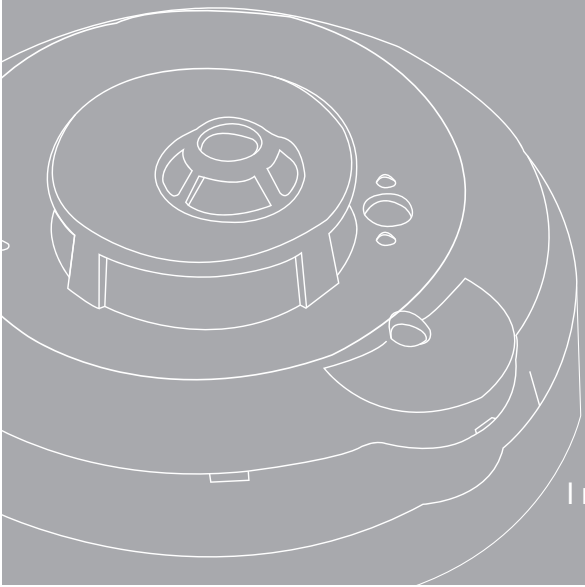
頂石雲端
CAPSTONE



FIRE ALARM

Residential
Fire Alarm Sounder
Installation Instruction

Contents

1. Product Information	1
2. Function Definition	2
3. Description of Installation Space Configuration Planning	3
4. How to avoid the improper installation position?	4
5. Looking for the best installation position	4
6. Test and Maintenance of the Residential Fire Alarm Sounder	5
7. Setup environment	6
8. Quick installation method	6
9. Installation Situation Description	8
10. APP Tutorial	9
10-1. Download Tutorial	9
10-2. Account Registration	10
10-3. Device Setting	11
10-4. Device Sharing Setting	14
10-5. Edit Device	18
10-6. Edit Group	19
10-7. Self-set Temperature Remind Setting	20
10-8. Notification Setting	21
10-9. Android System Instruction	22
10. FCC Statement:	23

1. Product Information

Name	Residential Fire Alarm Sounder with Photoelectric/Constant Temperature	
Model	CS-6000	
Type	Photoelectric Two Types/Constant Temperature	
Input Power	Voltage	110VAC/220VAC
	Current	45mA
	Frequency	50 / 60Hz
Standby Battery	Brand	Panasonic eneloop
	Model	BK-3MCCE
	Specification	1.2 VDC 2000mAh/AA Nickel-Hydrogen Self Discharging/Charging Battery
Wire Parameters	Equipment Name	CS-6000M
	NCC License No.	CCAN20LP0100T6
	Wireless Standard	802.11 b/g/n
	Frequency Range	2.4GHz~2.5GHz(2400MHz~2483.5MHz)
	Security Mechanism	WPA / WPA2
	Encryption Type	WEP / TKIP / AES

2. Function Definition

1. The residential alarm sounder is mainly powered by supply mains, and will not start until it is connected with supply mains after installing batteries.

2. Upload a group of document to the cloud about every 60 seconds.

3. When the smoke concentration/temperature reaches the alarm value, the alarm sound ("beep, beep, beep" continuously) and a red light flashes.

4. When the temperature reaches the alarm value, the early alarm sound ("beep ~" long sound) and a red light will be on.

5. When the smoke concentration/temperature is in normal condition, the green light flashes every 5 seconds.

6. The device is equipped with standby power source, which can keep the device running continuously for a period of time after the supply mains is cut off. (When the battery is in good condition and fully charged, it can run for more than 24 hours).

7. The battery is the consumable, which will reduce its service life due to its usage and environment, and is not covered by warranty.

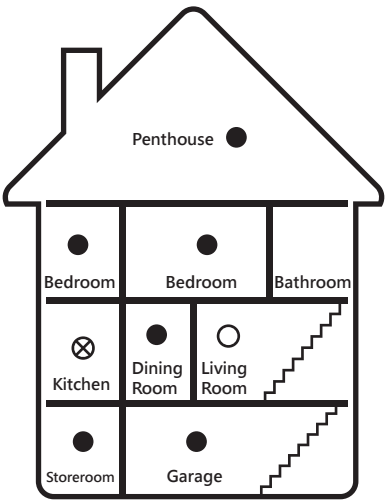
8. When the supply mains provide, if the battery voltage is lower than the charging threshold, the battery will be charged.

