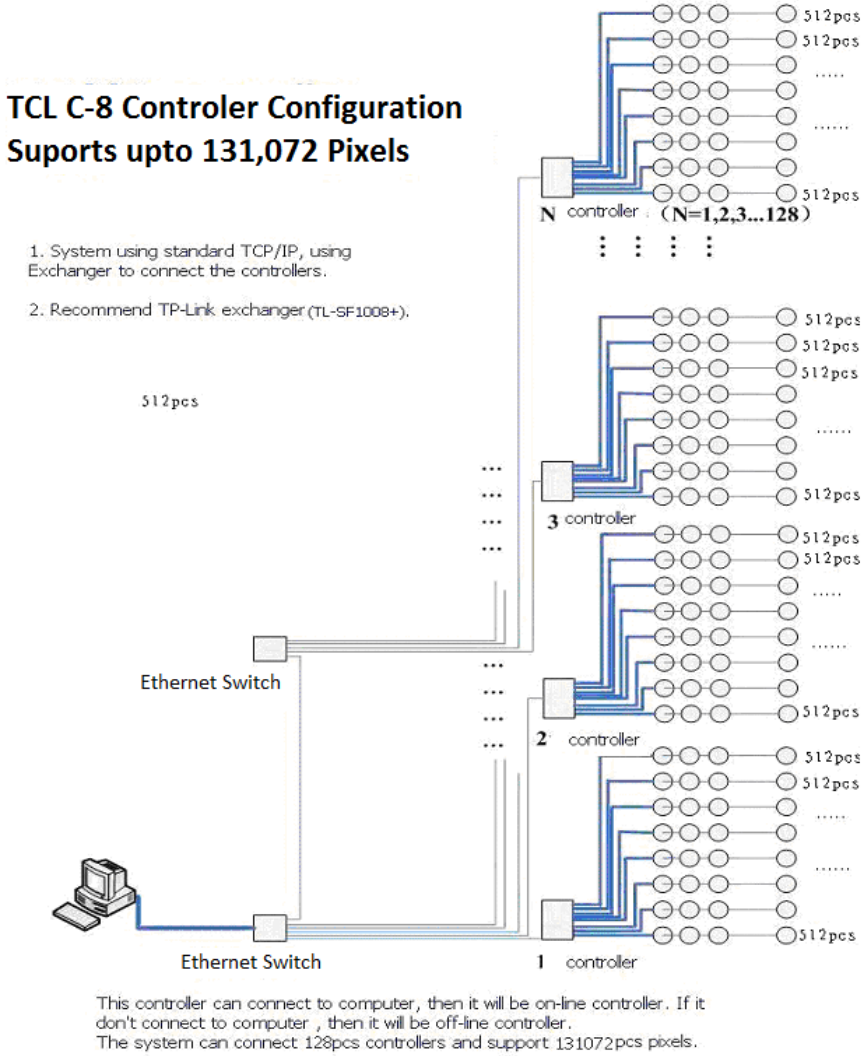
TCL C-8 System Introduction

1. **The characteristics of TCL C-8 system**
   1. 32-256 level grayscale controls, Gamma correction software.
   LedEdit
   2. combined with video editing and broadcasting software, you can control the rules, special-shaped variety, such as point, line and surface light source.
   3 computers online, you can cascade multiple controller, supporting 240,000 pixel control.
   4. 8 control ports , 512 Pixels per port.
   5. Data transmission using TCP/IP network protocol, General Pak Gigabit switches can be used to connect multiple controlers.
   6. each controller has a corresponding IP address, the IP address is set through the dip switchs on the side.

2. System architecture diagram



3. Appearance：

Figure 1

Figure 2

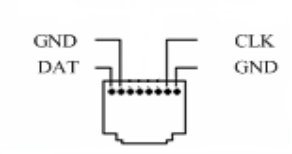
Figure 3

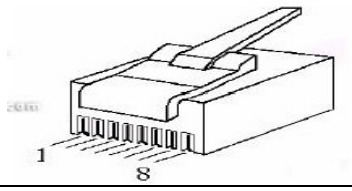
Figure 4

175mm*164mm*45mm

Controller output port respectively, OUT1, OUT2, OUT3 ... ... OUT8.

