# Cineroid®

Cinema & Broadcasting Equipment

**FULL COLOR**

# FLEXIBLE LED LIGHT

## CFL400 | CFL800

## Safety Instructions / User's Manual

RGBW full range with white light / LED Panel of enhanced flexibility
Metal Ballast / CRI 95 or above / Ball mount bracket with 16mm spigot
Color temperature 2700ºK ~ 6500ºK / Extension up to 10 meter
100% dimming / DMX Built-in / Battery charging / Real time synchro
Custom effect / 6 Preset reserve / USB 5V output / USB Firmware update

www.cineroid.com

## Thank you for purchasing the Cineroid.

The Cineroid CFL LED Light is high quality RGBW soft light with portable size. Light weight and thin panel makes easy to use and getting around any type, environment. Please thoroughly read the user manual for best operation and understanding of all of the functions of the Cineroid LED light.

## Test Before Operating

It is recommended to test the device before operating. Check if the LED Light can be turned on once powered, and check if the information/menu is being properly displayed on the LCD.

## Safety Precautions

Please observe the following safety precautions as they are meant for the safe and proper use of the product to reduce the risk of accidents. Upon reading the user manual, keep it in a safe and available place.

◎ Do not use any batteries, power cord, or accessories that are not specified in this document.
  when your hands are wet. When unplugging the power cord, grasp the plug body or adapter instead of the cord.

◎ Power cords that are scratched, heavily bent or twisted can potentially be hazardous and a source of electric shock and/or fire.

◎ Do not insert foreign objects into the product's electric or cable components.

◎ Do not place the power cord near sources of heat as this may melt or cause damage to the cord potentially causing fire or electric shock.

◎ Do not disassemble or modify the product. This may damage the product and cause danger due to a malfunction.

◎ Please keep the product out of reach of young children. Injuries may occur due to damage to the product.

◎ When using the product in an airplane or hospital setting, it is recommended to acquire authorization first as signals or electro-magnetic waves from the product may cause other equipment to malfunction.

◎ Do not store the product in a dusty or humid environment as damage may occur.

◎ When the product is mounted on a camera, do not lift or move the camera by grabbing the product. This may cause damage to the product or the camera mount.

◎ Do not clean the product with paint thinner, benzene, or other volatile solvents. This may cause damage to the product and become a fire hazard.

◎ This product is not waterproof. If the product is dropped in water, contact the service center immediately.

English

## Table of Contents

### Before Using

## Operating

## System

English

## CFL400 Package Contents

Please ensure all parts are present after opening the box.

### CFL400 Single Set

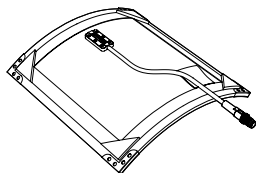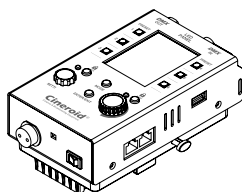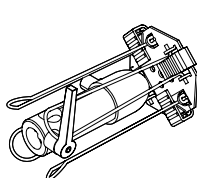| | |
|---|---|
| CFL400V | LED Panel, Ballast(V-Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |
| CFL400G | LED Panel, Ballast(G-Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |
| CFL400N | LED Panel, Ballast(without Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |

### CFL400 3 Set

| | |
|---|---|
| CFL400-3V | LED Panel x3, Ballast(V-Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |
| CFL400-3G | LED Panel x3, Ballast(G-Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |
| CFL400-3N | LED Panel x3, Ballast(without Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |

English

LED Panel

Ballast

X-Bracket
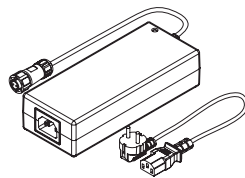
AC Adapter
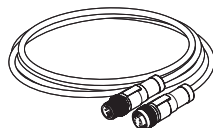
Extension Cable
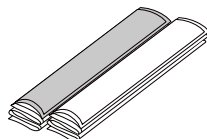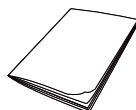
Soft Diffuser

Manual

Carrying Bag

## CFL800 Package Contents

Please ensure all parts are present after opening the box.

