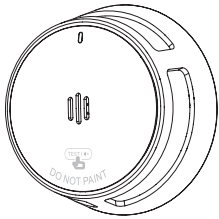


# Wireless Interconnected Smoke Alarm GT10RF

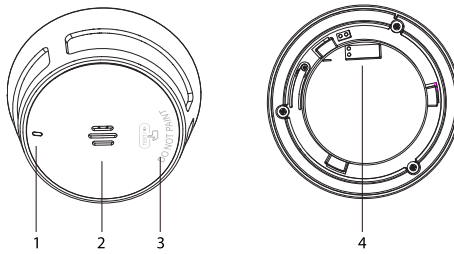
User's Manual



V1.0.0

Warranty will be void if interconnected to any other brand or make of alarm.

## 2.2 Product Profile



No.	Name	Introduction
1	LED Indicator	<ul style="list-style-type: none"> <li>Standby: Green LED flashes once per minute</li> <li>Alarm: Red LED flashes once per second</li> <li>Fault: Red LED flashes twice per minute</li> </ul>
2	Buzzer	Alarm Sound: 85 dB (A) at 3 m (9.84 ft) ISO 7731
3	TEST / * Test/Silence Button	<ul style="list-style-type: none"> <li>Verify normal operation</li> <li>Stop the alarm sound</li> </ul>
4	Battery Compartment	Built-in battery, not replaceable by user

Once you device 1 exits the interconnecting mode, device 2 will follow device 1 and also exit the interconnecting mode and enter the normal standby mode.

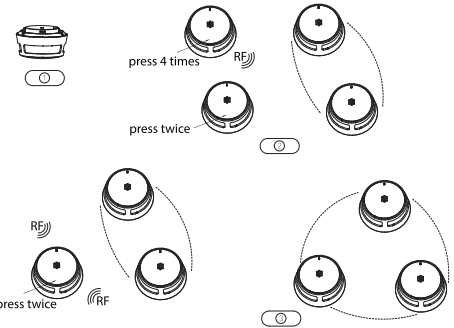
- Step 4 (Optional) Interconnect device 3
- If device 3 is in the interconnecting receiving mode of device 1 within 3 minutes, then press the **Test/Silence** button on device 3 twice to enter the interconnecting transmission mode. If the interconnecting receiving mode exceeds 3 minutes, then press the **Test/Silence** button on either of the two previously interconnected devices 4 times to enter the interconnecting receiving mode, then press the **Test/Silence** button on device 3 twice to join the interconnected network.
  - If device 3 interconnects successfully, the red LED indicator on device 3 will illuminate solid and will emit 1 short quick beep, then the green LED indicator will flash continuously until device 1 exits the interconnecting mode, or you can press the **Test/Silence** button on device 3 to force it to enter the normal standby mode immediately.
- Step 5 If you want to connect additional devices, please repeat Step 4.



Up to 24 wireless smoke alarms can be interconnected this way.

- Step 6 Refer to Chapter 5 Operation, test all wireless interconnected smoke alarms before installation to ensure that they are correctly interconnected.

Figure 4 -1 Interconnect device



## 1 Important Safeguards and Warnings

The manual will help you to use the device properly. Read the manual carefully before using the device, and retain it for future reference.

### Operation Requirements

**WARNING**  
Never ignore any alarm. Failure to respond may lead to serious injury or death.

### CAUTION

- Make sure that the power supply of the device works properly before use.
- Use the device according to the operating environment.
- Only use the device within the rated power range.
- Transport, use and store the device under allowed humidity and temperature conditions.
- Prevent liquids from splashing or dripping on the device. Make sure that there are no objects filled with liquid on top of the device to avoid liquids flowing into it.
- The smoke alarm is designed to detect and indicate the presence of smoke, but it cannot detect gas, heat or flames.

### Installation Requirements

### WARNING

Failure to properly install and operate this device will prevent proper operation of the device and will prevent its response to fire hazards.

