Squareled

SquareLED Clou³ Multifunction 3in1 LED Display   Video + lighting + movement

Manual | Clou³ Multifunction 3in1 LED Display

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Declaration

- The material in the manual is for standard Squareled Clou³ design. Other specific or special system or function depends on the user's order.
- This products is for professional installation and the user should keep clear of danger.
- If you have questions about how to operate them safely, please contact your manufacturer.
- In daily use, this product may cause radio interference. In this case, the user needs to take adequate action.
- Copyright Reserved By Huasuny. No reprint or modify without permission.

WARNING!
Read the safety precautions in this section before installing. powering, operating or servicing this product.

The following symbols are used to identify important safety information on the product and in this manual:

WARNING!
Safety hazard. Risk of severe injury or death.

WARNING!
Refer to manual before installing, powering or servicing.

WARNING!
Hazardous voltage. Risk of lethal or severe electric shock

WARNING!
Hot surface. Do not touch.

WARNING!
Fire hazard.

WARNING!
Emission hazardous to eyesight.

This product is for professional use only. It is not for household use.
This product presents risks of severe injury or death due to fire hazards, electric shock and falls.

Read this manual before installing, powering or servicing this product, follow the safety precautions listed below and observe all warnings in this manual and printed on the product.If you have questions about how to operate the LED display safely, please contact manufacturer.

PROTECTION FROM ELECTRIC SHOCK

- Connect the product to AC mains power within the range 105 - 240V nominal at 50 or 60 Hz only.
- Disconnect the entire installation from powered ensure that power cannot be reconnected, even accidentally, before carrying out any installation or maintenance work.
- Disconnect the product from power when not in use.
- Always ground (earth) the product electrically.

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- Use only a source of power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Connect the LED display to power using only the cables supplied by attached with the product.
- Protect power cables from water and rain.
- Do not connect any other device than other LED display to the power throughput connector in the base of the product.
- The number of LED display which are cascaded by one unit AC power cable is not allowed to exceed the regular number.
- Before using the product, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Do not use the product if the power cable or a power plug is in any way damaged, defective or showing signs of overheating.
- Refer any service operation not described in this manual to qualified technicians.

PROTECTION FROM FIRE

- Provide a minimum clearance of 40 cm around the cover at the back of the LED display base.
- Do not stick filters, masks or other materials directly on to LED modules.
- Do not modify the product in any way not described in this manual.
- Install only genuine parts in or on the product unless an alternative is described in this manual.
- Do not operate the product if the ambient temperature (Ta) exceeds 40°C (104°F).

PROTECTION FROM INJURY

- Ensure that any structure used for support as well as all fastening and connecting hardware can hold at least 10 times the weight of all supported devices and equipment.
- Do not suspend LED display using any other method of attachment than those described in this manual. Check that all external covers and rigging hardware are securely fastened.
- Block access below the work area and work from a stable platform whenever installing, servicing or moving the product.
- Do not look at lit LEDs from a distance of less than 40cm(1 ft.4in.) without suitable protective eye wear.
- Do not view lit LEDs with optical instruments that may concentrate the light output.

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1. Squareled Clou³- Module Feature
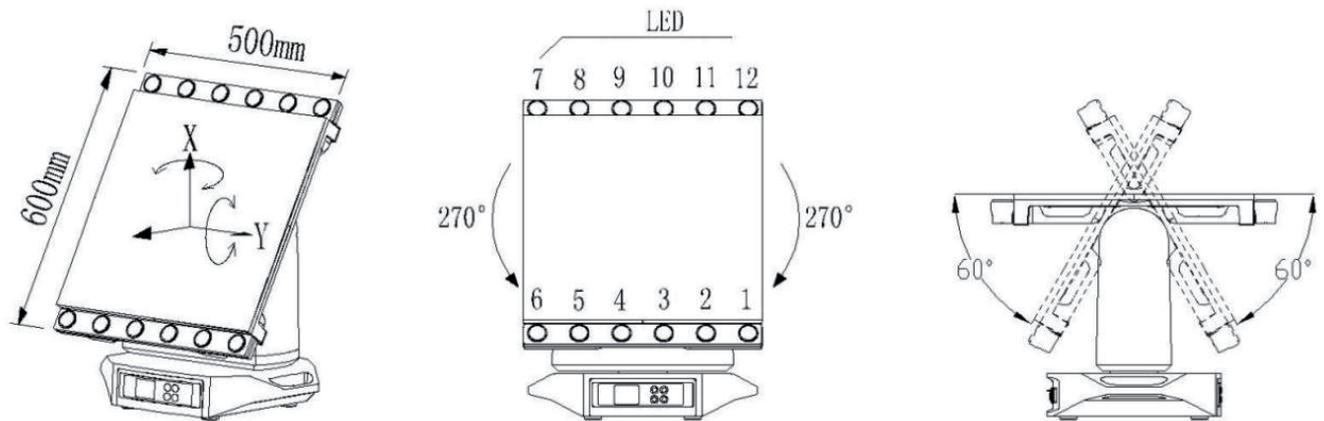
2. Squareled Clou³- Main Data

