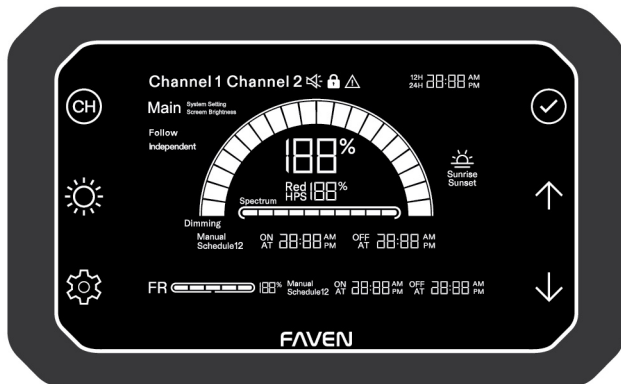


FAVEN MANUAL

CX2 CONTROLLER

model: Chroma



favenlighting.com

@favenlighting

FAQ



**FERTIGATION, PRUNING,
DIMMING, AND MORE!**

Please report any damaged or missing items from your order
within 10 days of receiving to sales@favenlighting.com.

THANK YOU FOR CHOOSING **FAVEN**

In this manual you will find information on installation, product specifications, warranty, and more!

NEED TECHNICAL SUPPORT?

We have a team of **FRIENDLY ADVICE WIZARDS** ready to help you out!

Email: support@favenlighting.com

Phone: 916.234.6569

GENERAL INQUIRIES

Email: sales@favenlighting.com

Phone: 916.235.3295

CONNECT WITH US



[@favenlighting](https://www.instagram.com/favenlighting)



[favenlighting.com](https://www.favenlighting.com)

Contents

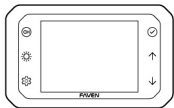
1. Safety information	1
2. Product contents	2
3. Specifications	3
4. Dimension drawing	4
5. Installation	5
6. Connection	6
7. Control interface	8
8. System Setting	10
9. Main Light Control	11
10. Far Red Channel Control and Dual Scheduling	12
11. Example Setup Process	13
12. Warranty	14

1 Safety information

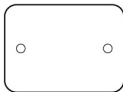
Warning! Please read the following information carefully before installing and using.

- Please read and understand this manual completely before installing and using the product.
- Keep the CX2 controller away from fire, excessive heat, water, duct and contamination.
- Do not open or disassemble the CX2 controller. Opening the controller will void its warranty immediately.
- The input voltage should be kept above 11.5V and below 12.5V DC; the input current should not be lower than 700mA; otherwise, the product may not work properly.
- CX2 controller should only be used to control compatible Faven lights. Do not connect the CX2 controller to other products, as this can be dangerous and may cause the connected equipment to malfunction. Doing so will void the warranty.
- Do not place the LCD in a hot or humid environment and expose the LCD screen to direct sunlight or strong fluorescent light for long periods.
- Do not leave the CX2 controller unsecured from wall mount brackets.

