

## DIANQI JBQ-SG-Hong

# DIANQI Fire Alarm Sound and Light Strobe Siren

MODEL: JBQ-SG-HONG USER MANUAL

## 1. Introduction

Thank you for choosing the DIANQI Fire Alarm Sound and Light Strobe Siren. This manual provides essential information for the safe and effective installation, operation, and maintenance of your device. Please read these instructions carefully before use and retain them for future reference.

**Important Safety Note: This product is not UL listed.**

## 2. Product Overview

The DIANQI Fire Alarm Sound and Light Strobe Siren is designed to provide both audible and visual alerts in the event of a fire. It features a loud sound output and a bright flashing strobe light to ensure effective warning.

### Key Features:

- Integrated sound and light alarm functionality.
- Wide operating voltage: 9V to 24V DC.
- High sound output: up to 110dB at 24VDC.
- Three selectable alarm tones.
- Bright blinking strobe light with a life expectancy of over 4000 flashes.
- Constructed from ABS fireproof material.

### Components Included:

- Fire Alarm Siren Unit
- Mounting Screws and Wall Plugs

## Package Contains



This image shows the DIANQI Fire Alarm Sound and Light Strobe Siren unit along with its packaging and included mounting hardware.

### 3. Specifications

Specification	Value
Model Number	JBQ-SG-Hong
Operating Voltage	9V - 24V DC
Operating Current	75mA (12V) / 150mA (24V)
Sound Output	≥105dB (12V) / ≥115dB (24V)
Flash Light Life	≥4000 flashes
Dimensions (L*W*H)	126mm x 126mm x 42mm (4.96" x 4.96" x 1.65")
Mounting Type	Wall Mount (Screw-In)
Material	ABS Fireproof
Color	Red



A diagram illustrating the precise dimensions of the DIANQI Fire Alarm Sound and Light Strobe Siren, including length, width, and height in millimeters and inches, along with screw dimensions.

## 4. Setup and Installation

Follow these steps for proper installation of your fire alarm siren:

1. **Choose a Location:** Select a suitable wall-mount location where the alarm can be clearly heard and seen by occupants. Ensure it is away from obstructions.
2. **Mounting:** Use the provided screws and wall plugs to securely mount the siren to the wall. The distance between mounting holes is approximately 80mm / 3.26 inches.
3. **Wiring:** Connect the power supply to the terminals on the back of the unit. Ensure correct polarity: connect the 12V or 24V DC Anode to the positive terminal and the Cathode to the negative terminal.
4. **Tone Selection:** The siren offers three different tones. To change the tone, connect the short circuit cap to the corresponding sound port (S1 or S2) as required. Refer to the diagram below for tone settings.



This image displays the back panel of the DIANQI Fire Alarm Sound and Light Strobe Siren, showing the wiring terminals for 12V or 24V DC power and the short circuit cap for selecting one of the three available alarm tones.



A detailed view of the tone selection switch on the DIANQI Fire Alarm Sound and Light Strobe Siren, indicating how to set different alarm sounds (Pumper, Ambulance, Police car sound) using the short circuit cap.

## 5. Operation

Once properly installed and powered, the DIANQI Fire Alarm Sound and Light Strobe Siren will activate upon receiving a signal from a connected fire alarm control panel or sensor. When activated, it will emit a loud audible alarm and a bright flashing light to alert occupants to the presence of a fire or emergency.

- **Sound:** The siren produces a loud sound, reaching up to 110dB at 24VDC, ensuring it is heard across various environments.
- **Light:** The integrated strobe light provides a bright, blinking visual warning, which is particularly effective in noisy environments or for individuals with hearing impairments.



This image highlights the sound and light alarm features of the DIANQI Fire Alarm Strobe Siren, detailing its working voltage, sound output, and bright blinking strobe.

## 6. Maintenance

To ensure optimal performance and longevity of your DIANQI Fire Alarm Sound and Light Strobe Siren, regular maintenance is recommended:

- **Cleaning:** Periodically wipe the exterior of the siren with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Testing:** Regularly test the alarm in accordance with local safety regulations and the instructions of your fire alarm control panel.
- **Visual Inspection:** Check for any visible damage to the casing or wiring. If any damage is found, discontinue use and consult a qualified technician.

## 7. Troubleshooting

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If you encounter issues with your DIANQI Fire Alarm Sound and Light Strobe Siren, consider the following:

- **No Sound/Light:**
  - Check the power supply connections to ensure they are secure and correctly polarized.
  - Verify that the power source (12V/24V DC) is active and providing the correct voltage.
  - Ensure the alarm signal from the control panel is being sent to the siren.
- **Incorrect Tone:**
  - Re-check the position of the short circuit cap for tone selection as per the installation instructions.

For persistent issues, please contact a qualified electrician or your system installer.

## 8. Warranty and Support

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Specific warranty details for this product are not provided in the available information. Please refer to your purchase documentation or contact your retailer for warranty information.

For technical support or inquiries, please contact the manufacturer or your point of purchase.