

ROOMBANKER



PRODUCT CATALOG

Room Security You Can Bank On

Unlock the Possibilities with Easy DIY Integration
Across Multiple Scenes

Roombanker Technology Co., Ltd.

www.roombanker.com

ROOMBANKER

OUR STORY

Professionals Lead, Innovation Drives.

Roombanker was born out of a collective vision shared by a team of professionals with extensive backgrounds and expertise in the security and home automation industry. We are dedicated to crafting business-and-consumer-grade smart security solutions centered around advanced wireless intrusion alarm systems, serving an array of residential and SMB scenarios.

Based on the security alarm solutions, we have extended our business to a multitude of applications such as energy management, environmental monitoring, home automation, asset tracking, health monitoring, and more. All of these applications can be conveniently managed via an one-stop mobile app.



WHY ROOMBANKER?



Experienced Team

PM and R&D teams adept in home security and automation ensure each product benefits from refined skills.



Reliable Product Supply

Robust manufacturing, rigorous quality assurance and certification, and mature supply chain mechanism.



Global Market Insights

With deep understanding of global user needs, we craft solutions that guarantee a superior user experience.



Customization

Build Your Own security system exactly the way you want is our commitment to personalized customer experience.



Embedded Hardware Expertise

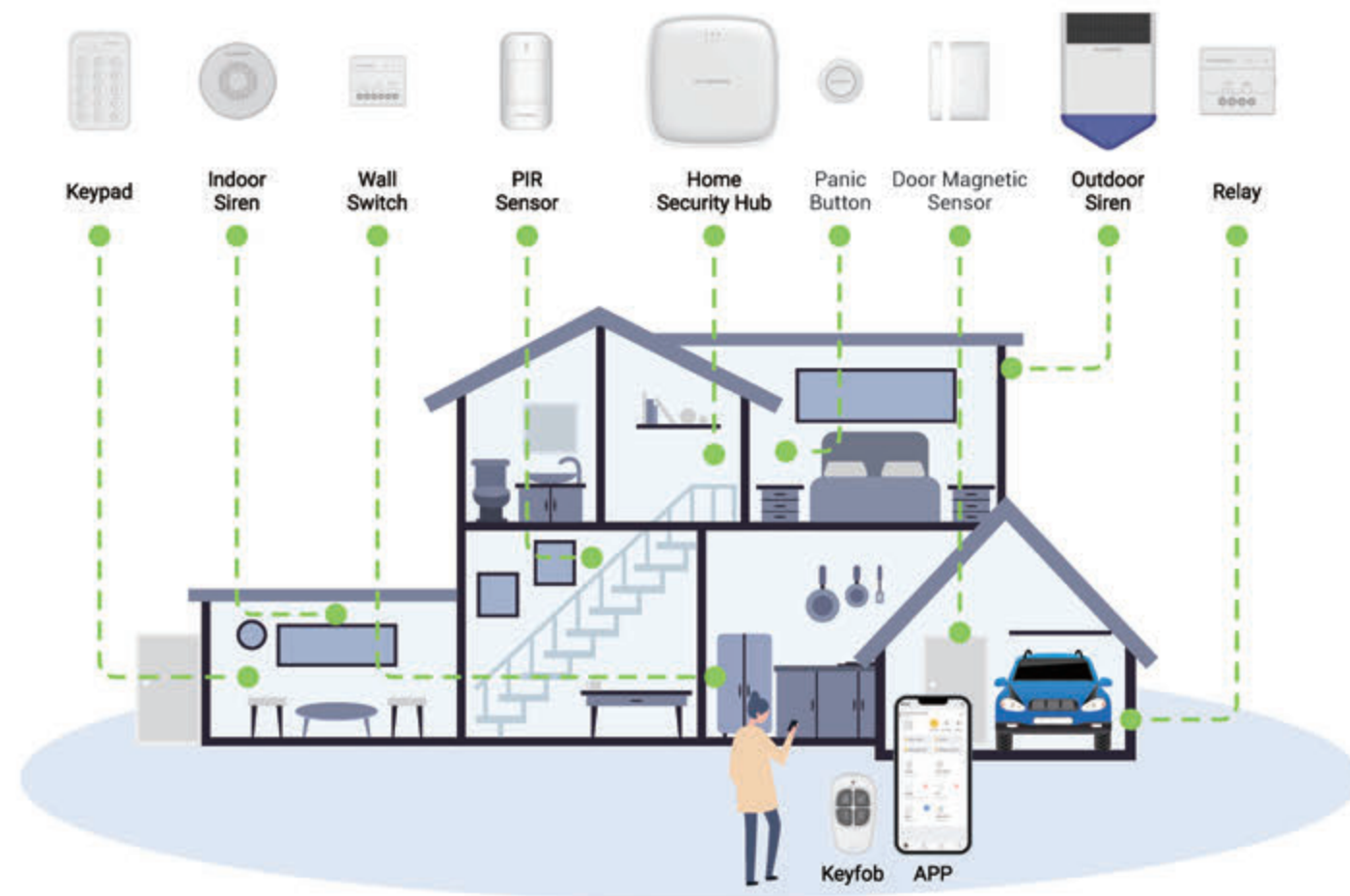
Utilizing Dusun IoT's expertise in embedded hardware design, we make products exceeding industry standards.