3. Description of Installation Space Configuration Planning

It is recommended to install one residential fire alarm sounder on every floor and every separate compartment in the house to achieve the highest protection function.

The stairwell is a passage for smoke circulation, so it is recommended to install one residential fire alarm sounder.

If the length of walkway or room exceeds 10 meters, it is recommended to install more than one, and install the residential fire alarm sounder at the both ends.



● It's strongly recommended to install, to provide basic protection.

○ It's strongly recommended to enhance the installation, to reach the best security protection performance.

⊗ For frequent smoke position, It's recommended to install the residential alarm sounder with temperature detection.

4. How to avoid the improper installation position

Improper installation position will delay the alarm time, and may also cause "false alarm", thus affecting the living quality. The following conditions should be avoided:

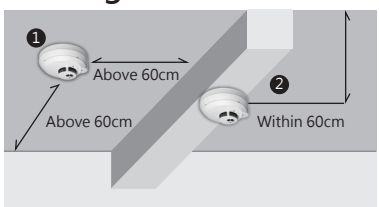
1. Please do not install in frequently smoky environments, such as poorly ventilated kitchens, fireplaces, incense burning halls, carpentry studios, and install constant-temperature alarm sounders as fire detection in the above areas.

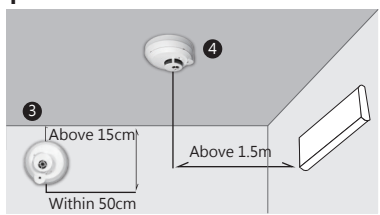
2. Do not install in the environment where a large amount of water mist and steam are easily generated, such as bathrooms and steam rooms. If the area is the necessary alarm location, it should be at least 3 meters away from the entrance of the area.

3. It should avoid to install at the outlet of heating and cooling air conditioner where it blows directly.
   Fogging caused by different temperature and humidity may trigger alarm by mistake.

4. This residential fire alarm sounder with photoelectric smoke detector is a high-definition equipment, for example fluorescent lamp' s electronic noise may cause interference, and the installation place should be more than 1.5 meters away.

5. Looking for the best installation position





1. When the residential fire alarm sounder is installed on the ceiling, it should be more than 60cm away from the wall or beam column, and it should be installed at the center of the room.

2. When the residential fire alarm sounder is installed on the beam column, the lower end should be within 60cm from the ceiling or floor.

3. When the residential fire alarm sounder is installed on the wall, it should be within 15~50cm below the ceiling or floor.

4. The residential fire alarm sounder should be more than 1.5m away from the air outlet to avoid the airflow affecting the detection function.

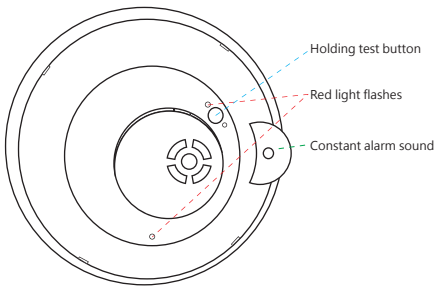
6. Test and Maintenance of the Residential Fire Alarm Sounder

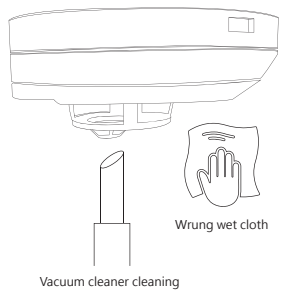
1. Press the test button and hear the alarm sound and flashing red light to confirm the normal operation of the alarm sounder, and test it at least once per month.

2. The dirt on the surface of the residential fire alarm sounder can be wiped with a wrung wet cloth, but you should be careful that water drops cannot fall into the residential fire alarm sounder, and the battery should be removed before wiping.

3. When dust or cotton wool covers it, it can be removed by vacuum cleaner to keep the residential fire alarm sounder in the best condition. Please remove the battery in advance when cleaning.

