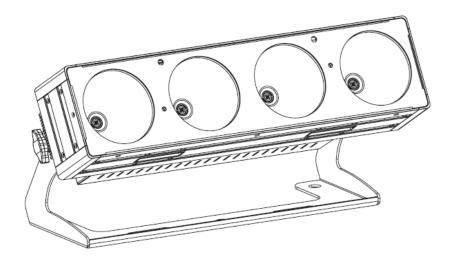


USER MANUAL



For safety, please read this user manual carefully before initially use.

Package Included:

- * LED NOVA 4
- * User Manual
- * Power Input Cord
- * 5mm Allen Key

Safety Instructions

•Do not open this device, there is no user-serviceable parts inside.

- DO not look at the light source when the device is on.
- CAUTION: This unit's housing may be hot when lights are operating.
- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety rope when mounting this device overhead.
- Do not hang units using only the coffin locks.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- ONLY connect this device to a grounded and protected circuit.
- ONLY use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz. Link up to the maximum 4 devices at 120 VAC or 8 at 230 VAC. DO NOT exceed this number.

DMX Linking & Connection

This device can work with a DMX controller using a regular DMX serial connection. This device uses a regular DMX protocol for its DMX modes: 3, 5, 9, 48 and 53 channels.

Art-Net[™] Connection

Art-Net[™] is an Ethernet protocol that uses TCP/IP to transfer large amounts of DMX512 data over a large network Art-Net[™] uses the EtherCon® RJ 45 connection. Art-Net[™] is Designed by and Copyright Artistic Licence Holdings Ltd.

- 1) Disconnect the DMX controller from this device
- 2) Use RJ45 cables connect this device to your computer
- 3) You can link the other these devices with RJ45 cables or regular DMX cables.
- 4) You can use the Art-Net software to control and programming these devices.

(Your computer needs the relevant software of Art-Net protocol.)

Cooling Fans:

This device has cooling fans controled by temperature sensor. When the device temperature inside reach about 60 C, the fans start working from a slow speed to fast as the temperature increasing.

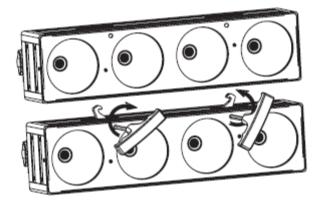
Mounting

This device can be mounted in many orientation provided each individual device is secured through the mounting bracket.

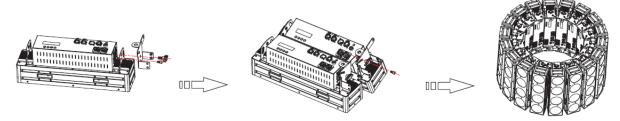
The coffin locks are for device alignment only and are not weight bearing.

DO NOT hang device using only the coffin locks.

Use a safety rope when mounting this device overhead.



Use special connect plates (sold separate) make a circle:



CONTROL BOARD OPERATION

Press the Menu until one of the following displayed:

Display	Function
1.DMX Address	To set DMX address
2.DMX Channel	To set DMX channel modes: CH 03, CH 05, CH 09, CH12, CH17
3.Dimmer Curve	To set dimmer speeds: 01, 02, 03, 04
4.Sound Mode	To set sound active mode and the sensitivity (Speed 000 ~ Speed 100)
5.Static Color	To set static colors: Static Color R, G, B, GB, RG, RB, RGB
6.Manual Color	To set user mode intensity of R, G, B separately for color mixing and strobe rate
7.Auto Program	To set built-in automatic programs: Pr 01 ~ Pr 10 and speeds 000 ~100
8.Master/Slave	To set Master/Slave modes

Use Up and Down button to select your desired operation, then press Enter to confirm.

DMX Addressing:

After select the "DMX Address" and press Enter, then use Up and Down to set the desired DMX address (001~512), press "Enter" again to confirm.

DMX Modes

After select the "DMX Channel" and press Enter, then use Up and Down to set the desired DMX mode (CH 03, CH 05, CH 09, CH12, CH17), press "Enter" again to confirm.

Dimmer Speed Setting:

After select the "Dimmer Curve" and press Enter, then use Up and Down to set the desired dimmer speed (01, 02, 03, 04), press "Enter" again to confirm.

Sound Mode

Entered "Sound mode", use <UP> and <DOWN> to set the sensitivity Sen 000 ~ Sen 100, press Enter to confirm.

Setting Static Colors

Entered "Static Color", you can select the desired solid color via the UP or DOW N buttons and confirm by Enter (see following graphic).

