

Video Panel 4096

User Manual



Thanks for choosing our goods please read this manual carefully
before your operating and keep this manual for future needs

Thank you for purchasing Video Panel 4096, Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. You now own a professional lighting unit that offers endless possibilities.

For your own safety and that of others, please read this instruction manual carefully before installing the unit.

Anyone involved in installing, operating or servicing the Video Panel

4096 must: • **Be a qualified, authorized professional**

•**Strictly follow the instructions in this user manual.**

Please take the time to read this manual carefully and thoroughly before installing and operating the luminaire. You should have a good knowledge of its operating conditions and all pertinent product information.

After you have become familiar with this manual, we recommend that you keep a copy for future use. All the information found in this manual

is subject to change without notice. We reserves the right to modify and upgrade its range of products, with no obligation to integrate these changes into products already sold.

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.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.

Installation

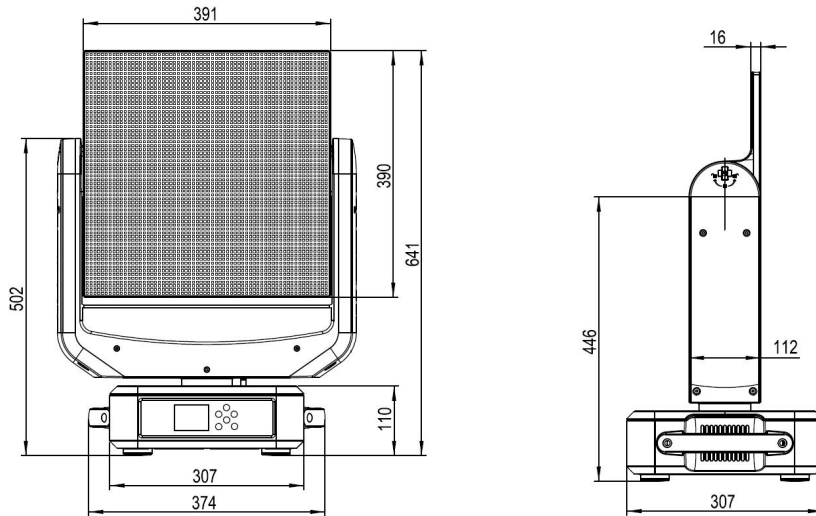
The unit should be mounted via its screw holes on the bracket.Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating.And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit’ s weight. Also 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.

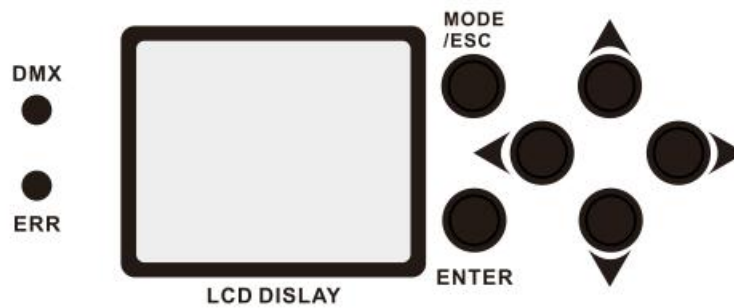
Specifications and Features:





- Light Source: 4096pcs SMD5050 RGB LED
- Pixel pitch (mm): 6
- Flicker free sources management, suitable for TV applications and all video recorded events
- Extremely accurate positioning
- Control:DMX 512,Art-net,Auto,Klingnet
- Graphic LCD display for addressing and special functions settings, with flip function
- Over temperature protection
- Moving-head skeleton made of aluminium and steel metal plates
- Pixels Density : 16384dots/m²
- View Angle : H145° /V110°
- Video Output : DVI/DMX
- Powercon In/Out, 3pin/5pin XLR in and out
- Ethercon RJ45 IN / OUT connectors
- Power Input: AC110 to 240 Volts – 50/60Hz
- Power: 180W Max
- Size: 473 x 641 x 307 mm
- Net Weight: 15.5 KG
- Gross Weight: 16.5KG

Product View



Menu Operation



- DMX : When DMX Signal in, the LED will be flash
- ERR: When the Light error, the LED will be flash
- Mode/ESC
- ENTER
-  Left button
-  Right button
-  Up button
-  Down button