4. When the supply mains are cut off, if the alarm sounder fails to work normally (the green light flashes every 5 seconds), please confirm the battery status. If the battery is different, please replace the battery immediately.





7. Setup environment

Stable WiFi environment.

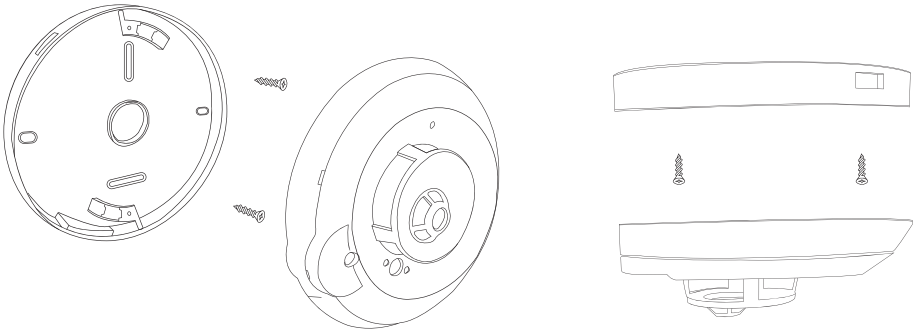
110VAC/220VAC

Setup for supply 110VAC/220VAC power source position.

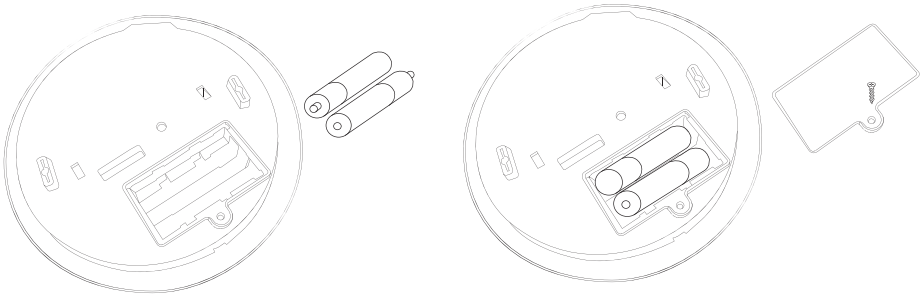
Built-in AA Nickel-Hydrogen Charging Battery, please don't remove.

8. Quick installation method

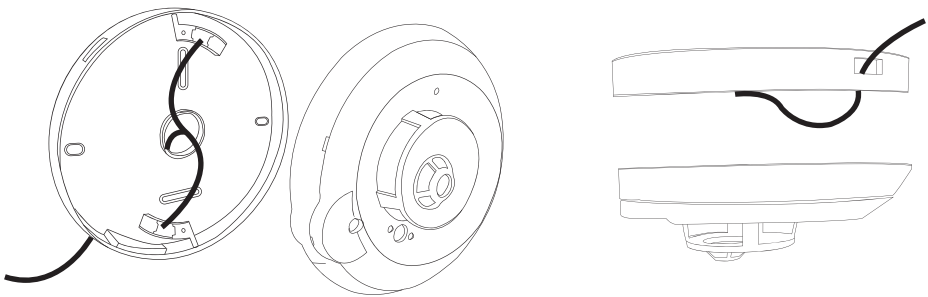
1. Firstly, remove the base and fix it on the ceiling or wall. Gently press the bottom plate on the position to be installed, mark the screw location with a pencil, drill the fixed hole with the alignment mark of electric drill after removing the bottom plate, and drill into the plastic nail in the accessories. Align the hole position of the bottom plate with the plastic nail, and lock the screws for fixation.



2. Fasten the rechargeable battery of the accessories and press it into the battery slot at the back of the detector body, fix it in the battery slot, and then fix the battery cover plate with screws.



3. The supply mains wires can be installed on the ceiling or wall according to the requirements, and the wires can be pulled out from the center hole or the side hole of the bottom plate. And rotate the host machine on the base and finish installation.



