chase
20							<u>Red LED -all arrays :</u>
						0-255	Red (0-Black , 255-100% Red)
21							<u>Green LED-all arrays :</u>
						0-255	Green (0-Black , 255-100% Green)
22							<u>Blue LED -all arrays :</u>
						0-255	Blue (0-Black , 255-100% Blue)
23							<u>White LED -all arrays :</u>
						0-255	White (0-Black , 255-100% White)
24	13	13		13	13		<u>Lamp on/off, reset, internal programs:</u>
						0-79	Normal
						80-99	All motor reset
						100-255	Normal
	14	14	ART N by	1	1		<u>Red LED -array 1 :</u>
						0-255	Red (0-Black , 255-100% Red)

					76-80	E
					81-85	F
					85-90	G
					91-95	H
					96-100	I
					101-105	J
					106-110	K
					111-115	L
					116-120	M
					121-125	N
					126-130	O
					131-135	P
					136-140	Q
					141-145	R
					146-150	S
					151-155	T
					155-160	U
					161-165	V
					166-170	W
					171-175	X
					176-180	Y
					181-185	Z
					186-190	0'-'9'
					191-195	A'-'Z'
					196-200	0'-'Z'
					201-205	Patter function1
					206-210	Patter function2
					211-215	Patter function3
					216-220	Patter function4
					221-225	Patter function5
					226-230	Patter function6

					128-189	TILT Rotation Forward min to max speed
					190-193	TILT Rotation Stop
					194-255	TILT Rotation Reverse min to max speed
8	8	8		10	10	<u>Zoom :</u>
					0-255	Zoom adjustment
9	9	9		9	9	<u>STORBE</u>
					0-31	Led trun off
					32-63	Led turn on
					64-95	Strobe effect slow to fast
					96-127	Led turn on
					128-159	Pulse-effect in sequences
					160-191	Led turn on
					192-223	Random strobe effect slow to fast
					224-255	Led turn on
10	10	10		10	10	<u>Dimmer intensity:</u>
					0-255	Intensity 0 to 100%
11	11	11		11	11	<u>Dimmer Mode:</u>
					0-20	Mode1
					21-40	Mode2
					41-60	Mode3
					61-80	Mode4
					81-100	Mode5
					100-255	Mode1
12	12	12		12	12	<u>LED Gamma:</u>
					0-59	Gamma 2.0
					60-119	Gamma 2.2
					120-179	Gamma 2.4
					180-239	Gamma 2.6
					240-255	Gamma 2.8
13						<u>Rainbow:</u>
					0-7	No function

					8-39	RED to YELLOW
					40-71	YELLOW to GREEN
					72-103	GREEN to CYAN
					104-135	CYAN to BLUE
					136-167	BLUE to MAGENTA
					168-199	MAGENTA to RED
					200-231	RED to WHITE
					232-255	Crossfading colours from slow to fast
14						<u>Color Presets:</u>
					0-4	No function
					5--9	White1
					10--14	White2
					15-19	White3
					20-24	White4
					25-29	White5
					30-34	White6
					35-39	Color1
					40-44	Color2
					45-49	Color3
					50-54	Color4
					55-59	Color5
					60-64	Color6
					65-69	Color7
					70-74	Color8
					75-79	Color9
					80-84	Color10
					85-89	Color11
					90-94	Color12
					95-99	Color13
					100-104	Color14
					105-109	Color15

					110-114	Color16
					115-119	Color17
					120-124	Color18
					125-129	Color19
					130-134	Color20
					135-139	Color21
					140-144	Color22
					145-149	Color23
					150-154	Color24
					155-159	Color25
					160-164	Color26
15					165-169	Color27
					170-255	Reserved
16						<u>Color Presets Dimmer:</u>
					0-255	Dimmer 100 to 0%
						<u>Chase Patterns:</u>
					0-5	No function
					6-10	Number'0'
					11-15	Number'1'
					16-20	Number'2'
					21-25	Number'3'
					26-30	Number'4'
					31-35	Number'5'
					36-40	Number'6'
					41-45	Number'7'
					46-50	Number'8'
					51-55	Number'9'
					56-60	A
					61-65	B
					66-70	C
					71-75	D