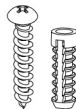
2 Product contents



CX2 Smart Controller
x 1pc



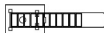
Iron Plate
x 1pc



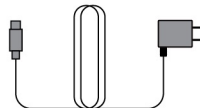
Expansion Screws
x 2pcs



Cable Tie
x 4pcs



Wire Tie
x 2pcs



Power Adapter
(120-240V AC - 12V DC)
x 1pc

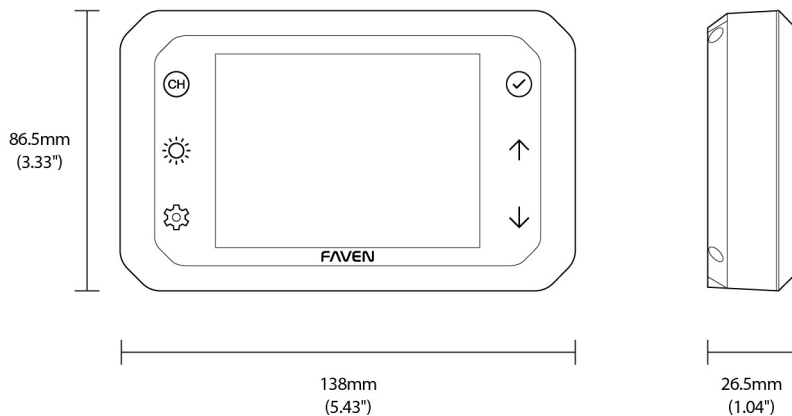


User Manual
x 1pc

3 Specifications

Adapter Input	100-240VAC, 50/60Hz 0.2A
Controller Input	12V, 1A
Lighting Control Channels	2
Lighting Control Level	MAIN: OFF/40-100% FAR RED: OFF/25-100%
Number of Fixtures Per Channel	100(RS-485)
Working Environment	Temperature: 0-50°C(32-122°F), Humidity≤80%
Weight	0.48 lb
Dimensions	L: 5.43 in *W: 3.33 in *H: 1.04 in
Installation	Wall mount with screws, magnet
Warranty	3 years

4 Dimension drawing



5 Installation

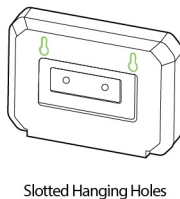
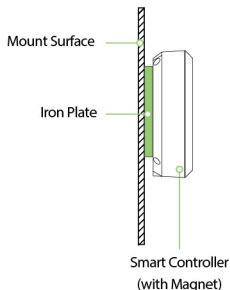
Mount with 3M Adhesive

Remove the tape cover from the iron plate and paste the plate on the mount surface where you want the controller located. Then you can place the CX2 Controller on the iron plate via a built-in magnet on its back.

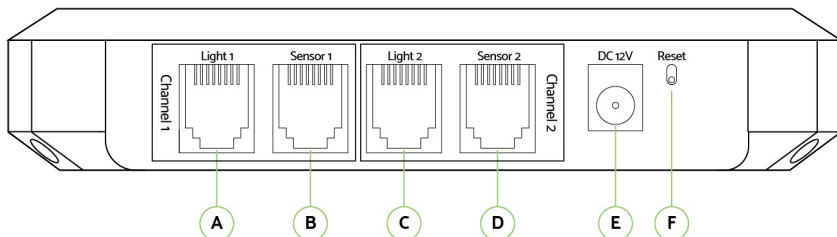
Mount with Expansion Screws

This installation method requires drilling holes where you plan to mount the CX2 Controller. First measure the distance between the holes on the iron plate and mark the distance on the mounting surface. Next, use a drill to create the necessary holes and push the plastic expansion pipes in. Then line the iron plate's holes with those holes, and screw it into place using the expansion screws. Now the Controller can be placed directly onto the iron plate thanks to its built-in magnet!

You can also hang your CX2 Controller directly on the screws without using the iron plate. First, measure a center distance of 74mm and drill an expansion screw on each point. Next, hang the CX2 Controller directly on the screws by sliding the slotted hanging holes over the screws and then allowing the CX2 Controller to hang down.



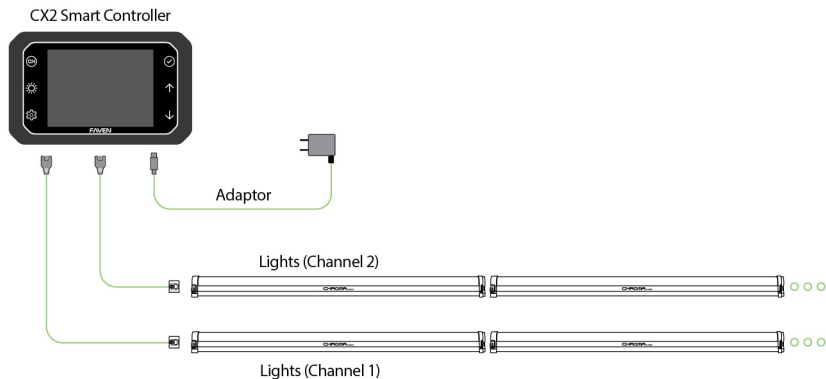
6 Connection



A	RJ11 Network interface: Light control (Channel 1)
B	INACTIVE
C	RJ11 Network interface: Light control (Channel 2)
D	INACTIVE
E	Power Input: 12V 1A DC
F	Reset

