

smanos®

Dream Big. Live Smart.



K1 SMARTHOME DIY KIT

USER MANUAL

Contents

1. Things to Note before Getting Started	1
2. How the K1 System Works	2
3. Included in Your K1 Smart Home System	5
4. Device Overview	5
5. Download the "smanos home" App	8
6. Add the K1 System to the "smanos home" App	9
7. Set Up Your K1 Smart Hub	9
8. K1 Smart Hub Light Indicator Color Meaning	12
9. App Operation	14
9.1 K1 Main Page	15
9.2 Accessories Page	16
9.3 Customize Your Own Accessories	18
9.4 Setting Page	20
10. Installation	27
11. Specifications	29

Things to Note before Getting Started

Thank you for choosing smanos to help you take control of your home. The smanos family of Home Alarm Systems is designed to be self-monitored and help you become more active in securing your home without a high investment. We aim to provide a safe, easy & cost effective solution for you to protect your home & loved ones 24/7/365.

This system is an auxiliary system, it is not designed to provide complete protection from property loss. smanos will not be held responsible in the event that property loss occurs while this system is in operation.

High-speed WiFi Internet Connection

One critical factor that can affect the performance of your device is the position between your home WiFi router and the K1 Hub. Set up your K1 Hub in an open space (DO NOT place it directly on the floor); the closer the K1 Hub is to the router, the stronger the WiFi signal will be.

Please be sure to connect your K1 Hub to WiFi using the 2.4GHz spectrum as this is a larger spectrum and the K1 Hub does not support the 5GHz option which has been found to be the most common mistake when setting up the K1 for the first time.

SSID and Password

- Check your WiFi network name and the password. The WiFi network name is normally referred to as the SSID. The password or security ID is normally the next line or two down from the WiFi/SSID network name. These can be easily found on your WiFi router if you did not change them when you first installed the WiFi router, for example:

- WiFi/SSID Network Name: XXXX

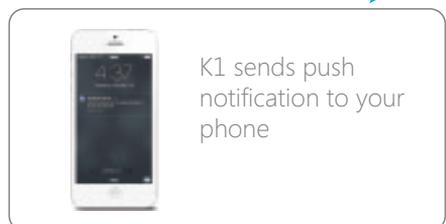
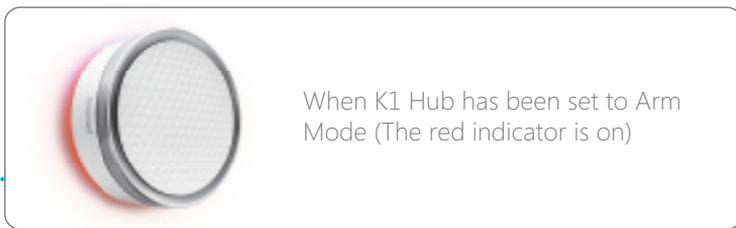
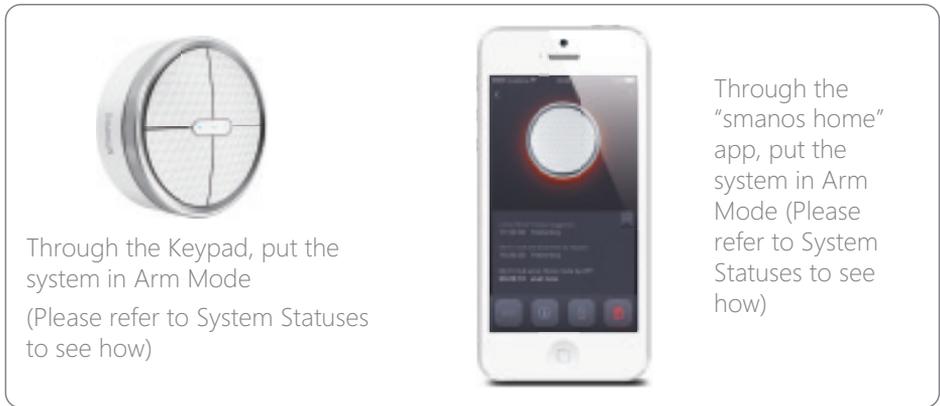
WiFi/SSID Network Password/Security Key: XXXXXXXXXXXXXXXX

Operating System Requirements

- iOS 8.0 or above with iPhone 5 or above;

- Android 5.0 or above

How the K1 System Works



Included in Your K1 Smart Home System



K1 Smart Hub x 1

- The heart of the system that receives, processes and sends signals from & to the wireless sensors.