Signal Interface Definition (RJ45 Block):





1	**DAT**	**Output signal DATA**	
2	**GND**		
3	**NC**		
4	**NC**		
5	**NC**		
6	**NC**		

7	**CLK**	**Output signal CLK**	
8	**GND**		

Differential output is defined as the：

1	**DA**	**DATA---A**
2	**DB**	**DATA---B**
3		
4		
5		
6		
7	**CA**	**CLK----A**
8	**CB**	**CLK----B**

POWER	**Power LED**
SD	**SD card slot**
OFF/ON	**power switch**
LINK	**Network Online Status Indicator**
SPEED	**Network Online Speed Indicator**
ACT	**Network ACT indicator**
NET	**For the Ethernet interface**

4. IP Settings

Diagram for the DIP switch is used to set the controller number that the IP address:

TCL C-8 each controller must set the number，is the controller IP address，

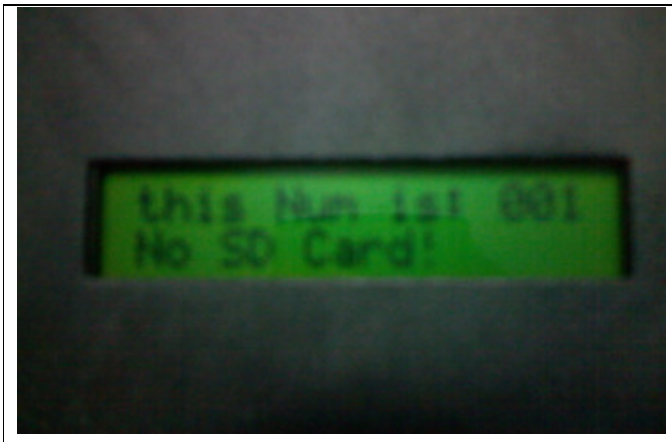
Each controller, according to numbers from the computer to obtain data on the different players。

SW1—S W 7	**To set the controller ID: 1-128（Binary encoding） All ON is No.1**
SW8	**NC**

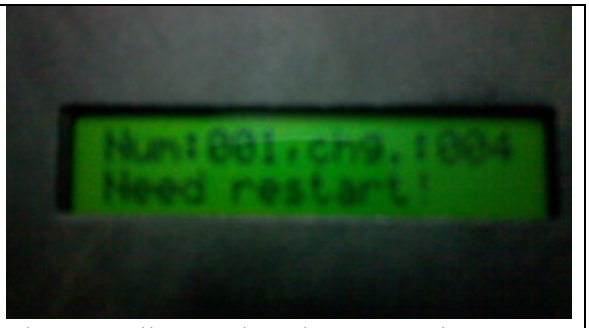
After configured, restart the controller, the controller above the LCD screen will show the

number of the station controller：

“This Num is 001” or “This Num is 002”, “This Num is 003” ……



LCD screen displays the first line of “this Num is :001” Means that the controller's number is 001。If the controller's number is No. 1, if the first number does not insert the SD card, this controller's LCD screen will show the second line of "No SD Card!"



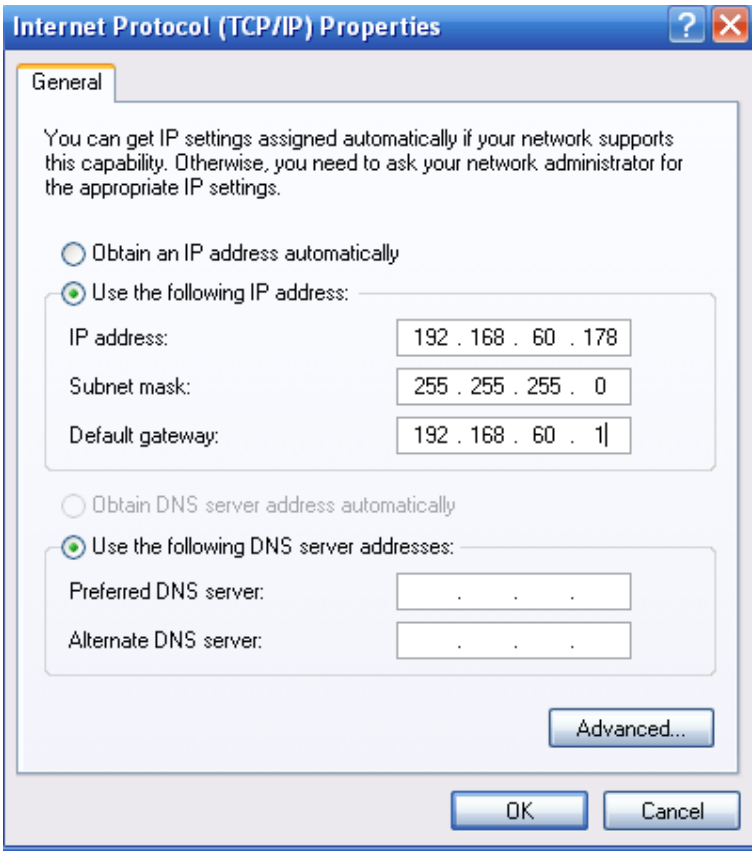
The controller number change, need to re-start the controller Example “Num：001，chg.:004 Need restart!”.

