netvox ™

Wireless LoRa Siren

LoRa Siren
User Manual

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1. Introduction

R602A is a long-range wireless alarm device for Netvox ClassC type devices based on the LoRaWAN open protocol, compatible with the LoRaWAN protocol. The AppServer can be used to control the R602A. The R602A has four kinds of alarm sounds - fire alarm / emergency alarm / alarm / doorbell sound. The high-brightness alarm flashes and the speaker emits an alarm sound to apply alarm sound and light in the security-related application scenarios.

LoRa Wireless Technology:
LoRa is a wireless communication technology dedicated to long distance and low power consumption. Compared with other communication methods, LoRa spread spectrum modulation method greatly increases to expand the communication distance. Widely used in long-distance, low-data wireless communications. For example, automatic meter reading, building automation equipment, wireless security systems, industrial monitoring. Main features include small size, low power consumption, transmission distance, anti-interference ability and so on.

LoRaWAN:
LoRaWAN uses LoRa technology to define end-to-end standard specifications to ensure interoperability between devices and gateways from different manufacturers.

2. Appearance

Alarm Flash Light
Speaker
Alarm Flash Light
Network Light
Power Supply Input
Auxiliary Key
Setting Key
Cover
Battery Holder

3. Main Features

- Compatible with LoRaWAN
- 12V DC power supply
- Simple operation and setting
- Four types of alarm sounds and different ways of flashing lights

4.Set up Instruction

4.1 Power on

Connect the 12V DC power supply to the power interface for power supply. When the power is turned on, the network indicator flashes once and a clear sound is heard.

4.2 Join Into Lora Network

To join R602A into LoRa network to communicate with LoRa gateway.
The network operation is as following:
After power-on, R602A will actively request to join the network. When the device is successfully added into the gateway, the network indicator is always on.

4.3 Function Key

(1) Press and hold both function keys for 5 seconds to reset to factory setting. After restoring to factory setting successfully, the green indicator will flashes quickly 10 times.
(2) Press any function key; the green indicator will flash once and it will send a data report.

4.4 Remote Control

Through the App Server, the R602A can be controlled by sound and light alarms, and there are four alarm sounds that can be controlled are as follows:
1. Fire (Fire)
2. Emergency alert (Emergency)
3. Burglar Alarm (Burglar)
4. Doorbell (Doorbell)
According to the received command, it can also be determined whether the alarm flash of the device is blinking, and the alarm flash of the device is divided into two types of flashing modes: running water and light on/off alternately changing.

5. Data Report

The device reports data every hour by default, and the device sends data by default configuration before any configuration is performed.

6. Installation

This product is suspended from an indoor wall after being powered by a DC power supply.

7. Important Maintenance Instruction

Your device is a product of superior design and craftsmanship and should be used with care. The following suggestions will help you use the warranty service effectively.
• Keep the equipment dry. Rain, moisture, and various liquids or moisture may contain minerals that can corrode electronic circuits. In case the device is wet, please dry it completely.
• Do not use or store in dusty or dirty areas. This can damage its detachable parts and electronic components.
• Do not store in excessive heat. High temperatures can shorten the life of electronic devices, destroy batteries, and deform or melt some plastic parts.
• Do not store in a cold place. Otherwise, when the temperature rises to normal temperature, moisture will form inside, which will destroy the board.
• Do not throw, knock or shake the device. Rough handling of equipment can destroy internal circuit boards and delicate structures.
• Do not wash with strong chemicals, detergents or strong detergents.
• Do not apply with paint. Smudges can block debris in detachable parts and affect normal operation.
• Do not throw the battery into a fire to prevent the battery from exploding. Damaged batteries may also explode.
All of the above suggestions apply equally to your device, battery and accessories. If any device is not working properly.
Please take it to the nearest authorized service facility for repair.