9. Installation Situation Description

1. Undecorated/Light Steel Joist Ceiling (Cement, Iron plate, etc.)

1-1.
Use the electric drill to make 2 holes at the installation position, insert plastic nylon anchor (plastic plug), fix the base with screws, and connect the 110VAC (or 220AC) power source to the base. After the residential fire alarm sounder is loaded with battery, lock it to the base, and then set the APP.

1-2.
Adhere the base to the installation position with double-faced tape, connect the 110VAC (or 220AC) power source to the base, lock the alarm sounder to the base after charging the battery, and set the APP after powering on.

1-3.
If there is an idle octagonal junction box, the 110VAC (or 220AC) power source can be connected to the base through an octagonal junction box, and the base is fixed on the octagonal junction box with screws. After the residential fire alarm sounder is equipped with the battery, it can be locked to the base, and the APP can be set after being powered on.

2. Light Steel Joist

Open one small hole above the installation position (the power cord can pass through), then fix the base with screws or double-faced tape, and connect the 110VAC (or 220AC) power source to the base from above the light steel joist (the power cord runs inside the light steel joist). After the residential fire alarm sounder is loaded with batteries, it can be locked to the base, and the APP can be set after being powered on.

3. Decoration

3-1.
Before decorating, a set of 110VAC (or 220VAC) power source can be reserved at the preset installation position, and one hole can be opened at this position (the power cord can pass). After decorating, the base is fixed with screws or double-faced tape, and the 110VAC (or 220VAC) power source is connected to the base. After the residential fire alarm sounder is equipped with batteries, it can be locked to the base, and the APP can be set after being powered on.

3-2.
Decorated, fix the base at the installation position with screws or double-faced tape, connect the 110VAC (or 220VAC) power source to the base, lock the alarm sounder to the base after equipping the battery, and set the APP after powering on.

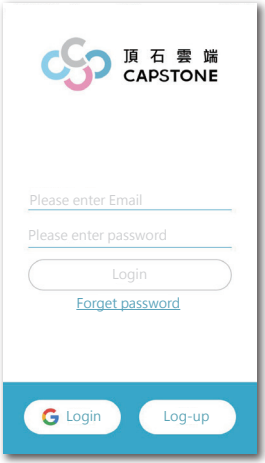
10. APP Tutorial

10-1. Download Tutorial

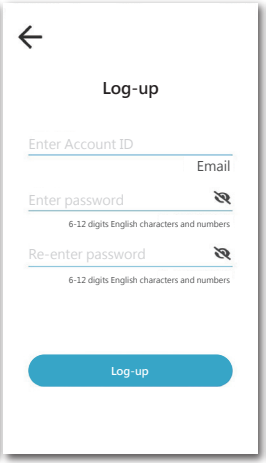
For mobile phone with Android OS, please search for "HF Alarm" in Google player or scan QRcode to download and install. For mobile phone with Ios, please search for "HF Alarm" in Apple Store or scan QRcode to download and install.

10-2. Account Registration

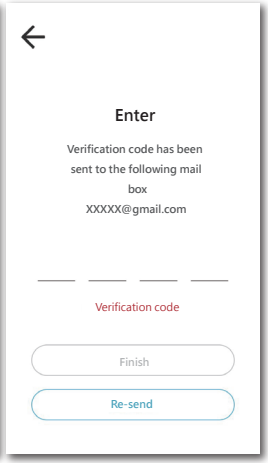
1.After installing APP, please click “Log-up” button



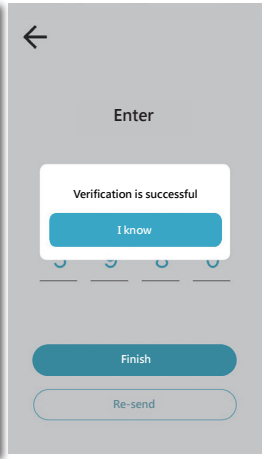
2.Enter email and password to start log up



