

**LED NEON FLEX SPECIFICATION**

# ADDRESSABLE P67 VERTICAL BEND T1616 12V 24V LED NEON FLEX SPECIFICATION

Product Model : addressable-ip67-t1616-12v-24v

## **PART 1** Product Specification

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## Product Parameters

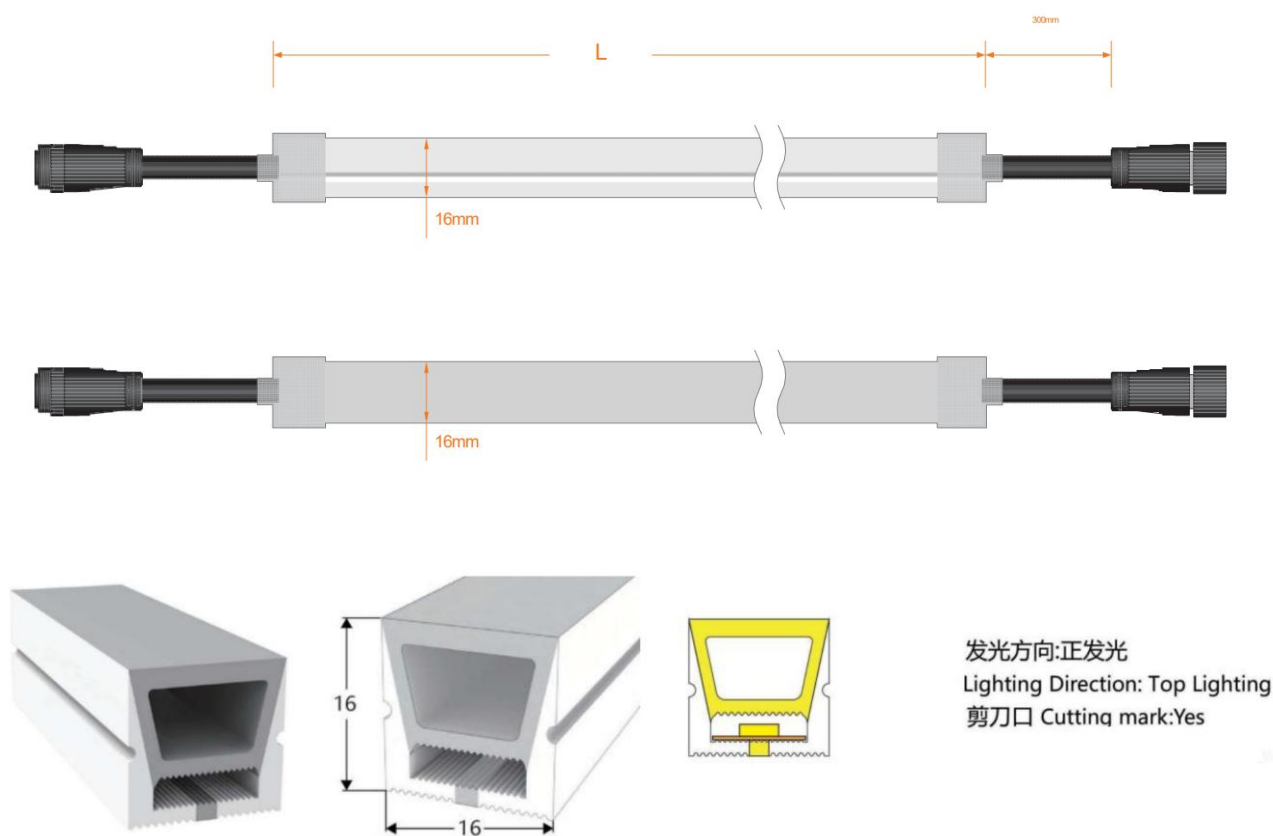
| Parameter      | Value                                                                                  |
|----------------|----------------------------------------------------------------------------------------|
| Dimensions     | 16*16mm, 5m/roll                                                                       |
| Power          | 14.4 W/m                                                                               |
| LED Type       | SMD5050/SMD2835                                                                        |
| LED Color      | RGB                                                                                    |
| LED Quantity   | 60/120 LEDs/m 300/600 LEDs/roll                                                        |
| Pixel Quantity | SPI-WS2815 60 /120 pixels/m<br>SPI-WS2818 10/20 pixels/m<br>DMX-UCS512 10 /20 pixels/m |
| PCB Width      | 10 mm                                                                                  |
| Life Time      | 36000 hours                                                                            |
| IP Grade       | IP67                                                                                   |