MD-20 Pet Friendly Motion Sensor x 1

- A sensor that detects suspicious motion while ignoring motion from your furry little ones under 50 lbs / 23 kg.



SS-20 Indoor Siren x 1

- The siren will go off on-site, with a loud 90dB siren sound, to deter any would-be intruder after a sensor has been triggered.



KP-20 Security Keypad x 1

- A device with 4 non-numeric keys (password customizable directly on the app) that can be used to control the entire system.

The accessories in this kit are already paired with your K1 Smart Hub.



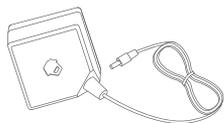
DS-20 Door/Window Sensor x 2

- A sensor that detects the open/close status of a door or window being protected.

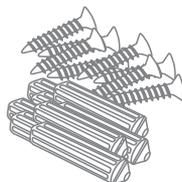


Mounting Base x 4

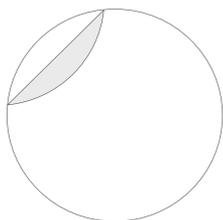
- Wall-mount bases for the K1 Hub and wireless accessories (with corresponding model numbers on them.)



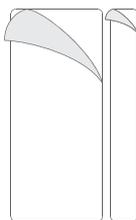
K1 Hub Power Adapter



Screw set for the Hub/Motion/Siren/Keypad (optional – double sided tape can also be used & is included)



Double Sided Tape for the Hub/Motion/Siren/Keypad



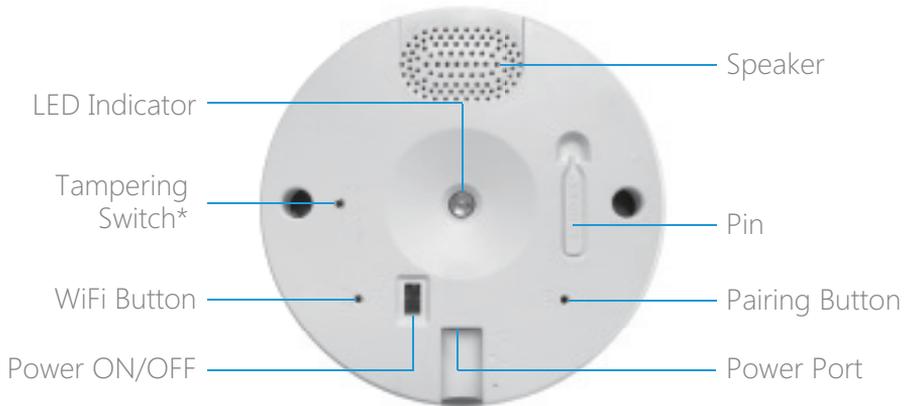
Double Sided Tape for the Door/Window Sensor



Corner Mounting Bracket for the Motion Sensor

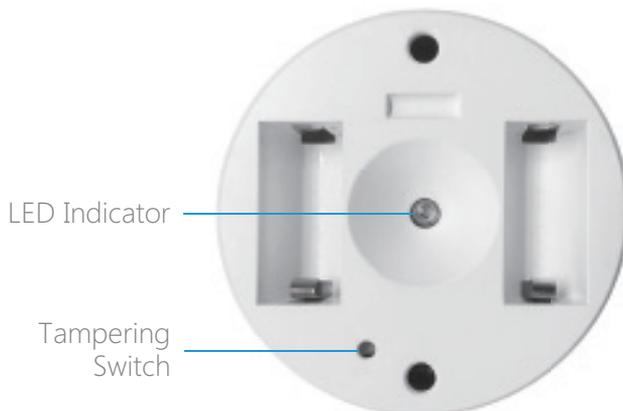
Devices Overview

K1 Hub Rear View



* Anti-tampering protection ensures that any attempts to move the device results in an alarm and push notification.

