

Ethernet/UDP DMX Console

CQ-CE41S



Welcome to the CQ-CE41S Ethernet/UDP DMX console. This controller uses computer programming and can work stand alone. Through the computer software, you can easily control various DMX lights such as stage light, beam light, laser light, LED, RGB, RGBW, DMX kinetic ball, and DMX fountain.

With the upgraded DS3 software, you can programming by fader or timeline. It can real time preview, output DMX signal directly. Additionally, you can record and edit programs already created on another console to achieve rapid programming. Each light source has its own control page, allowing you to create different lighting effects for different lights in the same project. This controller features automatic operation, APP control (Android / iOS), UDP central control, sensors, and dry contact triggering, greatly satisfying the control requirements of various lighting projects. It can be installed using screws or with accessories via DIN rails or 1U rack installation, making project installation more convenient.

1. Specifications

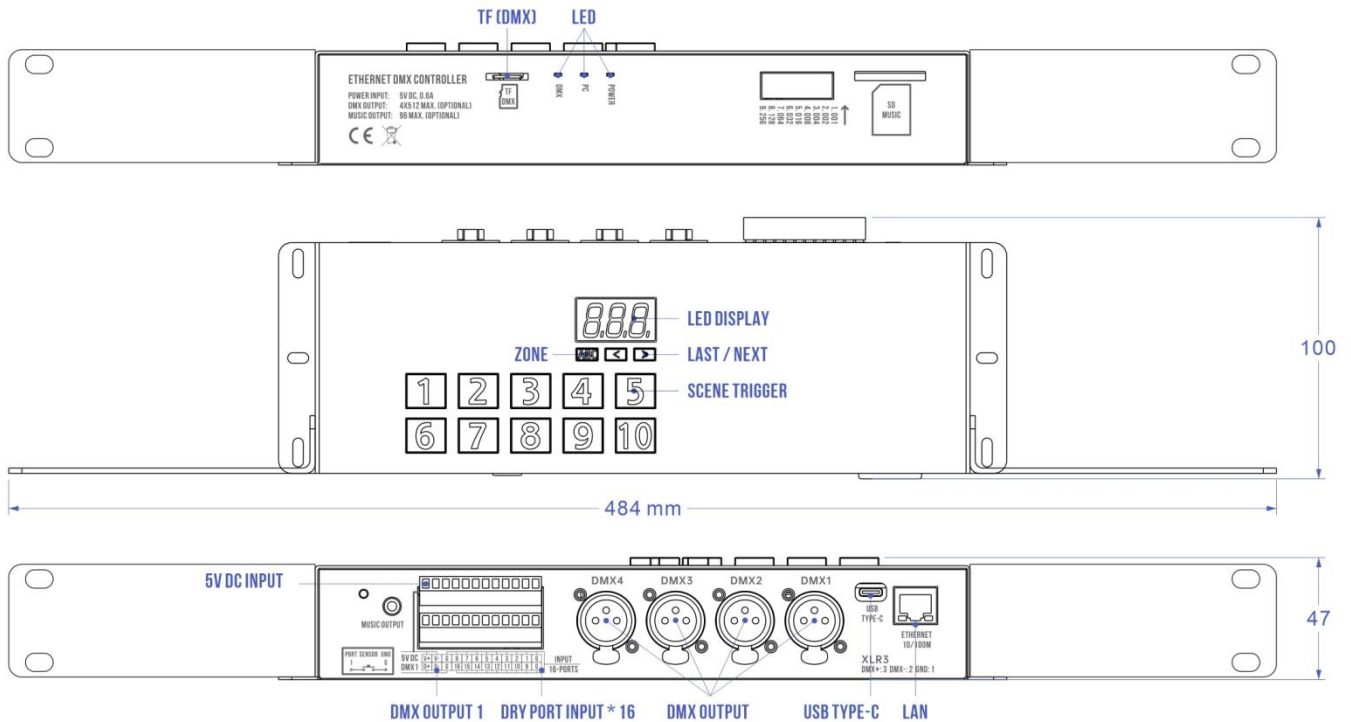
Part No.	CQ-CE41S
Input Voltage	5V DC (USB Type-C or Screw)
Output Signal	Standard DMX512 / RDM*
DMX Output	1*512 / 2*512 / 3*512 / 4*512
Zones	5 Max.
Scenes	99 Max.
Memory	TF Card (32G Max.)
Operating System	Win10+ (Program) / iOS / Android (APP)
Operating Temp.	0~50°C
Trigger	UDP, Dry Port, APP, Timing Trigger*, RF Remote*
Dimension	484x100x47mm (With Rack)
Installation	Screw / DIN Rail / 1U Rack

* RDM / Timing Trigger / RF Remote is optional.

