



Mover Beam 7

CKU01-5030 (US) / CKE01-5030 (EU)



USER MANUAL

Introduction

Thank you for purchasing the ColorKey Mover Beam 7. 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 Beam 7 moving head fixture
- 1x DMX cable
- 1x Power cord
- User Manual

Safety

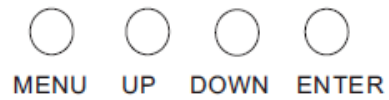
Caution! Opening this unit voids warranty. Contact ColorKey for any service requests.

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

Channel	Value	Function
1	0-255	X Motor
2	0-255	X trimming (16Bit)
3	0-255	Y Motor
4	0-255	Y trimming (16Bit)
5	0	No strobe
	1-255	Strobe from slow to fast
6	0-255	The total dimming open
7	0-255	Red from dark to light dimming
8	0-255	Green from dark to light dimming
9	0-255	Blue from dark to light dimming
10	0-255	White from dark to light dimming
11	0-255	User-defined from dark to light dimming
12	0	Do not call the macro function
	1~25	Enable console delay
	26-50	Close the console delay
	51-90	Color selection switch program
	91-130	Variable pulse
	131-170	Hopping
	171-210	Gradient
	211-250	Internal Mode 1 (not controlled)
	251-255	Sound mode (not controlled)
13	0-255	Pulse change, jump change, gradual change from slow
	0	Do not use color selection function
	1~20	R255 G↑ B0 W0
	21~40	R↓ G255 B0 W0
	41~60	R0 G255 B↑ W0
	61-80	R0 G↓ B255 W0
	81-100	R↑ G0 B255 W0
	101-120	R255 G0 B↓ W0
	121-140	R255 G↑ B↑ W0
	141-160	R↓ G↓ B255 W0
	161-170	R255 G255 B255 W255
	171-200	R0 G0 B0 W0
	201-205	R242 G204 B5 W227
	206-210	R242 G215 B5 W227
	211-215	R255 G255 B50 W255
	216-220	R255 G255 B90 W255
	221-225	R255 G255 B118 W255
	226-230	R255 G255 B132 W255
	231-235	R255 G255 B151 W255
	236-240	R255 G255 B171 W255
	241-245	R255 G255 B185 W255
246-250	R255 G255 B197 W255	
251-255	R255 G255 B234 W255	

14	0-255	XY motor speed from fast to slow
15	0-244	None
	245-255	Reset

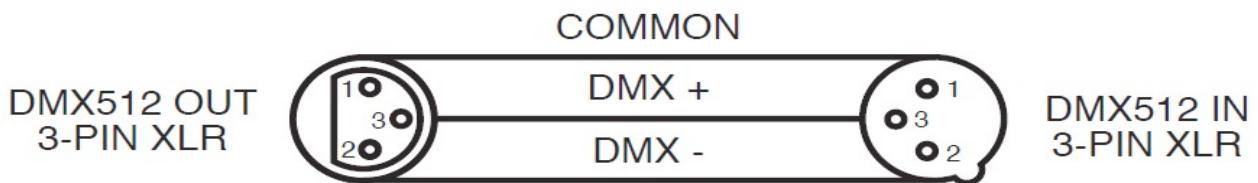
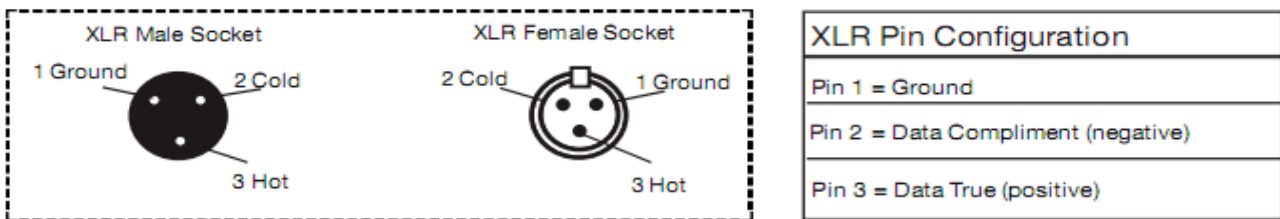
Menu Guide

Menu	Sub-Menu
Address	Address Settings (1-512)
Run Mode	Console mode (15channel +11 channel)
	Auto Mode (Auto 1 - Automatic 8)
	Sound Mode
Test Mode	X-axis motor (0-255)
	Y-axis motor (0-255)
	Red (0-255)
	Green (0-255)
	Blue (0-255)
	White (0-255)
Language	Chinese
	English
Advanced	ID code (0-25)
	X-axis inverted (on / off)
	Y-axis inverted (on / off)
	Putter delay (on / off)
	Signal connection (on / off)
	Encoder disk (on / off)
	Temperature protection (on / off)
	Temperature setting (50 degrees - 120 degrees)
	Temperature setting (50 degrees - 120 degrees)
	Screen rotation (on / off)
	Factory settings (confirm?)
	Motor reset (confirm?)
	X-axis correction
	Y-axis correction
System	Power (the power-running time)
	Running time (total time used)
	Software Version
	Run Mode
	Address code
	Temperature (actual temperature detected)

DMX Connections

➤ DMX Cable:

The Mover Beam 7 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: AC100-250V, 60/50Hz

Light source: 7x10w 4-in-1 LED's (RGBW)

Power consumption: 100W

Lamp life span: up to 50,000 hrs

Beam angle: 2°

Channel: 15 channels

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

Pan: 540°

Tilt : 270°

Digital strobe, speed adjustable (0~100%)

Digital dimmer (0~100%)

Built-in movement macros master/slave or DMX

LED display menu with invert

Fan cooled

ID selectable by DMX controller

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.