## Technical parameters

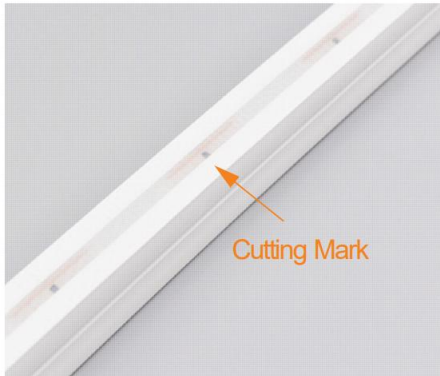
| LED Strip                     | Voltage(V) | Power Max(W) | Pixel Quantity (LEDs/m) | LED Quantity (m) | Cutting Unit(m) | LED Type            | IC Type           |
|-------------------------------|------------|--------------|-------------------------|------------------|-----------------|---------------------|-------------------|
| TTL-4PIN-<br>RGB-60-12V       | 12         | 8.6          | 60                      | 60               | 16.67           | 5050<br>(IC in LED) | WS2815            |
| TTL-4PIN-<br>RGB-120-12V      | 12         | 17.3         | 120                     | 120              | 8.33            | 5050<br>(IC in LED) | WS2815            |
| TTL-4PIN-<br>RGB-60           | 12         | 14.4         | 20                      | 60               | 50              | 5050 RGB            | WS2818            |
| TTL-4PIN-<br>RGB-60           | 24         | 14.4         | 10                      | 60               | 100             | 5050 RGB            | WS2818            |
| 1202410-<br>2835-SPI          | 24         | 14.4         | 10                      | 120              | 100             | 2835<br>White       | WS2818            |
| 1202410-<br>2835RGB-SPI       | 24         | 14.4         | 10                      | 120              | 100             | 2835 RGB            | WS2818            |
| DMX-5PIN-<br>White-60-<br>12V | 12         | 14.4         | 20                      | 60               | 50              | 5050 RGB            | UCS512H4L/Hi512ES |

|                               |    |      |    |     |     |          |                   |
|-------------------------------|----|------|----|-----|-----|----------|-------------------|
| DMX-5PIN-<br>White-60-<br>24V | 24 | 14.4 | 10 | 60  | 100 | 5050 RGB | UCS512H4L/Hi512ES |
| DMX-5PIN-<br>RGB-120-24V      | 24 | 28.8 | 20 | 120 | 50  | 2835 RGB | UCS512H4L/Hi512ES |

## PART 2 Product Dimensions



## PART 3 Cutting Mark



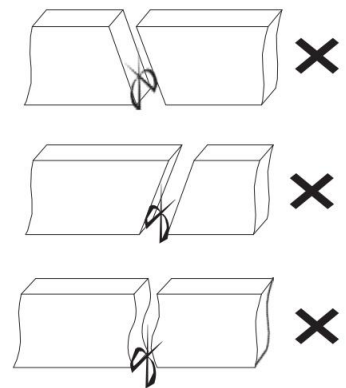
Cutting Mark

**Remark:**

The bottom of the led strip has transparent window, the black marker is the cutting position



Use professional scissors to cut vertically at the cutting mark



Please don't be feel free to cut and cut into an oblique angle or cambered section.

## PART 4 Production Application

LED neon flex suits both indoor and outdoor scenarios: indoors it decorates commercial corridors, mall art installations and interior architectural outlines for trendy ambient lighting, while outdoors delivers facade contour lighting for high-rises, decorative illumination for bridges and waterfront walkways, plus open-air street courtyard styling; its flexible bendable design fits straight and curved shapes, weatherproof performance enables long-time outdoor operation, and rich colour options work for basic outlining as well as creative custom light art.



