DMX Smart Scene Panel

CQ-DSP04

CE   RoHS 2002/95/EC

Welcome to the CQ-DSP04 DMX Smart Scene Panel, which features a 4-inch LCD touch screen and can be installed on an 86-base socket. With custom PNG and GIF graphic files, you can easily create a unique control interface. By simply modifying the configuration file, the smart panel can be compatible with various control devices (UDP and conversion RS485, RS232), enabling one-button operation and centralized control, providing you with a convenient user experience.

The DMX Smart Scene Panel is already compatible with several popular network DMX controllers such as NICOLAUDIE, SUNLITE, and DALIGHT. Through software programming, it allows precise control over LED, DMX stage lights, DMX laser lights, beam lights, DMX downlights, and DMX relays. The smart panel supports both WIFI and wired network connections and allows users to customize the interface. With one-button upload and update functions, it is an essential control terminal for various lighting projects, exhibition halls, museums, hotels, shopping malls, and other venues.
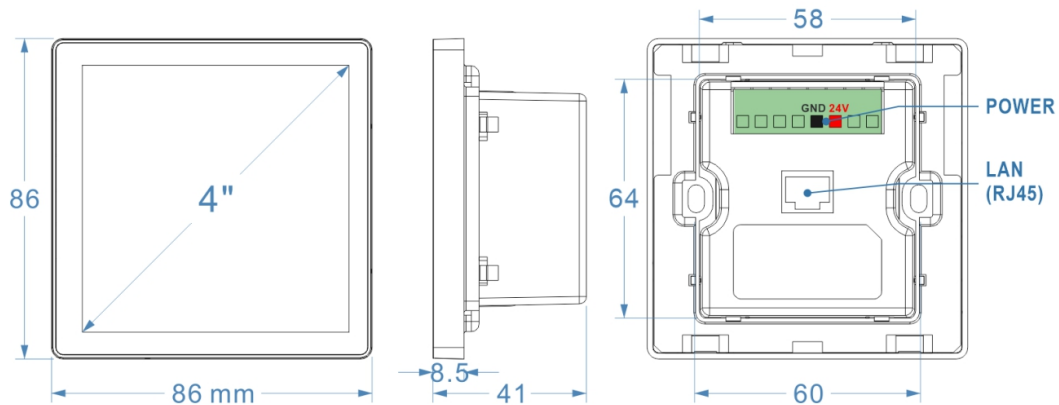
1. Specifications

Part No.	CQ-DSP04
Input Voltage	9~24V DC
LCD Panel	4´´ 720x720 IPS
Touch Panel	Capacitive touch panel
Operation System	Android
Interface File	PNG、JPG、GIF animation
Output Signal	UDP (Directly), RS485/RS232 (Conversion)
Ethernet Connection	WiFi / Ethernet
Operation Temperature	-20~60℃
Dimension	86x86x41mm
Installation	86 Based socket