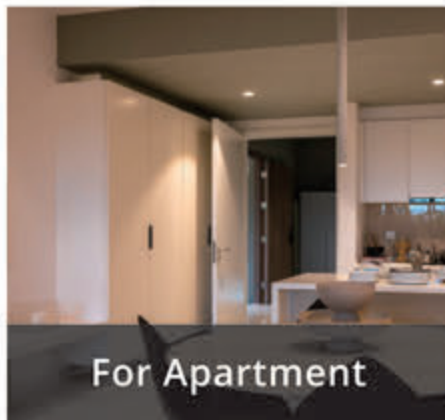
Ease of Use

Our products boast quick installation and simple setup. We make security and automation accessible to everyone, even without expertise.

ROOMBANKER SMART SOLUTIONS



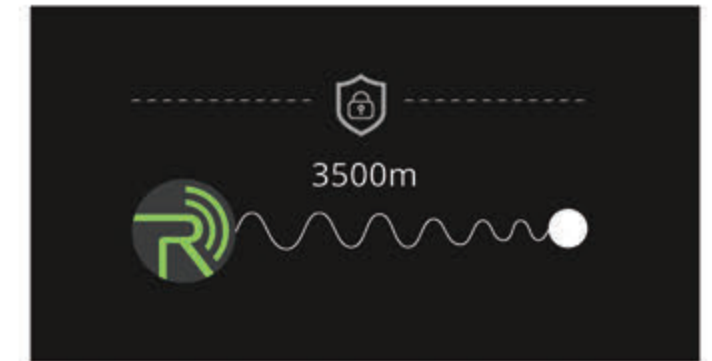
Roombanker Smart Solution takes top-rated, easily-installed intrusion alarm system as the core, integrates smart home and energy management together to build a user-friendly DIY solution, which are suitable for houses, apartments, retail shops, etc.



WHY CHOOSE ROOMBANKER SMART SOLUTIONS

Ultra-long Range , Reliable Transmission

- ◆ Compatible with mainstream Bluetooth and Zigbee protocols, original smart devices in the home can be directly reused.
- ◆ Self-developed RBF protocol extends stable communication distance of up to 3,500 meters, easily cover the 5-story villa space.
- ◆ Multiple technology including FHSS, TDMA, AES-CCM, which are secure and dependable, there's no need to worry about information leakage.



Easy Installation & Easy DIY

- ◆ Beginner-friendly operation guidance, easy to get started.
- ◆ Installation effect testing ensures that you install quickly and correctly, saving your time.
- ◆ Product with wireless design, no need to worry about wiring everywhere.
- ◆ With user-friendly DIY features, you can easily create a unique smart scene.

Reliable Alarm Protection, Day and Night

- ◆ Equipped with a variety of sensors, it offers comprehensive security protection for various areas of your home.
- ◆ High-precision alarm detection, friendly to pets under 10kg, reduce the trouble of false alarms.



More Scene Applications



RB Link

Define your space in your way with one App

RB Link is born to effortlessly manage all your smart devices! It can easily handle smart devices by home security hub. At the same time, you can easily create intrusion alarms, environmental monitoring, smart homes, energy management and other application scenarios.



RB Link app



Multi-mode arming/disarming

RB Link supports multiple arming and disarming modes, including one-click arming and disarming, customized arming, delayed arming, etc.



Manage smart devices with just RB Link

Your home security central hub at a glance and all in the palm of your hand, you can effortlessly manage all your smart devices!



