



Mover MicroSpot

CKU01-5000 (US) / CKE01-5000 (EU)



USER MANUAL

Introduction

Thank you for purchasing the ColorKey Mover MicroSpot. 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 MicroSpot moving head fixture
- 1x Power cord
- User Manual

Safety

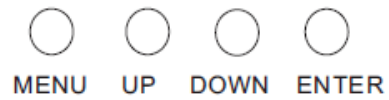
Caution! Opening this unit voids warranty. Contact ColorKey for any service requests.

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.

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

DMX Values

11 channel mode	9 channel mode	Value	Function
1	1	000-255	Pan
2			Pan (fine)
3	2	000-255	Tilt
4			Tilt (fine)
5	3		Color
		000-007	Color 1
		008-014	Color 2
		015-021	Color 3
		022-028	Color 4
		029-035	Color 5
		036-042	Color 6
		043-049	Color 7
		050-056	Color 8
		057-127	Half color
		128-189	Color wheel speed (fast-slow)
		190-193	Stop
	194-255	Color wheel speed (slow-fast)	
6	4		Gobo
		000-007	Gobo 1
		008-015	Gobo 2
		016-023	Gobo 3
		024-031	Gobo 4
		032-039	Gobo 5
		040-047	Gobo 6
		048-055	Gobo 7
		056-063	Gobo 8
		064-071	Gobo 1 shake
		072-079	Gobo 2 shake
		080-087	Gobo 3 shake
		088-095	Gobo 4 shake
		096-103	Gobo 5 shake
		104-111	Gobo 6 shake
		112-119	Gobo 7 shake
		120-127	Gobo 8 shake
		128-189	Gobo wheel speed (fast-slow)
	190-193	Stop	
	194-255	Gobo wheel speed (slow-fast)	
7	5	000-255	Strobe
8	6	000-255	Dimmer
9	7	000-255	Pan/Tilt speed

10	8	000-069	-
		070-079	Black out when Pan/Tilt rotating
		080-089	-
		090-099	Black out when Color wheel rotating
		100-109	-
		110-119	Black out when Gobo wheel rotating
		120-199	-
		200-209	Reset
		210-249	-
		250-255	Sound function
11	9	000-255	Dimming mode

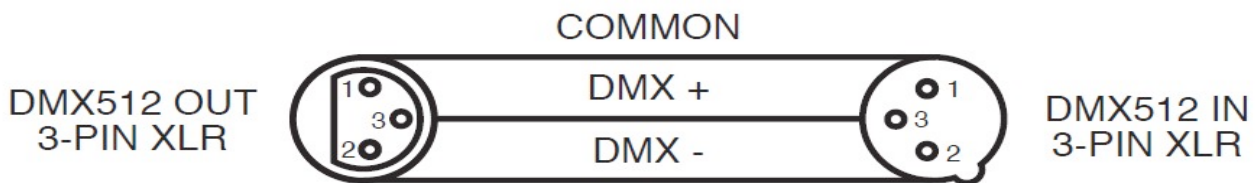
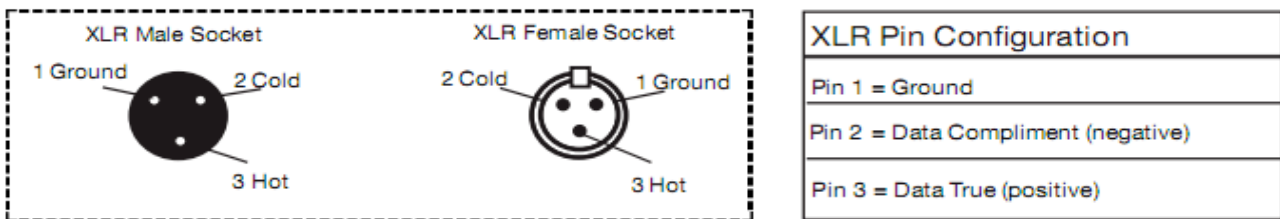
Menu Guide

	Main Menu	Sub Menu	Function
Menu	ADDR	0-512	DMX addressing
	CHND	8CH/10CH	Channel section
	SLMD	MAST	Mast mode
		SL1	Slave mode 1
		SL2	Slave mode 2
	SHND	SH1	Sound operation 1
		SH2	Sound operation 2
		SH3	Sound operation 3
		SH4	Sound operation 4
	SOUN	ON	ON (sound function)
		OFF	OFF (sound function)
	SENS	000-100	Sensor sensitivity (Sound function)
	LED	ON	ON (LED display)
		OFF	OFF(LED display OFF with no operation to LED panel in one minute)
	DISP-INVERT		LED display (forward/backward)
	PAN INVERT	YES	PAN forward rotation
		NO	PAN backward rotation
TILT INVERT	YES	Tilt forward rotation	
	NO	Tilt backward rotation	
TEST	Self-Test	Auto running in "self-test" function	
VER	Software version	Software version	
RESET	Reset	Reset	

DMX Connections

➤ DMX Cable:

The Mover MicroSpot 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 $120\text{ Ohm } 1/4\text{ W}$) 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

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">◆ Make sure that the DMX cable is properly connected◆ Make sure that the DMX controller is operational◆ Check the DMX cable for tears or breaks◆ Make sure that the fixture is in DMX mode
Fixture does not respond to sound	<ul style="list-style-type: none">◆ Make sure that the fixture is in Sound Active mode.

Technical Information

Power supply: AC 110~240V, 50/60Hz

Power consumption: 27W

Light Source: 1x10W white LED

Life span: 60,000 hours

Beam angle: 13°

Channel: 9/11 DMX channel

Color: 7 colors plus open (white)

Gobo: 7 gobos plus open

Electronic adjustable strobe with high speed

Pan: 540°

Tilt: 270°

Control: Sound activate, master/slave, Automatic, DMX

Standard DMX512 control protocol

Working Environment: up to 40°C; Over heating protection

IP rate: IP20

Notice to consumer: ColorKey offers a 1-year limited warranty. Please visit our website at 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 or you may contact us directly at info@colorkeyled.com.