3.Go to mail box to receive mail, confirm and enter 4 digit verification code



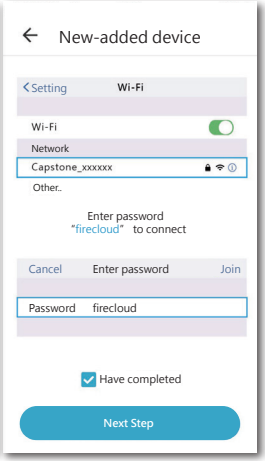
4.Verification is successful



10-3. Device Setting

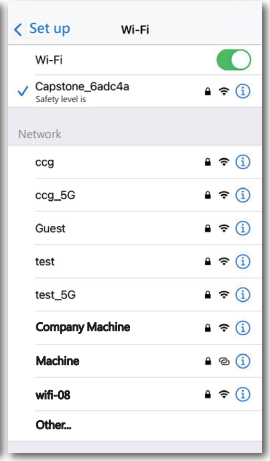
1.When theresidential fire alarm sounder is powered on and press "Setting" key, Check APP and go to NextStep

2.Turn on *Wi-Fi searching "Capstone" network and connect



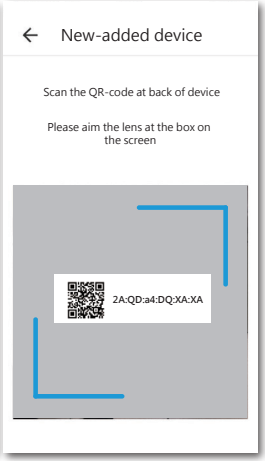
3. Enter password "firecloud"

4.Connection is successful

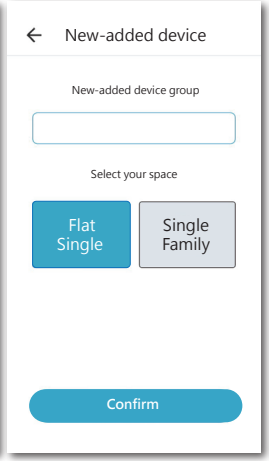


5.Enter the pre-connected Wi-Fi name and password of device to connect

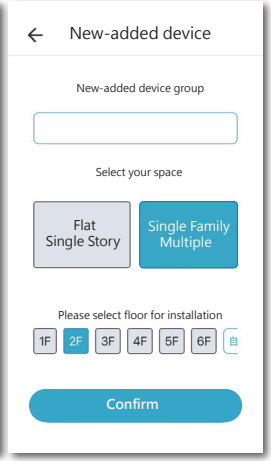
6.Scan the QR-code at back of device, finish pairing