Know your power consumption level in real time and history

RB Link allows you to monitor the real-time power consumption and usage of home devices in real time, providing intuitive displays of daily, weekly, monthly, and yearly power data in chart form.



Instant Alarm and Real-time Notification

Each event alarm message match distinct icons. Once an alarm is triggered, RB Link will promptly receive the information, enabling you to view and address it anytime, anywhere.



User-friendly DIY feature

Create your personalised security and smart home scenarios, you can flexibly customize smart device linkages, crafting an exclusive smart scene.



Multi-faceted approaches to ensure user information security

Enhance user information security with digital passwords, fingerprints and encrypted data transmission. Simultaneously conducting private deployment across multiple global sites, adhering to GDPR and other security compliance requirements.

HUB

Hub is the powerful brain of RoomBanker Security & Automation system, enabling you to connect a variety of sensors and peripherals and then DIY your own security solution in a flexible and easy-to-use way.



Home Security Hub



Introduction :

This device allows for the simultaneous connection and management of peripheral across multiple protocols, ensuring stable communication and control over long distances with high security. It serves as the central hub for a smart home security system.



Easy to configure, just three steps to finish adding



Integration of multi protocols, compatible with hundreds of peripherals



Network and Power backup design, no worries about outage



Encrypted data transmission to protect user information security



Multi-user authority design to simplify mnagement



Ultra-long distance communication, stable coverage of multi-story villas

Model	RBGW-202/B	RBGW-202/A
Cellular	/	1 SIM (4G)
Transmission Technology	RBF/BLE	RBF/BLE
Weight	302g	315g
Battery	2500mAh 18650 battery, Up to 8h power backup	2500mAh 18650 battery, Up to 8h power backup
Peripherals Connected	Up to 64	Up to 128
Firmware Upgrade	OTA via APP	
Users	1 Super Admin+4 Admin+32 App Users+32 Local Users	
Wi-Fi	2.4G, 802.11 b/g/n	
Ethernet	1 x RJ45, 10/100Mbps	
Power Supply	Type-C, 5VDC 2A	
Transmission Method	Two-way wireless (RBF)	
Transmission Frequency	868/915 MHz (RBF)	
Transmission Security	AES-128 Encryption (RBF)	
Operation Temperature	-10°C~+45°C	
Dimension(W x H x D)	150mm x 150mm x 37mm	

Smart Camera

The Roombanker Smart Camera connects via WiFi and spots humans instantly. It sends real-time alerts, lets you chat through the app, and sees clearly even in total darkness with its advanced night vision.



Indoor IPC



Introduction :

This smart camera rotates nearly 360° via the app and flips the video stream easily if installed upside down. With 30-meter human detection, it sends alerts as soon as motion is detected. The auto-tracking feature keeps subjects centered, and sound detection triggers notifications.



Auto tracking



Intelligent motion detection



Motion zone selection



Two-way audio (half duplex)



Night visibility up to 10m



almost 360 degrees of vision

Model	RBVD-IC1-M4	Wireless	2.4GHz Wi-Fi (IEEE802.11b/g/n/ax)
Camera Image Sensor	1/3.0" 4Megapixel CMOS	Mobile Phone OS	iOS 9 or later, Android 5 or later
Camera Resolution	Speed 25Q: 2560(H) x 1440(V)	Pan/Tilt	Pan: 0°~350°, Tilt: 50°~45°
Camera Angle of view(H/V/D)	85°/45°/95°	IR Distance	Up to 10m
Camera Min. Illumination	Color 0.1Lux@F2.0, Black/White 0.01Lux@F2.0	Local storage	SD card (up to 128GB)
Video&Audio Compression	H.265	Operating Temperature	-20 °C to 50 °C
Video&Audio Bit Rate	32Kbps~2Mbps	Power Supply	DC 5V/1A
Video&Audio Frame Rate	1~20fps	Power Consumption	Up to 4.5W
Audio Input/Output	Built-in mic/speaker	Net Weight	188g

Outdoor IPC



Introduction :

This professional smart camera is equipped with a rechargeable lithium battery and supports solar panel charging. It offers intuitive smartphone control and two-way audio for effortless angle adjustment. With intelligent motion detection, it instantly sends push notifications.