### CAUTION

- Observe all safety procedures and wear required protective equipment provided for your use while working at heights.
- Do not expose the device to direct sunlight or heat sources.
- Make sure the application scenario conforms to installation requirements. Contact your local retailer or customer service centre if there is any problem.
- All installation and operations shall conform to your local electrical safety requirements, fire protection regulations, and other relevant regulations.

### Maintenance Requirements

- Do not clean the device with any cleaning products.
- Do not paint the device. Paint will seal the vents and interfere with the sensor's ability to detect smoke.

## 2 Introduction

### 2.1 Product Information

The wireless interconnected smoke alarm (hereinafter referred to as the device) is designed to continuously monitor smoke concentration. Using an advanced split-spectrum photoelectric chamber and a built-in high-volume buzzer, it is sensitive, responds quickly and offers stable performance with few false alarms. Once the surrounding smoke concentration reaches the alarm value, it will promptly send out visual and audible alarm signals to warn the user to take immediate action. With a built-in RF module, the device enables you to wirelessly connect up to 24 smoke alarms, constructing an interlinked network. Once one device triggers an alarm, the alarm signal will be pushed to every smoke alarm in the interconnected network, and they will all trigger an alarm together. This product is designed for residential applications such as family homes, townhouses or apartments, for locations such as living rooms, studies, bedrooms and corridors/hallways.

This device can be interconnected with other GT high Performance alarms that have interconnection capability to construct a hybrid system containing Carbon Monoxide (CO), Heat and Smoke Alarms. A maximum of 24 GT High Performance CO / Heat / Smoke Alarms can be interconnected.

## 3 Technical Information

Specification	Introduction
Sensor Type	Photoelectric
Power Source	3 V CR123A lithium battery (non-replaceable)
Battery Life	10 years
Alarm Method	Visual and audible alarm
Operating Current	<ul style="list-style-type: none"> <li>Monitoring current: ≤ 15 μA</li> <li>Alarm current: ≤ 35 mA</li> </ul>
Operating Temperature	-10 °C to +55 °C (+ 14 °F to + 131 °F)
Operating Humidity	< 95% RH (non-condensing)
Operating Frequency	925 MHz
Detecting Area	When the height of the space is less than 8 m (26.25 ft), the protection area of a device is 20 m <sup>2</sup> -40 m <sup>2</sup>
Dimensions	< Ø81.5 mm x H 51.5 mm (Ø3.21" x H2.03")
Weight (with battery)	110 g (0.24 lb)
Certification	AS 3786:2014 + A1:2015 + A2:2018, RCM, ActivFire®

## 4 Interconnection

### Prerequisite

Make sure all smoke alarms are powered on to ensure a successful interconnection.

### WARNING

Make sure that only 2 smoke alarms are powered on at a time to ensure successful interconnection. Otherwise, the interconnection will fail or device malfunction may occur.

### How to interconnect

- Step 1 Press the **Test/Silence** button on device 1 continuously 4 times (the intervals between each press is less than 1 second), this device emits 1 short quick beep and the red LED indicator flashes continuously (about once every 0.5 seconds), indicating device 1 has entered the interconnecting receiving mode.



To ensure that all smoke alarms enter the same interlinked network, make sure only one smoke alarm enters interconnecting mode at a time.

- Step 2 Press the **Test/Silence** button on device 2 twice (the interval between each press is less than 1 second), this device emits 1 short beep and the red LED indicator starts to flash rapidly (about once every 0.25 seconds), indicating the device 2 has entered the interconnecting transmission mode.

- Step 3 The red LED on device 2 will illuminate and it will emit 1 short quick beep, then the green LED indicator will flash continuously, which means pairing between the two devices has succeeded. The green LED will flash continuously until device 1 quits the interconnecting mode, or you can press the **Test/Silence** button on device 2 to force it to enter the normal standby mode immediately.