### CFL800 Single Set

| | |
|---|---|
| CFL800V | LED Panel, Ballast(V-Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |
| CFL800G | LED Panel, Ballast(G-Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |
| CFL800N | LED Panel, Ballast(without Battery Mount), Soft Diffuser, Bracket with spigot, AC Adapter, Carrying Bag, Manual |

### CFL800 3 Set

| | |
|---|---|
| CFL800-3V | LED Panel x3, Ballast(V-Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |
| CFL800-3G | LED Panel x3, Ballast(G-Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |
| CFL800-3N | LED Panel x3, Ballast(without Battery Mount) x3, Soft Diffuser x3, Bracket with spigot x3, AC Adapter x3, Carrying Bag, Manual |

English
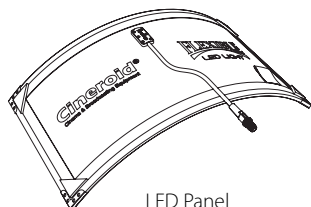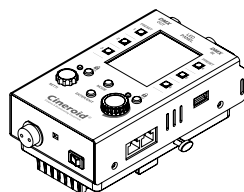
LED Panel

Ballast
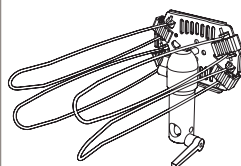
H-Bracket
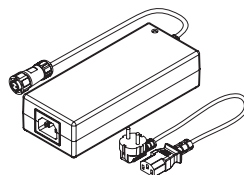
AC Adapter
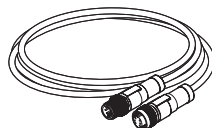
Extension Cable
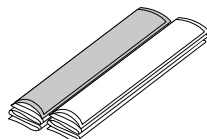
Soft Diffuser
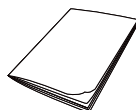
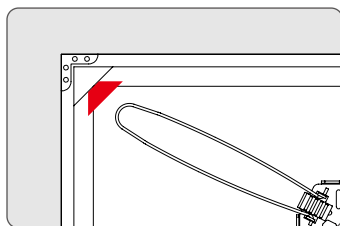Manual
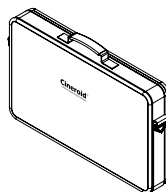
Carrying Bag

## Name of each part

LED Panel with Bracket

Velcro

Ball Head Knob

16mm female Spigot
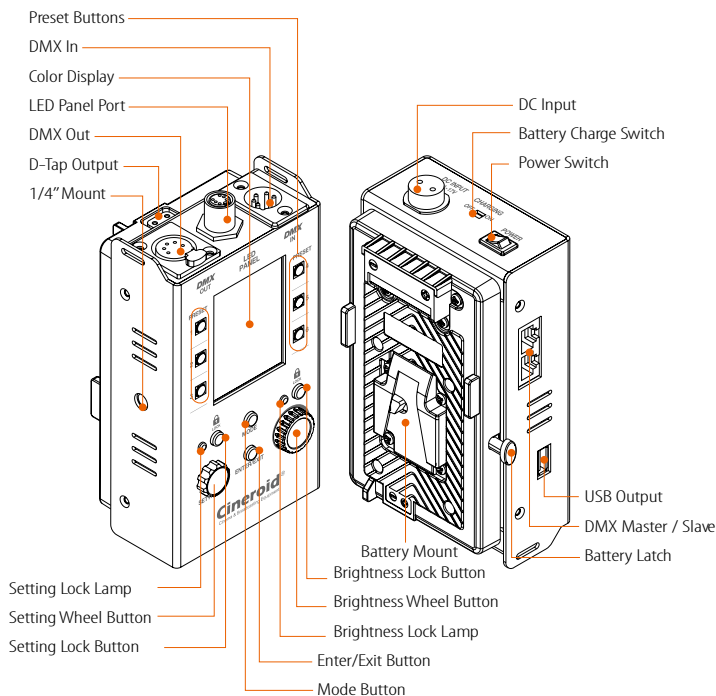
1/4" Lever

6 pin Connenctor
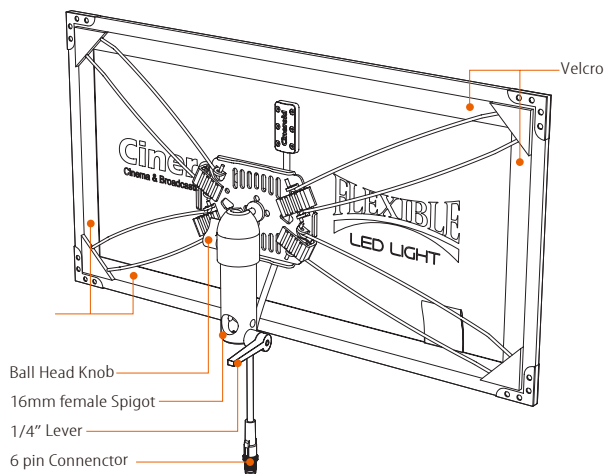
### Set LED Panel on the Bracket

To combine the LED panel with the bracket, rotate the 4 screws of the bracket by pressing and screwing them together.