6 Connection

System Connection



7 Control Interface

CH Channel Button

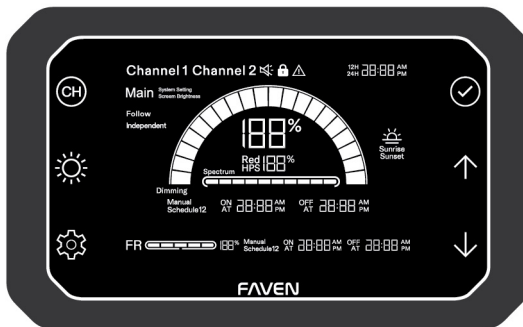
Press to switch Channel 1/
Channel 2.

Light Button

Press to switch Light type:
Main/FR.

Setting Button

Press to set Manual/ Schedule
mode.



Confirm Button

Press to confirm settings.
Long press to lock or unlock
the screen.

Up Button

Press to increase value of
current setting. Long press to
enter system setting.

Down Button

Press to decrease value of
current setting.

7 Control Interface

1. Channel Display

Channel 1 or Channel 2 setting and status.

2. Main Light White Bars

Light intensity level and percentages.

3. Main Light Spectrum

Displays the current Light spectrum

4. Main Light Mode

Manual/Schedule mode of current Channel.

5. FR Light Mode

Manual/Schedule mode of current Channel.

6. Sunrise/Sunset

Turn on/off of Sunrise/Sunset in cycle mode.

7. System Setting

System settings of button voice, 12H/24H, time, Screen Brightness.

8. Channel Mode

Set Independent/Follow mode for Channel 2.

9. Button Voice

Turn on/off the button voice.

10. System Lock

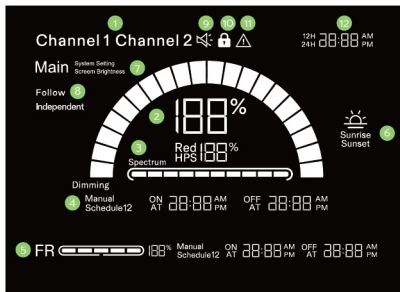
Indicates system is locked and cannot operate.

11. Alarm Icon

Indicates a system abnormality.

12. Time Mode

Set 12H or 24H time mode and displays the current time.



8 System Settings

8.1 Screen Lock/Unlock

Hold the ☹ button for 3 to 5 seconds to lock or unlock the controller.

8.2 System Settings

To Access the System Settings Menu:

Hold the ↑ button for 3 to 5 seconds.

The following settings will be available in sequence:

Audio Setting

Use ↑ ↓ to toggle sound 🗣 on or off. Press ☹ to confirm.

Time Format

Choose between 12-hr or 24-hr format. Use ↑ ↓ and press ☹ to confirm.

Set System Time

Use ↑ ↓ to adjust the time. Press ☹ to confirm each value.

Screen Brightness

Choose brightness level (L1, L2, or L3). Use ↑ ↓ and press ☹ to confirm.

Channel 2 Modes

Follow Mode: Channel 2 mirrors all Channel 1 settings (intensity, spectrum, far-red, schedule).

Independent Mode: Channel 2 operates with its own settings.

Use ↑ ↓ to choose and press ☹ to confirm.

After completing the last setting, the controller will return to the main screen.