## PART 5 Product Accessories

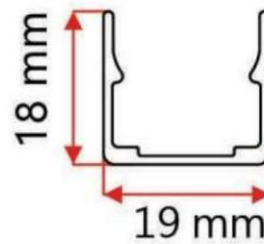
Aluminium  
Mounting  
clips



Aluminium  
Profile



铝槽尺寸  
Aluminum Profile size(mm)



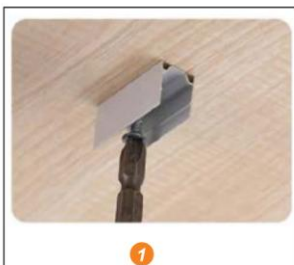
Curved aluminum profile



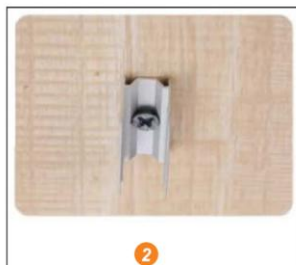
Notes: Please purchase the above accessories according to your demand.

## PART 6 Fixed Installation Display

### 1) Snap-on Installation



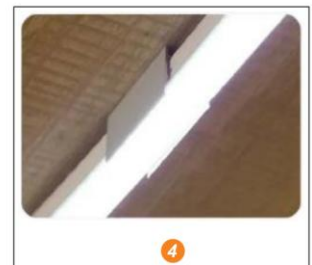
Place the buckle where the neon tube is to be installed



Use screws to secure the buckle



Fix the neon tube on the buckle



Just connect the drive power supply and power on

### 2) Embedded Installation



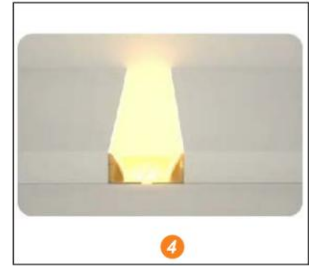
Measure the location of neon tubes to be installed



Grooving the location for installing neon tubes



Fix the neon tube with glue or buckles



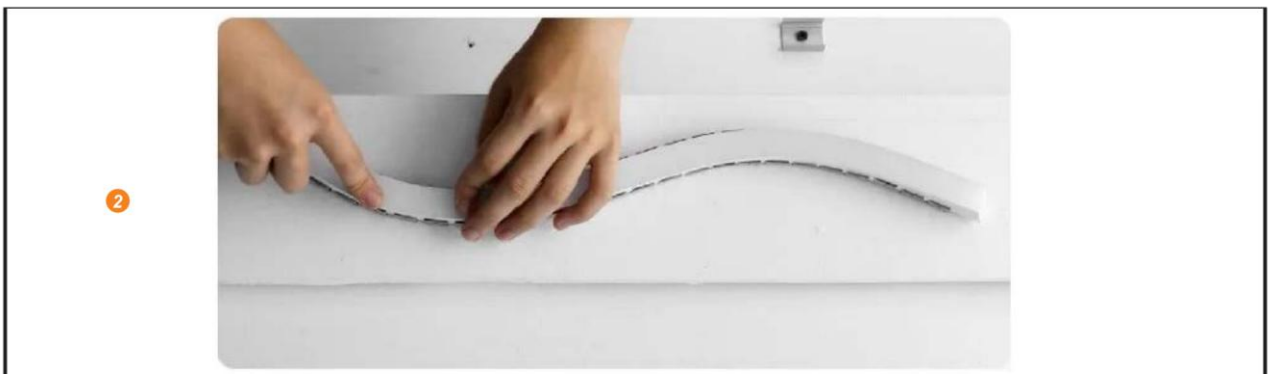
Just connect the drive power supply and power on