# Name of each part

English

## Ballast



Preset Buttons
DMX In
Color Display
LED Panel Port
DMX Out
D-Tap Output
1/4" Mount

DC Input
Battery Charge Switch
Power Switch

USB Output
DMX Master / Slave
Battery Latch

Battery Mount
Brightness Lock Button
Brightness Wheel Button
Brightness Lock Lamp
Enter/Exit Button
Mode Button

Setting Lock Lamp
Setting Wheel Button
Setting Lock Button
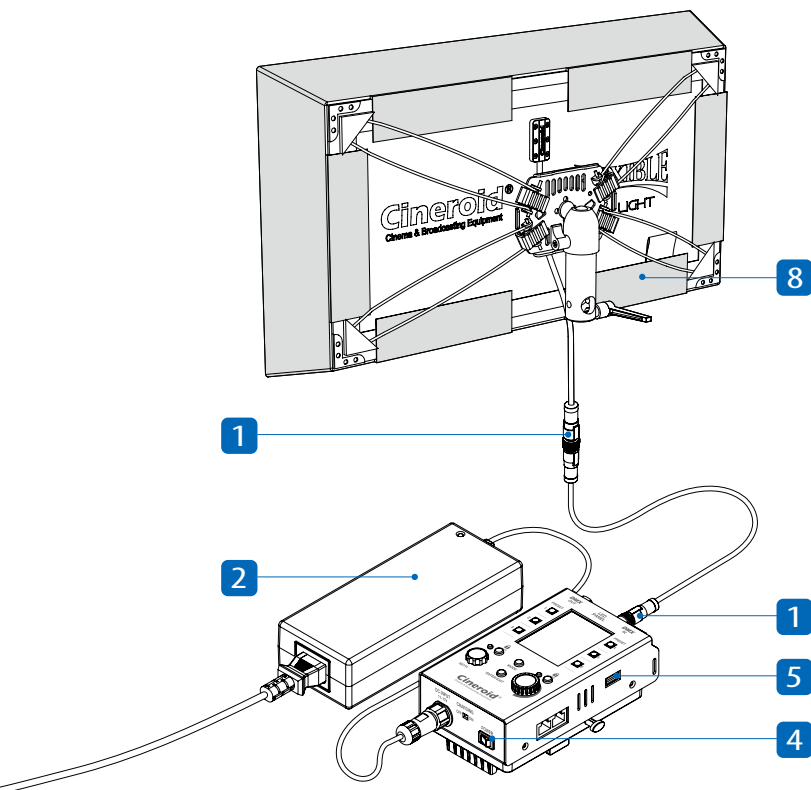
## Before Using

# Before Using

## 1 Connect LED Panel to the Ballast

Connect the LED panel and ballast connectors.
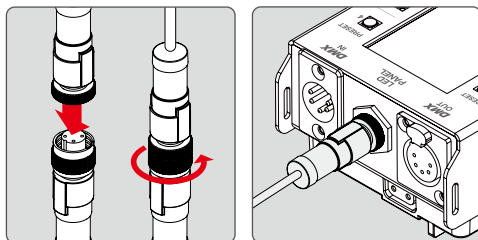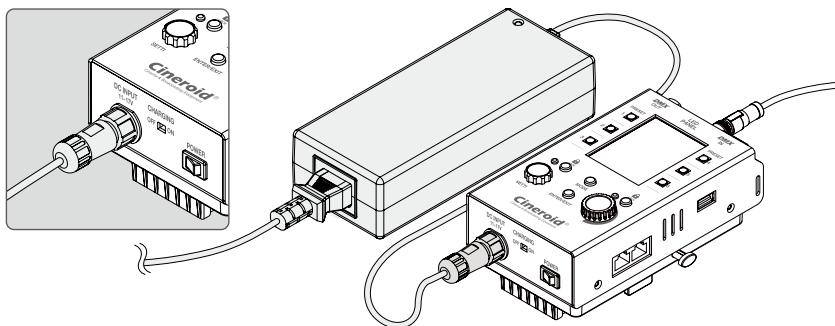And then screw the nut to tight. It can be used
extension cable between connectors.(optional)



## 2 Input the Power by DC

Connect the LED panel and ballast connectors.
And then screw the nut to tight.