MD-20 Motion Sensor Rear View



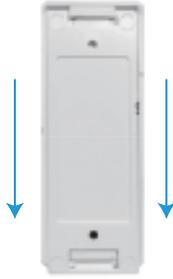
DS-20 Door/Window Sensor Overview

Front View



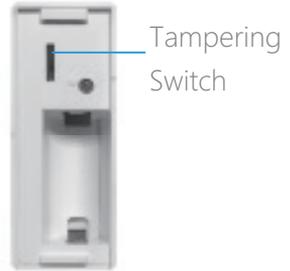
LED Indicator

Rear View



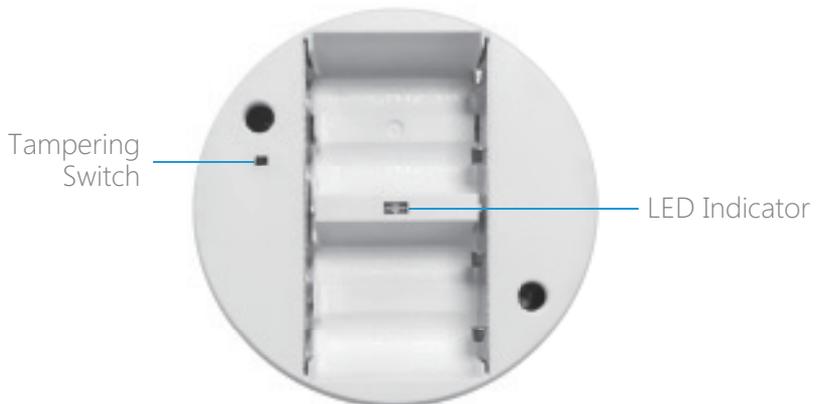
Slide to Open

Inside View



Tampering
Switch

SS-20 Indoor Siren Rear View



Tampering
Switch

LED Indicator

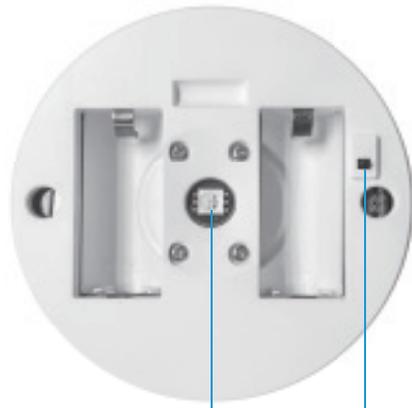
KP-20 Keypad Overview

Front View



LED Indicators
Four Non-numeric Keys *

Rear View



LED Indicator Tampering Switch

* Non-numeric Keys are used to set the password for changing the status of K1 system.

Advice before Setting Up

Make installing easier and quicker by putting all the devices on a flat surface first. Check all options and how to set it up properly. Then install them on their assigned places.



Download the “smanos home” App

You can search “smanos home” in App Store or Google Play Store or scan the QR codes as below:

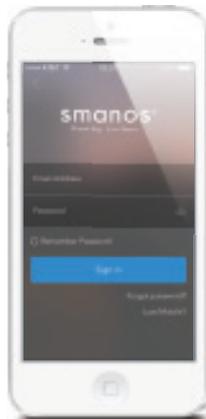
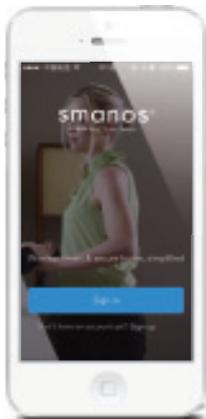


Sign Up/In

If you have not registered an account with smanos, please press “Sign up” just below the “Sign in” icon on the app, and follow the instructions to create your account first.

★ If you do not receive an account verification code in your email inbox during the registration process, please remember to check your spam/junk folder and make sure the notice has not been blocked by your service provider.

Once you have an account with us, please select the “Sign in” icon and enter your email address and password to log in.



Add the K1 System to the "smanos home" App

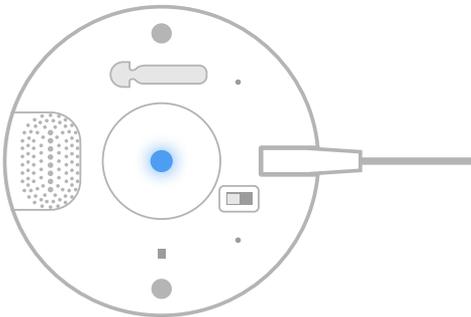
Add Device

Press the "+" button on the Device List. Tap on [K1 Smart Hub], then follow the configuration steps to set up your K1 Hub with your home WiFi.