DMX Channel function and values:

15/17 DMX Channels			
Mode/Channel		Value	Function
17CH	15CH		
1	1		PAN Movement 8bit
		0-255	Pan Movement
2			Pan Fine 16bit
		0-255	Fine control of Pan Movement
3	2		TILT Movement 8bit
		0-255	Tilt Movement
4			Tilt Fine 16bit
		0-255	Fine control of Tilt Movement
5	3		Speed Pan/Tilt movement
		0-225	max to min speed
		226-235	Blackout by movement
		236-255	No function
6	4		Pan Motor continuous rotation
		0-127	no function
		128-189	Forwards Pan rotation from fast to slow
		190-193	No rotation
		194-255	Backwards Pan rotation from slow to fast
7	5		Tilt Motor continuous rotation
		0-127	No function
		128-189	Forwards Tilt rotation from fast to slow
		190-193	No rotation
		194-255	Backwards Tilt rotation from slow to fast
8	6		Red LED
		0-255	Red(0-Black, 255-100% Red)
9	7		Green LED
		0-255	Green (0-Black, 255-100% Green)
10	8		Blue LED
		0-255	Blue (0-Black, 255-100% Blue)
11	9		White LED
		0-255	White (0-Black, 255-100% White)

12	10		Shutter, Strobe
		0-31	Led turn 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
13	11		Dimmer intensity:
		0-255	Intensity 0 to 100%
14	12		Color Macro
		0-7	No function
		8-39	From RED to YELLOW
		40-71	From YELLOW to GREEN
		72-103	From GREEN to CYAN
		104-135	From CYAN to BLUE
		136-167	from BLUE to MAGENTA
		168-199	from MAGENTA to RED
		200-231	from RED to WHITE
232-255	Cross fading colours from slow to fast		
15	13		Color Presets
		0-4	No function
		5-9	White2700k
		10-14	White3200k
		15-19	White4300k
		20-24	White5600k
		25-29	White6500k
		30-34	White8000k
		35-39	Yellow
		40-44	Magenta
		45-49	Cyan
		50-54	Salmon
		55-59	Turquoise
		60-64	Light Green
		65-69	Steel Blue
		70-74	Orange
		75-79	Straw
		80-84	Pale Lavander
		85-89	Pink
		90-94	Red
95-99	Green		
100-104	Blue		
105-109	Natural White		
110-255	Reserved		

16	14		Color Presets Dimmer
		0-255	Dimmer 100 to 0%
17	15		Reset ,internal Auto
		0-79	Normal
		80-84	All motor reset
		85-99	No function
		100-119	Internal Auto1
		120-139	Internal Auto2
		140-159	Internal Auto3
		160-179	Internal Auto4
		180-199	Internal Auto5
		200-219	Internal Auto6
		220-239	Internal Auto7
		240-255	Internal Auto8

Troubleshooting

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

1. The unit does not work, no light and the fan does not work
 - a. check the connection of power and main fuse.
 - b. Measure the mains voltage on the main connector.
 - c. Check the power on Led.
2. Not responding to DMX controller
 - a. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
 - b. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
 - c. If you have intermittent DMX signal problems, check the pins on

connectors or on PCB of the unit or the previous one.

- d. Try to use another DMX controller.
- e. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

3. Some units don't respond to the easy controller

- a. You may have a break in the DMX cabling. Check the LED for the response of the master/slave mode signal.
- b. Wrong DMX address in the unit .Set the proper address.

4. One of the channels is not working well

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

5. 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.

- a. Clean with soft cloth using normal glass cleaning fluid.
- b. Always dry the parts carefully.

Warranty

The Video Panel 4096 fixture is guaranteed against manufacturing defects for the duration of one (1) year from the date of purchase.

This warranty does not cover the unit for evidence of physical shock or damage caused by abuse or any use not in accordance with the operating conditions set forth in the present user manual.

In addition, cosmetic defects caused by the normal wear and tear of the unit are not covered under the warranty.

Any modification to the fixture will void the warranty. We cannot under any circumstances be held liable for quality and conformity regarding the installation of this product, which is the responsibility of the installer. the device and before use, may be covered by the warranty.

The manufacturer is not responsible for any errors or omissions that may occur in this document. All information contained in this manual is subject to change without notice.