## Before Using
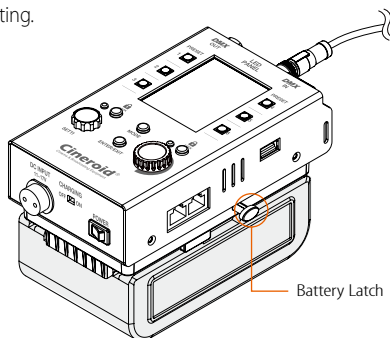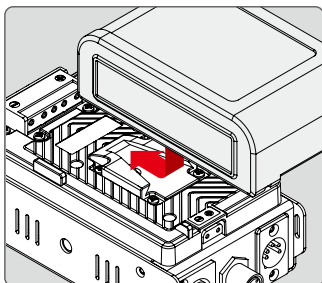
### 3   Input the Power by Battery (CL-DV/CL-DG)

Insert the correct type battery to the battery port.
Turn on the power button to check the LCD.
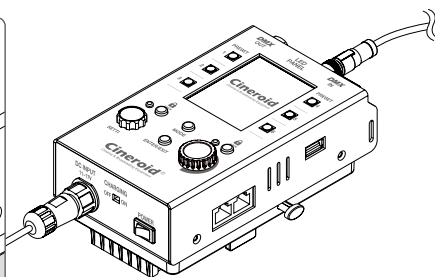When removing the battery, press the detach latch and
remove the battery in reverse order of mounting.



Battery Latch

### 4   Power On / Off

Press the button to turn on the controller.
The CINEROID logo appears briefly on the
controller screen.
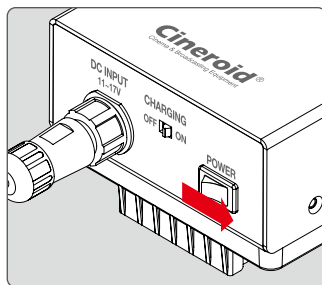
## Before Using

### 5   USB Output

Ballast can be used in a 5V, 1A USB output. Connect the power to the controller and use it with the switch turned on.

### 6   D-Tap Output (CL-DV/CL-DG)

CL-DV or CL-DG Ballast can be used D-tap output. After attaching the battery to the battery mount, turn on the power and use the D-tap cable. (D-tap cable not included)
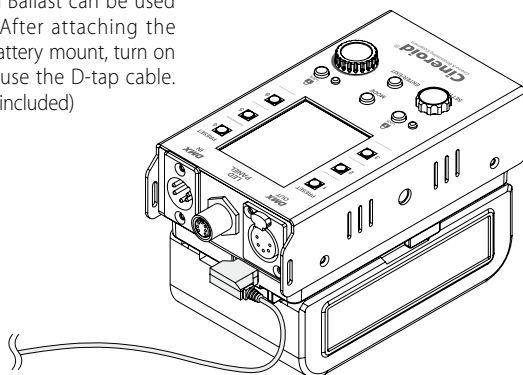
## Before Using

### 7　Charging the Battery

V or G Battery can be charged on the ballast throgh DC power.
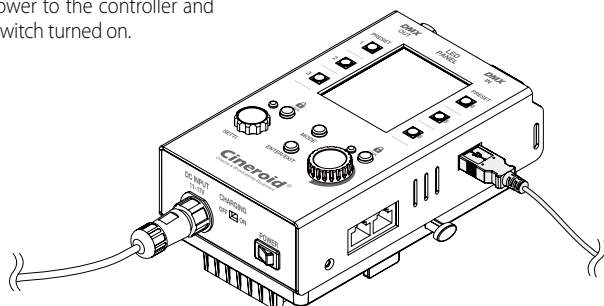Install the battery to the ballast, turn off the power switch while
DC power is connected, and turn on the Charging switch.
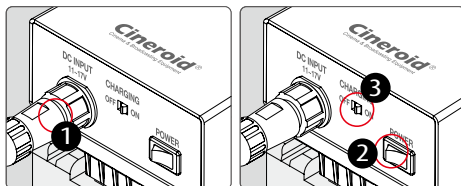


When the battery is charging, the charging icon is displayed
in red on the screen and it is displayed in green when
charging is complete.
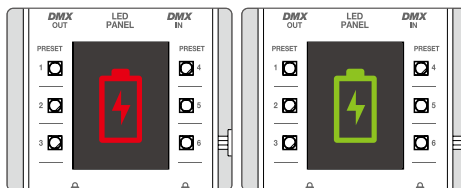


Charging　　　　　　　Charging Complete
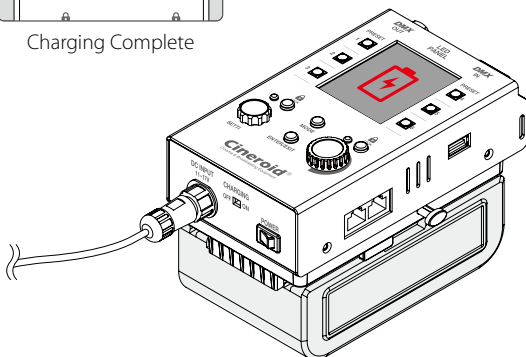
## Before Using

### 8   Set the Soft Box

Install the Soft Box Body first. Open Soft Box Body and attach it to the Velcro on the back of the LED panel. After installing the Soft Box Body, cover the Soft Diffuser to the Velcro outside Soft Box Body.



