**Al (LC) programmable full-color RGB LED lights color light modulator PWM control panel**

**Product description:**

**1.on-board high-performance microcontroller chips**

**2.on-board three way MOSFET tube, respectively control the RGB tricolor LED lights**

**3.on-board power LED lights and reset buttons**

**4.on-board the input and output power socket**

**5.on-board serial port communication interface**

**6.panel power supply voltage: 3.3-5.0 V**

**7.PCB size: 37.2 (mm) x22.5 (mm)**

**LED panel default communication baud rate: 9600 BPS**

**The LED panel communication protocol**

**Data (1) - startup logo (the default is 0 x1f)**

**Data (2) - channel number (1: red, 2: green, 3: blue)**

**Data (3) - brightness value (0-100%)**

**Data (4) - check code (the sum of the top three data)**

**Ex. :**

**Set to auto lamp: 1 00 00 f 1 f**

**The red lamp 1% brightness: 1 f 01 01 21**

**The red lamp 50% brightness: 1 f 01 32 52**

**The red lamp 99% brightness: 1 f 01, 63, 83**

**Set the green light 1% brightness: 1 f 02 01 22**

**Set the green light 50% brightness: 1 f 02 32 53**

**Set the green light 99% brightness: 1 f 02 63 84**

**Set the blue light 1% brightness: 1 f 03 01 23**

**Set the blue light 50% brightness: 1 f 03 32, 54**

**Set the blue light 99% brightness: 1 f 03, 63, 85**