



# Mover Mini Superbeam QUAD 4

CKU01-5034



## USER MANUAL

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# Introduction

Thank you for purchasing the ColorKey Mover Mini Superbeam QUAD 4. Please read these instructions carefully before use. Operating this fixture according to these instructions is important to avoid any possible damage or accidents caused by misuse.

## Packing list

- 1x Mover Mini Superbeam QUAD 4 moving head fixture
- 1x Bracket
- 1x Power cord
- User Manual

## Safety

**Caution!** Opening this unit voids warranty. Contact ColorKey for any service requests.

**Warning!** To avoid electrical shock, be sure to disconnect power before any service or when moving or setting up the fixture.

**Caution!** Avoid direct eye exposure with the fixture when on.

- This fixture is for indoor use only.
- This fixture must be installed a minimum distance of 5 meters (16'4") away from any lighted objects.
- Do not install or operate this fixture near flammable materials.
- This device must be installed, operated, and maintained by a qualified professional.
- Do not touch the fixture with bare hands during operation as the surface temperature of the fixture can exceed 60°C (140°F). Turn off power and wait 15 minutes for the fixture to cool before attempting to touch it.
- Please check if the voltage is in accordance with the rated power before installing.
- Do not operate this fixture if the power cord has been damaged. Turn off fixture and replace with a power cord of similar rating.

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# Display Operation



- MENU: Access the menu/Scroll through menu options
- ENTER: Open/Select the current menu option
- UP: Scroll through menu selection or parameter increase
- DOWN: Scroll through menu selection or parameters decrease

# Menu Guide

<b>Addr</b>	A001-A512	DMX 512 address
<b>CHnd</b>	10CH	10 channel setting
	17CH	17 channel setting
<b>SLnd</b>	MAST	Master mode
	SLAV	Console control
<b>SHnd</b>	Soud	Sound active
	Auto	Speed (sp0-sp9), Auto selection
<b>SEnS</b>	0-100	Sensitivity adjustment (Sound active)
<b>bLnd</b>	YES	Standby Mode (ON)
	no	Standby Mode (OFF)
<b>LEd</b>	OFF	LED display OFF (5 seconds later)
	ON	LED display ON (always)
<b>dISP</b>	no	Backward display(LED display)
	YES	Forward display(LED display)
<b>PAN</b>	YES	X-axis(motor) forward running
	no	X-axis(motor) backward running
<b>TILT</b>	YES	Y-axis(motor) forward running
	no	Y-axis(motor) backward running
<b>MANU</b>	PAN	X-axis(motor) manual test
	TILT	Y-axis(motor) manual test
	FOCU	
	RED	Red color (manual test)
	GREEN	Green color (manual test)
	BLUE	Blue color (manual test)
	WHITE	White color (manual test)
	DIMMER	Master dimming (manual test)
	STROBE	Strobe (manual test)
<b>TEST</b>		Auto test
<b>VER</b>	V104	Software version
<b>RSET</b>	YES	Reset

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# DMX Values

## 10 Channel mode

Ch	Value	Function
1	0-255	PAN running (0° - 540°)
2	0-255	TILT running (0° - 220°)
3	0-255	Motor speed (PAN / TILT), from fast to slow
4	0-127	Rotation motor: 360°running route locate
	128-191	Forward infinite rotation (from fast to slow)
	192-255	Forward infinite rotation (from slow to fast)
5	0-255	Master dimmer
6	0-255	Red dimming
7	0-255	Green dimming
8	0-255	Blue dimming
9	0-255	White dimming
10	0-15	Strobe
	16-255	Strobe (from slow to fast)

