GODIYMODULES B0DLST68P5

GODIYMODULES LED Sound-Controlled Music Spectrum Display (Model B0DLST68P5) - User Manual

Your guide to setting up and operating your ambient light module.

1. Introduction

The GODIYMODULES LED Sound-Controlled Music Spectrum Display (Model B0DLST68P5) is an ambient light module designed to visualize audio signals. It features a vibrant LED display that reacts to sound, creating an atmospheric rhythm light effect. This device is intended for ambient lighting, decoration, and audio modification purposes. Please note that this is a flashing LED panel and does not function as a frequency analyzer.

2. Safety Information

- Ensure the device is powered by a 5V1A Type-C power supply. Using an incorrect power supply may damage the unit.
- Keep the device away from water and moisture to prevent electrical hazards.
- Avoid exposing the device to extreme temperatures or direct sunlight.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by qualified personnel.
- Keep out of reach of children.
- The circuit board is exposed; handle with care to avoid damage to components.

3. Package Contents

Verify that all items are present in your package:

- 1 x Voice-controlled music spectrum display module
- 1 x Type-C Cable

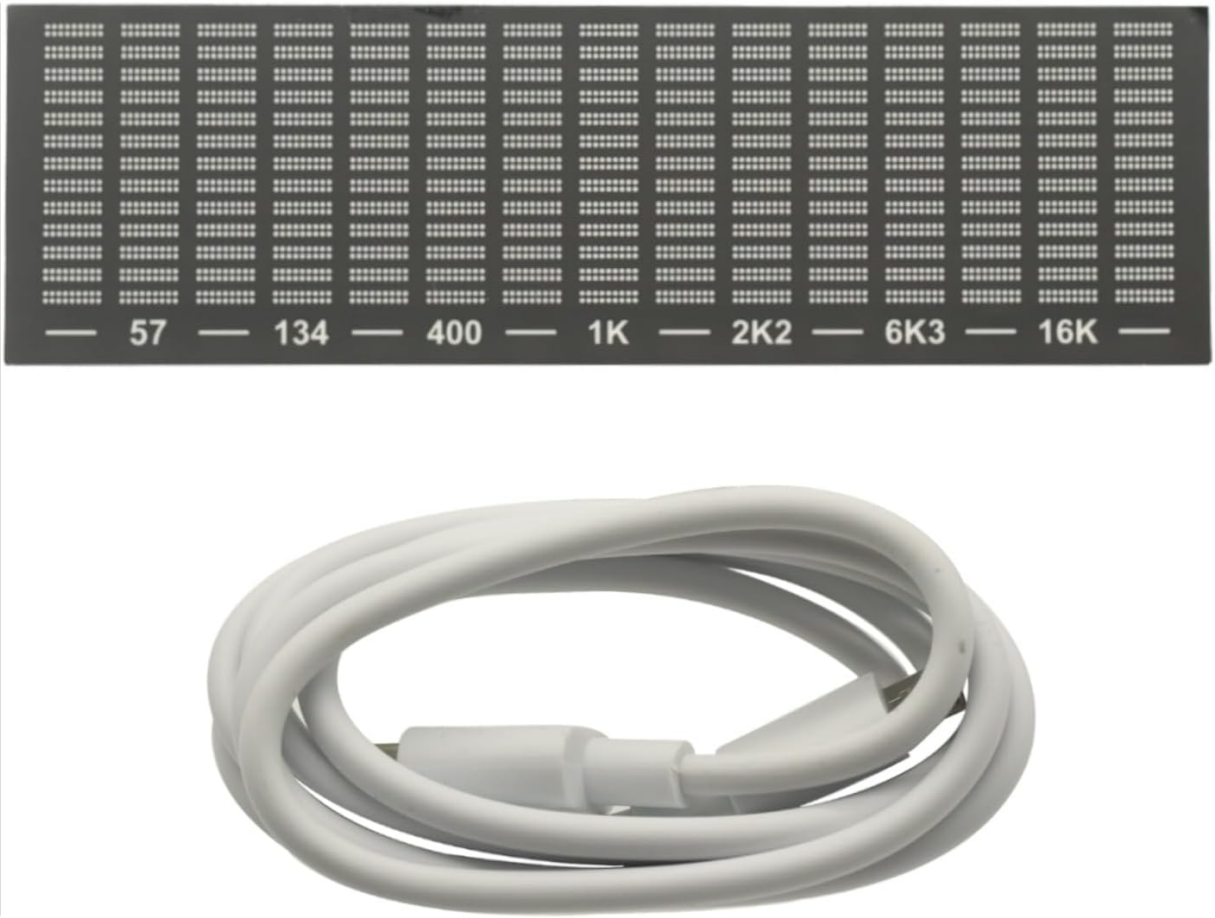

Image: The LED music spectrum display module and the included Type-C cable.

4. Product Overview

The B0DLST68P5 module is compact and designed for ease of use. It features a main circuit board with an integrated microphone for sound detection, a Type-C power input, and adjustment controls.

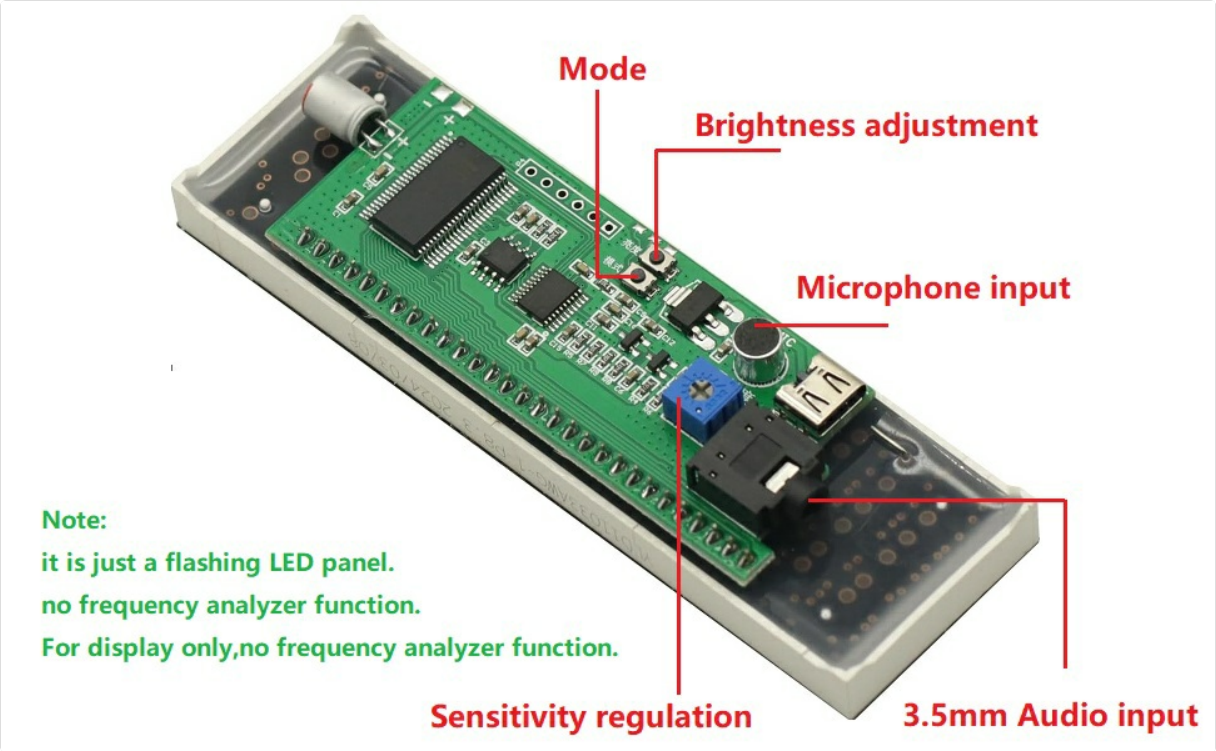

Image: Detailed diagram of the module highlighting key components: Mode button, Brightness adjustment, Microphone input, Sensitivity regulation knob, and 3.5mm Audio input.