7-1.The new device name group can be selected according to the household unit

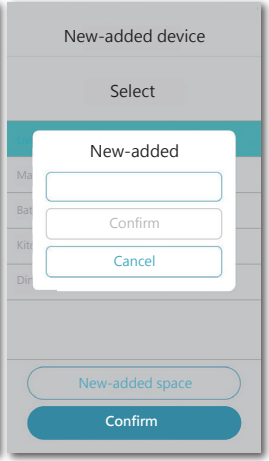


7-2.The new device name group can be selected according to the household unit

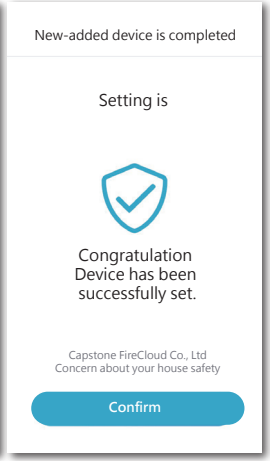


8-1.Select space for installation

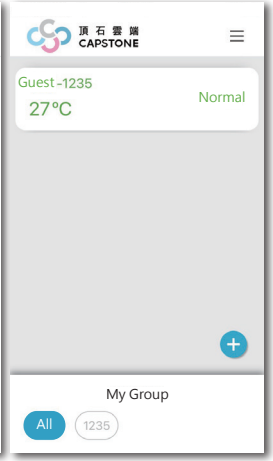
8-2.Add new space by yourself



9.Complete device setting

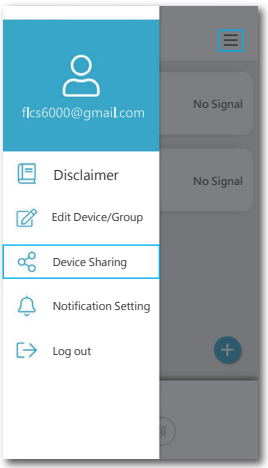


10.The homepage displays connected device status



10-4. Device Sharing Setting

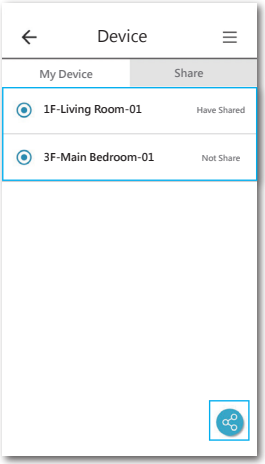
1.Click option at right upper corner,
Click the left menu Device Sharing



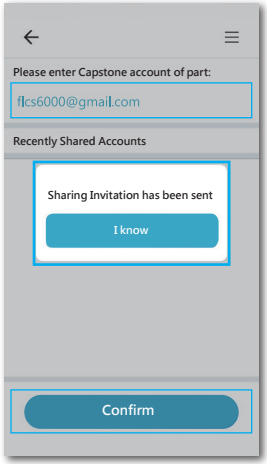
2.Click "Share Device", and select the device to be shared.

3.Skip to the next screen, clic

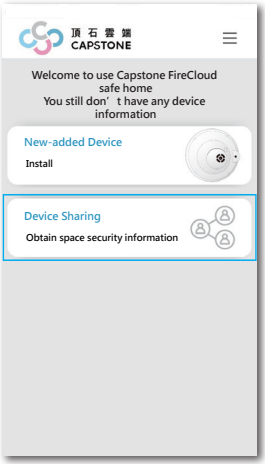
4.If you need to share multiple devices at one time, press and hold the devices to select multiple devices, and then press the following



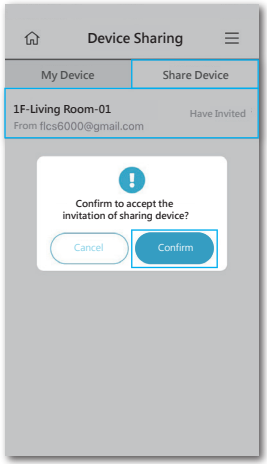
5.Enter shared accounts, and press "send" , share invitation shall be sent.



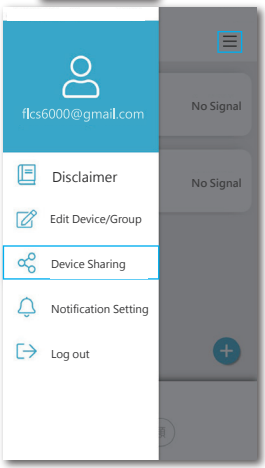
6.For the sharing party that has not installed the device, click the device to share



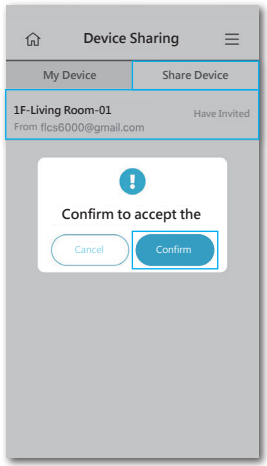
7.Sharing party click "Share Device" , Re-click shared device, the receiving notification shall be popped up, confirm and complete sharing



8.There has been receiving party of installed device, click ≡ option at right upper corner, click the left menu Device Sharing

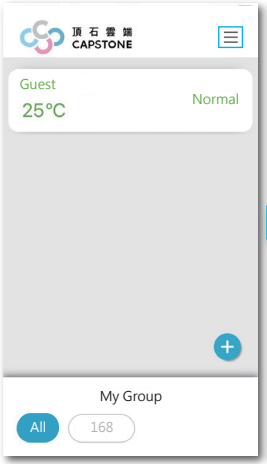


9.Sharing party click "Share Device" ,
Re-click shared device, the receiving notification shall be popped up, confirm and complete sharing