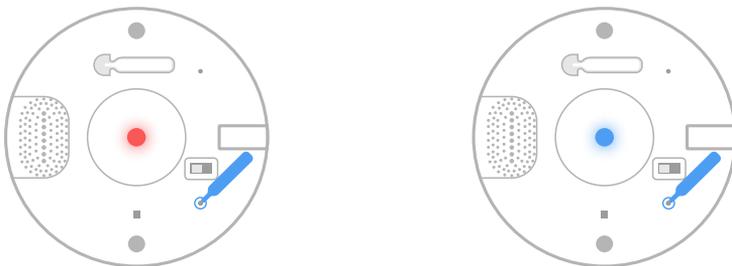
Set Up Your K1 Smart Hub

1. Plug the power adapter into a wall socket and into the K1 Hub, slide the Power Switch from OFF to ON, wait until the white light flashes blue.

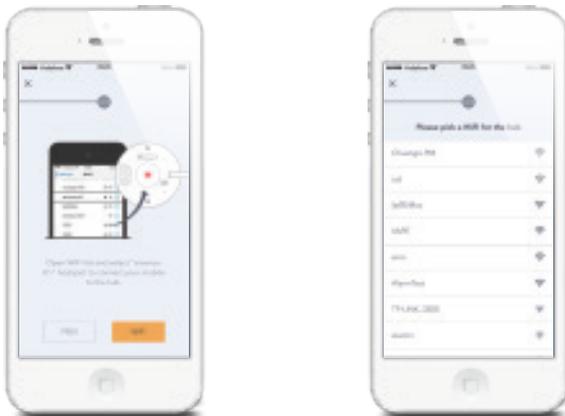


2. Connect the K1 to Your Smartphone

Use the Pin to press the WiFi Configuration Button for 3 seconds, the light will flash red and blue alternately.

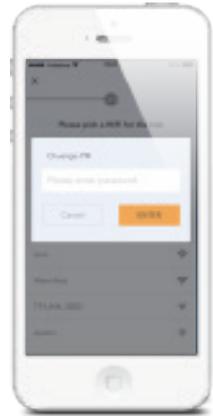


3. Go to your phone's WiFi settings, look for and select "smanos K1" hotspot to connect your mobile to the Hub. When connected, return to your "smanos home" app.



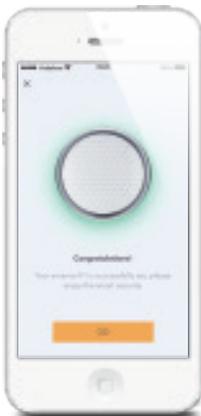
4. Enter WiFi Details for Your K1 Smart Hub

Select your 2.4GHz WiFi network from the display list, and enter the WiFi network password. The Hub will connect to the selected WiFi network. This binding process should take about one minute.



When a successful connection is established, the indicator will stop blinking.

Now, your smanos K1 Hub is successfully set, enjoy a smart and secure life!



K1 Smart Hub Light Indicator Color Meanings

The different colors shown on the light indicator on the back of the K1 Hub tell you the device's current status. Here is a list of what each color or pattern means:

Pattern Description	Meaning
The indicator blinks in a white color	Hub is booting up
The blue indicator blinks slowly (once every 2 sec)	Hub is disconnected from a viable WiFi network
The indicator shows a steady light	Hub is connected with a viable WiFi network
Red and blue blink alternately	Hub is in WiFi Configuration Mode
Red, blue and green blink alternately	Hub is in Accessory Pairing Mode
Red indicator	System is armed
Blue indicator	System is armed in Home Mode
Green indicator	System is disarmed

System Statuses

System Armed

All the K1 sensors detect for anomalies; the indoor siren will sound immediately when a sensor is triggered. You and other pre-authorized users will receive push notifications on your/their phone.

This mode is recommended for when no one is at home, and can be easily set from the Keypad or app.

KP-20 Keypad Operating Steps



Rotate the Keypad ring to the right, and then enter the Keypad password (Press the left top key for 6 times).

APP Operating Step



Press the  icon

K1 Hub Indicator



System Armed

System in Home Mode

Only the Motion Sensor in this kit will stop detecting (default setting; can be changed on the app), which enables you and your family to move freely inside your home without triggering the motion sensor, yet your door/window sensors are still alert and protecting the perimeter.

