

## Operational Description

Model Name: MLB7-1033-RGB

This is a WIFI flexible neon light, the product consists of three parts:

The first part: DC 24V adapter, containing constant voltage circuit, constant voltage 24V output, providing stable power supply output for the whole machine.

The second part: WIFI controller, which contains WIFI module, which responds according to the instructions issued by the user in the terminal APP, and controls the light strip to make various changes to meet the needs of the user.

The third part: LED flexible neon lights, 84 5050 RGB light sources per meter, the circuit is a common four-wire three-loop circuit, which makes the corresponding Beijing opera according to the controller's emitting neighbors, so that the 5050 RGB light source emits different light colors.

1、 After the product has been connected to DC 3.3V, product will start to work through XTAL 40MHz (Y1) vibration. During transmitting, transceiver (U3 RTL8710BN) will output low-power signals to the PA (Power Amplifier), and then radiate signals to the space through Antenna network. During receiving signal, antenna will send electromagnetic wave signal to the Low Noise Amplifier for enlarging, and then signal will be sent to transceiver to demodulate.

2、 Frequency Range: 2412-2472MHz

3、 Modulation Type: DSSS, OFDM

4、 Ant peak gain: 0.5dBi