Soft Box Body

Soft Diffuser
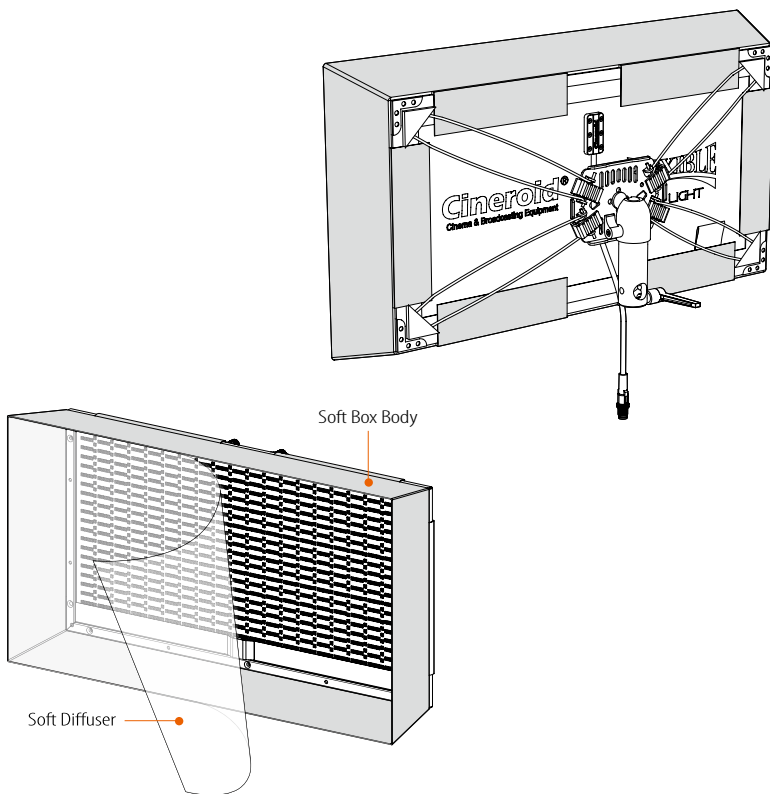
## Operating

### 1  Basic Operation
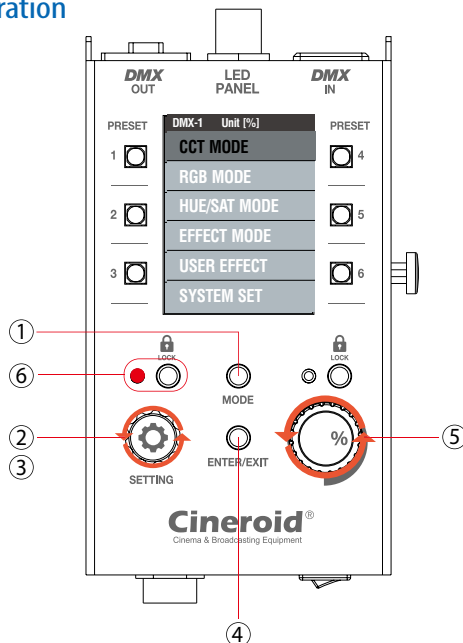


1. Access the LED mode menu by pressing the mode button on Ballast.
2. Turn the Setting Button to set the value and press the Setting Button to complete the setting.
3. Press Exit Button to return to the previous screen.
4. Brightness Wheel is only used to adjust the brightness.
5. You can lock the setting button and brightness respectively. When the button is pressed, the corresponding Lock Button Lamp lights and the button can not be operated. Press it again to release the lock.
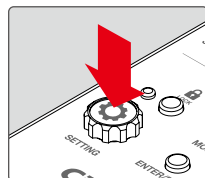


Pressing Setting button

## Operating

### 2 CCT Mode (White Color)

#### ① Brightness

Turning the brightness wheel button to the right to increase brightness. Turn to the left to decrease brightness. You can adjust the Brightness by 0~100% dimming.