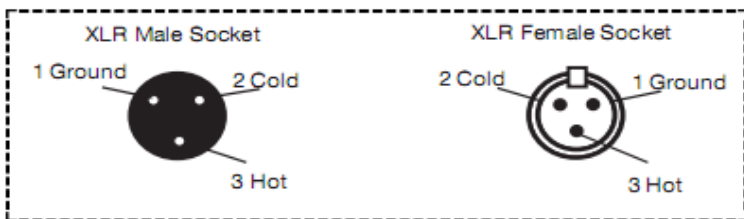
## 17 Channel mode

Ch	Value	Function
1	0-255	PAN running (0° - 540°)
2	0-255	Hint adjustment (PAN)
3	0-255	TILT running (0° - 220°)
4	0-255	Hint adjustment (TILT)
5	0-255	Motor speed (PAN / TILT), from fast to slow
6	0-127	Rotation motor: 360°running route locate
	128-191	Forward infinite rotation (from fast to slow)
	192-255	Forward infinite rotation (from slow to fast)
7	0-255	Master dimmer
8	0-255	Red dimming
9	0-255	Green dimming
10	0-255	Blue dimming
11	0-255	White dimming
12	0-15	Strobe
	16-255	Strobe (from slow to fast)
13	0-7	No function
	8-127	15 static colors
	128-191	Jump change color
	192-255	Glow change color
14	0-255	Color auto (slow to fast)
15	0-15	Motor effect (PAN/TILT): No function
	16-35	Effect 1
	36-55	Effect 2
	56-75	Effect 3
	76-95	Effect 4
	96-115	Effect 5
	116-135	Effect 6
	136-155	Effect 7
	156-175	Effect 8
	176-195	Effect 9
	196-215	Effect 10
	216-235	Effect 11
236-255	Effect 12	
16	0-255	Motor speed (PAN/TILT): from fast to slow
17	150-200	Reset

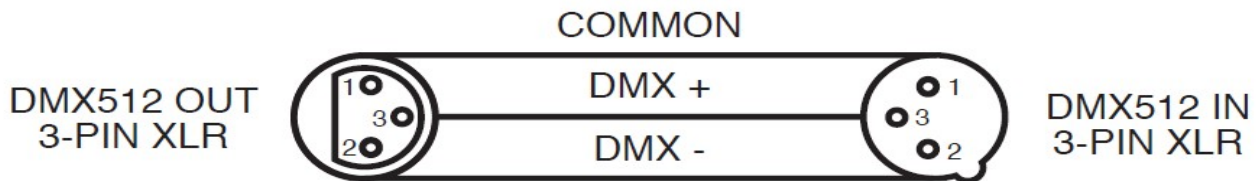
# DMX Connections

## ➤ DMX Cable:

The Mover Mini Superbeam QUAD 4 can be controlled via DMX using a 3-pin XLR connection. The standard DMX connection is XLR is: one end connects to the male plug, and the other connects to the female. As below: pin 1: ground, pin 2: negative signal, pin 3: positive signal



XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



Noted: In order to avoid failures and interference signal transmission, we connect a resistance  $120\Omega$  (  $1/4W$  ) at the end of the DMX connecting as below:



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance  $120\text{ Ohm } 1/4\text{ W}$ ) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

## ➤ The Conversion between 3 pin and 5 pin XLR

If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

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# Master/Slave Mode Operation

## Master/Slave

Master/Slave mode allows you to connect multiple units together using one (1) unit to control others in a chain. When a fixture is set to 'Master Mode,' this unit will always act as a controlling unit until it is switched out of 'Master Mode'. The Master unit will send out signal via DMX to Slave units which will react in synchronization. When a fixture is set into 'Slave Mode', this fixture will receive the Master signal. To avoid master signal and DMX signal interference, do not connect DMX when using Master/Slave mode. If using a DMX run longer than 60 meters and/or over 32 units, a signal amplifier may be required.

## Troubleshooting

Problem	Solutions
No DMX control	<ul style="list-style-type: none"><li>◆ Make sure that the DMX cable is properly connected</li><li>◆ Make sure that the DMX controller is operational</li><li>◆ Check the DMX cable for tears or breaks</li><li>◆ Make sure that the fixture is in DMX mode</li></ul>
Fixture does not respond to sound	<ul style="list-style-type: none"><li>◆ Make sure that the fixture is in Sound Active mode.</li></ul>



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# Technical Information

Power supply: AC110V-240V; 50-60HZ

Power consumption: 60W

Light source: 4 x 10W 4-in-1 LED's (RGBW)

Life span: up to 100,000 hours

Channel: 10ch/17ch

Control: Auto, Sound active, DMX512, Master/slave

Pulse frequency: 0-10HZ

Dimming: 0-100%

Pan: 540°

Tilt: 220°

IP rate: IP20

**Notice to consumer:** ColorKey offers a 1-year limited warranty. Please visit our website at [www.ColorKeyLED.com](http://www.ColorKeyLED.com) to register your product.

**Please note:** As we continue to work towards improving our products and your experience as a user, we recommend that you check our website periodically for updates to user manuals and specifications at [www.ColorKeyLED.com](http://www.ColorKeyLED.com) or you may contact us directly at [info@colorkeyled.com](mailto:info@colorkeyled.com).