This mode is recommended for when someone is at home, such as during the night, and can be set from the Keypad or the app.

KP-20 Keypad Operating Steps



Rotate the Keypad ring to the right first, then to the left, and then enter the Keypad password (Press the left top key for 6 times).

APP Operating Step



Press the  icon

K1 Hub Indicator



System in Home Mode

System Disarmed

All the sensors stop detecting except any sensors that you may have set to **24 Hour Mode**. Sensors in the **24 Hour Mode** are continuously monitoring a particular area, entrance or item for you such as a water detector or a door/window. Some examples would be a WI-20 Water Sensor near a washing machine, hot water heater or dishwasher or a DS-20 Door Sensor on a gun or medicine cabinet or your safe. Any sensor placed in 24 Hour Mode will keep working regardless of system status.

KP-20 Keypad Operating Steps



Rotate the Keypad ring to the left, and then enter the Keypad password (Press the left top key for 6 times).

APP Operating Step



Press the  icon

K1 Hub Indicator



System Disarmed

Note: The Keypad password can be changed on the “smanos home” app.

App Operation

Device List Page

Once you finished the network setting for your K1 Smart Hub, it will appear on the Device List Page.



Edit the devices

When the status bar turns into blue, it means the device is ONLINE and available.

If it's gray, it means the device is OFFLINE and cannot be accessed.

Edit Your Device(s)



Delete Devices

Tap on the right top Edit button [🔍], press the Delete button [🗑️] and choose [Delete].

Sorting

Tap on the right top Edit button [🔍], press and hold the Sorting button [📁], drag it up or down to the position where you want it to be located and then release.

K1 Main Page

Review the latest operations or alerts. These will appear here with the bottom one being the most recent.

Change the status of the K1 system by pressing 1 of the 4 corresponding icons of the Alarm Status you wish to select.

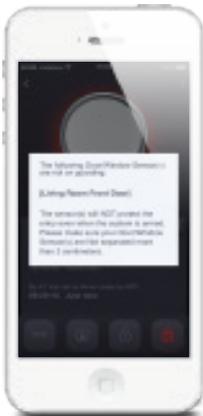


Accessories
System Settings

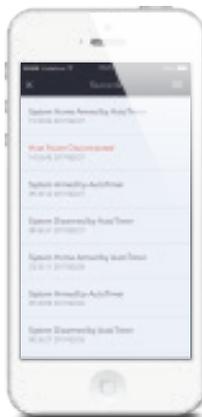
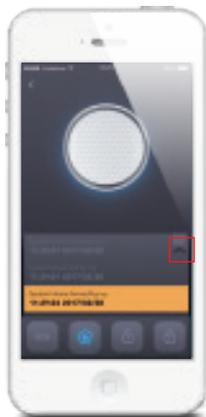
Colors of the background will indicate the corresponding System Status:
blue: Home Mode
red: Armed
green: Disarmed

Door(s) / Window(s) Open Alert

When the K1 system is being armed, you will receive a notification to tell you if any door or window is open. The armed behavior will be processed even if you leave these doors or windows open, so it is **HIGHLY RECOMMENDED** you go to check and close all these doors or windows, otherwise the system is not 100% in guard.



History



You can check the latest 300 records of Alarms and Operations. The Alarm history are in red.

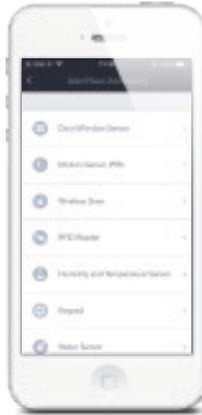
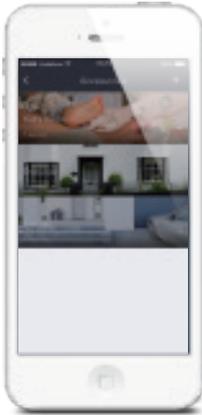
Accessories Page

Press the [🔌] button to enter Accessories List.



Add New Accessory

Tap [+] icon on the upright corner, choose the corresponding accessory, then follow the instructions on the app.