#### ② Color Temperature

Turn the Setting Button to the right increases Color temperature and left decreases Color temperature. You can adjust color temperature from 2700°K to 6500°K by Setting Wheel Button in CCT mode.

English

| DMX-1　　Unit [%] |
| :-- |
| [CCT MODE] |

① — **48 %**

② — **4500 °K**



PN-CFL800e
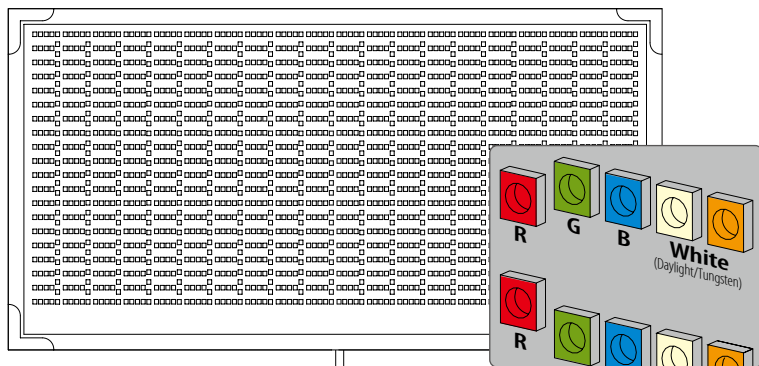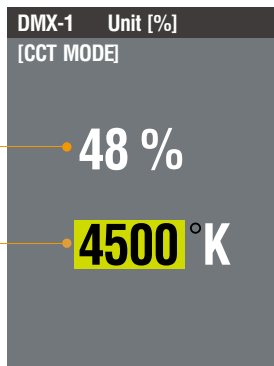
## Operating

### 3　RGB Mode

#### ① Brightness
Turn the Brightness Wheel to adjust the brightness. Brightness can be set from 0 to 100%. The current color is displayed next to the brightness indicator.

#### ② Internal Preset Color
Select Internal Preset Color. The information of the 12 internal preset color values is displayed in the lower RGB boxes respectively.

#### ③ Color manual setting
You can specify RGB color values manually. Red, Green, Blue Specify a value for each color.

#### ④ White Color intensify
White color can be added to or subtracted from the RGB color value. White Color Intensify Sets the ratio values of RGB and White Color in the graph.

#### ⑤ White Color temperature
Sets the Color Temperature of the White Color. It can be set from 2700 to 6500K.
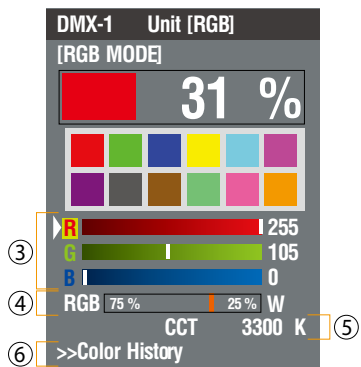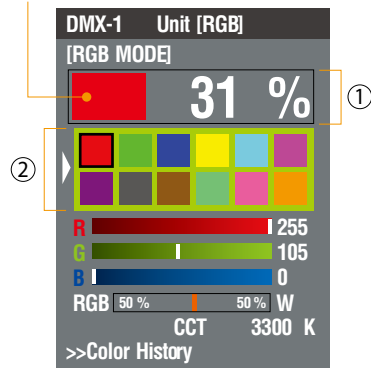
#### ⑥ Color History
Please refer to ④ on next page.

Current Color

## Operating

### 4   Hue/Sat Mode

#### ① Brightness
Turn the Brightness Wheel to adjust the brightness. Brightness can be set from 0 to 100%. The current color is displayed next to the brightness indicator.

#### ② Internal Preset Color
Select Internal Preset Color. Information on the 12 internal Preset Color values is displayed in the lower HUE and SAT boxes respectively.

#### ③ Hue / Saturation
Set HUE and SAT values.
HUE can be set from 0 ° to 359 °,
and SAT can be set from 0 to 100%.

#### ④ Color History
Color values executed for more than 30 seconds in RGB and HUE/SAT modes are automatically saved up to 36 Color History.
You can check the color and information of the saved values in Color History. You can also select and re-use it.