Color night vision



Light & sound alarm



Rechargeable batteries



Support powered by solar panel



PIR with AI human-body detection



IP65 weatherproof

Model	RBVD-OC1-M5	Operating Temperature	-10 °C to 50 °C
Camera Image Sensor	1/2.7" 5Megapixel CMOS	Wireless	2.4GHz Wi-Fi (IEEE802.11b/g/n/ax)
Camera Effective Pixels	2592(H) * 1944(V)	Mobile Phone OS	IOS 9 or later, Android 5 or later
Camera Angle of view(H/V/D)	100°/55°/120°	Pan/Tilt	Pan: 0~350°, Tilt: -90°~30°
Camera Min. Illumination	Color 0.1Lux@F2.0,Black/White 0.01Lux@F2.0	IR Distance	Up to 30m
Video&Audio Compression	H.265	PIR Detection Range	Up to 10m
Video&Audio Bit Rate	32Kbps~2Mbps	PIR Angle	120°
Video&Audio Frame Rate	1~25fps	IP Rating	IP65
Audio Input/Output	Built-in mic/speaker	Local storage	SD card (up to 128GB)
Battery Capacity	9600mAh rechargeable Li batteries	Power Supply	DC 5V/1A
Battery Stand-by Time	6 months	Power Consumption	Up to 4.0W
Battery Working Time	1-3 months (varies based on settings, usage & temperature)	Net Weight	730g

SMART SENSOR

Roombanker's smart sensors are meticulously designed to detect even the subtlest changes continuously, quickly adjust or trigger alarms to ensure the safety and comfort of your living space.



Indoor PIR Sensor



Introduction :

The PIR motion sensor remains highly vigilant when it's working. In the armed state, if someone enters your spaces, it immediately notify the owner and triggers the preset protection mechanism, ensuring a swift response to potential threats.

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Ultra-low false alarm by applying advanced detection technologies
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Pet immunity under 10kg animals
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Ultra-low power consumption, ultra-long battery life
- 

Ultra-long distance and stable wireless communication

Model	RBSS-PS1
Detection Method	Passive Infrared
Detection Performance	12m, 110°
Pet Immunity	10kg
White Light Filter	2000lux
Advanced Features	Digital Processing, Digital Temperature Compensation, Signal Strength Detection, Find me, Dynamic Threshold
Tamper Protection	Rear
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	3100m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	CR123A × 1, Up to 5 years (standby mode)
Dimension (WxHxD)	114.7mm × 61.2mm × 43.8mm
Weight	102g
Mounting Height	1.8 m to 2.4 m
Application Scenario	Indoor



Outdoor PIR Sensor (IR+MW)



Introduction :

Roombanker outdoor Dual-Technology detector designed to provide high-stability intrusion detection for perimeter security. By combining multiple sensing methods, it effectively minimizes false alarms caused by environmental factors in complex outdoor settings. This makes it a robust solution for ensuring reliable surveillance in varying weather conditions.



Digital temperature compensation



Pet immunity 35kg



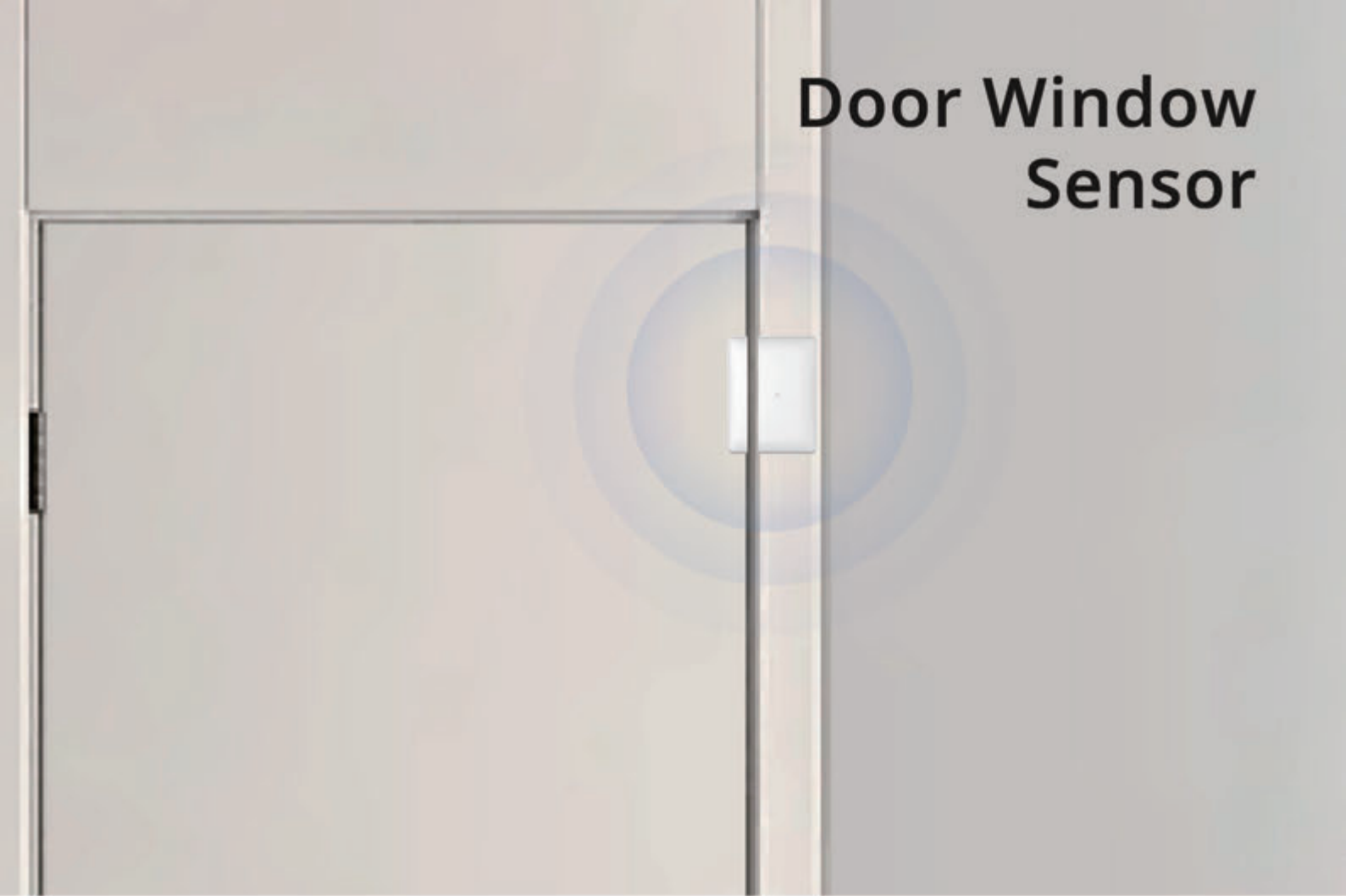
3-level sensitivity setting



Two-way FSK communication

Model	RBSS-PS2
Detection Method	Passive infrared, Microwave
Detection Performance	16m, 90°
Pet Immunity	35kg
IP Rating	IP54
Advanced Features	Digital Processing, Digital Temperature Compensation, Signal Strength Detection, Find me, Dynamic Threshold
Tamper Protection	Rear
Transmission Technology	RBFS Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	3100m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	CR123A × 2, Up to 5 years (standby mode)
Dimension (WxHxD)	153mm × 80mm × 58mm
Weight	286g
Mounting Height	1.8 m to 2.2 m
Application Scenario	Outdoor

Door Window Sensor



Introduction :

The door magnetic sensor features a split structure design, allowing for separate installation on doors and windows. In the armed state, when an unauthorized or unexpected entry is detected, the sensor will immediately trigger an alarm, providing a swift response to potential security breaches.



0.1 second fast response from triggering



24/7 real-time monitoring opening and closing status



Ultra-low power consumption, ultra-long battery life



Ultra-long distance and stable wireless communication

Model	RBSS-MC1
Detection Method	Opening Contact
Detection Gap	>17mm
Advanced Features	Digital Processing, Signal Strength detection, Find me
Tamper Protection	Rear
Transmission Technology	RF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Standard Battery Life	AA Battery× 1, Up to 5.5 years (standby mode)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	82mm x 42mm x 16mm(Body) 82mm x 11mm x 18mm(Magnet)
Weight	55.6g
Application Scenario	Indoor
Installation Method	Adhesive

Temperature Humidity Monitor



Introduction :

Temperature and humidity monitor is mainly used to monitor and provide accurate temperature and humidity information. It can then transmit these data to the hub to automatically adjust the indoor environment. With the wireless and lightweight design, ensuring convenience and versatility.