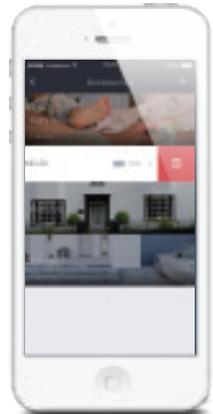
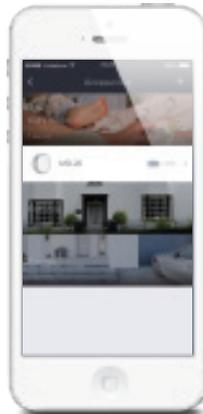
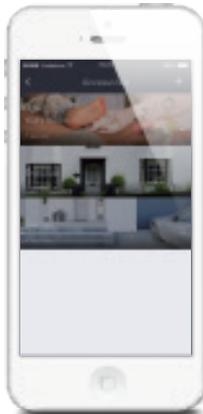


*You can also pair the accessory by short pressing the RF button once on the K1 Hub, wait it sounds one beep and then press the tampering switch on the accessory for 3 times, wait until the K1 Hub beep once to finish the pairing.

Accessory List

The categories (rooms) and the quantity of the assigned accessories in each will show on this page.

You will see if the accessory is offline or in a low battery status, there will be a corresponding notification icon which appears on the category.



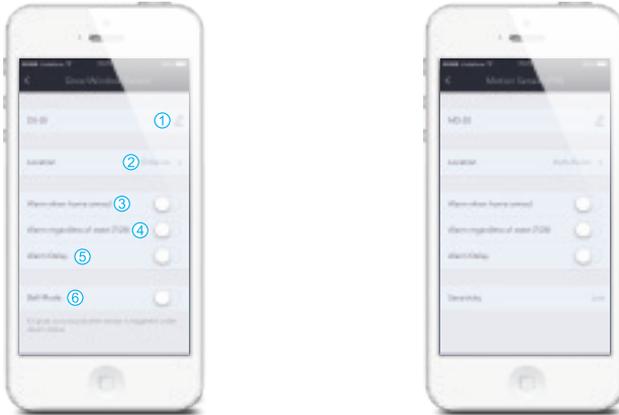
Tap one category or room and the assigned accessories would appear and you can check the battery status of your accessories.

If you want to delete the accessory, just press and slide the accessory to the left and then choose [] icon.

*For deleting all the devices, you can also press and hold the RF button on the K1 Hub and wait until it sounds a long beep.

Customize Your Own Accessories

Door / Window Sensor and Motion Sensor



1. Edit sensor name. You could name it "Front Door" and place it in the Entrance Location.

2. Choose a location for the sensor.
You can have multiple sensors in one location.

3. This option, if enabled, will sound alarm if triggered when system is armed in Home Mode.

For example, this would not be enabled for most indoor motion sensors so you could move freely inside of your home while all perimeter sensors are enabled.

4. Enables alarm whenever the sensor is triggered regardless of what state the system is in.

A water sensor would be a good example of a 24/7 sensor.

5. Turn on / off the Alarm Delay function.

6. Bell Mode (Available only for Door/Window Sensor). When the system is in the Disarmed status, you can enable the Bell Mode of the sensor.

Example: Front Door so you know someone opened the front door.

Keypad

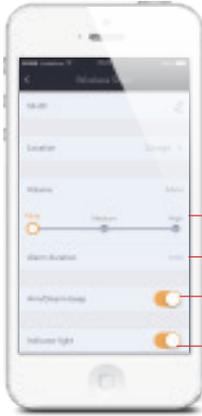


1. If you want to reset your key pattern, press “Set New Key Pattern” and enter the new key pattern.

2. If you want to check the current key pattern, press “check the key pattern” and it will appear on the dialog.

3. You can turn on / off the indicator light of the Keypad.

Indoor Siren



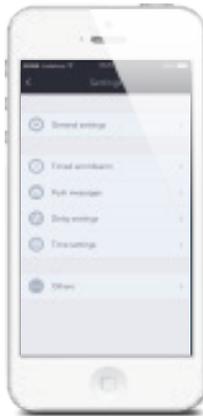
You can adjust the volume and the duration of the Siren to suit your requirements.

When you arm / disarm the system, the Siren will sound a corresponding tone to indicate the status, you can turn on / off this function here.

You can turn on / off the alarm indicator light of the Siren.

