



TriStar

Tri-Color LED Centerpiece

CKU01-1010 (US) / CKE01-1010 (EU)



USER MANUAL

Introduction

Thank you for purchasing the ColorKey TriStar. 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 TriStar 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.

DMX Addressing

Dip Switch	Auto		Sound active	From the machine	DMX
1	Motor speed		XX	ON	1 to 9 are the DMX address
2	OFF slow / ON fast		XX	OFF	
3	LED speed		XX	OFF	
4	OFF slow / ON fast		XX	OFF	
5	OFF the seven colors jump ON to gradient	ON Red	XX	OFF	
6	As a host ON flicker OFF strobe	ON Green	XX	OFF	
7	XX	ON Blue	XX	OFF	
8	OFF	ON	XX	OFF	
9	OFF	OFF	ON	OFF	
10	ON	ON	ON	OFF	OFF

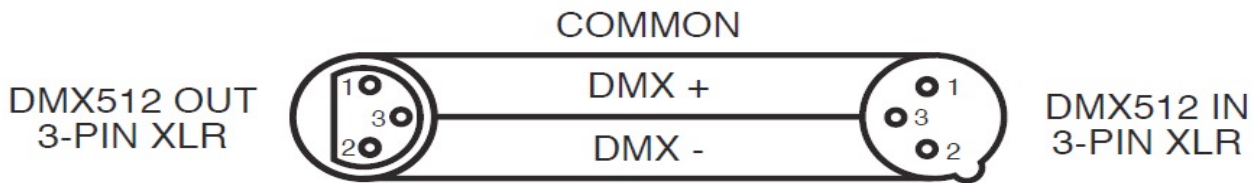
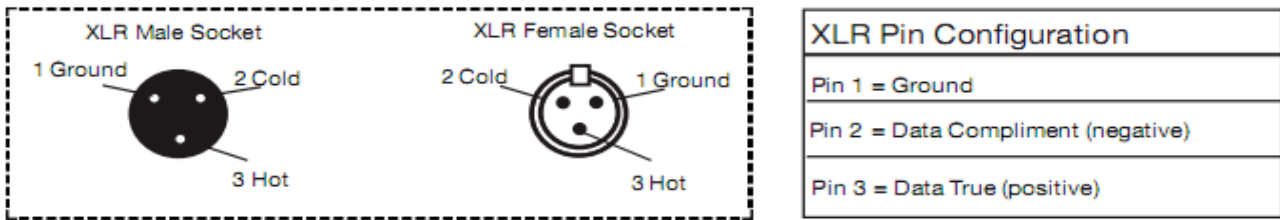
DMX Channels

Channel	Value	Function
CH1	0-127	Motor position
	128-191	Rotation (fast to slow)
	192-255	Reverse Rotation (fast to slow)
CH2	0	Strobe effect
	1-255	Strobe speed (slow to fast)
CH3	0	Red OFF
	1-255	Red DIM
CH4	0	Green OFF
	1-255	Green DIM
CH5	0	Blue OFF
	1-255	Blue DIM
CH6	0-10	CH1 to CH5
	11-33	Au01
	34-57	Au02
	58-81	Au03
	...	Au04-09
	250-255	Au010 Sound control effect
CH7	0-255	LED Programs (fast to slow)

DMX Connections

DMX Cable:

The TriStar 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

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: AC110V-230V 60/50Hz

Light source: 3x3W RGB LED units

Power Consumption: 30W

Channel: 7 channels

Control: DMX, Master/Slave, sound activated, auto

Working temperature: Indoor -20°C ~ 40°C

Protection rating: 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.