Accurate detection of temperature and humidity changes



Freely switch between Fahrenheit/Celsius



Ultra-low power consumption, ultra-long battery life



Ultra-long distance and stable wireless communication

Model	RBSS-TH1
Advanced Features	Digital Processing, Signal Strength detection, Find me
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	AA Battery× 3, Up to 5 years (standby mode)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	64mm×64mm×28mm
Weight	68.5g
Application Scenario	Indoor

Water Leak Detector



Introduction :

Our water leak detector adopts advanced wireless communication technology, boasting a compact and lightweight design. It can be easily placed in any areas susceptible to water leakage. In case of a water leak, the detector promptly detects the issue and triggers an alarm, ensuring your household safety.

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IP66 Waterproof
- 

Multi-point leak detection design
- 

Ultra-low power consumption, ultra-long battery life
- 

Ultra-long distance and stable wireless communication

Model	RBSS-WL1
Advanced Features	Digital Processing, Signal Strength detection, Find me
LED Indicator	1
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1600m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	CR2032 × 1, Up to 2.2 years (standby mode)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension (WxHxD)	64.5mm x 64.5mm x 20mm
IP rate	IP66

CONTROL DEVICE

When smart control devices are integrated with a home security hub, it becomes easy to centrally manage and control all smart devices within the home.

Duress silent alarm



Customized arming



Arming/Disarming



Keyfob



Introduction :

The keyfob for security system is a compact and portable remote control device that offers easy carrying and quick access to arming and disarming functions. Additionally, it is able to integrate desired functionalities to suit your specific needs and preferences.



Compact design with a keychain, easy to carry with



LED feedback on operation



Custom function buttons



Ultra-long distance and stable wireless communication

Model	RBCT-KF1
Basic Features	Arm, Disarm, Custom button
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Distance(Open Space)	1200m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	CR2032 × 1, Up to 5 years (standby mode)
Operation Temperature	-10 °C to +55 °C (14 °F to 131 °F)
Dimension (WxHxD)	59mm x 34mm x 12mm
Weight	14.6g

Keypad



Introduction :

The alarm keypad embodies Roombanker typical product design style: sleek and minimalist appearance, adding a touch of elegance to your smart spaces. With one-key arming button and secure PIN code disarming functionality, as well as customizable options, it serves as the perfect choice for smart space security and automation systems.



Quick arming without PIN code



Supports medical, fire and emergency one-click alarms



Custom function button



LED and Sound feedback on operation



LED brightness auto-adjust by sunlight, to reduce power consumption



Ultra-long distance and stable wireless communication

Model	RBCT-KP1
Advanced Features	Signal Strength Detection, Find me
Tamper Protection	Rear
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Battery Type	Four AAA batteries, Up to 5 years (standby mode)
Operation Temperature	-10 °C to +55 °C (14 °F to 131 °F)
Installation Method	Screw /Adhesive
Dimension (WxHxD)	140mm x 86mm x 22 mm
Weight	170g

Panic Button



Introduction :

Our panic alarm button is a real-time wireless device that you can easily position it anywhere within your surroundings. Whenever you press the button, it will promptly trigger the alarm system, providing you with a reliable response in times of need.

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24/7 security protection
- 

Installable and portable Design
- 

Ultra-low power consumption, ultra-long battery life
- 

Ultra-long distance and stable wireless communication

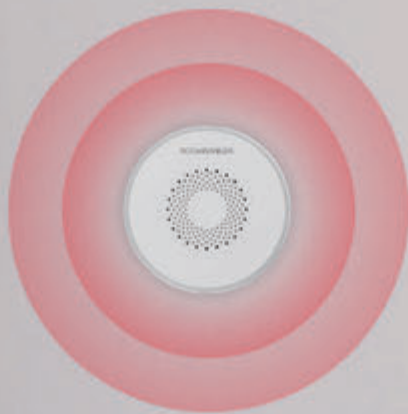
Model	RBSS-EB1
Advanced Features	Signal Strength detection, Find me
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1500m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Standard Battery Life	CR2032 x 1, Up to 3 years (standby mode)
Operation Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Dimension(WxHxD)	Φ50mm x 16mm
Weight	19.8g
Application Scenario	Indoor

ALARM SIREN

Roombanker's alarm sirens feature built-in LED indicators and powerful buzzers. In the event of an alarm situation, the siren activates immediately, combining flashing lights with high-decibel sounds to effectively warn of potential dangers.