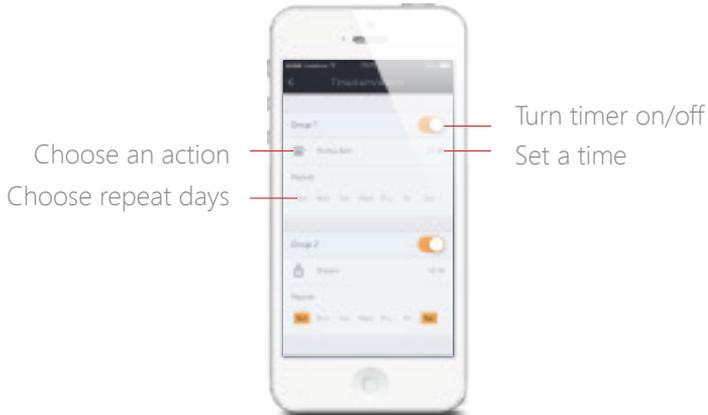
Settings Page

Press the [ⓘ] button to enter Settings Page. Now you can enter the Settings Page and edit the settings of the K1 and make the system yours.



Timed Arm / Disarm

On this page, you can set a time to Arm/Disarm/Home Arm your system automatically. If you want to activate one timer, you can turn it on and set the action and time.



Push Messages



1. Change the ringtone of the push message
2. If you want to get an email notification whenever the system alarm is triggered, you can turn on the "Email" function and input your email address.

Delay Settings

In this page, you can set an Alarm delay & Auto-armed delay for your K1 system.

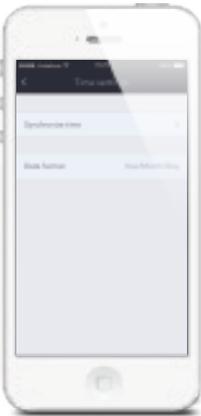


1. When "Alarm delay" is selected, the triggered accessory will sound the Siren when the delay setting times-out. A reminding sound will be heard during this period (the length of the delay can be set by the user). You may activate the delay function in the accessory setting (see pages 24 or 25).

2. When the Auto-armed delay is set, the K1 Hub will turn into Armed status after the setting period of time.

Time Setting

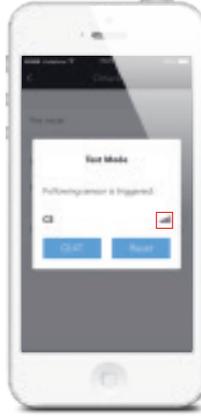
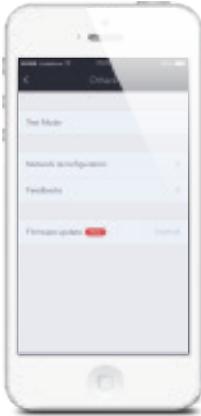
You can synchronize K1 system time with the time zone of your mobile and set the format of date.



Test Mode

Two Uses for the Test Mode:

1. Check the range between accessories and K1 Hub, without triggering an alarm.
2. Prevent the tamper switch of a sensor triggering an alarm while installing the accessory or during the replacement of batteries.



Once you triggered the sensor, the signal mark would indicate the signal strength between the sensor and the K1 Hub.

The Test Mode will automatically quit in 10 minutes.

Firmware Update



Your K1 system is a living, ever evolving product and we will always be making improvements and additions to the K1 so you get the most enjoyment from it.

When you see a red "new" beside your Firmware tab you will know you have new firmware to update. When you choose to update the firmware, please be sure you have time to do so. You will need to stay at the page and wait until it's completed, making sure you do not turn off your phone or K1. You will also need to follow any additional instructions provided during update.

Edit Your Smanos Account

Tap on [] on the Device List page to enter the Account Menu.



Tap on the picture, and you can add or replace your account image by taking a picture or choosing a picture from your phone's album.

If you want to change your account name, just tap on the [] button and enter a new name.

Changing your password can also be done on this page.

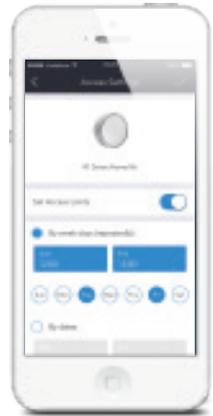
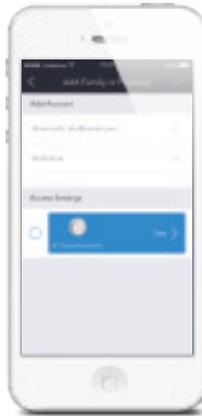
My Shares

By choosing "My Shares" on the menu and pressing the [+] button, you can share access to your device(s) with other registered smanos accounts who may not own a smanos product.

