

Sound-controlled and light-controlled combined module



Overview

It converts sound (such as clap ping) and light into electrical signals, amplifies and shapes them, and outputs a switch signal to control the work of various electrical appliances. It has a wide range of uses in the automatic control of industrial appliances and household. In Arduino, we can use sound sensors and light sensors to detect the sound and light intensity of the surrounding environment respectively, and then realize the "sound and light dual control lamp" function through Arduino IDE code programming, Python code programming and Mind+ graphical. In this lesson, we will make a smart sound activated light using a sound sensor and an LED module. How it works?

Because the sound-controlled light is equipped with a sound. This project uses arduino code to program an ESP32 board, with a sound sensor. The objective is to detect two claps in quick succession and toggle the state of an LED (turn it ON or OFF). It has a wide. This Arduino based module is intended for use in a large scale building to control individual room lights and sounds in a random fashion to simulate activity in the building.



Article Content

HOW to Control Light by Sound with ESP32

In this lesson, we will make a smart sound activated light using a sound sensor and an LED module. When we make a sound, the light will automatically turn on; when there is no sound, the light will

Light & Sound Control Module

This Arduino based module is intended for use in a large scale building to control individual room lights and sounds in a random fashion to simulate activity in the

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