Indoor Siren



Introduction :

The indoor siren features built-in LED indicators and a powerful buzzer, designed for easy installation indoors. When detectors or sensors in the same spaces are triggered, the siren alarm immediately activates to alert of potential danger. This combined visual and audible alarm system ensures swift notification.

- 

Obvious alarm prompts through sound and light
- 

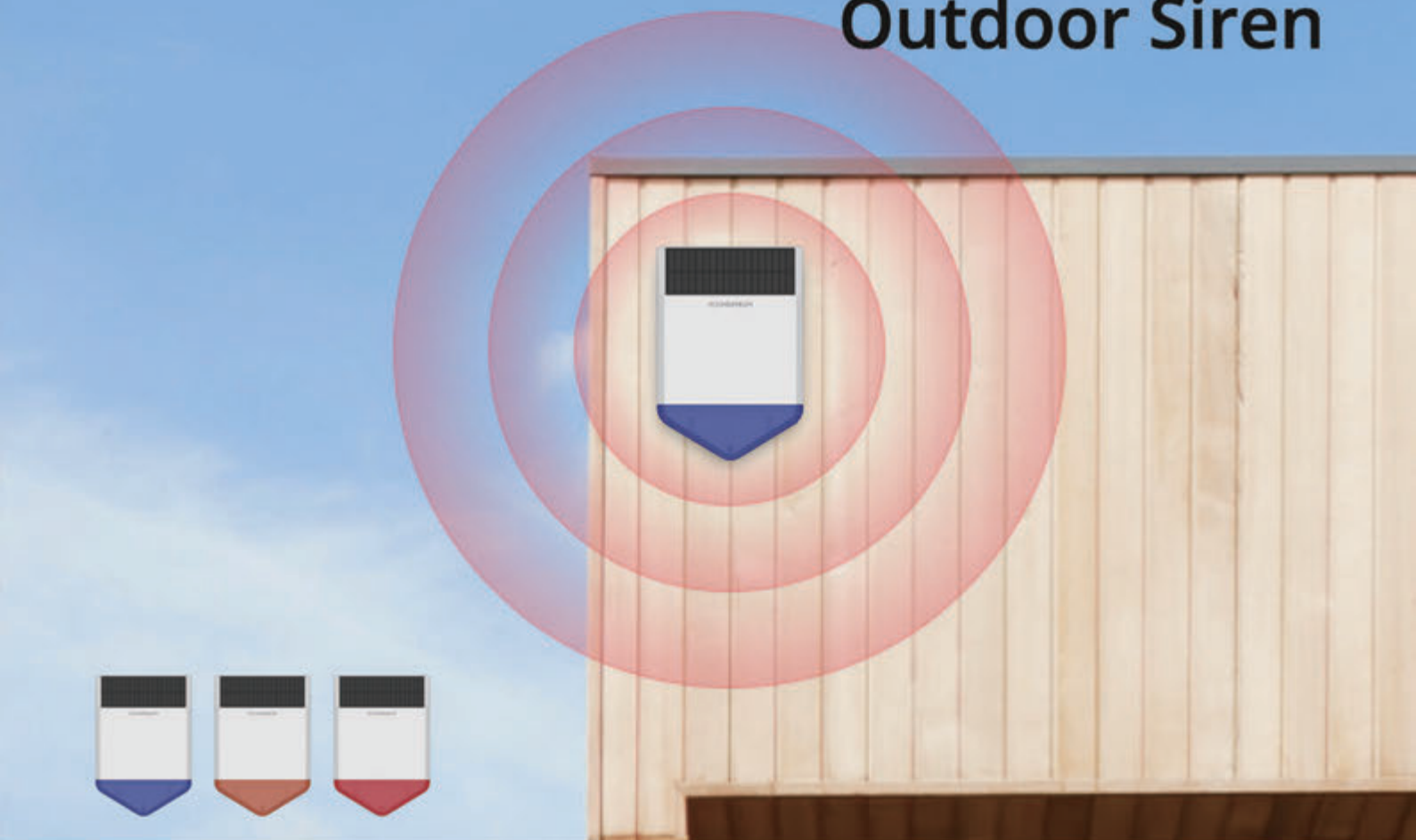
Medical/Fire/Intrusion/Emergency, four alarms sound types for quick identify
- 

0.5 second fast response from triggering
- 

Ultra-long distance and stable wireless communication

Model	RBAD-SI1
Alarm Buzzer	85dB/95dB/105dB
Advanced Features	Signal Strength detection, Find me
Tamper Protection	Rear
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	3.7V Lithium battery with external power plug
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	Φ80×34mm
Weight	90g
Application Scenario	Indoor

Outdoor Siren



Introduction :

The outdoor siren features built-in LED indicators and a powerful buzzer, designed for deterring unwanted intruders with its loud alarm and eye-catching visual alerts. When the detectors or sensors in the vicinity are triggered, the outdoor siren alarm instantaneously activates, promptly alerting you to potential danger.