### 3) Flexible Keel Installation

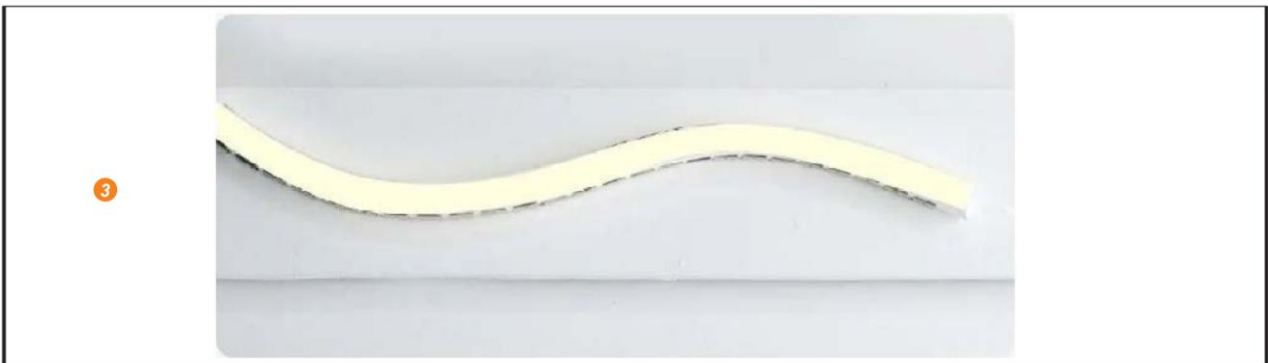
#### Flexible keel installation



Use screws to fix the flexible keel according to customized styling requirements



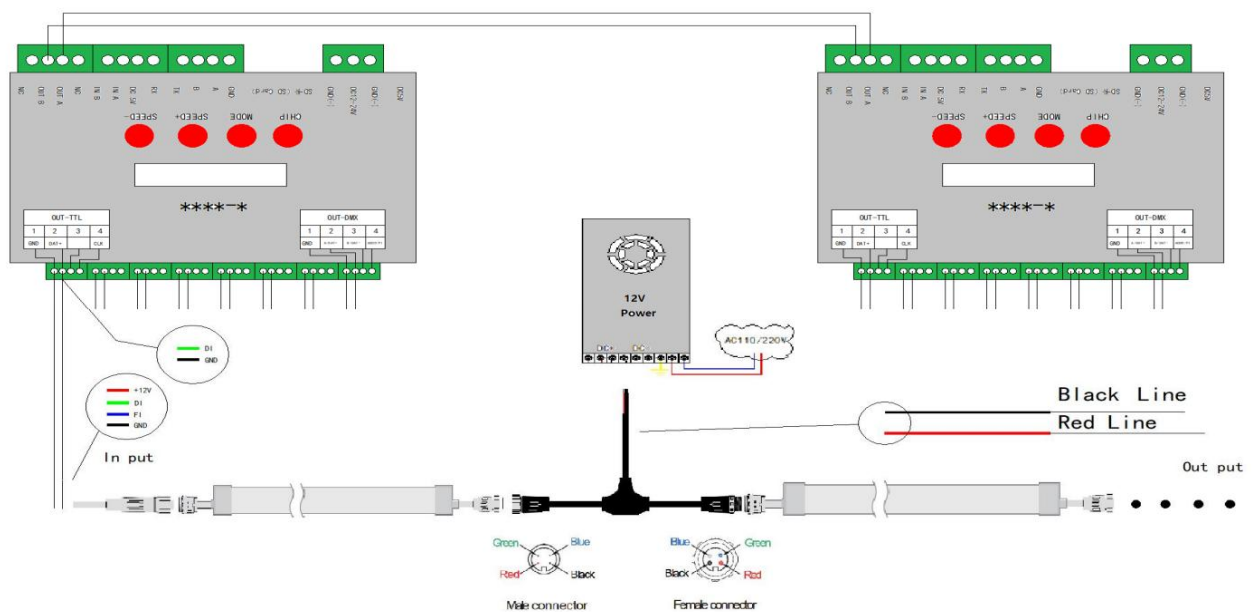
Fix the neon tube into the flexible keel according to the shape



