Light-sensing recording module



Overview

30second Light-Sensing Playback and Recording Module30second light-sensing playback and recording module by yusijie offers COB mounting, -10°C to 60°C temp.

Key Takeaways

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.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Power Supply: Modules often feature rechargeable batteries (e.g., 200mAh) that support hundreds of playback cycles before recharging. Control Options: Some modules include ON/OFF switches, volume control, and USB connectivity for easy file transfer and programming.

Applications

Personalized Gifts: Add custom messages to greeting cards, music boxes, or scrapbooks. Marketing and Corporate Use: Light-activated modules can be used in promotional items, mailing tubes, or media kits to surprise recipients with audio messages.

DI

Y Projects: Ideal for hobbyists, model builders, and craft enthusiasts who want to integrate sound into interactive displays or creative projects.

Technical Considerations

File Format: Modules may support MP3 or WAV files, depending on the model, and often allow drag-and-drop file transfer via USB. Sensor Sensitivity: Light sensors detect changes in light intensity, and some modules may not function well in dim lighting. Size and Installation: Compact modules (e.g., 3.

5 x 2. 75 x 0. 25 inches) can be easily installed inside boxes or other enclosures, often with adhesive backing.

In summary, a light-sensing recording module is a versatile tool for creating interactive audio experiences. It combines light detection, re-recordable audio, and compact design to enhance gifts, promotional items, and DIY projects with personalized sound.

Article Content

30second Light-Sensing Playback and Recording Module

30second light-sensing playback and recording module by yusijie offers COB mounting, -10°C to 60°C temperature range, and GUA origin. Perfect for music.| Alibaba

Light sensors | TI

Our solutions for ambient light and color sensing provide enhanced recording quality and precise camera exposure with high sensitivity and high-resolution color measurement.

Diymore DIY Birthday Cards Music Module 8MB,Light Sensing

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Enhance your DIY projects with our innovative sound module. Featuring light sensing activation, you can easily add audio to your creations without buttons or switches. The rechargeable lithium battery

Pre-Recorded and Recordable Light Activated Sound

Order your own custom Light Activated Sound Module. Perfect for boxes, gifts, packaging, media kits and more. Available in multiple sound duration.

USB7M-SB 300-Second USB Recording Module – Motion/Light

The USB7M-SB is a re-recordable USB audio module with up to 300 seconds (5 minutes) of playback, housed in a black enclosure. It features motion sensing and light detection for automatic activation,

Low Price Light Sensor Sound Module Customizable Voice Recording ...

Discover light sensor sound modules with USB programming, 60-second recording, and LDR activation for DIY greeting cards and gift boxes.

Light Sense Voice Sound Record Chip: A Deep Dive into Real

A light sense voice sound record chip triggers audio playback when exposed to light, enabling automatic, battery-free activation in DIY projects like greeting cards and simple alarms, with reliable

Light Sensor Sound Module: The Ultimate Guide to DIY Audio

The light sensor sound module responds to ambient light changes to trigger audio playback, making it ideal for DIY projects. This guide explores its functionality, ease of programming, reliability in various

Light Sensor Activated Sound Module Music Chip for

Sound playback is triggered when the light sensor senses the presence of light. It is reset and retriggered when light is completely removed. Choose from our

Recordable Sound Chips | Plays Multiple Files | Light

With the ability to store multiple audio files, you can add a variety of songs, instrumental recordings, and unique sounds to your craft projects, personalized

XLW Sound Module, 16MB Push Button, Magnetron,

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

Recordable Light Activated Sound Modules

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

DESCRIPTION: Just Record and Stick! Easy light activated peel and stick sound modules. Light Activated Sound Modules, also known as Light Sensor Sound Devices, are the perfect solution for

USB Recording Module with Motion Sensing or Light Detecting

Buy USB Recording Module with Motion Sensing or Light Detecting and Black Enclosure (Windows): Motion Detectors - Amazon FREE DELIVERY possible on eligible purchases

Light detection and ranging of natural systems

Light detection and ranging (lidar) is an active remote sensing technology that can consistently measure distances by emitting light from a laser source and recording the signal

Diymore DIY Birthday Cards Music Module 8MB,Light Sensing

Diymore DIY Birthday Cards Music Module 8MB,Light Sensing Activated Sound Module with Speaker,Easy Recording for Personalized Greetings,DIY Projects Holiday Crafts Cards Gifts for

60 Seconds Light Control Voice Recording Module | ICStation

Enhance your DIY gifts and music greeting cards with our 60 Seconds Light Control Voice Recording Module. Button battery-powered for convenience, it adds a personal touch with ease.

Introduction to Light Detection and Ranging (Lidar) Remote Sensing

This lesson reviews what Lidar remote sensing is, what the lidar instrument measures and discusses the core components of a lidar remote sensing system.

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

INTRODUCTION SN-LIGHT-MOD is a photosensitive resistor module, suitable to detect environmental light intensity and ambient brightness. Its sensitivity can be tuned with an on board

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved