



SXM SLA01
Audio-Visual Signaling Device for Vehicle Safety

User manual

1. Product Introduction

The new generation of SXM SLA01 smart beacon offers multiple operating modes, including strobe, flash, rotation, and steady illumination, providing a versatile solution for visual signaling in various operating environments.

This device is specially designed for integration into vehicles and equipment that have or incorporate solutions from the SXM line, being widely applicable in government fleets, freight transport, buses, mobility services (remises, taxis) and private vehicles.

Through visual and audible alerts, depending on the configuration, it allows for the clear and immediate highlighting of critical events, such as vehicle failures or equipment anomalies, contributing to improved operational safety, response capacity and efficiency in transportation environments.

2. Detailed parameters

Parameter	Audio	No Audio
Power supply method		DC 9~30V
Wiring definition	The red wire is the positive terminal of the power supply, the black wire is the negative terminal of the power supply, and the green and yellow wires are the two high-level activation lines.	
Dimensions		70 x 50 mm
Color options		Red, orange, green, blue
Audio format	Audio format: WAV (bit rate: 8~320 Kbps)	No
Operating current	Operating current: ≤ 700 mA (DC 9V) 4 Ω /3W (typical)	≤ 130 mA (9V DC)
Audio output power	≤ 105 dB at less than 1 meter	No
Sound volume	10 adjustable warning tones (default)	No
Sound mode	6 adjustable volume levels	No
Volume level	WAV (bit rate: 8~320 Kbps) Playback speed ≤ 700 mA (9V DC)	No
Lighting mode		Strobe, Rotation, Flashing, Constant On
A magnet can be added		Yes
Protection classification		IP65
Relative humidity		10% ~ 95%
Power-up response time		≤ 1 second
Ambient temperature		-20°C~70°C
Operating mode		Trigger on high-level signal (default), trigger on low-level signal (customizable)
Accessories	Includes: Certificate of conformity x1, Instruction manual x1, Fixing screws x3, Magnet kit (optional), Mounting bracket (optional), Infrared remote control x1 (optional)	

3. Dimension

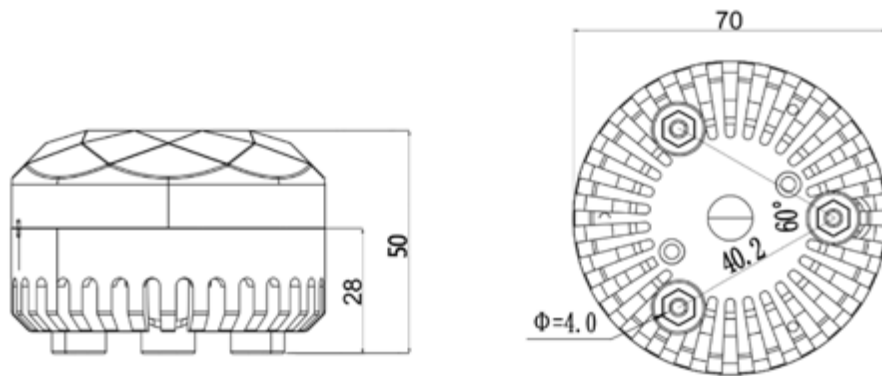


Figure 1: Dimensions of the SXM SLA01

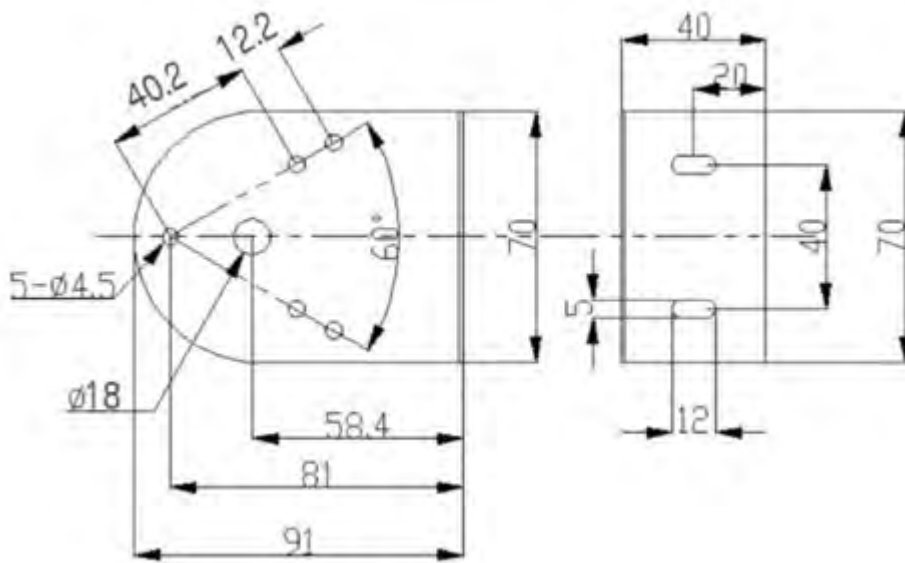
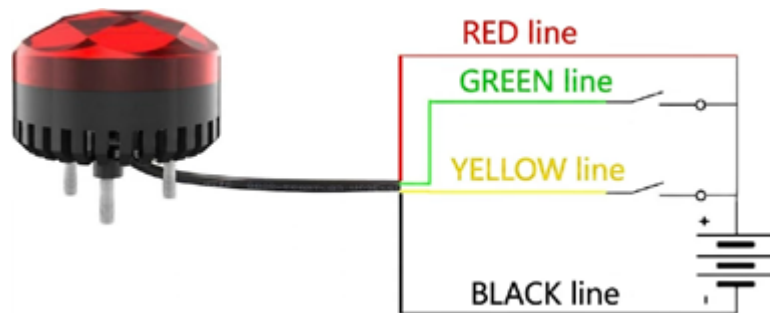


Figure 2: Dimensions of the mounting bracket for the SXM SLA01

4. Wiring





Connect the red wire to the positive terminal of the power supply and the black wire to the negative terminal. The yellow and green wires correspond to high-level (rising edge) trigger inputs, which activate the equipment upon receiving the corresponding signal, as illustrated in Figure 4-1.

The activation lines (yellow and green) can be configured to execute specific functions, such as playing audio files stored in memory (depending on the equipment version) and selecting the different lighting modes available.



4-1 Wiring method for signal activation

5. Operating instructions.

Button	Operation	Functions	Behavior
	Short press once	Switch activation track	The SXM SLA01 will blink once or twice: a single blink indicates that the next track to be played corresponds to trigger line 1, while a double blink indicates that the next track corresponds to trigger line 2. Subsequently, by pressing the "Next Track" or "Previous Track" buttons, the track can be selected.
	Press 5 times consecutively (with intervals of no more than 3 seconds).	Restore factory settings	Factory default settings: Maximum volume (Level 6), Default trigger track (Track 1: "Large vehicle danger: keep clear") and Flash mode (Strobe).
	Press briefly once; then, within 3 seconds, press briefly 3 times consecutively.	Change lighting mode	Four selectable lighting modes: Flash, Strobe, Rotating, and Fixed Light (settings are retained after a power outage).
	Short press once	Switch to previous/next track	By pressing the "Next Track" or "Previous Track" buttons, you can switch between the tracks assigned to the trigger lines (10 audio options are available) (the setting is retained after a power outage).
	Short press once	Increase/Decrease volume	By pressing the volume up or down buttons, you can adjust the volume level (6 adjustable levels, including mute) (the setting is retained after a power outage).

5.1 SXM SLA01 Operating Instructions

If the remote control is not used, the operating parameters of the SXM SLA01, such as volume adjustment or selection of operating modes, can be configured directly from the device itself.

To do this, you need to remove the screws that secure the upper and lower casings and open the cover. Once this is done, you will be able to access the device's internal controls.

The following steps are detailed below:

Button	Operation	Function
UP button	Short press for 1 second	Select the warning voice (10 warning sounds available)
	Press and hold for 3 seconds	Enter volume adjustment mode; if no operation is performed, it will automatically exit volume adjustment mode after 3 seconds. In this mode, a short press increases the volume to level 6.
MOD Button	Short press for 1 second	Select the flashing light mode (strobe, flashing, rotating, and constant light modes are available).
	Press and hold for 3 seconds	Enter volume adjustment mode; if no operation is performed, it will automatically exit volume adjustment mode after 3 seconds. In this mode, a short press decreases the volume to level 0 (silence).
	UP button + MOD button	Restore factory settings

6. Installation Instructions





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Product may vary from description.

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