9 Main Light Control: Intensity, Spectrum, and Scheduling

To access main light settings (intensity, spectrum, and schedule):

1. Press the ☀ button once.
2. Press the ⚙ button.

9.1 Menu Flow

Mode Selection

Choose Manual or Schedule mode. Use ↑ ↓ and press ⏹ to confirm.

Set Intensity (40%–100%)

Use ↑ ↓ to adjust. Press ⏹ to confirm.

Set Spectrum (R4–R9)

Use ↑ ↓ to adjust. Press ⏹ to confirm.

If Schedule Mode is selected:

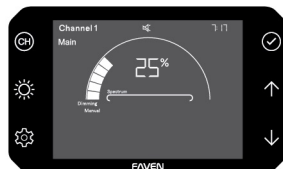
Set ON Time > Press ⏹

Set OFF Time > Press ⏹

Mode Selection Select between Sunrise or Sunset ramping > Press ⏹

If Manual Mode is selected, time-related steps are skipped.

Once all selections are confirmed, the system will return to the main screen.



10 Far-Red Channel Control and Dual Scheduling

To access far-red channel settings:

1. Press the ☀ button.
2. Press the ☀ button again.
3. Press the ⚙ button.

10.1 Menu Flow

Mode Selection

Choose Manual or Schedule mode. Use ↑ ↓ and press ✓ to confirm.

Set Far-Red Intensity (25%–100%)

Use ↑ ↓ to adjust. Press ✓ to confirm.

If Schedule Mode is selected:

Set Schedule 1 ON Time > Press ✓

Set Schedule 1 OFF Time > Press ✓

Schedule 2 Enable/Disable

Use Up/Down to turn Schedule 2 ON or OFF >

Press ✓ to confirm (Default state is OFF)

If Schedule 2 is ON:

Set Schedule 2 ON Time > Press ✓

Set Schedule 2 OFF Time > Press ✓



Schedule 2 allows a second independent timing window, often used for end-of-day or early-morning far-red events.

After final confirmation, the system returns to the main screen.

12 Example Setup Process

****Disclaimer:** This is an example setup provided for demonstration purposes only. Each facility may have its own unique requirements, and your setup may differ based on specific needs.**

11.1 Main Lighting Setup

1. Press ☀️ > Press ⚙️
2. Select Schedule > Press ☑️
3. Set Intensity to 100% > Press ☑️
4. Set Spectrum to R6 > Press ☑️
5. Set ON time to 00:00 > Press ☑️
6. Set OFF time to 12:00 > Press ☑️
7. Select Sunrise or Sunset OFF ramp > Press ☑️

11.2 Far Red Setup For Beginning and End of Day Lighting:

1. Press ☀️ > Press ☀️ again > Press ⚙️
2. Select Schedule > Press ☑️
3. Set Intensity to 100% > Press ☑️
4. Set Schedule 1:
 - ON: 00:00 > Press ☑️
 - OFF: 12:00 > Press ☑️
5. Enable Schedule 2 > Press ☑️
6. Set Schedule 2:
 - ON: 00:00 > Press ☑️
 - OFF: 12:00 > Press ☑️

14 Warranty

The company warrants the mechanical and electronic components of this product and guarantees the materials and workmanship free of defects if used under normal operating conditions, for a period of three (3) years from the original date of the purchase.

If you find that there are any defects with this product that relate to either the workmanship or the materials but are not due to improper use or user error, the company shall, at its discretion, either replace or repair the product using the appropriate new or reconditioned parts. In the case that the company decides to replace the entire product, the date of the limited warranty shall apply to the replacement from the date of the purchase of the initial product for three (3) years.

For technical support or warranty claims:

Website: www.favenlighting.com/support

Email: support@favenlighting.com

GROWING WITH CHROMA



Scan for resources,
best practices, product
updates, and more!

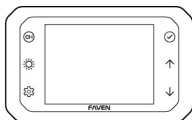
CX2

BY FAVEN

DESIGNED FOR:

CHROMA

CX2 CONTROLLER



FAVENLIGHTING.COM