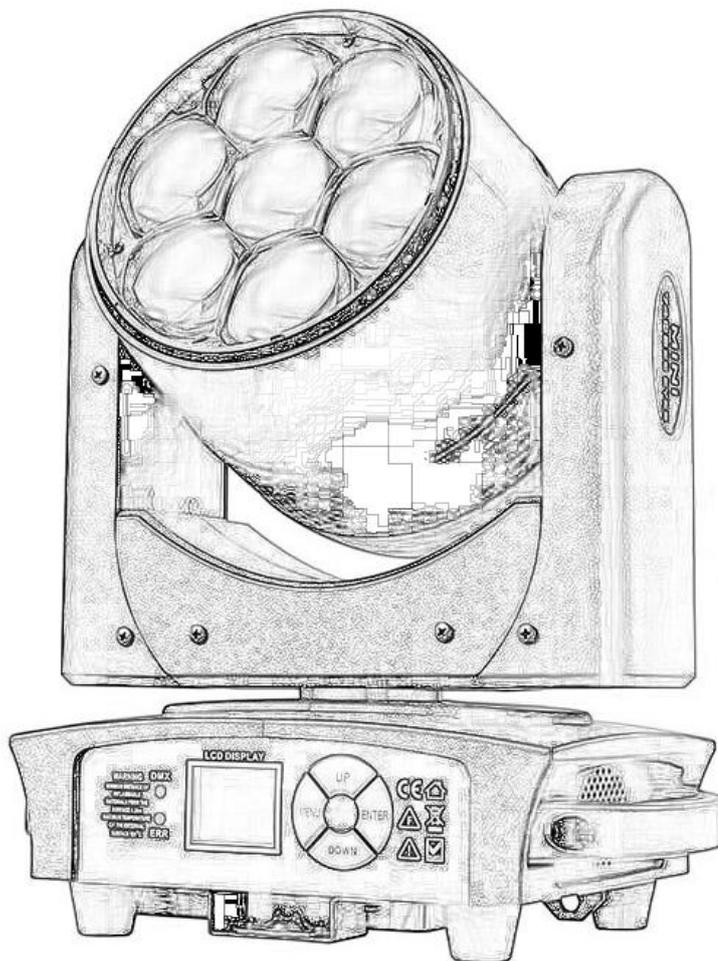


User manual



MINI 740-V1

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 T_a : 40°C . DO NOT operate it where the 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.
- 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.

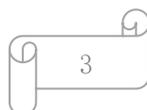
Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- 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.

2. Technical Specifications

Voltage: AC100V~240V 50-60HZ

Rated Power: 350W

LED Source: 7*40W RGBW 4-in-1 LED

Zoom angle: 4.5° -45°

Wash+beam+bee eye+Pixel effect

Strobe: 0-25Hz

Control: DMX512/Auto Run/Master-Slave/Music

DMX Channels: 23/35/51channel

Dimmer: 0-100% linear dimmer

Pan: 540° +16 bit fine

Tilt: 270° +16 bit fine

Display: LCD colorful display

IP: IP20

Dimension:340*273*170mm ; NW:5.75 kgs

3. Control Menu

Menu Operation

Main Menu	2nd Menu	3rd Menu	4th Menu
DMX Address	000 - 512		
Fixture	Dmx Mode	STD / HSI	
	Run Mode	DMX / Host / Sound	
	Pan Invert	Close / Open	
	Tilt Invert	Close / Open	
	Sound Control	1 -- 30	
Manual	Pan	000 - 255	
	Pan Fine	000 - 255	
	Tilt	000 - 255	
	Tilt Fine	000 - 255	
	⋮	⋮	
Information	Time	Current Time	xxxH
		Total Time	xxxH
	Sensor	Pan	FALSE / TURE
		Tilt	FALSE / TURE
		Zoom	FALSE / TURE
		Temp	FALSE / TURE
	Temperature	Fan	FALSE / TURE
		Head Temp	xxxC
	Software Version	Panel	Vx.xx
			Vx.xx
		Vx.xx	
Factory	Password	000 - 255	
	Pan	000 - 255	
	Tilt	000 - 255	
	Zoom	000 - 255	
	Zoom Rotation	000 - 255	
	Red	000 - 255	
	Green	000 - 255	
	Blue	000 - 255	
	White	000 - 255	
Fixture Reset	Motor Reset	Cance / Run	
	Factory	Cance / Run	
Display	Language	CH / EN	
	Display Flip	Normal / Reverse	
	Display Mode	60s / Show	

