

# Wireless Siren R602A Data Sheet

---

Wireless Sensor Network Based on LoRa Technology



**Copyright©Netvox Technology Co., Ltd.**

This document contains proprietary technical information which is the property of NETVOX Technology. It shall be maintained in strict confidence and shall not be disclosed to other parties, in whole or in part, without written permission of NETVOX Technology. The specifications are subject to change without prior notice.

---

# Wireless Siren

---

## Introduction

R602A is a smart wireless alarm that can communicate with other devices through a wireless network. It has a high-decibel speaker and high-brightness LED which can realize sound and light alarms. It adopts SX1276 wireless communication module.

## Main Features

- LoRaWAN™ Class C compatible
- Frequency Hopping Spread Spectrum (FHSS)
- A high-decibel speaker and high-brightness LED, it can be used as a sound and light alarm
- Payload can remotely turn off the sound individually or turn off both lights and sounds
- Third-Party online wireless sensor monitoring and notification system to configure sensors, view data and set alerts via SMS text and email (optional)
- Available third-party platform: Actility/ThingPark, TTN, MyDevices/Cayenne

## Application Scenario

- Smart home
- Shopping mall
- Other

# Wireless Siren

## Technical Specifications

### Electric

Input Power	DC +12V
Working Current (max)	250mA (DC 12V)
Standby Current (max)	30mA (DC 12V)
Alarm Sound Decibel	≥80dB (at three meters)

### Frequency

Frequency Range	863MHz-928MHz 470MHz-510MHz
TX Power	US915 20dbm ; AS923 16dbm ; AU915 20dbm ; CN470 19.15dbm ; EU868 16dbm ; KR920 14dbm ; IN865 20dbm ;
Rx Sensitivity	-136dBm (LoRa, Spreading Factor=12, Bit Rate=293bps ) -121dBm (FSK,Frequency deviation=5kHz, Bit Rate=1.2kbps)
Antenna Type	Build-in antenna
Communication Range	Up to 10km, the actual transmission distance depends on the environment.
Data Transfer Rate	0.3kbps ~ 50kbps(LoRa) 1.2kbps ~ 300kbps(FSK)
Modulation	LoRa/FSK
Available Frequency	EU863-870,US902-928,AU915-928,KR920-923, AS923-1,AS923-2,AS923-3,IN865-867,CN470-510 Configured before shipment

---

**Wireless Siren**

---

**Physical**

Dimension	Ø85mm * 52mm
Environment Temperature	-20°C ~ 55°C
Environment Humidity Range	<90% RH (No condensation)