Controller's IP address from the beginning 192.168.60.50

192.168.60.50----------Controller No. 1
192.168.60.51---------- Controller No. 2
192.168.60.52---------- Controller No. 3
192.168.60.53---------- Controller No. 4…….

Computer IP Settings

PC IP set to 192.168.60.178



Specific parameters：

Memory Card:

Type：SD Card

Capacity：256MB—2GB

File Format：FAT file format

Store files：*.led

Physical parameters：

Weight：0.8kg

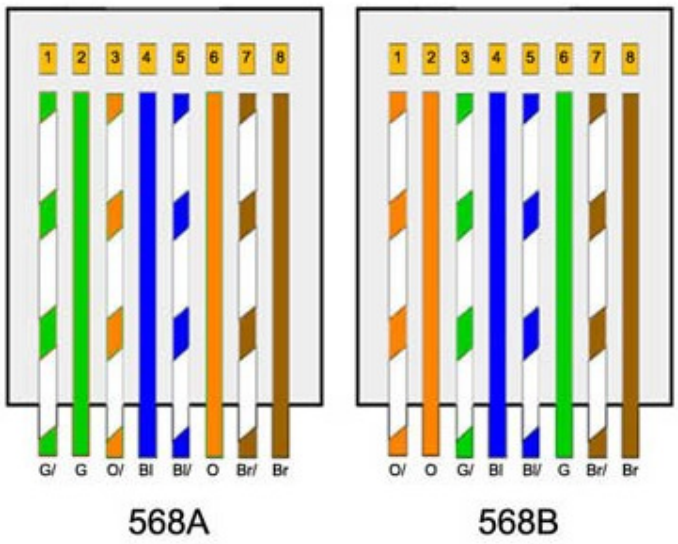
Size：Length 18.2cm width 16.5cm High 4.5cm

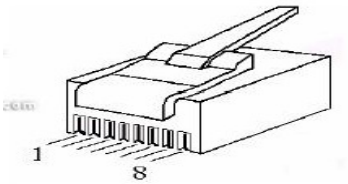
Temperature ：-20℃—85℃

Power Supply：AC 85V—264V

Power：8W

Connection cross-network line：

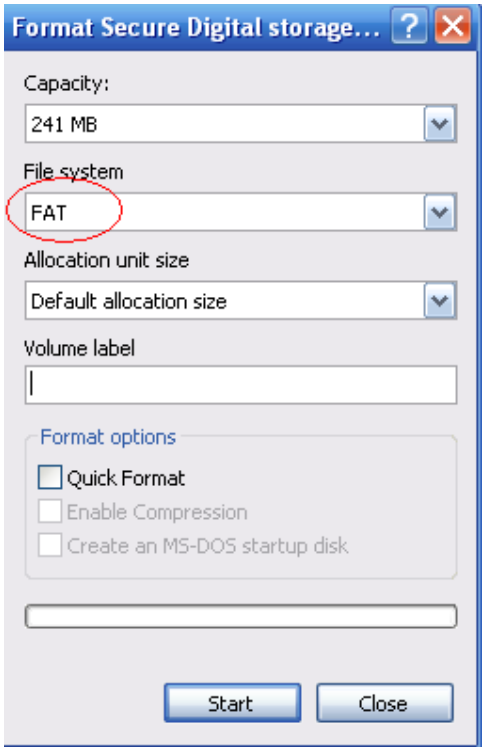




Note：

To copy files to SD card, you must first format to the SD card, pay attention to is that each copy must be formatted before.

SD card must be formatted as "FAT" format.



Controller on the SD card can not be hot-swappable, plug the SD card every time, you must first disconnect the power supply controller.