4.DMX Channels

23 CH Mode

Channel	Features	value	Function
CH1	Pan	0--255	Pan movement control
CH2	Pan Fine	0--255	Pan fine control
CH3	Tilt	0--255	Tilt movement control
CH4	Tilt Fine	0--255	Tilt fine control
CH5	Pan/Tilt speed	0--255	Speed from fast to slow
CH6	Zoom	0--255	zoom
CH7	Zoom Rotation	0--127	manual rotation
		128--190	Rotate clockwise, the speed changes from fast to slow
		191--192	stop
		193--255	Rotate counterclockwise, the speed changes from slow to fast
CH8	Dimmer	0--255	0-100 linear dimmer from dark to bright
CH9	Strobe	0--3	Close
		4--103	Regular Strobe, Slow To Fast
		104--107	Open
		108--207	Pulse, Slow To Fast
		208--212	Open
		213--225	Random Slow Strobe
		226--238	Random Middle Speed Strobe
		239--251	Random Fast Strobe
252--255	Open		
CH10	R	0--255	1-100% Red linear dimmer from dark to bright
CH11	G	0--255	1-100% Green linear dimmer from dark to bright
CH12	B	0--255	1-100% Blue linear dimmer from dark to bright
CH13	W	0--255	1-100% White linear dimmer from dark to bright
CH14	CTO	0--255	Linear color temperature regulation
CH15	Macro	0--255	Color macro
CH16	Static effect	0--255	Static effect
CH17	Dynamic effect	0--255	Dynamic effect
CH18	Effect speed	0--255	Effect speed
CH19	Background R	0--255	Background R
CH20	Background G	0--255	Background G
CH21	Background B	0--255	Background B
CH22	Background W	0--255	Background W
CH23	Reset	0--250	No function
		251--255	The lamp body reset was valid for 5s

35 CH Mode

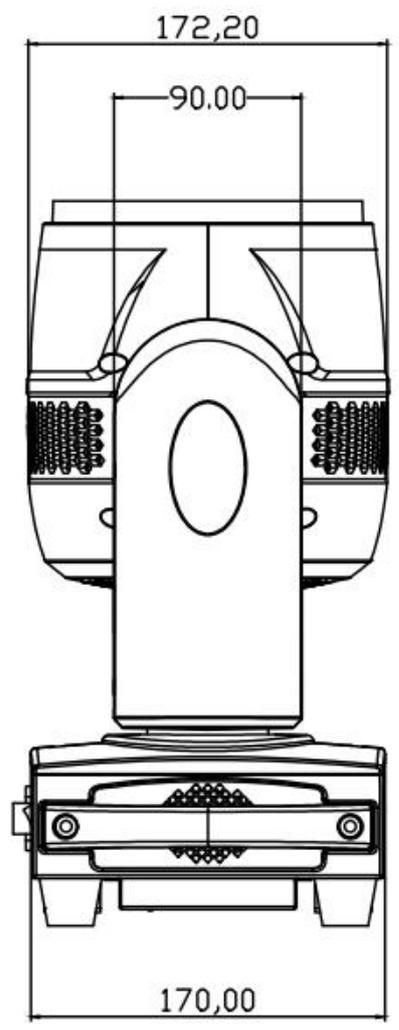
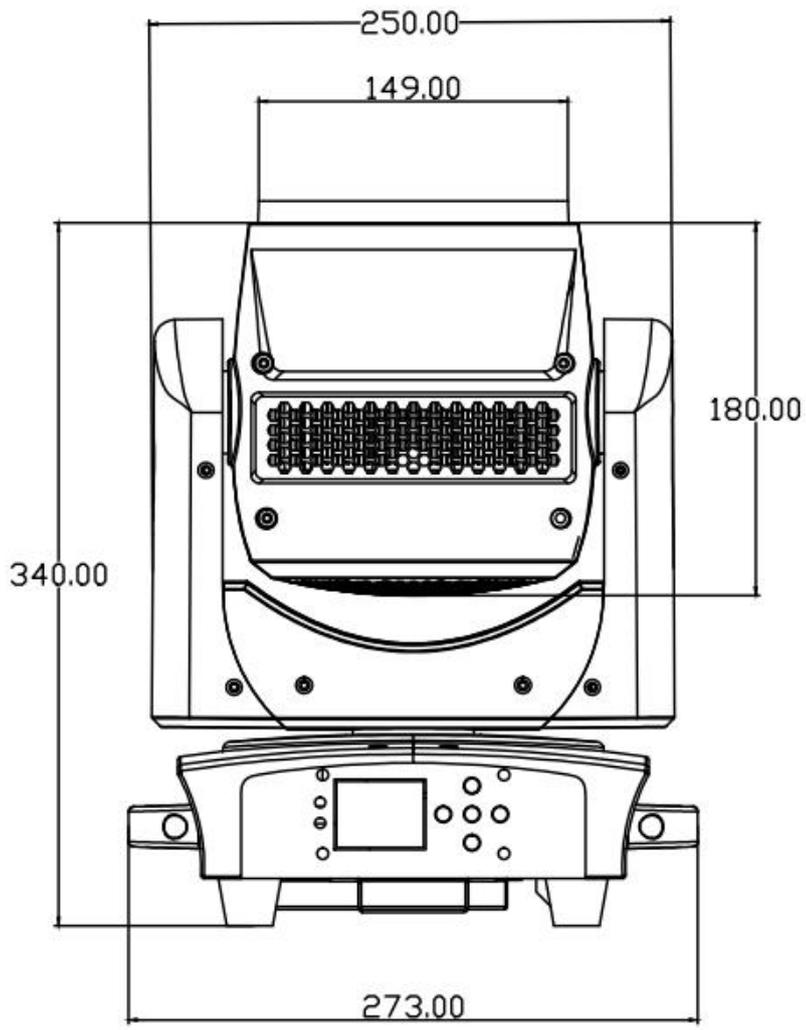
Channel	Features	value	Function
CH1	Red	0--255	Red Dimming
CH2	Red Fine	0--255	Red Fine
CH3	Green	0--255	Green Dimming
CH4	Green Fine	0--255	Green Fine