Power input	110VAC/50~60Hz
Power consumption	380W(Max)
Head movement	X:540°/Y:120°
Control model	DMX512 Signal/Sound/Auto
DMX channel	64
Net weight	≈31kg
Dimension	498(L)*498(W)*595(H)mm

3. Squareled Clou³ - Connector

4. Squareled Clou³- Connection between Module

Please use the DMX512 shielded twisted pair signal line.The signal line connecting distance is 150 meters.When used for long distance signal transmission, signal amplifier should be added to the DMX512.

Since each DMX signal can only control 512 channels, each signal can control no more than 8 pcs of Squareled Clou³.
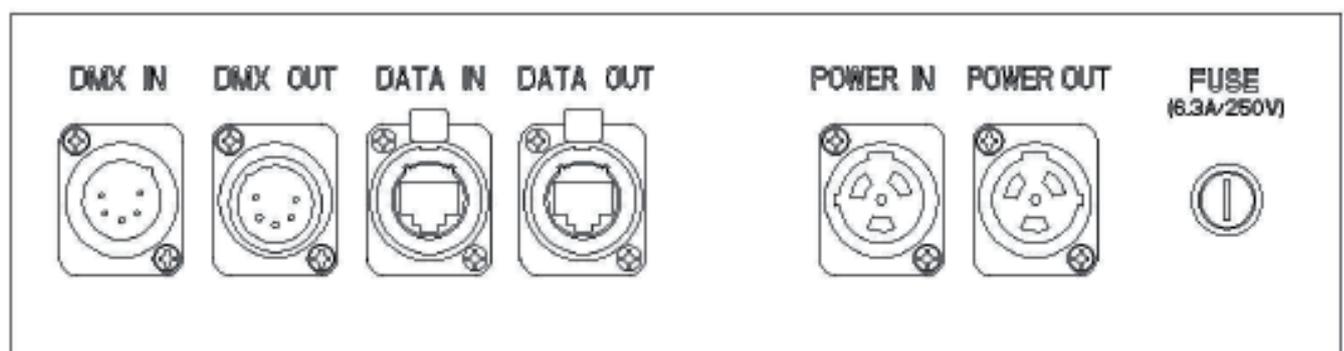
4.1 Major Function

Turn on the machine, press the "MENU" button to enter the menu mode, use the "UP "and "DOWN "buttons to look up the menu. When the preset menu is displayed on the screen, press the "ENTER" button to confirm, use the "UP" and "DOWN" button to select the sub-menu, and press the ENTER button to save the settings. Return to the "BACK" button, or wait to exit menu mode automatically .

When there is no power connection, press to the "MENU " button with about 7 seconds to enter the menu mode with battery power. After setting up, press the "BACK" button to return or wait to exit menu mode automatically. The LCD display screen will be off in 30 seconds if there is no touch or operations .