2. Features

- Customized interface, supporting PNG, JPG, and GIF animations
- Customized UDP commands that can be converted to RS485 and RS232
- Customized buttons and page control
- Optionally available in multiple sizes: 4-inch, 7-inch, 10-inch, and larger
- Display text graphically and support multiple languages
- Multi-panel synchronization control and APP control
- Auto/manual lock the screen to prevent accidental button presses
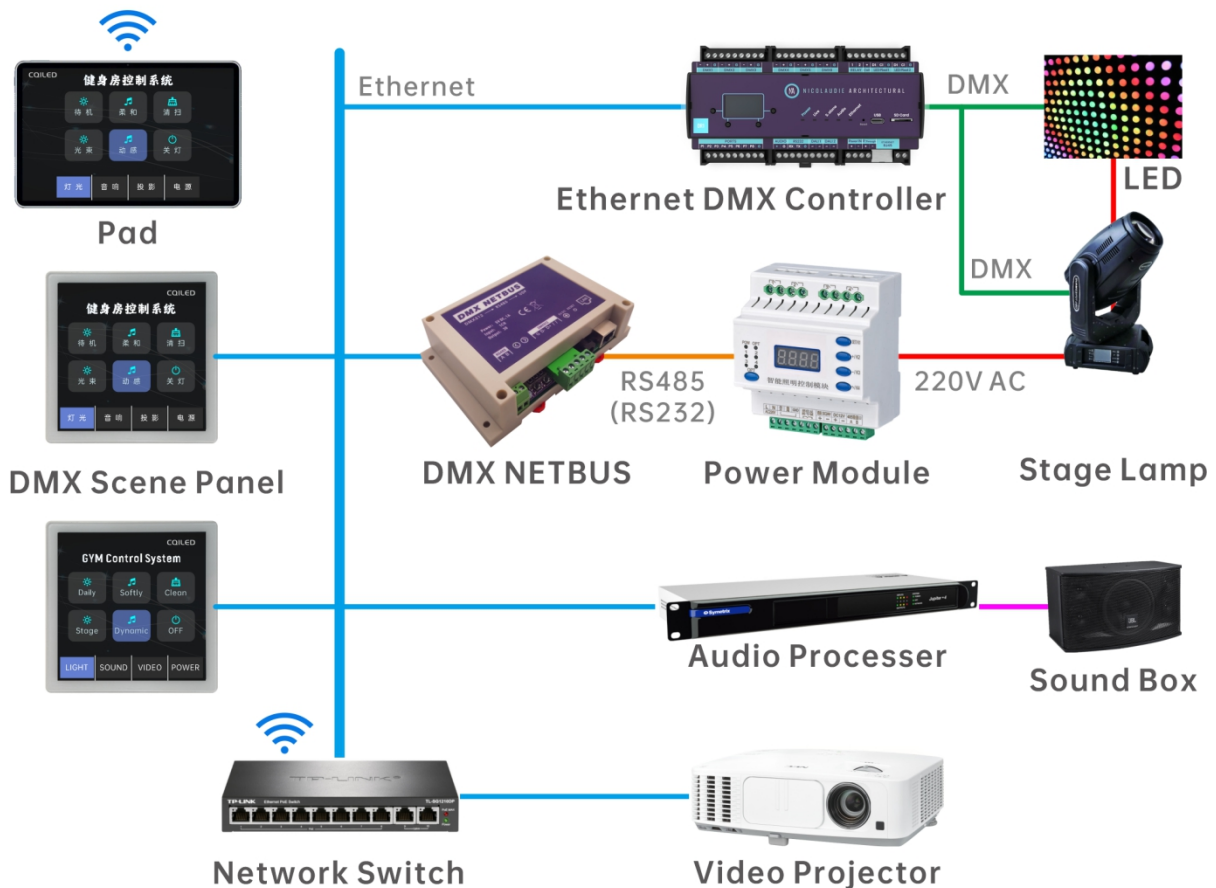- Wired network/wireless WiFi connection
- 86 based socket

3. Dimensions

4. Wire Diagram

4.1 Advanced application

Advanced application: multiple smart panels can be connected to the system through a network switch, enabling simultaneous control of multiple panels. In addition to controlling DMX lighting masters, it is also possible to control related equipment such as power systems, audio processors, projectors, etc., achieving centralized control and one-button control of the entire project.

4.2 Basic Application

Basic Application: Only need to control a single ethernet DMX controller. Usually, as long as a network cable is used to connect the scene panel with the DMX controller, then the interface design and configuration can be implemented for one-button control of the lighting scene.

DMX Scene Panel   Ethernet DMX512 Controller   DMX Fixtures

5. FAQs

1. No response from the buttons?

The network or the ethernet switch is off online.

2. When opening the panel, the screen is black with a lock icon on the screen?

The IP address in the configuration file is incorrect or the panel failed to properly device and obtain the IP address.

3. Does the panel support POE power supply?

No, it does not support POE power supply.

4. How to design the interface and configure the panel parameters?

We provide template files for the interface (in SVG format, editable using free software) and also provide configuration files for the interface files. Refer to the instruction manual to complete the configuration.