- **Mode Button:** Used to cycle through different display modes and patterns.
- **Brightness Adjustment:** A button or knob to control the intensity of the LED lights.
- **Microphone Input:** Built-in microphone for sound detection and visualization.
- **Sensitivity Regulation:** A potentiometer (knob) to adjust the responsiveness of the display to sound levels.
- **3.5mm Audio Input:** An auxiliary input for direct audio connection (if available on your specific model, refer to the diagram).
- **Type-C Power Supply Interface:** For connecting the 5V1A power cable.

5. Setup

Setting up your LED Sound-Controlled Music Spectrum Display is straightforward:

1. **Power Connection:** Connect the provided Type-C cable to the Type-C power supply interface on the module. Plug the other end into a 5V1A USB power adapter (not included) or a compatible USB port. The device will power on automatically.
2. **Placement:** Place the module in your desired location. For optimal sound detection, ensure the built-in microphone is not obstructed and is reasonably close to the audio source.
3. **Optional Audio Input:** If your model includes a 3.5mm audio input, you can connect an external audio source directly using a 3.5mm audio cable (not included) for potentially more precise audio visualization.

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Video: Demonstrates plugging in the power supply and the initial light-up sequence of the music spectrum display.

6. Operating Instructions

Once powered on, the module is ready for use. Adjust settings using the onboard controls:

- **Adjusting Sensitivity:** Use the *Sensitivity Regulation* knob to fine-tune how the display reacts to sound. Turn the knob to increase or decrease the responsiveness. This helps in adapting the display to different audio volumes and environments.
- **Changing Display Modes:** Press the *Mode Button* to cycle through various pre-programmed display patterns and effects. Each press will switch to the next available mode.
- **Adjusting Brightness:** Use the *Brightness Adjustment* control to set the desired LED intensity. This is useful for different lighting conditions or personal preference.

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Video: Shows various display modes and patterns of the LED music spectrum analyzer in action.

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Video: Demonstrates the RGB colorful LED spectrum analyzer responding to music.

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Video: Illustrates the dynamic response of the LED music spectrum display to audio input.

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Video: Shows the music spectrum level light in various settings, reacting to sound.

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Video: Demonstrates the light bar syncing with music, creating a dynamic visual effect.

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Video: An audio spectrum analyzer displaying sound levels visually.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to gently wipe the surface of the module. Do not use liquid cleaners or abrasive materials, as they may damage the display or components.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and dust.
- **Handling:** As the circuit board is exposed, handle the device carefully to avoid bending or damaging any components.

8. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	No power or incorrect power supply.	Ensure the Type-C cable is securely connected and the power adapter is 5V1A and functioning.
Display is not reacting to sound.	Microphone obstructed or sensitivity too low.	Check if the microphone is clear. Adjust the Sensitivity Regulation knob clockwise to increase sensitivity. Ensure the audio source is loud enough.
Display is too dim or too bright.	Brightness setting is incorrect.	Use the Brightness Adjustment control to set the desired brightness level.

Problem	Possible Cause	Solution
Display shows erratic patterns.	Interference or very loud/distorted audio input.	Reduce the volume of the audio source or adjust sensitivity. Move the device away from potential sources of electrical interference.

9. Specifications

- **Brand:** GODIYMODULES
- **Model:** B0DLST68P5
- **Dimensions:** Approximately 110mm (width) x 33mm (height) x 9mm (thickness), 17mm at thickest point (without shell)
- **Power Supply:** Type-C interface, 5V1A
- **Connectivity Technology:** USB (for power)
- **Item Weight:** 1.76 ounces
- **Included Components:** 1 PCS Voice controlled music spectrum; 1 PCS Type-C Cable
- **Compatible Devices:** Devices with Type-C interface (for power)
- **Function:** Ambient lighting, decoration, audio modification (flashing LED panel, not a frequency analyzer)

10. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact the seller directly through the platform where the product was purchased. Keep your purchase receipt as proof of purchase.