

Light sensor and recording module



Article Overview

A light-sensing recording module is a device that plays recorded audio automatically when exposed to light, ideal for interactive gifts, music boxes, and creative projects.

Overview

A light-sensing recording module (also called a light-activated sound module) is designed to detect changes in light levels and trigger playback of pre-recorded audio. These modules are commonly used in gift boxes, jewelry boxes, mailing tubes, toys, and DIY projects to create a surprising or interactive experience when the item is opened or exposed to light .

Key Features

- **Recording Capability:** Modules typically allow recording of custom messages, music, or sound effects. Recording times range from 20 seconds to 300 seconds (5 minutes) depending on the model .
- **Activation Method:** Playback is triggered when the light sensor detects a change in light intensity, such as opening a box lid. Some modules can also detect motion in combination with light changes .
- **Audio Quality:** Many modules include a built-in speaker with clear, high-quality sound suitable for small enclosures or personal projects .
- **Re-recordable:** Most modules allow multiple re-recordings, enabling users to update messages or sounds as needed .
- **Power Supply:** Modules often feature rechargeable batteries (e.g., 200mAh) that support hundreds of playback cycles before recharging

Article Content

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Learn what a light sensor is, how it works, common types like LDR, and how to interface a light sensor with

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LDR sensor with Arduino – How to use (with examples)

Learn how to use a Light Dependent Resistor with Arduino. This post will cover the basics of the LDR and how to use

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LDR Sensor Module Interface With Arduino: This tutorial teaches the basics on using LDR Sensor Module.

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Getting Started with Light Sensor Module (SN-LIGHT-MOD)

INTRODUCTION SN-LIGHT-MOD is a photosensitive resistor module, suitable to detect environmental light intensity

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Diymore DIY Birthday Cards Music Module 8MB,Light Sensing

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Light Sensor using LDR, Photodiode and Phototransistor

Basic tutorial about Light sensors; Light dependent resistor voltage network; Photodiode and phototransistor principle

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Light Sensor Activated Sound Module | Recordable

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XLW Sound Module, 16MB Push Button, Magnetron, Light

XLW Sound Module, 16MB Push Button, Magnetron, Light Control Activated Recordable Voice Sound Chip Module with LED Light

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60 Seconds Light Control Voice Recording Module | ICStation

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Transform items like jewelry boxes, drawers, and scrapbooks with our voice module. Just expose it to light, and it will play your

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Recordable Light Activated Sound Modules

DESCRIPTION: Just Record and Stick! Easy light activated peel and stick sound modules. Light Activated Sound Modules, also

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With the ability to store multiple audio files, you can add a variety of songs, instrumental recordings, and

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DIYables LDR Light Sensor Module for Arduino, ESP32, ESP8266,

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Light Sensor: Fundamentals, Technologies, and Applications

A light sensor (or photodetector) is an electronic device that measures light intensity and responds to it. Light sensors

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Transform your creations with Custom Light Activated Audio Modules, ideal for interactive greeting cards,

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300-Second USB Recording Module – Motion, Light & Button Activated

The USB6M-PIR is a re-recordable USB audio module with up to 300 seconds of playback, triggered by motion (PIR sensor), light, or

Contact Us

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