



**ColorKey**  
creative lighting

# Mover Miniwash QUAD 4

CKU01-5033



## USER MANUAL

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# Introduction

Thank you for purchasing the ColorKey Mover Miniwash 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 Miniwash 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-A51 2	DMX 512
<b>CHnd</b>	16CH	16 channel
	18CH	18 channel
<b>SLnd</b>	Auto	Master Auto Mode
	Soun	Master Sound Mode
	SL 1	Console control
	SL 2	Slave Mode
<b>SHnd</b>	SH 0	Effect 0 (recommended)
	SH 1	Effect 1
	SH 2	Effect 2
	SH 3	Effect 3
<b>SEnS</b>	0-99	Sound sensitivity adjustment
<b>BLnd</b>	BLAc	No DMX signal (0)
	Auto	No DMX signal(Auto)
	Soun	No DMX signal(Sound active)
	Hold	No DMX signal (hold up to the latest Console Control situation)
<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>rPAN</b>	no	X-axis(motor) forward running (PAN)
	YES	X-axis(motor) backward running (PAN)
<b>rTiL</b>	no	Y-axis(motor) forward running (TILT)
	YES	Y-axis(motor) backward running (TILT)
<b>REST</b>	YES	Reset

# DMX Values

## 16 Channel mode

Ch	Function	Value
1	PAN running	0-255
2	TILT running	0-255
3	Speed adjustment	0-255
4	Dimmer	0-255
5	Strobe (from slow speed to fast speed)	0-255
6	Red dimming	0-255
7	Green dimming	0-255
8	Blue dimming	0-255
9	White dimming	0-255
10	Orange dimming	0-255
11	UV dimming	0-255
12	Motor	0-15 (no function)
		16-128 (fast speed Auto running & "sound active function" off)
		129-255 (slow speed Auto running & "sound active function" on)
13	Sensitivity adjustment (Sound active)	0-255
14	Colors	0-140 (change colors)
		141-255 (sound active with changing colors)
15	colors changing speed adjustment	0-255
16	No function	0-249
	Reset	250-255

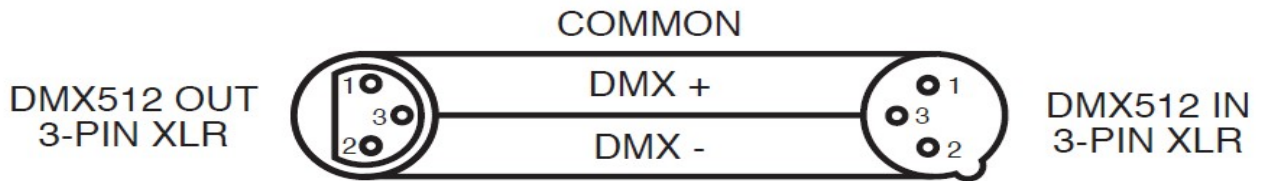
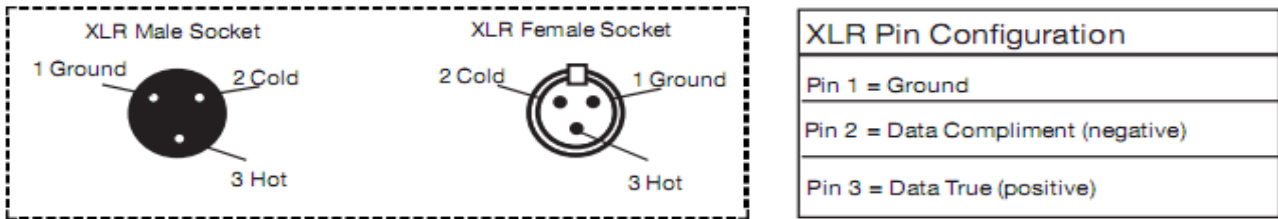
## 18 Channel mode

Channels	Function	Value
1	PAN running	0-255
2	Hint adjustment (PAN)	0-255
3	TILT running	0-255
4	Hint adjustment (TILT)	0-255
5	Speed adjustment	0-255
6	Dimmer	0-255
7	Strobe (from slow speed to fast speed)	0-255
8	Red dimming	0-255
9	Green dimming	0-255
10	Blue dimming	0-255
11	White dimming	0-255
12	Orange dimming	0-255
13	UV dimming	0-255
14	Motor	0-15 (no function)
		16-128 (fast speed Auto running & "sound active function" off)
		129-255 (slow speed Auto running & "sound active function" on)
15	Sensitivity adjustment (Sound active)	0-255
16	Colors	0-140 (change colors)
		141-255 (sound active with changing colors)
17	colors changing speed adjustment	0-255
18	No function	0-249
	Reset	250-255

# DMX Connections

➤ **DMX Cable:**

The Mover Miniwash 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



Noted: In order to avoid failures and interference signal transmission, we connect a resistance 120Ω ( 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 Ohm 1/4 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 12W 4-in-1 LED's (RGBW)

Life span: up to 100,000 hours

Beam Angle: 25°

Channel: 16ch/18ch

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

Pulse frequency: 0-10HZ

Dimming: 0-100%

Pan: 540°

Tilt: 270°

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).