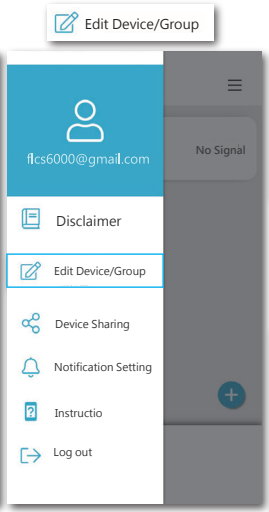


10-5. Edit Device

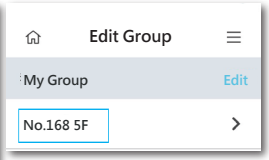
1.Click option at right upper corner



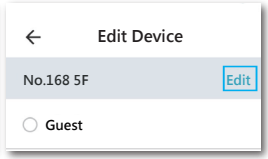
2.Click the left menu



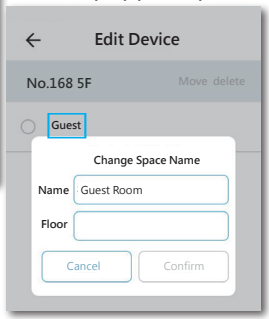
3.Click and Edit Device Group



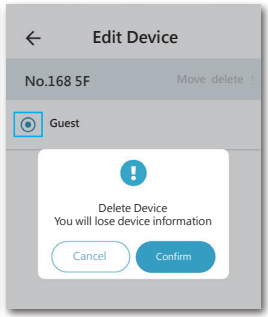
4.Click "Edit", select device to be edited or deleted



4-1.Click device name, "changing name" and movable group shall be popped up.

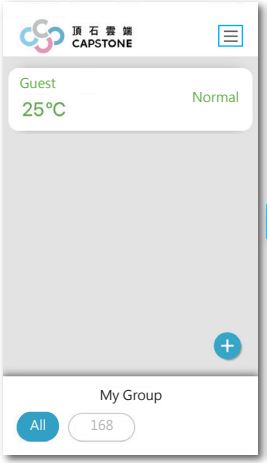


4-2.Check circle, to delete device

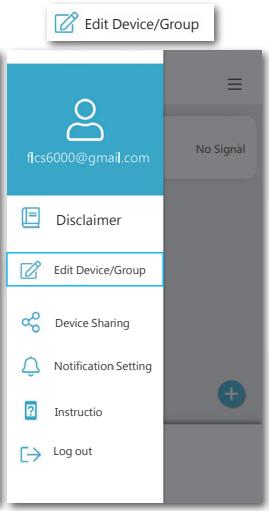


10-6. Edit Group

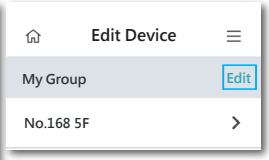
1.Click option at right upper corner



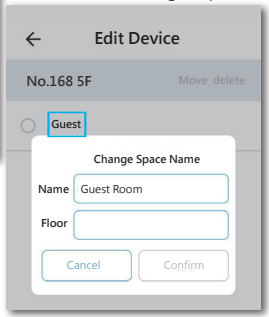
2.Click the left menu



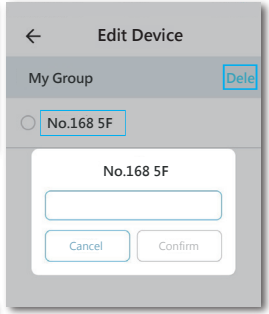
3.Click 編輯 right upper



4-1.Check the circle to delete the devices, and the devices in the group will beautomatically moved to the "Unclassified" group

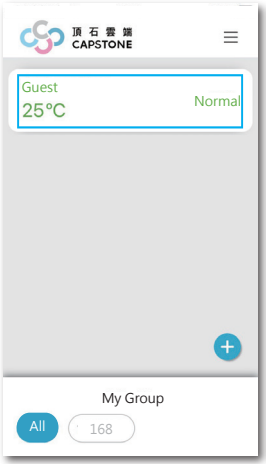


4-1.Click group name, "changing name" shall bepopped up.