Mode:	Value:	Function:
	Static color <r></r>	Red
	Static color <g></g>	Green
	Static color 	Blue
Static Color	Static color <rg></rg>	Red + Green
	Static color <bg></bg>	Green + Blue
	Static color <rb></rb>	Red + Blue
	Static color <rgb></rgb>	Red + Green + Blue

User Mode

This mode allows the user set intensity of R, G, B separately to get endless color mixing from the control board without DMX controller to set the device to run strobe desired.

Entered user mode "Manual color", use <UP> and <DOWN> to select the " R / G / B" for Colors intensity or "S" for strobe.

Use <UP> and <DOWN> to set the colors intensity values " 0 ~ 255" or Strobe speed values "000 ~ 100" (Freeze, Slow ~ Fast), then press "Enter" to confirm.

Automatic Mode

This fixture has a built-in automatic program.

Entered "Auto Program" mode, use <UP> and <DOW N> to select the built-in programs "Pr01 ~ Pr -12"

then press the "Enter" to confirm.

Use <UP> and <DOWN> to select the operating speed of the program(Value:Speed 000 ~ Speed100, Freeze,Slow ~ Fast), press "Enter" to confirm.

Mode:	ode: Value: Function:		
	Auto program Pr 01	R G B colors switching	
	Auto program Pr 02	7 colors switching	
	Auto program Pr 03	R G B colors fading	
	Auto program Pr 04	7 colors Fading	
Auto Brogrom	Auto program Pr 05	Color Macros Fading	
Auto Program	Auto program Pr 06	Chase 1	
	Auto program Pr 07	Chase 2	
	Auto program Pr 08	Chase 3	
	Auto program Pr 09	Chase 4	
	Auto program Pr 10	Loop above pr 01~pr 09	

Master/Slave Operation

This mode allows for multiple units slave fixtures to follow a single master fixture.

1) Set the master fixture to one of the standalone operating modes: automatic, sound, user mode or static color modes

2) For slave units, entered the Master/Slave mode, select "Slave", press Enter.

DMX VALUES

3 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%

5 Channels Mode:

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	Master Dimmer 0% ~ 100%
E	000-009	No function
5	010-255	Strobe : Slow ~ Fast(1~30Hz)

9 Channels Mode:

CHANNEL	VALUE	FUNCTION	
		Red 0% ~ 100%	
1	000-255	Warm white 0% ~ 100%	When values 169-208 in
			CH. 9 are activated
		Green 0% ~ 100%	
2	000-255	Cool white 0% ~ 100%	When values 169-208 in
			CH. 9 are activated
3	000-255	Blue 0% ~ 100%	
4	000-255	Master Dimmer 0% ~ 100%	
5	000-009	No function	
Ŭ	010-255	Strobe : Slow ~ Fast(1~30Hz)	
	000-019	No Function	
	020-039	RED 100% / GREEN 0% ~ 100% / BLUE 0%	
	040-059	RED 100% ~ 0% / GREEN 100% / BLUE 0%	
	060-079	RED 0% / GREEN 100% / BLUE 0% ~ 100%	
	080-099	RED 0% / GREEN 100% ~ 0% / BLUE 100%	
6	100-119	RED 0% ~ 100% / GREEN 0% / BLUE 100%	
Ŭ	120-139	RED 100% / GREEN 0% / BLUE 100% ~ 0%	
	140-159	RED 100% / GREEN 0% ~100% / BLUE 0%~100%	
	160-179	RED 100%~ 0% / GREEN 100% ~ 0% / BLUE 100%	
	180-199	RED 100% / GREEN 100% / BLUE 100%	
	200-204	White Color Temprature 1	WARM
	205-209	White Color Temprature 2	

	210-214	White Color Temprature 3	
	215-219	White Color Temprature 4	
	220-224	White Color Temprature 5	
	225-229	White Color Temprature 6	
	230-234	White Color Temprature 7	
	235-239	White Color Temprature 8	
	240-244	White Color Temprature 9	
	245-249	White Color Temprature 10	
	250-255	White Color Temprature 11	COOL
	000-009	No function	
	010-032	Auto Program PR 01	R G B colors switching
	033-056	Auto Program PR 02	7 colors switching
	057-080	Auto Program PR 03	R G B colors fading
	081-104	Auto Program PR 04	7 colors Fading
7	105-128	Auto Program PR 05	Color Macros Fading
1	129-152	Auto Program PR 06	Chase 1
	153-176	Auto Program PR 07	Chase 2
	177-200	Auto Program PR 08	Chase 3
	201-224	Auto Program PR 09	Chase 4
	225-248	Auto Program PR 10	Loop above pr 01~pr 09
	249-255	Sound active	
8	000-255	Speed of Auto Programs (Slow ~ Fast)	
	000-009	Default dimmer speed	
	010-048	Linear dimmer	
	049-088	Non-linear dimmer 1	
9	089-128	Non-linear dimmer 2	
	129-168	Non-linear dimmer 3	
	169-208	WW/CW Mode ON	
	209-255	WW/CW Mode OFF	