Current Color



DMX-1   Unit [%]
[HUE / SAT]
52 %
① ②
HUE 145 °
③ SAT 82 %
④ >>Color History

Seleted Color



DMX-1   Unit [%]
[COLOR HISTORY]
RGB   R[105] G[185] B[69]

Color Information

English
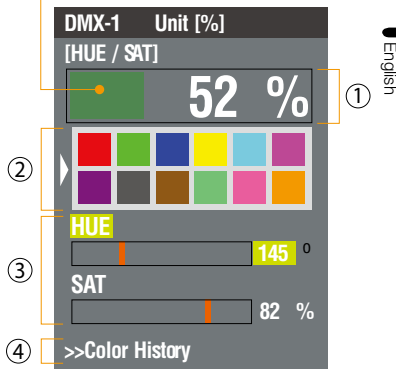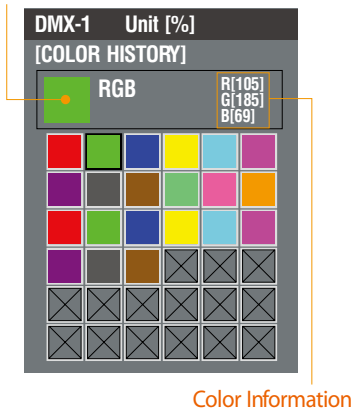
# Operating

## * Tip Preset

Preset 6 of the RGB colors that you use often, you can conveniently use.
1 ~ 6 Press Preset Button for 1 sec. And the current value will be set in the preset.
Press briefly to run.

### ① Preset CCT
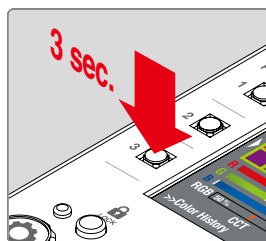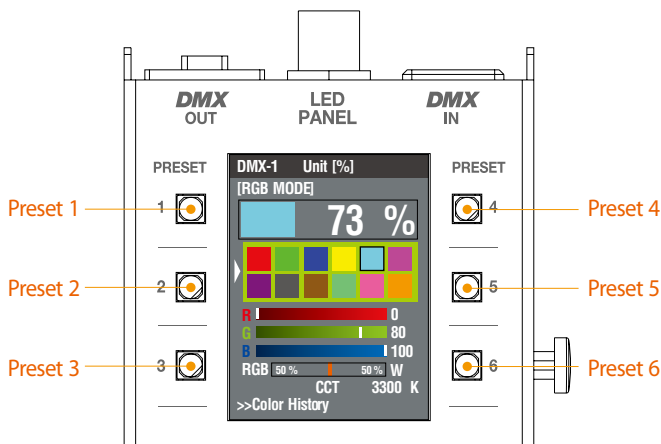Mode - CCT Mode - Save or Run

### ② Preset RGB
Mode -RGB Mode - Save or Run

### ③ Preset HUE/SAT
Mode -HUE/SAT Mode - Save or Run



Save Preset



Preset 1
Preset 2
Preset 3
Preset 4
Preset 5
Preset 6

## Operating

### 5 Effect Mode

Indicates lighting effects according to the situation.
Repeat with a certain pattern.

English

#### ① Select the Effcet
Green cursor appears under the effect name you are selecting.
You can select the arrow to move to the next or previous page.

#### ② Repeat Rate
Sets the repetition rate of the effect.

#### ③ Brightness
You can adjust the brightness of the effect by using the Brightness Wheel.

| DMX-1 | Unit [%] |
|---|---|
| **Thunder Bolt** | |
| **Night Club** | |
| **Camp Fire** | |
| **Mercury Lamp** | |
| **Moon Light** | |
| **RGB Light** | |

Applied Effect Cursor

<< **1 / 2** >>

SPEED  MIN———————MAX   ②
Brightness              **13 %**   ③
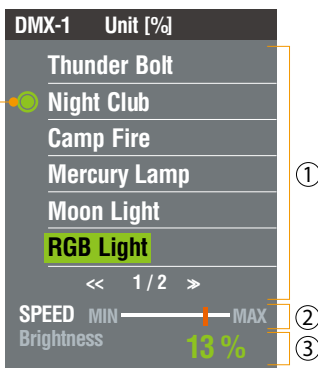
### 6 User Effcet Mode

Use the user-created effect manually.
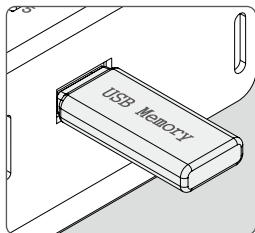


Connecting USB Memory

Save the set file to USB memory.
Connect to USB port and save to Ballast.
(Access : Mode-System set-Custom Data Update)

## System

### 1   Firmware Update

① Download new firmware data to USB memory through Cineroid homepage.

② Connect USB memory that contains firmware data to Ballast.