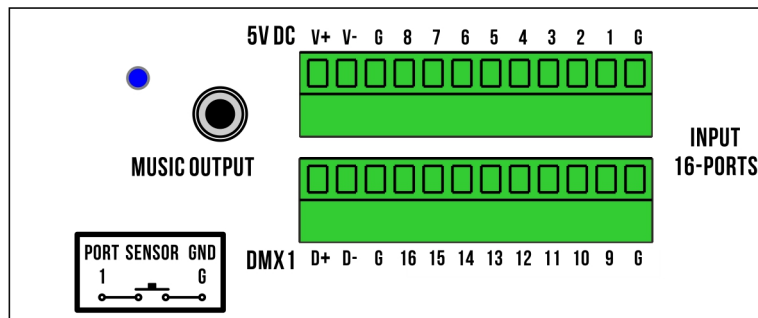
2. Features

- 512 Channels, 2048 channels Max.
- Step & timeline programming
- Trigger mode: UDP center control, DMX console, dry contact trigger, timing
- Compatible with a variety of LEDs: monochrome, color temperature, RGB, RGBW
- Compatible with a wide range of DMX luminaires: Move Heads, Spot Lamps, Laser Lamps
- Power on automatic cycle, power up memory
- 5 pages, 99 scenes
- iOS / Android APP control
- The TF card saves the light show