12 Channels Mode:

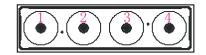
CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	
2	000-255	Green 0% ~ 100%	LED 1
3	000-255	Blue 0% ~ 100%	
4	000-255	Red 0% ~ 100%	
5	000-255	Green 0% ~ 100%	LED 2
6	000-255	Blue 0% ~ 100%	
7	000-255	Red 0% ~ 100%	
8	000-255	Green 0% ~ 100%	LED 3
9	000-255	Blue 0% ~ 100%	
10	000-255	Red 0% ~ 100%	
11	000-255	Green 0% ~ 100%	LED 4
12	000-255	Blue 0% ~ 100%	•

HANNEL	VALUE	FUNCTION		
	000-255	Red 0% ~ 100%		
2	000-255	Green 0% ~ 100%	LED 1	
3				
	000-255	Blue 0% ~ 100%		
4	000-255	Red 0% ~ 100%		
5	000-255	Green 0% ~ 100%	LED 2	
6	000-255	Blue 0% ~ 100%		
7	000-255	Red 0% ~ 100%		
8	000-255	Green 0% ~ 100%	LED 3	
9	000-255	Blue 0% ~ 100%		
10	000-255	Red 0% ~ 100%		
11	000-255	Green 0% ~ 100%	LED 4	
12	000-255	Blue 0% ~ 100%	_	
13	000-255	Master Dimmer 0% ~ 100%		
14	000-009	No function		
	010-255	Strobe : Slow ~ Fast(1~30Hz)		
	000-009	No function		
	010-032	Auto Program PR 01	R G B colors switchin	
	033-056	Auto Program PR 02	7 colors switching	
	057-080	Auto Program PR 03	R G B colors fading	
	081-104	Auto Program PR 04	7 colors Fading	
45	105-128	Auto Program PR 05	Color Macros Fading	
15	129-152	Auto Program PR 06	Chase 1	
	153-176	Auto Program PR 07	Chase 2	
	177-200	Auto Program PR 08	Chase 3	
	201-224	Auto Program PR 09	Chase 4	
	225-248	Auto Program PR 10	Loop above pr 01~pr 0	
	249-255	Sound active		
16	0000-255	Speed of Auto Programs (Slow ~ Fast)		
	000-009	Default dimmer speed		
17	010-048	Linear dimmer		
	049-088	Non-linear dimmer 1		
	089-128	Non-linear dimmer 2		
	129-168	Non-linear dimmer 3		
	169-208	WW/CW Mode ON		
	209-255	WW/CW Mode OFF		

When CH 17 @ 169-208, WW/CW ON, CH 1 ~ CH 8 function as following:

1	000-255	Warm white 0% ~ 100%	LED 1
2	000-255	Cool white 0% ~ 100%	
3	000-255	Warm white 0% ~ 100%	LED 2
4	000-255	Cool white 0% ~ 100%	LED 2
5	000-255	Warm white 0% ~ 100%	LED 3
6	000-255	Cool white 0% ~ 100%	LED 3
7	000-255	Warm white 0% ~ 100%	LED 4

LED ARRAY:



CLEANING AND MAINTENANCE Caution: DANGER TO LIFE!

Disconnect from mains before starting maintenance operation!

The operator has to make sure that safety-relating and machine-technical installations are inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1) All screws used for installing the devices or parts of the device must be tightly connected.

2) There must not be any deformations on housings, fixations and installation spots (ceiling, suspension, trussing).

3) The electric power cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any

safety problems have to be removed.

Replacing the fuse

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating. Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Unscrew the fuseholder on the rearpanel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuseholder.

Step 3: Install the new fuse in the fuseholder.

Step 4: Replace the fuseholder in the housing and fix it.

TECHNICAL SPECIFICATIONS:

Power supply: 100~240 V AC, 50/60 Hz ~ Power consumption: 120 W DMX control channels: 3,5,9, 12 or 17 chs DMX512 connection: 3-pin XLR Sound-control: via built-in microphone LED type: 30 W COB Tri-color RGB Number of LEDs: 4 Beam angle: 30° Dimensions (LxWxH): 425 x 187 x 163 mm Weight: 4 kg Maximum ambient temperature Ta: 40° Maximum housing temperature TC (steady state): 80° C Min. distance from flammable surfaces: 0.5 m Min. distance to lighted object: 0.1 m Fuse: T 2 A, 250 V

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