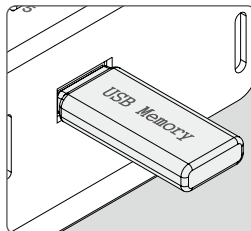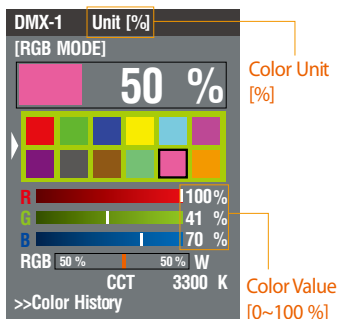③ If you click F/W Update in System, the update will start automatically. When the update is finished, ballast restarts.



### 2   Color Unit

The value of RGB mode, you can display and change the percentage values or RGB values. (Access : Mode - System set - Color Unit)



| DMX-1 | Unit [%] |
| --- | --- |

**[RGB MODE]**

**50 %**    Color Unit [%]

R   100 %
G   41 %
B   70 %    Color Value [0~100 %]

RGB   50 %   50 %   W
CCT   3300 K
>>Color History

Percentage Mode

| DMX-1 | Unit [RGB] |
| --- | --- |

**[RGB MODE]**

**50 %**    Color Unit [RGB]

R   255
G   104
B   178    Color Value [0~255]

RGB   50 %   50 %   W
CCT   3300 K
>>Color History
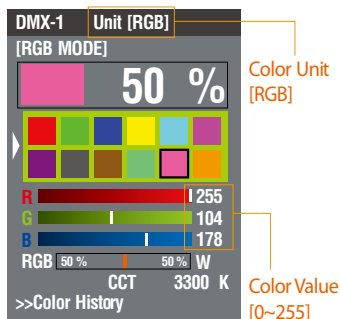
Numeric Mode

## System

### 3  Master / Slave

You can control multiple CL800 simultaneously by operating one CL800.

① Connect the ballast to be used as master and the ballast to be used as slave by using RJ45 cable.

② In mode, specify master ballast and slave ballast. (Access : Mode - System set - DMX Set - Sync Maseter or Sync Slave)

③ When master ballast is operated, slave ballast is operated together. The current mode is displayed at the top of the screen.

| MASTER    Unit [%] |
| --- |
| DMX |
| SYNC MASTER |
| SYNC SLAVE |
|  |
|  |
|  |
|  |

### 4  DMX

DMX 512 channels and DMX controllers can be used to control multiple CL800s simultaneously.

① Connect the DMX controller to the CL800 Ballast using an XLR 5pin cable.

② Set the DMX channel you want to use. (Access : Mode - System set - DMX Set - DMX)

③ Set the DMX mode. The functions of the selected mode from the selected channel are sequentially assigned to the channel. The current mode is displayed at the top of the screen.

| DMX-5      Unit [%] |
| --- |
| **DMX MODE  5** |
| CH 97:   DIM |
| CH 98:   RED |
| CH 99:   GREEN |
| CH 100: BLUE |
| START CHANNEL  =  **97** |

## Specifications

### LED Panel

| Model | PN-CFL400e | PN-CFL800e |
|---|---|---|
| Dimension | 240 x 240 mm | 460 x 240 mm |
| Weight | 160 g | 300 g |
| Dimming | 0~100 % | 0~100 % |
| Photometric | 1800 lux | 3400 lux |
| Color Temperature | 2700ºK ~ 6500ºK | 2700ºK ~ 6500ºK |
| LED Cells | 1040 | 2080 |
| CRI | 95 or above | 95 or above |
| Power | 65W | 120W |

### Ballast

| | |
|---|---|
| Dimension | 170 x 86 x 70 mm |
| Weight | 500 g |
| Dimming | 0~100 % |
| CCT | 2700ºK ~ 6500ºK |
| Display | Color LCD |
| Cable Length | 2m (can be extended) |
| Control Lock | Yes |
| DMX | 512 Channel |
| DC Input | 11~17 V |

## Optional Accessoires
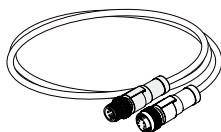
**ECF603**
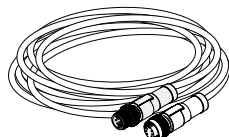Extension Cable (3m)
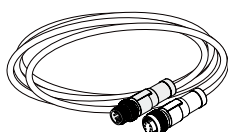
**ECF605**
Extension Cable (5m)

**ECF610**
Extension Cable (10m)

English

www.cineroid.com

# Cineroid®
### Cinema & Broadcasting Equipment