Solar charging, worry-free battery life



Obvious alarm prompts through sound and light



Medical/Fire/Intrusion/Emergency, four alarms sound types for quick identify



Ultra-long distance and stable wireless communication



Dustproof and waterproof



Three LED colors selectable

Model	RBAD-S01
Alarm Buzzer	85dB/95dB/105dB
Advanced Features	Signal Strength detection, Find me
Tamper Protection	Rear
LED Indicator	3
Transmission Technology	RF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	3100m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	1700mAh Lithium battery with Solar charging, Battery Life Up to 4.2 years (standby mode)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	290mm x 200mm x 58mm
Weight	645.5g
IP rate	IP65
Installation Method	Wall mounting
Application Scenario	Outdoor

AUTOMATION DEVICE

The automation devices transform your traditional appliances into smart ones. By integrating these devices into the existing home wiring and making simple modifications, you can swiftly achieve multiple functions, including intelligent electric and temperature control.



Smart Plug



Introduction :

The smart plug can transform ordinary household appliances into intelligent devices in just a few seconds of setup. It allows you to effortlessly manage the on/off schedules of your devices. Additionally, you can benefit from its electricity monitoring and reminder functionality, tracking and optimizing your energy usage.



Real-time power consumption monitoring



Overload protection, to enhance safety



Child lock protection



Multiple control methods
(by App, by schedule, by manual)

Model	RBAD-PL1 (UK)
Power Supply	230V AC, 50/60Hz, Max 13A, Max 3250W
Dimension (WxHxD)	58mm × 50mm × 52.8 mm
Weight	74g
Transmission Frequency	868/915 MHz
Transmission Distance(Open Space)	1900m
Transmission Technology	RBF Wireless Transmission
Scene Setting	Scenes can be created through the APP
Power Switch Button	Plug on/off control
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Operation Temperature	-10 °C to +55 °C (14 °F to 131 °F)

Wall Switch



Introduction :

With a simple modification and connection to the original circuit, the wall switch help you unlock a world of convenience and functionality. With such a compact device, you can quickly achieve intelligent control over your home appliances, remote operation, power monitoring, and circuit protection.

- 

Real-time power consumption monitoring
- 

Overload protection, to enhance safety
- 

Multiple control methods
(by App , by schedule, by manual)
- 

0.5 second fast respond from triggering
- 

Extra ports reserved for external
on/off switch connection
- 

Compact and Exquisite Design

Model	RBAD-WS1
Scene Setting	Scenes can be created through the APP
Power Switch Button	Power on/off control
Advanced Features	Signal Strength detection, Find me
LEDs Status	3, register/signal (orange/green/red), power (green), relay status (blue)
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	AC 110V/230V, 50/60Hz
Relay Output	1, NO/NC (110V/230V AC, Max 13A)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	40mm×35mm×20mm
Weight	29.3g



Relay



Introduction :

With a smart relay, there is no need to replace the existing low-voltage devices in your spaces. By connecting them to the smart relay and making a simple modification, you can quickly achieve intelligent control and embark on a smart lifestyle.



Wide voltage power supply



Compact and Exquisite Design



Multiple control methods
(by App , by schedule, by manual)



0.5 second fast respond from triggering

Model	RBAD-RL1
Scene Setting	Scenes can be created through the APP
Power Switch Button	Power on/off control
Advanced Features	Signal Strength detection, Find me
LEDs Status	3, register/signal (orange/green/red), power (green), relay status (blue)
Transmission Technology	RBF Wireless Transmission
Transmission Frequency	868/915 MHz
Transmission Range(Open Space)	1900m
Advanced Tech	AES-128 Encryption, FHSS, TDMA
Power Supply	DC 7V to 24V
Relay Output	1, NO/NC (0 to 36V DC, Max 5A)
Operation Temperature	-10°C to 55°C (14 °F to 131 °F)
Dimension(WxHxD)	40mm×35mm×20mm
Weight	25.7g



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