Device 1 will be in interconnecting mode for 3 minutes with the red LED flashing twice a second. During this period, you can pair several wireless interconnected smoke alarms one by one. If required, you can manually press the **Test/Silence** button to force device 1 to exit the interconnecting mode, the red LED indicator will illuminate solid for 3 seconds and the green LED indicator will flash once, then device 1 will emit 1 short quick beep, indicating the device has quit the interconnecting mode and entered the normal standby mode.

### How to disconnect

Quickly press the **Test/Silence** button 4 times on the device that needs to unpair with the other smoke alarms, this device will emit 1 short quick beep and the red LED indicator will start to flash continuously, then the green LED indicator will flash once and the buzzer will beep once. You can connect it again to an interlinked network if required.



Please disconnect all wireless interconnected smoke alarms if you intend to use them in another interconnected network.

## 5 Operation

After device installation or regular maintenance, a test must be carried out to confirm that the device is operating correctly. Refer to the "Frequently Asked Questions" and "Maintenance" section if any defects are found during testing, and then retest the device. If the device fails the test again, please return it to the manufacturer.

### 5.1 For a single smoke alarm

#### Test

Press the **Test/Silence** button, the red LED indicator will flash once, then the buzzer will beep 3 times together with the red LED indicator flashing 3 times.

#### Silence/Pause the alarm

When the smoke concentration reaches a predetermined threshold, the LED indicator flashes and the buzzer beeps (85 dB). Press the **Test/Silence** button on the device to temporarily mute the alarm sound, and the device will be in silence mode for 9 minutes. If there is still smoke present, the device will resume alarming after 9 minutes.

### CAUTION

You can silence the alarm with any working infrared remote controller by pressing a button on it, and the device will pause the alarm for 9 minutes and then exit the silence mode.

### 5.2 For interconnected smoke alarms

#### Test

Press and hold the **Test/Silence** button on any interconnected device until other interconnected devices in the network start to beep. The initiating device will beep continuously, and the red LED indicator will flash. After receiving the signal, the connected devices will start beeping and their indicator LEDs will flash red and green alternately. Release the **Test/Silence** button on the initiating interconnected device, it will stop flashing and beeping, the other interconnected devices will exit the test mode after a few seconds.

#### Silence/Pause the alarm

Once the initiating device triggers an alarm and all interconnected devices are in alarm mode with the buzzes beeping and the red alarm LEDs flashing.

- Pressing the **Test/Silence** button on the initiating device will silence all devices.
- Pressing the **Test/Silence** button on any other interconnected device will only silence that device, but the initiating device will keep beeping.

## 6 Device Installation

### 6.1 Packing List

Check the package according to the following checklist. If you find device damage or any loss, contact the supplier service.

Table 6 -1 Checklist

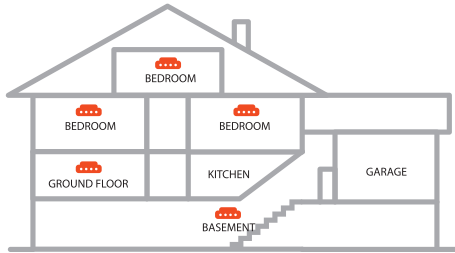
Name	Quantity
Smoke Alarm	1
Self-tapping Screw	2
Wall Plugs	2
Mounting Plate	1
User's Manual	1

### 6.2 Installation Position

#### CAUTION

This device is intended for use in ordinary indoor locations of residential dwellings. Construction and layout of individual dwellings will vary, so this should be regarded as a reference only. For further guidance, please check with your local fire authority.

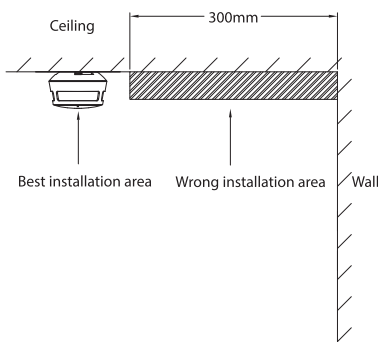
Figure 6 -1 Overall layout



#### Installed on the ceiling.

If the device is installed on the ceiling, install at a distance of 300 mm away from the corners of the room.

