

Cove LED 200

Cool White & Warm White LED Par/Wash



User Manual

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1. Introduction and Setup

Unpacking and In the Box

Thank you for choosing our Cove LED 200. For your own safety, please read this manual before installing or using the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual for future needs.

Inside the box you will find:

- The Cove LED 200 Fixture – 1
- Power Cable - 1
- DMX Signal Cable - 1
- Owners Manual - 1

Mounting and Operation

Use a clamp rated for the full weight of the LED Cove 200 to hang the fixture from the mount(s) on the fixture's yoke.

As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly or on the yoke.

Features

- Variable white LED par/wash lighting
- 200w COB LED for high brightness
- DMX Control and Standalone Modes

Safety Precautions

Caution: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 items the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decoration etc.).

·Don't try to modify the fixture without any instruction by the manufacturer or the appointed repairing agencies.

·Warranty is voided if there are any malfunctions from not following the user manual while operating or any hazardous operation, like shock, short circuit, electronic shock, lamp broken, etc.

Customer Support

WARRANTY POLICY

GAMMA LED Vision warrants its products for the periods set below from the date of purchase to be free of manufacturer and workmanship defects. Warranty does not cover normal wear and tear caused by force, negligence or misuse of products. GAMMA LED Vision is not responsible for any damages or injury caused by misuse or improper handling of the products and in accordance with instructions and specifications of manual.

Warranty terms are as follows:

LED Fixtures:

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Lamp Fixtures: 1 year / excludes the lamp

LED Video Products:

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Controllers: 2 years

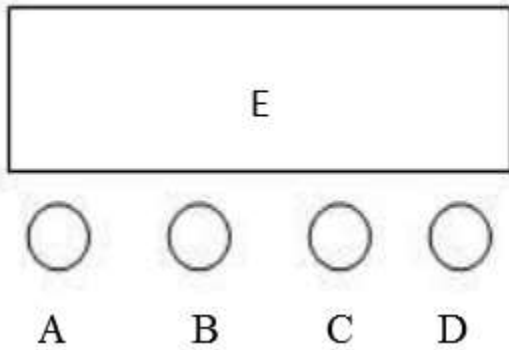
Batteries: 6 months

All Trussing Related Products and Accessories: 1 Year

Please visit WWW.GAMMALEDVISION.COM for complete Limited Warranty terms and contact information.

2. Setup and Operation

Using the LCD Menu and Buttons



- A. Menu
- B. Up
- C. Down
- D. Enter
- E. LED display

Operation instructions:

Press “Menu” to choose different options.

Press “Up” or “Down” to set the option.

Press “Enter” to confirm and save.

No.	Menu	Description
1	A001	6CH (A6CH, b6CH) 4CH(A4CH,b4CH) 2CH (A2CH,b2CH)
2	CC00	Chase Mode (00-99)
3	CP00	Fade Mode (00-99)
4	dE00	Pulse Mode (00-99)
5	BebE	Sound-Active Mode
6	Y255	Cool White (000—255)
7	o255	Warm White 000—255)
8	On/Off	LCD Display on/off when inactive.

DMX Basics

DMX512 stands for digital multiplex 512. This means that 512 channels are controlled digitally through 1 data cable.

A channel is a set of 255 steps that are assigned to control attributes in each light. This may be a color like red, green or blue, and intensity, strobe, pan/tilt or other attributes.

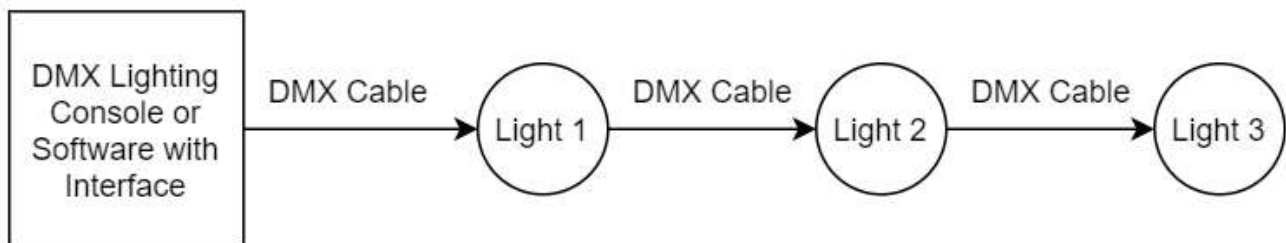
Multiple sets of 512 "universes" may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

DMX Wiring

DMX works by connecting 1 or multiple lights to the output of a DMX lighting console or software with a DMX interface.

DMX lights connect in what is called a "daisy-chain". Your first DMX cable will plug its male DMX connector into the female DMX connector on your lighting console. The remaining female connector will then connect to the DMX input on your first light.

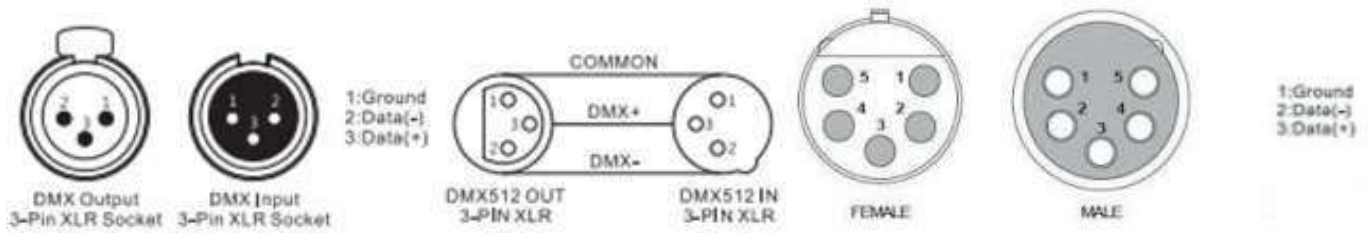
You may then connect your next fixture to the output of your first light, and continue the chain.