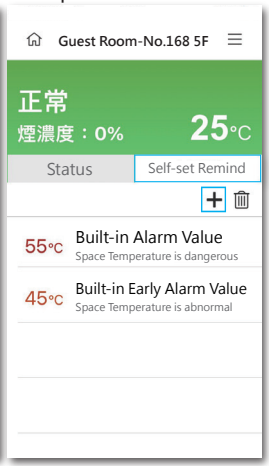


10-7. Self-set Temperature Remind Setting

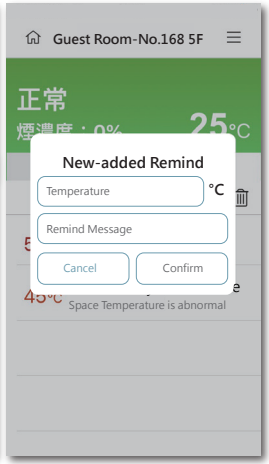
1.Click device to be adjusted



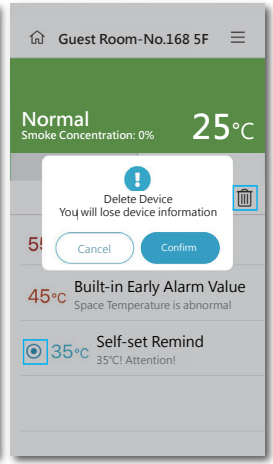
2. Click "Self-set Remind", and click + new-added self-set temperature



3.Set temperature, message remind and new-add complete

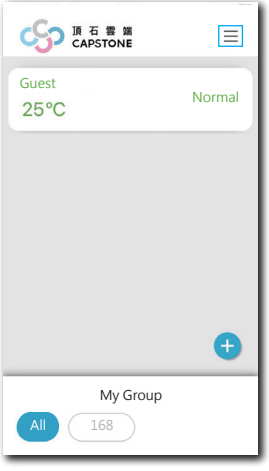


4.If you want to delete and click 🗑 at right upper corner, and check the Self-set Remind to be deleted

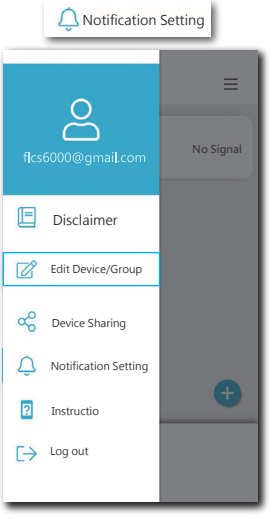


10-8. Notification Setting

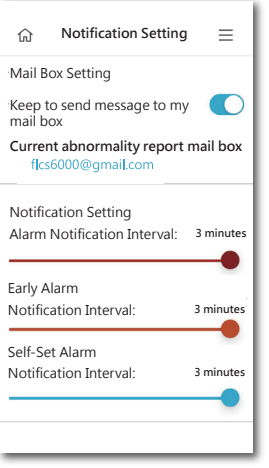
1.Click ≡ option at right upper corner



2.Click the left menu

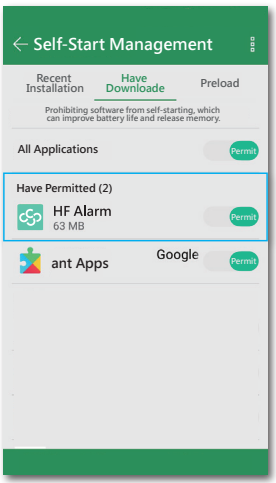


3.Adjust notification interval according to requirement

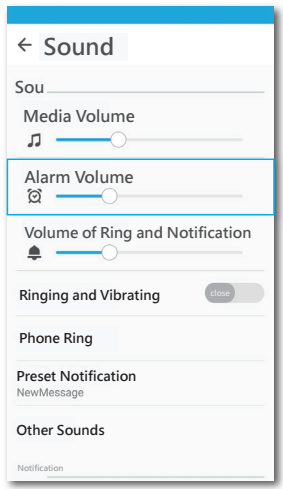


10-9. Android System Instruction

1.To "Self-Start Management" to start permission.



2.Go to "Sound Notification" setting, to turn on alarm volume (or notification volume).



11. FCC Statement:

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.
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.
Changes or modifications not expressly approved by the party responsible for compliance could void the user’ s authority to operate the equipment.

This device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and a human body.