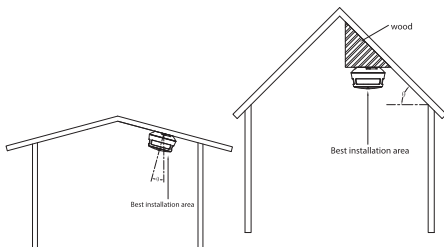
Figure 6 -2 Installation position (1)



#### Installed on the sloping roof.

When the slope is less than 45°, the appropriate distance is 500 mm (20 inches).  
When the slope is more than 45°, a suitable wooden mounting block should be installed.

Figure 6 -3 Installation position (2)



### 6.3 Installation Steps

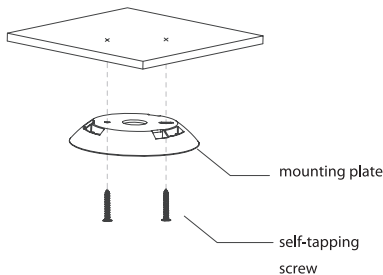
Follow below steps to install the device properly.

Step 1 Choose suitable place to install your smoke alarm.

Step 2 Drill holes (<D6 mm [0.24"] on the ceiling, and then align the screw holes on the ceiling with the expansion bolts.

Step 3 Fix the mounting plate with self-tapping screws.

Figure 6 -4 Installation step (1)



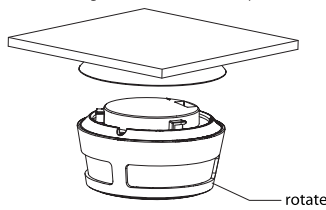
#### Step 4 Install the Device.

Rotate the device according to the corresponding position and direction as shown in the figure.

#### WARNING

The device will automatically power up after rotating. Please lock the alarm firmly to activate the device.

Figure 6 -5 Installation step (2)



## 7 Test and Maintenance

To keep your device in good working condition, please follow these recommended steps:

- **Simulate fire alarm test:** Test the device weekly by pressing the **Test/Silence** button while in normal standby mode. If there is a malfunction, please check and clean device and retest it.
- **Clean the shell:** Clean the device at least once a year. Keep the device free of dust or insects by gently vacuuming the shell with a soft brush attachment when required. Avoid using cleaning solutions on the device to prevent any possibility of contaminating the sensor.
- **Do not paint the device:** Paint will seal the vents and interfere with the sensor's ability to detect smoke.
- **Low battery:** When the battery voltage falls below a certain threshold, the LED indicator flashes and the buzzer beeps every minute until the battery is depleted. Please replace the device immediately or contact technical support for advice.

## 8 Frequently Asked Questions

Problem	Solutions
Your smoke alarm does not sound during testing	<ul style="list-style-type: none"> <li>• If testing immediately after first activating the alarm, you should allow a few seconds for the alarm to settle before testing.</li> <li>• Make sure you push the test button firmly.</li> </ul>
Your smoke alarm chirps intermittently	Clean the smoke alarm (see "Test and Maintenance").
The LED indicator flashes red and the alarm sounds one beep every 60 seconds	<ul style="list-style-type: none"> <li>• The device is under low battery condition, please replace the device immediately.</li> <li>• Please contact technical support for advice.</li> </ul>

## 9 Disposal



Waste electrical products should not be disposed of your other household waste. Please dispose in an environmentally friendly manner, and strictly follow the local regulations regarding the disposal or recycling of the electrical device.



#### WARNING

Do not burn or dispose of in fire.

## 10 Warranty and Contact

If you need after-sales service, please contact your place of purchase, or scan the QR code below.

Australian Importer: Smoke Alarms Australasia Pty Ltd  
Address: Po Box 545 Bulimba Qld 4171



For more information, please scan the QR code or visit <https://www.gtsmokealarms.com.au>