CH5	Blue	0--255	Blue Dimming
CH6	Blue Fine	0--255	Blue Fine
CH7	White	0--255	White Dimming
CH8	White fine	0--255	White fine
CH9	CTO	0--255	Linear color temperature regulation
CH10	Macro	0-255	Color macro
CH11	Strobe	0--3	Close
		4--103	Regular Strobe, Slow To Fast
		104--107	Open
		108--207	Pulse, Slow To Fast
		208--212	Open
		213--225	Random Slow Strobe
		226--238	Random Middle Speed Strobe
		239--251	Random Fast Strobe
252--255	Open		
CH12	Dimmer	0--255	Dimmer
CH13	Dimmer fine	0--255	Dimmer fine
CH14	Pan	0--255	Pan movement control
CH15	Pan Fine	0--255	Pan fine control
CH16	Tilt	0--255	Tilt movement control
CH17	Tilt Fine	0--255	Tilt fine control
CH18	Function	0--250	Background W
CH19	Reset	0--250	No function
		251--255	The lamp body reset was valid for 5s
CH20	Zoom	0--255	zoom
CH21	Zoom Rotation	0--127	manual rotation
		128--190	Rotate clockwise, the speed changes from fast to slow
		191--192	stop
		193--255	Rotate counterclockwise, the speed changes from slow to fast
CH22	Shape selection	0--255	Shape rotation
CH23	Shape speed	0--255	Shape effect speed control
CH24	Shape fade	0--255	Shape effect is downplayed
CH25	Shape R	0--255	Shape R
CH26	Shape G	0--255	Shape G
CH27	Shape B	0--255	Shape B
CH28	Shape W	0--255	Shape W
CH29	Shape dimmer	0--255	The effect with 0-100% dimming
CH30	Background dimmer	0--255	Background for 0-100% dimming
CH31	Shape transition	0--255	The shape effect change control
CH32	Shape offset	0--255	The effect angle adjustment
CH33	Foreground strobe	0--255	Foreground strobe
CH34	Background strobe	0--255	Background strobe
CH35	Background select	0--255	Background select

51CH Mode

Channel	Features	value	Function
CH1	Pan	0--255	Pan movement control
CH2	Pan Fine	0--255	Pan fine control
CH3	Tilt	0--255	Tilt movement control
CH4	Tilt Fine	0--255	Tilt fine control
CH5	Pan/Tilt speed	0--255	Speed from fast to slow
CH6	Zoom	0--255	zoom
CH7	Zoom Rotation	0--127	manual rotation
		128--190	Rotate clockwise, the speed changes from fast to slow
		191--192	stop
		193--255	Rotate counterclockwise, the speed changes from slow to fast
CH8	Dimmer	0--255	0-100 linear dimmer from dark to bright
CH9	Strobe	0--3	Close
		4--103	Regular Strobe, Slow To Fast
		104--107	Open
		108--207	Pulse, Slow To Fast
		208--212	Open
		213--225	Random Slow Strobe
		226--238	Random Middle Speed Strobe
		239--251	Random Fast Strobe
252--255	Open		
CH10	R	0--255	1-100% Red linear dimmer from dark to bright
CH11	G	0--255	1-100% Green linear dimmer from dark to bright
CH12	B	0--255	1-100% Blue linear dimmer from dark to bright
CH13	W	0--255	1-100% White linear dimmer from dark to bright
CH14	CTO	0--255	Linear color temperature regulation
CH15	Macro	0--255	Color macro
CH16	Static effect	0--255	Static effect
CH17	Dynamic effect	0--255	Dynamic effect
CH18	Effect speed	0--255	Effect speed
CH19	Background R	0--255	Background R
CH20	Background G	0--255	Background G
CH21	Background B	0--255	Background B
CH22	Background W	0--250	Background W
CH23	Reset	0--250	No function
		251--255	The lamp body reset was valid for 5s
CH24	R1 led dimming	0--255	R1 led dimming
CH25	G1 led dimming	0--255	G1 led dimming
CH26	B1 led dimming	0--255	B1 led dimming
CH27	W1 led dimming	0--255	W1 led dimming
.....
CH48	R7 led dimming	0--255	R7 led dimming
CH49	G7 led dimming	0--255	G7 led dimming
CH50	B7 led dimming	0--255	B7 led dimming
CH51	W7 led dimming	0--255	W7 led dimming

5.Dimension



6. 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.

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

7. 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.