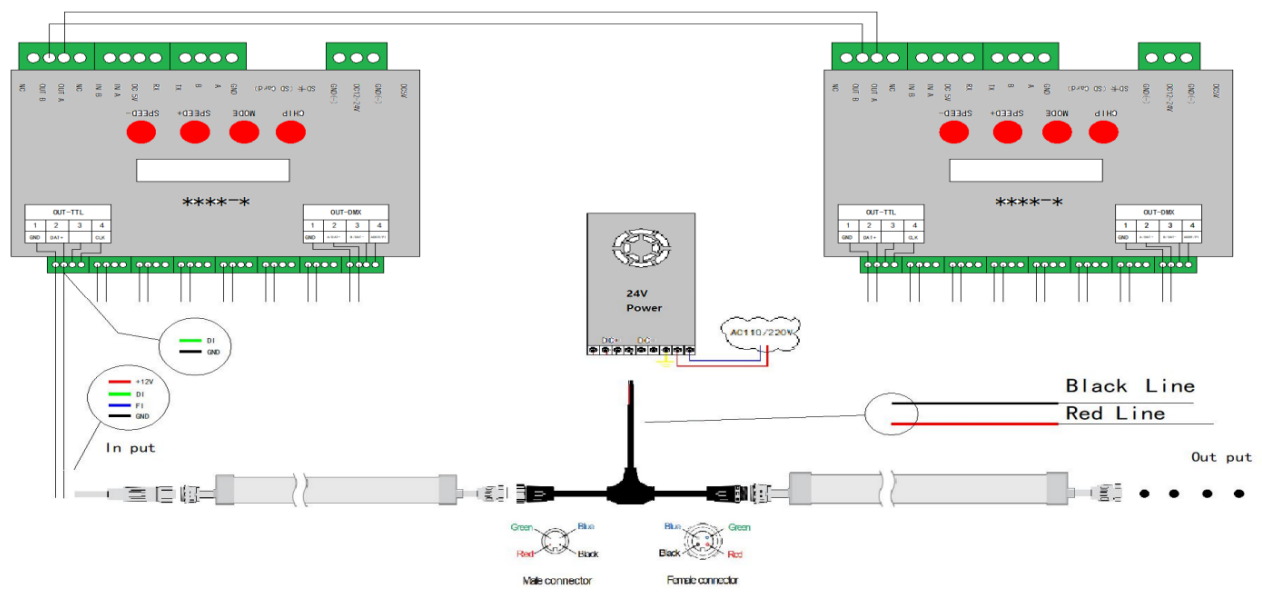
Just connect the drive power supply and power on

