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4202000906 V1.1

Wireless Welcome Doorbell

Motion Sensor Alarm / Chime / Alert

SF20R (Receiver) WLS10 (Infrared Curtain)

Instructions

● Shop Keeper in day time, anti-theft in the night, welcome / doorbell alarm / color lights / lighting 5in1 multi-function.

● Remote transmission range up to 260M / 916ft in the open space.

● 8 channel music chip, 40mm big horn, 36 chime melodies, remember your last set melody and volume level once powered off.

● Colorful LED lights, adjustable brightness, distinguish multiple entrances by different colors.

● 4 stages adjustable volume (Low/High/Mid/Low) from 113-25dB.

● Receiver can learn from up to 32 wireless sensors like PIR motion, magnetic or vibration sensor as well as up to 8 remote controllers.

260 meters



Application: shops, Commercial Complex, Luxury hotels, offices, factories, homes, villas, driveways, walking paths , Supermarkets, restaurants etc.

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Five Functions

8-ch chip

LED color light

Color light adjustable

280 melody

113dB alarm

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body. Use only the supplied antenna.

FCC ID: A5W545-SF20R

1. Description of Structure

1.1 Infrared Curtain (Transmitter)

LED Light Indicator

Infrared Motion Sensor

360° rotating adjustable holder

Micro USB Power Interface

ON/OFF Switch key

Vertical 15°

Horizontal 100°

Sensor angle: Horizontal 100°, Vertical 15°

Sensor range: 2 ~ 8M (varies from occasions)

1.2 Receiver

Careful LED Flashing Indicator

Speaker

Alarm Horn

Wall / Hanging Free

Battery Cover

Desktop Base

Select Single key

Volume key (brightness key in lighting mode)

ON/OFF @ Switch key

Micro USB Power Interface

1.3 Remote controller (optional)

Turn on / mode switch key

Select songs key

Volume key (brightness key in lighting mode)

360° rotating adjustable

180° rotating adjustable (revelation of infrared curtain)

2. Function Description

2.1 Batteries and Power

2.1.1 3*AAA alkaline battery for PIR Transmitter, 3*AA alkaline battery for Receiver, please note the negative and positive.

2.1.2 You will hear short "Du" and see LED colorful lights flashing after loading the batteries for receiver. Load the batteries, turn on the transmitter, the LED indicator will be on for 5 seconds.

2.1.3 Alkaline batteries are recommended, other types will shorten standby time and lower the alarm volume. Micro USB is alternative for power supply; battery supply will be automatically cut off if AC power and can be standby power supply if power off.

2.2 Installation

2.2.1 Install the transmitter in the ceiling or aisle of the entrance where customers and intruder go back and forth. Installation by screws will be more firm than double-sided tap which requires tidy and smooth surface.

* The transmitter detects the infrared signal range released from body surface temperature of 34℃, please take the 1.3 (Figure 4) for installation adjustment reference.

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** The transmitter is used for indoor only, please do not keep it exposed to the sun and rain. Had better not install it in the areas of air-conditional, fan which change the environment temperature.

2.2.2 Place the receiver with the desktop base on the desk, or fix it on the wall with the screws.

2.2.3 After installation, press the receiver ON/OFF button to enter into welcome reminder mode, test the wireless transmission distance, adjust angle of the transmitter. Try to ensure that the people come in from different position can be detected by repeating tests.

2.3 Operational Description:

2.3.1 The transmitter and receiver have been programmed in factory.

Figure 5

ON/OFF: Press [] to turn ON / OFF

5 modes in cyclic shift: Press [M] to select:

Welcome → Doorbell → Alarm

Color Light → Lighting

2.3.2 5 Modes with 5 functions :

	Welcome	Doorbell	Alarm	Color light	Lighting
Press/M button to switch categories shown in the right table	Play Welcome song, Color lights flashing	Play current song, Color lights flashing	DOGG 3 times, Red light	No sound, Color lights flashing	No sound, LED lights are on for 2 seconds
[J] Selection songs key	Cyclic 5 welcome songs for option	Cyclic 36 welcome songs alternative	Option for Alarm	No function	No function
[M] Volume key	4 levels adjustable volume	4 levels adjustable volume	4 levels adjustable volume	4 levels adjustable lightness	4 levels adjustable lightness
Ringtones and lights when transmitter is triggered	"DingDong" selected Welcome song	Selected song	Alarm for 30 seconds	—	white light will be on for 2 minutes
Operation when transmitter is triggered	If you want to stop and shut down, please press the receiver on/off button or remote control off button. If you want to stop and return to the previous state, please press other keys (but no effect when the alarm sounds).				

2.4 Program accessories (infrared curtain, magnet sensor, vibration sensor etc.) or remote control If add vibration, infrared, magnetic detector, or remote control, do the program.

Note: Each color can be programmed with 8 wireless sensors, in total 32 by 4 colors. There is no any relation between remote control and colors. Up to 8 remote control can be programmed, if over certain amount, the latter will cover the former.

Figure 6

Press [] key to turn off the receiver,

long press the [M] key for 3 seconds, enter into learning mode, release the [M] key, program starts.

Press [J] key to switch area by colors: light, red, green, blue. Then test it by infrared curtain.

Once do as above, LED indicator on receiver will flash once with a "du", then the program succeeds. The receiver will back to OFF mode. It can be programmed only one accessory at one time.

Waving hand in front of the curtain

Separate magnetic sensor from magnetic sticker

Press any key on the remote

2.5 Delete all accessories: please be caution with this operation!

Figure 7

Press [] key to turn off the receiver

long press the [M] key of the receiver for 10 seconds, it will be "du du du" and LED flashes in red color for three times, all parts which are paired will be removed.

3. Low Battery Indication

3.1 Infrared curtain: It is in low battery if LED flashes once every 3 seconds. Please replace the battery in time.

3.2 Receiver: If you hear the low battery indication sound when it is in application, please replace the battery in time, or all functions cannot be realized.

3.3 LED indicator gets darker or wireless range gets shorter, please replace the battery in time.

4. Parameters

4.1 Power Supply: 3* AA alkaline battery for Receiver or Micro USB

4.2 Battery Lifespan: 5-Months (based on 30 times per day)

4.3 Working Frequency: 433.92 MHz

4.4 Working Temperature: Receiver: -10℃ ~ +60℃ Infrared curtain: 10℃ ~ +33℃

4.5 Operating Humidity: < 80%

4.6 Storage Temperature: -20℃ ~ +70℃

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