



Make Enterprise Material Management Simpler, Smarter, and More Efficient



Guangzhou Zebra Information Technology Co., Ltd.

Smart Colorful LED Location Label

Model: ZSL-PT02

Version: V3.0

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Product Image



Product Overview

The ZSL-PT02 Smart Colorful LED Location Label is a 2.4G wireless smart sound and light indicator label. It features an integrated transparent housing with a high-brightness RGB integrated light source, offering 6 standard light colors and 1 button. The device provides high brightness, clear color rendering, and responsive performance. It supports wireless signal networking and parameter customization, and can interface with various warehouse management and sample management systems, receiving remote commands and triggering light alerts.

Relying on stable 2.4G wireless transmission technology, it offers strong anti-interference capability and low transmission delay, maintaining stable linkage even with dense label deployment. With visual light indication, it can complete location guidance, material retrieval, status alerts, inventory reminders and other tasks, significantly improving material search efficiency and management standardization. Suitable for industrial warehouses, automated dense storage, scientific laboratory sample cabinets, reagent cabinets, archive cabinets and other intelligent management scenarios requiring material positioning and status alerts.

Key Features

- 2.4G low-power design, standby power: 63 μ A
- Adopts transparent housing, multiple colors clearly visible
- Ultrasonic welding process, waterproof rating reaches IP54



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- Total weight 45g
- 2 CR2477 button cells, total capacity 2000 mAh, can work for 36 months (lighting over 10 times/day, 5 seconds each)
- Battery replaceable (recommended to use our provided batteries with high current)

Technical Specifications

Item	Specification
Product Name	Smart Colorful LED Location Label - Button
Model	ZSL-PT02
Dimensions	80 × 32 × 18mm
Weight	45g
Battery	2 × CR2477
Communication Protocol	AES Encrypted Private Protocol
Transmit Power	Default 0dBm
Mounting Method	Adhesive / Clip / Magnetic
Housing Material	PC
Communication Range	Radius 20m without obstruction (depending on environment)
Operating Time	36 months (actual battery life depends on lighting frequency)
Storage Temperature	0 ~ 65℃
Color	White Transparent (Customizable)

Notes

For safe and effective use of this product, please read the following before use.

- Non-professionals are strictly prohibited from disassembling the enclosure to prevent product damage.
- This product contains batteries. Do not dispose of in fire or use in explosive environments to prevent battery explosion.