## PART 7 Control Diagram and Installation Diagram

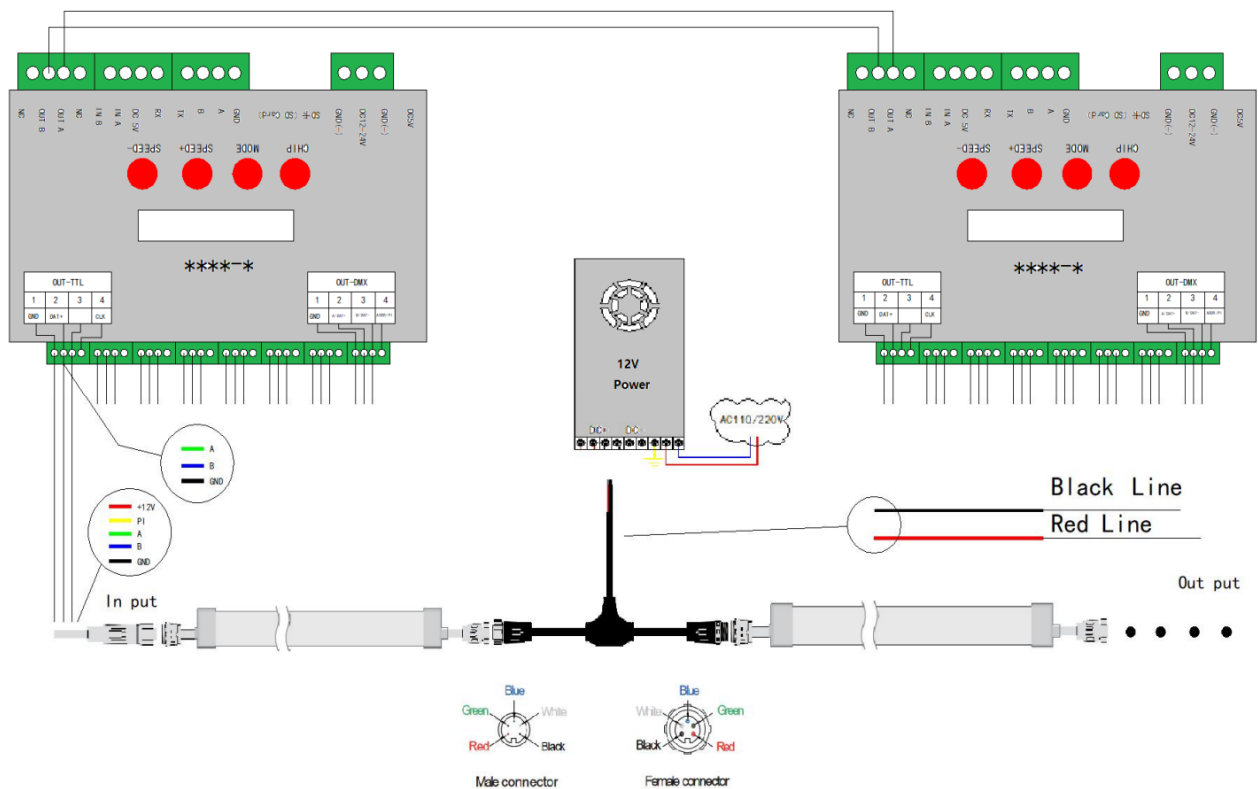
### 12V Wiring Diagram (4 Pin)-SPI



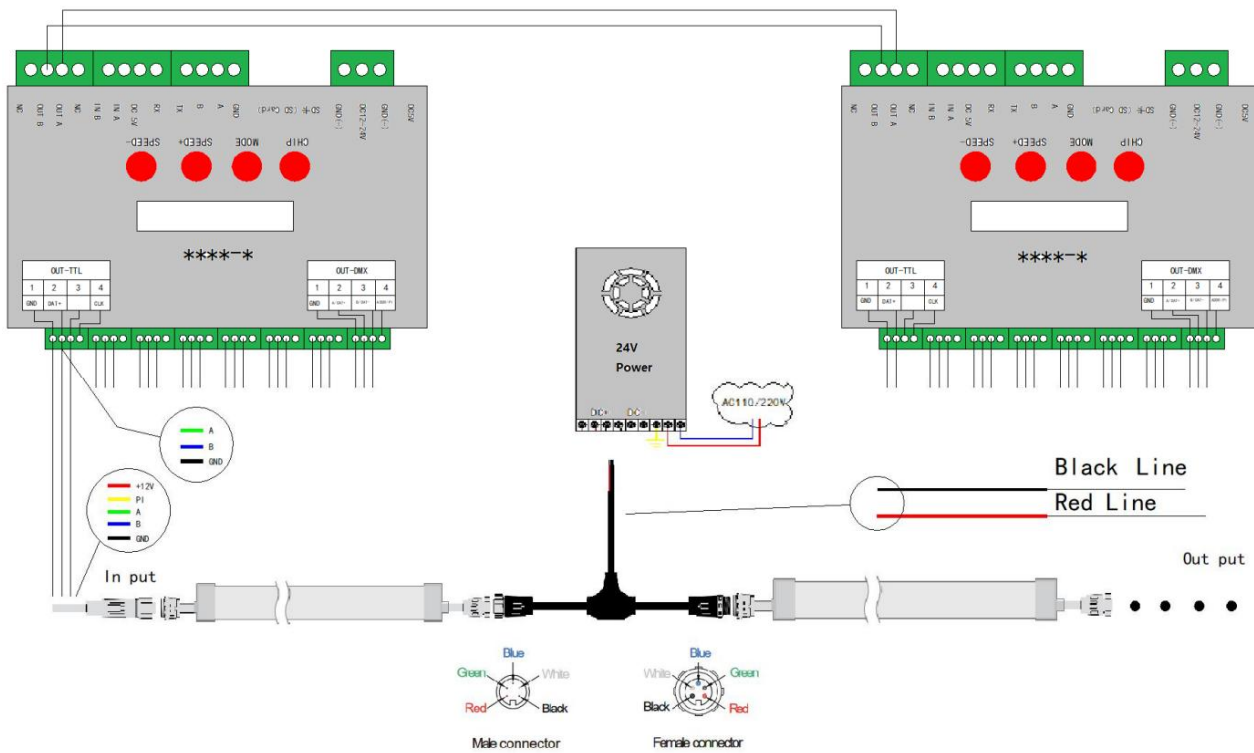
### 24V Wiring Diagram (4 Pin)-SPI



## DC12V wiring diagram-DMX

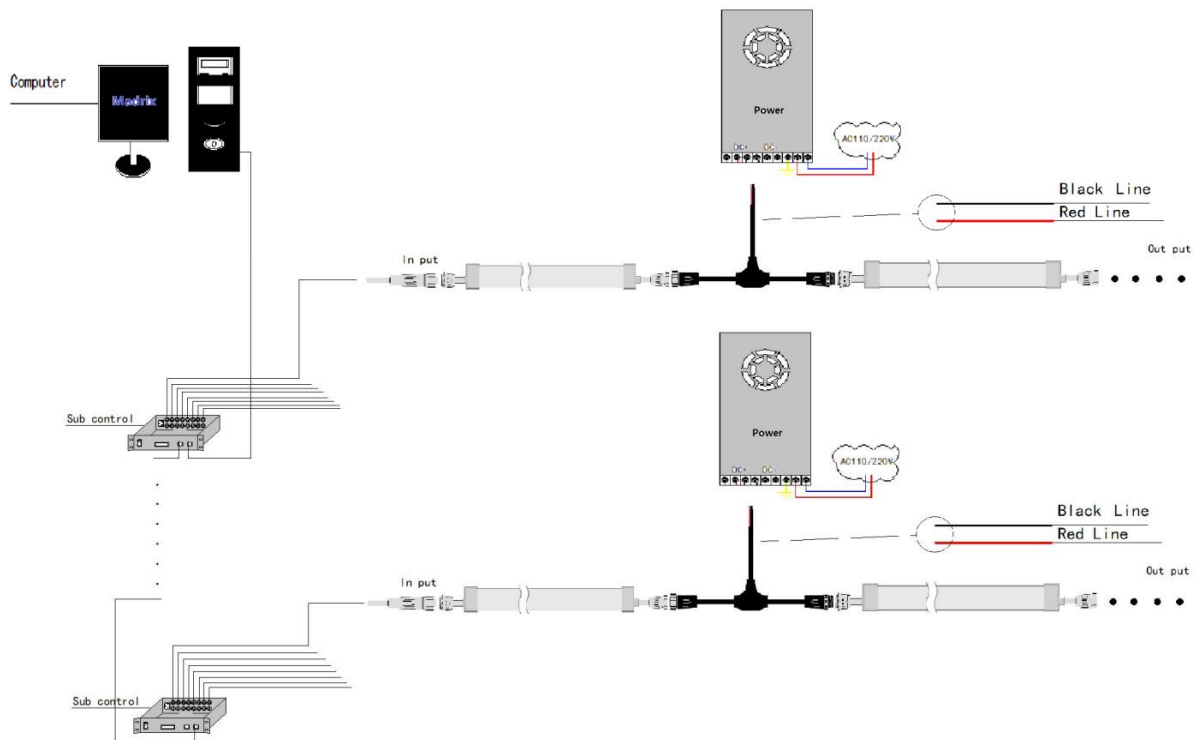


