Front

Back

Wireless Welcome Doorbell
Model:KS-SF20R-WLS10
SF20R (Receiver)
WLS10 (infrared curtain)
Instructions

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 this 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.
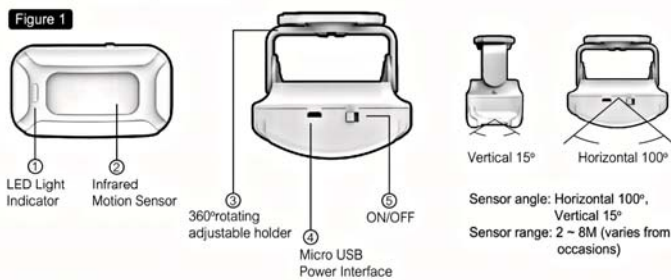
FCC ID: 2ANPS-KSSF20R

(5) Five functions	8 chord chip	USB Double power supply	Color light subarea	280 meters	113dB alarm

Features

- Shop Keeper in day time, anti-thief in the night, welcome /doorbell /alarm / color lights/ lighting 5in1 multi-function.
- Remote transmission range up to 280M/918ft in the open space.
- 8 chord 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 (Loud/High/Middle/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.
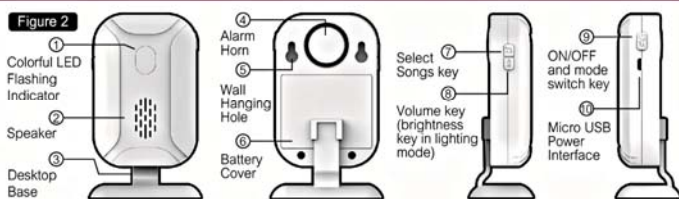
280 meters

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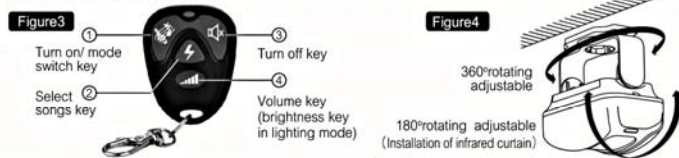
1. Description of Structure

1.1 Infrared Curtain (Transmitter)

Figure 1

① LED Light Indicator
② Infrared Motion Sensor
③ 360°rotating adjustable holder
④ Micro USB Power Interface
⑤ ON/OFF

Vertical 15°   Horizontal 100°

Sensor angle: Horizontal 100°, Vertical 15°
Sensor range: 2 ~ 8M (varies from occasions)

1.2 Receiver

Figure 2

① Colorful LED Flashing Indicator
② Speaker
③ Desktop Base
④ Alarm Horn
⑤ Wall Hanging Hole
⑥ Battery Cover
⑦ Select Songs key
⑧ Volume key (brightness key in lighting mode)
⑨ ON/OFF and mode switch key
⑩ Micro USB Power Interface

1.3 Remote controller (optional)

Figure3

① Turn on/ mode switch key
② Select songs key
③ Turn off key
④ Volume key (brightness key in lighting mode)

Figure4

360°rotating adjustable
180°rotating adjustable
(Installation of infrared curtain)

2. Function Description

2.1 Batteries and Power
2.1.1 3*AAA alkaline batteries for PIR Transmitter, 3* AA 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 blue 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.
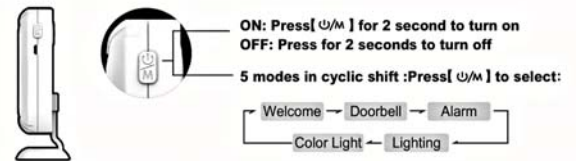
2.2 Installation
2.2.1 Install the transmitter in the ceiling or aisle of the entrance where customers and intruder go back and forth. Installation by screws will be more firm than double-sided tap which requires tidy and smooth surface.
  * The transmitter detects the infrared signal range released from the human temperature of 37℃, please take the 1.4(Figure 4) for installation adjustment reference.
  * 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.
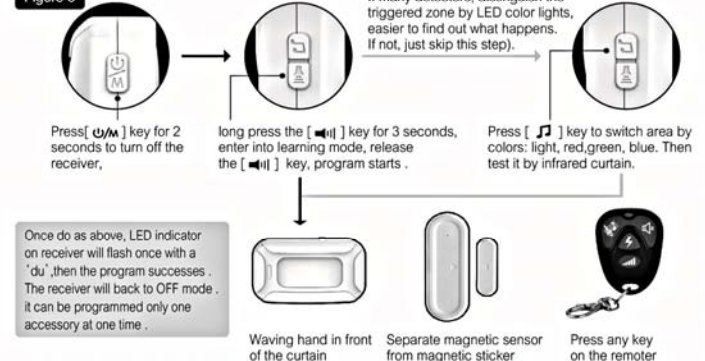
Figure 5

ON: Press【 ⏻/M 】for 2 second to turn on
OFF: Press for 2 seconds to turn off

5 modes in cyclic shift :Press【 ⏻/M 】to select:

Welcome → Doorbell → Alarm → Lighting → Color Light →

2.3.2 5 Modes with 5 functions :

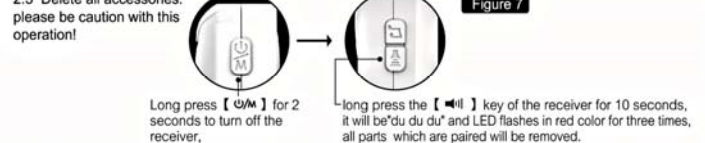|	Welcome	Doorbell	Alarm	Color light	Lighting
Model reminder	Play Welcome song, Color lights flashing	Play current song, Color lights flashing	DiDiDi 3 times, Red light	No sound Color lights flashing	No sound , LED lights are on for 2 seconds
Sound effect if triggering the transmitter	"DingDong" +selected Welcome song	Selected song	Alarm for 30 seconds; or super loud single tone	——	——
Light effect if triggering transmitter	LED lights colors vary depending on the programmed areas				white light will be on for 2 minutes
【♫】Selection songs key	Cyclic 5 welcome songs for option	Cyclic 36 welcome songs alternative	Option for ˋAlarmˊ or ˋsuper loud single toneˊ	No function	
【◄◼】Volume key	4 levels volume			4 levels brightness	
Instruction of remote control	4 buttons on remote control ,short press Turn- Off button to turn off the receiver				
Disarm and mute interrupt function	Disarm function: If in Alarm Mode, it will alarm for 30 seconds, press the receiver power button, or short press remoter turn-off button to disarm or switch off. Mute interrupt function: when triggering the alarm in Doorbell Mode and Lighting Mode, it will play songs or LED lights will be lighting, short press any key (except turn-off button on remote control) can end the corresponding mode.				

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

If many detectors, distinguish the triggered zone by LED color lights, easier to find out what happens. If not, just skip this step).

Press【 ⏻/M 】key for 2 seconds to turn off the receiver,

long press the 【◄◼】key for 3 seconds, enter into learning mode, release the 【◄◼】key, program starts .

Press 【♫】 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 ˋduˊ,then the program successes . 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 remoter

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

Figure 7

Long press 【 ⏻/M 】 for 2 seconds to turn off the receiver,

long press the 【◄◼】 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*AAA alkaline for PIR Transmitter or Micro USB
   3* AA for Receiver or Micro USB
4.2 Battery Lifespan: 5-7months (based on 30 times per day)
4.3 Working Frequency: 433.92 MHz
4.4 Working Temperature: -10℃ ~ 60 ℃
4.5 Operating Humidity: < 80%
4.6 Storage Temperature: -20 ℃ - + 70 ℃