3. Dimensions

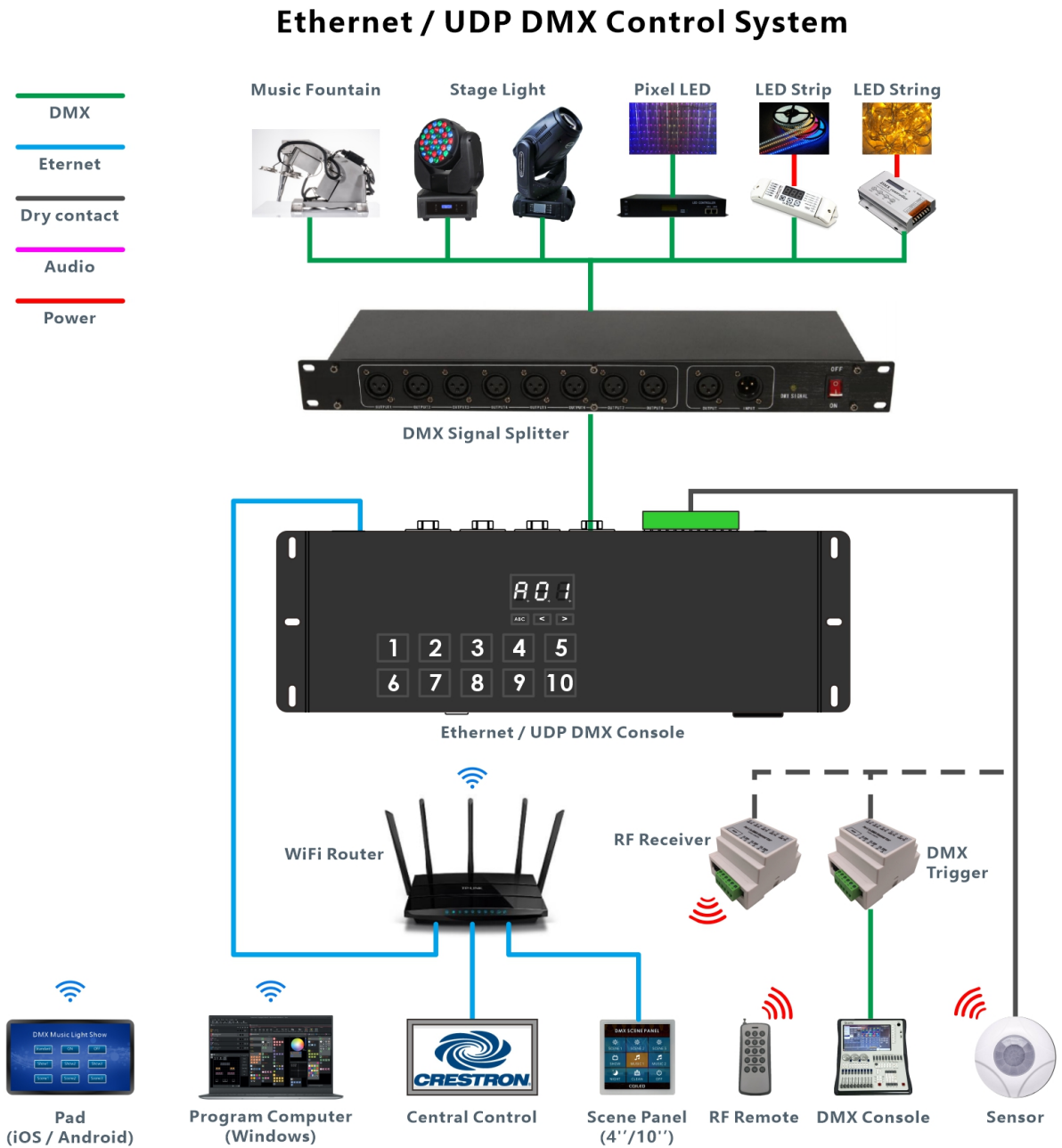


4. Terminals Port



- **V+, V-:** Power Input, 5V DC (The controller can be powered either by terminals or by USB)
- **D+, D-, G:** DMX1 Output
- **1-16, G:** Dry contact

5. Wire Diagram



5.1 Live Control & Programming

By connecting the DMX fixtures to the controller, connecting the controller to the computer via USB or LAN, you can use the software to program the fixtures. In live mode, the system can be directly controlled, real-time preview, output light effects.

5.2 Stand Alone

In stand alone mode, the program has been downloaded to the TF card. No computer required, when the power is on, you can achieve an accurate replay of all pre-programmed lighting effects. You can also use time trigger, dry contact trigger, sensor control, APP or UDP network control.

6. Software

DS3 (Win10+) DMX Stage Lighting Software

<http://www.cqiled.com/en/product/ds3.html>

Arcolis Remote Pro (iOS / Android)

<http://www.cqiled.com/en/product/remote-pro.html>

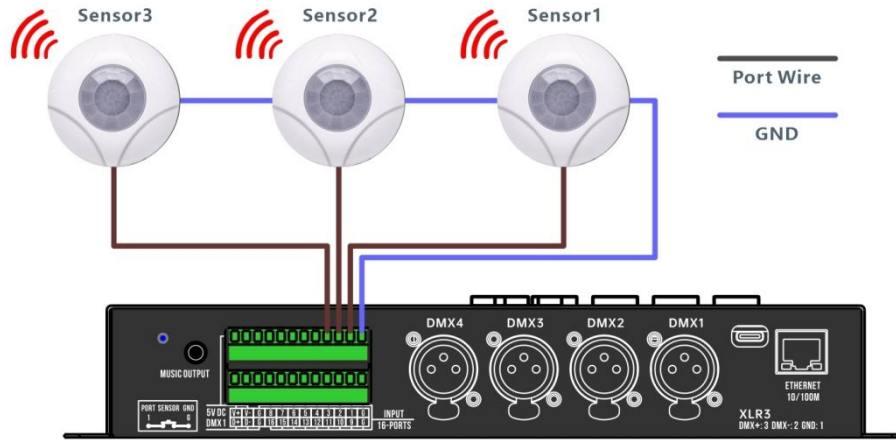
7. UDP Central Control

CQ-CE41S, Remote control can be carried out through the UDP network protocol to synchronize lighting with audio, video, lighting scenes, and other equipment, and integrate control. For UDP network control, the requirements are as follows:

1. Static IP address: use the Hardware Manager to set.
2. Port: 2430
3. Format: Hex
4. Protocol: 53 69 75 64 69 31 31 41 0a 01 ff ff ff ff ff ff ff 01 00 1b 00 01 03 **01** 00 64

The contents of red color: 00 - Scene 1, 01 - Scene 2, 02 - Scene 3, etc...

8. Dry Port Contact



The master controller can receive dry contact trigger signals. When using, connect the sensor's GND in parallel to the "port G" of the controller, and then connect each dry contact signal to the P1~P16 port. Dry contacts can be triggered individually or in combination.