## DC24V wiring diagram-DMX

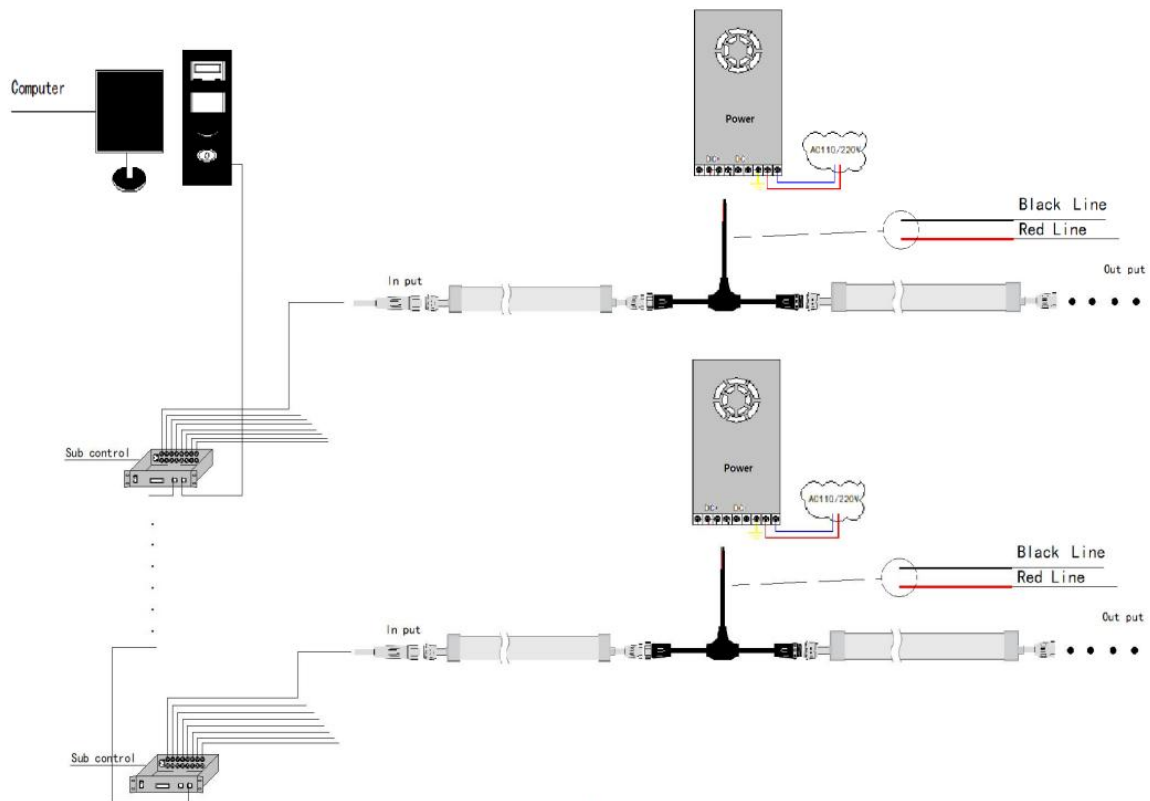


## 1.Madrix control

Recommended controller: T790K, YC3000

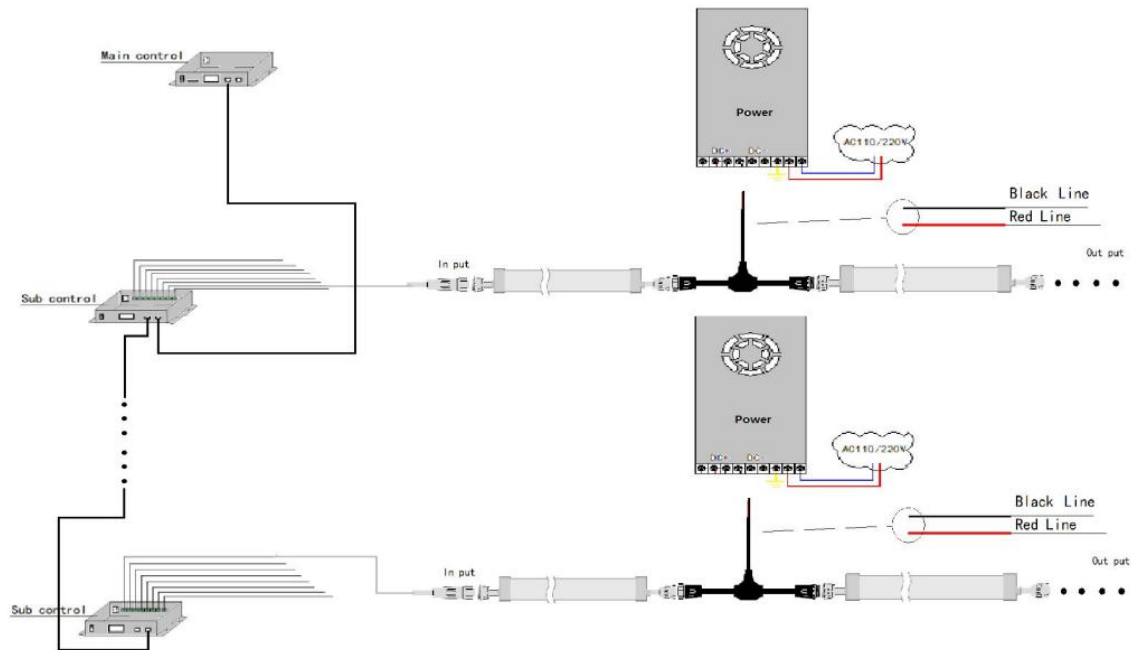


## 2.Online control by computer

**Recommended controller: T-790K****3.Main controller + sub controller (Big project)**

**Recommended controller:Main controller: XB-Z2/ MR- BF12B**

**Sub controller: T-780K/MR-218DW**



#### 4. Built-in program Auto loop playback (Small project)

Recommended controller: Main controller: XB-Z2/ MR- BF12B

Recommended controller: K1000C, K8000C