Enter the email address and nickname of the account you want to share with, and then select the device(s).

It is highly recommended that you set access limits to those who you may share your camera(s) with. In choosing not to do so, you grant your family and/or friends continual access to the camera(s) you have shared.

The user who receives the shared device can only mark the name of the device, sharing of the device to other users or changing the settings of the device can not be done.



Works with Nest

You may also link your Nest Thermostat to the K1.

Select Nest Products at Add New Accessory interface, then login the Nest account and use Nest Thermostat function.



Works with Amazon Alexa

The K1 also supports interaction with Amazon's Alexa. After complete setting, you can quickly arm or home arm smanos K1.

"Alexa, ask smanos to arm away"

"Alexa, ask smanos to arm stay"

and more to come...

For your safety, we don't offer disarm function now.



Installation



Step 1: Unlock the base from your device.

Step 2: Place the base on the wall; make sure the "UP" arrow on the base is pointing vertically to the ceiling; use the provided screws or double sided tape to install it properly (the green "Level" is a good reference to keep your device leveled).

Step 3: Lock your device onto the base.

Recommended Placements

K1 Smart Hub:

Place your K1 Hub in an open area that is located centrally to the whole smart home system, and within line of sight of your WiFi router.



KP-20 Security Keypad:

Place the Keypad near the entry of your home that is convenient for you to control the system on your way out/in.



DS-20 Door/Window Sensor:

Can be installed on a door/door frame, window/window frame or any other object that can be opened/closed and needs detection. There are aligning marks on the sides of the transmitter and magnet; make sure the marks face each other and within the range of 1 cm (0.4").



MD-20 Pet Friendly Motion Sensor:

Place the sensor at a location that is critical for home security at a height of 2-2.2 meters (6.6'-7.3') from the ground. Avoid facing swinging objects, heat, window and door.



SS-20 Indoor Siren:

You should place the Siren in any location as long as it is within the range with K1 Hub and it is not a bad idea to have 2 or 3 Sirens. More than one Siren helps deter would-be intruders even more as they will go towards the initial Siren to try to break it. If successful and the 2nd or 2nd and 3rd Siren are still blaring at 90 decibels, it is more likely they will be leaving as intruders do not care for attention and know they have only a short period of time.



Specifications

K1 Hub

Power: DC 12V 500mA

Backup battery: Rechargeable li-ion battery up to 5 hours standby (on-site alarm)

Frequency: 915MHz or 868MHz

Wi-Fi: 802.11b/g/n with WEP/WPA/WPA2 encryption 2.4GHz

Operating conditions: temperature 0-50°C, humidity < 90% RH (non-condensing)

Dimensions (L x W x H): 85 x 85 x 36 mm

Door/Window Sensor

Model: DS-20

Power: 3V CR123A Li-Mn battery x 1 pc

Frequency: 915MHz or 868MHz

Operating conditions: temperature 0-50°C, humidity < 90% RH (non-condensing)

Transmitter dimensions (L x W x H): 23.8 x 26.4 x 70 mm

Magnet dimensions (L x W x H): 14.9 x 10.4 x 70 mm

Pet Friendly Motion Sensor

Model: MD-20

Power: 3V CR123A Li-Mn battery x 2 pcs

Frequency: 915MHz or 868MHz

Operating conditions: temperature 0-50°C, humidity < 90% RH (non-condensing)

Dimensions (L x W x H): 85 x 85 x 36mm

Security Keypad

Model: KP-20

Power: 3V CR123A li-Mn battery x 2 pcs

Frequency: 915MHz or 868MHz

Operating conditions: temperature 0-50°C, humidity < 90% RH (non-condensing)

Dimensions (L x W x H): 80 x 80 x 34mm

Indoor Siren

Model: SS-20

Power: 3V CR123A Li-Mn battery x 4 pcs

Frequency: 915MHz or 868MHz

Operating conditions: temperature 0-50°C, humidity < 90% RH (non-condensing)

Dimensions (L x W x H): 85 x 85 x 37mm

Technical Support:
<http://www.smanos.com/K1>
support@smanos.us (North America)
support@smanos.com (Rest of the World)