



Ks0177 keyestudio RGB LED CUBE KIT

Introduction:

keyestudio 4*4*4 RGB LED CUBE KIT consist of 64 RGB LEDs soldered in the combination of 4*4*4. It's then driven by ARDUINO.

RGB LED CUBE emits a warm light, which is enjoyable for people of any age.

You can also use it as a mood light, or create your own "ambient device" that gently notifies you of new emails or instant messages!

The RGB LED CUBE KIT is supplied as a partly-assembled kit:

The controller board is based on an Arduino-compatible 8*8 LED RGB Matrix driver board.

All RGB LEDs are soldered to the plane PCB, and tested okay. You just need to solder and assemble the 3D matrix.

The RGB LED CUBE KIT comes with a sketch pre-installed that runs through a test pattern.

For example, you could display:

Weather conditions based on online weather service data

Heart beat animation driven by a heart rate monitor

Colour animations synchroised to music

The water level in a water tank

Whether your last software build passed or failed its tests

A visualisation of how much power your house is using

Notifications for IM and email

A visual count-down timer for some event

Note: the control board has a toggle switch, if connecting external DC 7-12V power, toggle switch must be set to Header terminal, or else it will damage the control board; if set to (Terminal) terminal, external power only can accept 5V.

Features:

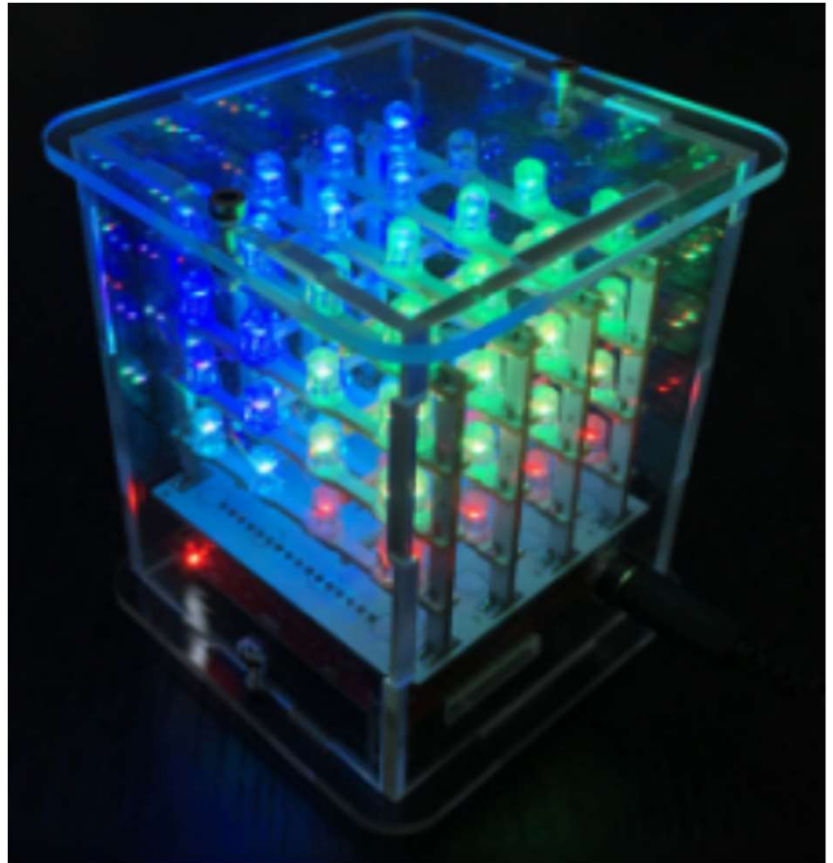
64 RGB LEDs

Simple assembly using a PCB frame

8*8 LED RGB Matrix driver board

7-12V independent power supply

Arduino driver library with example programs



Resources:

https://wiki.keyestudio.com/Ks0177_keyestudio_RGB_LED_CUBE_KIT