The main functions are shown as follows :

Main Functions

Menu

Class 1 menu	Class 2 menu	Class 3 menu	Class 4 menu
DMX Settings	DMX Address	001 ρ 512	
	DMX lost.	Black Out	
		Hold Last	
	Vies DMX Value		
Rest	Pan/Tilt Rest		
Sett	Master Slave	Master	
		Slave	
	Display Mode	On Always	
		Off Delay	
	Lcd Dimmer	1 ρ 10	

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Class 1 menu	Class 2 menu		Class 3 menu	Class 4 menu
Sett	Display Invert		Normal	
			Inverted	
	Language		English	
			Chinese	
	Calibrate			
	Factory Setting			
	Clean Program			
Option	Pan Invert		OFF	
			ON	
	Tilt Invert		OFF	
			ON	
	Offset	(Motor Colors) (Passcode 012)	Pan Offset	-127 ~ 127
			Tilt Offset	-127 ~ 127
			Red Offset	128—255
			Green Offset	128—255
			Blue Offset	128—255
			Time Offset	（Passcode 88
		Passcode 015	Machine Mode	X Rover
				X Rover Pro
				X Rover Plus
	Defaults			
Information	Total Hours			
	Software Vers		Lcd Drv CPU	
			XY Drv CPU	
			Led Drv CPU	
	Status Inform		Pan Ecnoder	
			Pan Sensor	
			Tilt Encoder	
			Tilt Sensor	

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Class 1 menu	Class 2 menu	Class 3 menu	Class 4 menu
Test Mode	Auto Test		
	Manual Test	Pan	000-255
		Tilt	
		XY Speed	
		Shutter	
		Dimmer	
		LED1 color macro	
		LED2 color macro	
		LED3 color macro	
		LED4 color macro	
		LED5 color macro	
		LED6 color macro	
Mode	DMX Mode		
	User Memory		
	Preset Memory		
	Static Scene1-9	Pan	000-255
		Tilt	
		XY Speed	
		Shutter	
		Dimmer	
		LED1 color macro	
		LED2 color macro	
		LED3 color macro	
		LED4 color macro	
		LED5 color macro	
		LED6 color macro	
		Keep Time	000-255 0-20S

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DMX Channels

X Rover Pro	Content	DMX figure	Function
1	X axis	000-255	X rotate 540 degrees
2	16 bit X axis		X axis 16bit rotate
3	Y axis		Y axis rotate 120 degrees
4	16 bit Y axis		Y axis 16bit rotate
5	XY axis speed		XY axis speed slow down
6	Shutter	000-007	light off
		008-131	Strobe speed up
		132-139	Light on
		140-181	Fast off slow on
		182-189	Light on
		190-231	Fast on slow off
		232-239	Light on
		240-247	Shutter at random
		248-255	Light on
7	Dimmer	000-255	linear dimming From dark to bright
8	Modes Macro	000-007	N/A
		008-255	16 Modes (When operates this mode,dimming modes from 1~6 part above are not available but available for dimming all lights)

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X Rover Pro	Content	DMX figure	Function
9	running style macro Speed	000-255	Slow to fast
10	running style macro Color 1		255 colors
11	running style macro Color 2		
12	Red all		
13	Green all		
14	Blue all		
15	White all		
16	Red 1		linear dimming from dark to bright
17	Green 1		
18	Blue 1		
19	White 1		
20	Red 2		
21	Green 2		
22	Blue 2		
23	White 2		
24	Red3		
25	Green 3		

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X Rover Pro	Content	DMX figure	Function
26	Blue 3		
27	White 3		
28	Red 4		
29	Green 4		
30	Blue 4		
31	White 4		
32	Red 5		
33	Green 5		
34	Blue5		
35	White 5		
36	Red 6	000-255	linear dimming from dark to bright
37	Green 6		
38	Blue 6		
39	White 6		
40	Red 7		
41	Green 7		
42	Blue 7		
43	White 7		
44	Red 8		
45	Green 8		
46	Blue 8		

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X Rover Pro	Content	DMX figure	Function
47	White 8	000-255	linear dimming from dark to bright
48	Red 9		
49	Green 9		
50	Blue 9		
51	White 9		
52	Red 10		
53	Green 10		
54	Blue 10		
55	White 10		
56	Red 11		
57	Green 11		
58	Blue 11		
59	White 11		
60	Red 12		
61	Green 12		
62	Blue 12		
63	White 12		
64	Control function	000-99	N/A
		100-109	XY Reset(stay 3 seconds to be reset)
		110-255	N/A