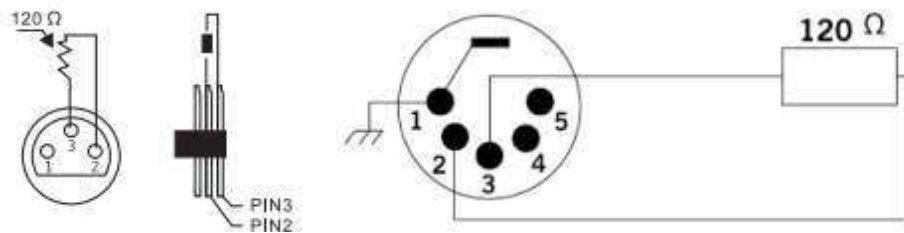
32 Fixture Rule – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

DMX Cables can be 3-pin or 5-pin. These use the same type of data, and in the 5-pin only pins 1, 2, and 3 are used. The cable should be a 2 conductor, shielded cable of at least 110 ohms resistance. Microphone cable is not DMX cable.

Please refer to the diagram below:



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise and reflections. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below:



DMX Modes and Configuration

The Cove LED 200 has multiple DMX modes, sometimes called “personalities”, “profiles”, or as we will use here “modes”.

In general, modes with more DMX channels offer a greater level of control or options but take up more of your output channels on your lighting console or software.

Modes with less DMX channels often offer less control, but may be plenty for your needs. *Depending on your needs and control solution, you may not need channels for automated programs, strobes, or macros – your console may have great effects! In this case, you can use a lesser channel mode and fit more lights per DMX universe.*

View the DMX mode charts below to find the mode that best suits your needs.

DMX Channel Mode Sheet:

On the left side of the sheet you will see the different modes and which channel corresponds to each function listed on the right in the given mode.

A2CH

A2CH	Function	Description
1	Master dimmer	Master Dimmer, 0-100%
2	Strobe	Master Strobe, Slow to Fast

b2CH

A4CH	Function	Description
1	Cool White	Cool White Dimmer, 0-100%
2	Warm White	Warm White Dimmer, 0-100%

A4CH

A4CH	Function	Description
1	Master dimmer	Master Dimmer, 0-100%
2	Cool White	Cool White Dimmer, 0-100%
3	Warm White	Warm White Dimmer, 0-100%
4	Strobe	Master Strobe, Slow to Fast

A6CH

A6CH	Function	Description
1	Master dimmer	Master Dimmer, 0-100%
2	Strobe	Master Strobe, Slow to Fast

3	Macros	0-50 DMX Control 51-100 – Chase 101-150 – Fade 151-200 – Color Pulse 201-255 – Sound-Active Mode
4	Macro Speed	Macro Speed, Slow to Fast
5	Cool White	Cool White Dimmer, 0-100%
6	Warm White	Warm White Dimmer, 0-100%

b4CH

b4CH	Function	Description
1	Master dimmer	Master Dimmer, 0-100%
2	Strobe	Master Strobe, Slow to Fast
3	Macros	0-50 DMX Control 51-100 – Chase 101-150 – Fade 151-200 – Color Pulse 201-255 – Sound-Active Mode
4	Macro Speed	Macro Speed, Slow to Fast

b6CH

b6CH	Function	Description
1	Master dimmer	Master Dimmer, 0-100%
2	Cool White	Cool White Dimmer, 0-100%
3	Warm White	Warm White Dimmer, 0-100%
4	Strobe	Macro Speed, Slow to Fast
5	Macros	0-50 DMX Control 51-100 – Chase 101-150 – Fade 151-200 – Color Pulse 201-255 – Sound-Active Mode
6	Macro Speed	Macro Speed, Slow to Fast

3. Maintenance

Routine Maintenance

Troubleshooting Problems

The following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work:

- Check that the unit is plugged in to a working power connector.
- Press the menu button to confirm that the unit is powered on. If the screen does not light up, the unit has no power.

B. Not Responding to the DMX Controller

- Check DMX cables to verify that they are plugged in and functional.
- Check the DMX address and mode – does it match the address and mode patched in the lighting console or software?
- Plug the light directly into the DMX controller with a cable that you know is good. Unplug all other lights – does it work?
- Try to use another DMX controller.

4. Technical Specifications

- ◆ Voltage: 100-240v AC, 50-60Hz
- ◆ Light Source: 200w 2-In-1 CW/WW COB LED
- ◆ DMX Channel Modes: 2/4/6 in A and B Variations
- ◆ Dimmer: 0-100% Linear
- ◆ Beam Angle: 38 degrees
- ◆ Working temperature: -30°C~50°C
- ◆ Control Modes: DMX512, Auto Run, Master/Slave, Sound-Active
- ◆ Strobe: Variable Speed, 1-30Hz
- ◆ Housing: Metal, Black
- ◆ Data: XLR In/Out, PowerCon In/Out
- ◆ IP Grade: IP20
- ◆ Weight: 6.0kg

Photometric Reports

Distance	FC at Center, Full White	FC at Center, Warm White	FC at Center, Cool White
1m	1223	568	599
2m	256	129	138
3m	114	63	60
5m	39.4	19.7	21
7m	19.7	10.6	11.7