CALIBER

SmartHome

Instruction manual for HWC 502

Click to jump to

OVERVIEW

What's in the box

Consult the checklist below for all components.

Bell 5C	Bracket	Chime kit
Angle Wall Mount	Screw(3 kinds) A x 2 B x 2 C x 1	Pin
3M	Manual	Screwdriver

Please keep network available
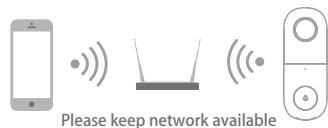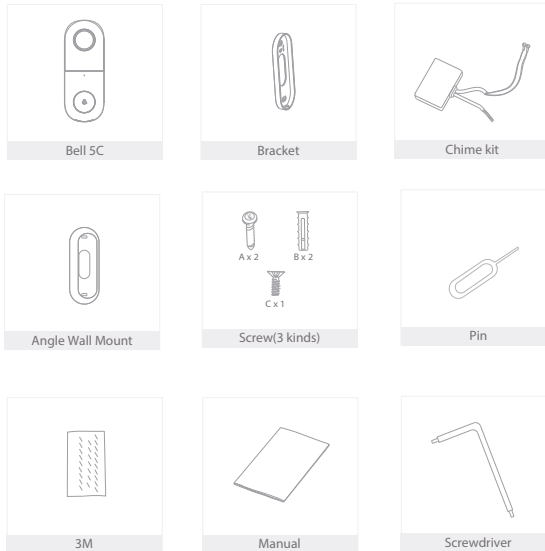
Note: Make sure the camera to be within range of the Wi-Fi network to ensure a successful connection between the camera and router.
Supported network: Wi-Fi 2.4GHz only

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1. Camera
2. IR LED
3. Microphone
4. Status Light
5. Button

8. External power port

MICRO SD   USB   RESET

6. Reset
7. Mini USB
9. Speaker
10. SD car slot
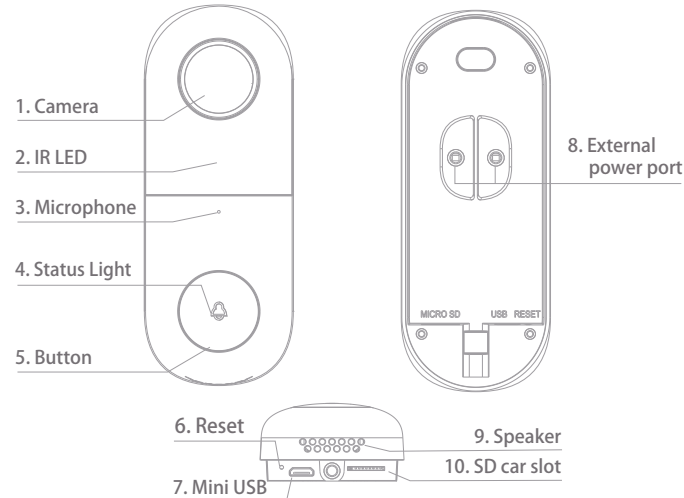
1. **Camera**
   - 1080p

2. **IR led**
   For night vision

3. **Microphone**
   2 way talk back

4. **Status Light**
   - LED will blink rapidly in RED while searching for a new connection
   - LED will blink rapidly in BLUE while reconnecting
   - LED will be solid RED while restarting
   - LED will be solid BLUE while ON and connected

5. **Button**
   To ring the bell

6. **Reset button**
   To reset to factory settings

7. **Micro USB slot**
   Alternative power source 5V DC

8. **External power port**
   8-16V AC

9. **Speaker**

10. **micro SD card slot**
    max. 128GB

Click to jump to

The pictures/screenshots/illustrations used in this manual are subject to change without notification. Also they may differ in appearance, depending on the device you use, iOs or Android, tablet or phone etc. Product and software update periodically, the number and app interface in this manual are only shown as an example. No extra notification on further changes.

SmartHome

Use your phone to scan the QR code below or search "Caliber Smart Home" in the app Store or Google play to download and install the app
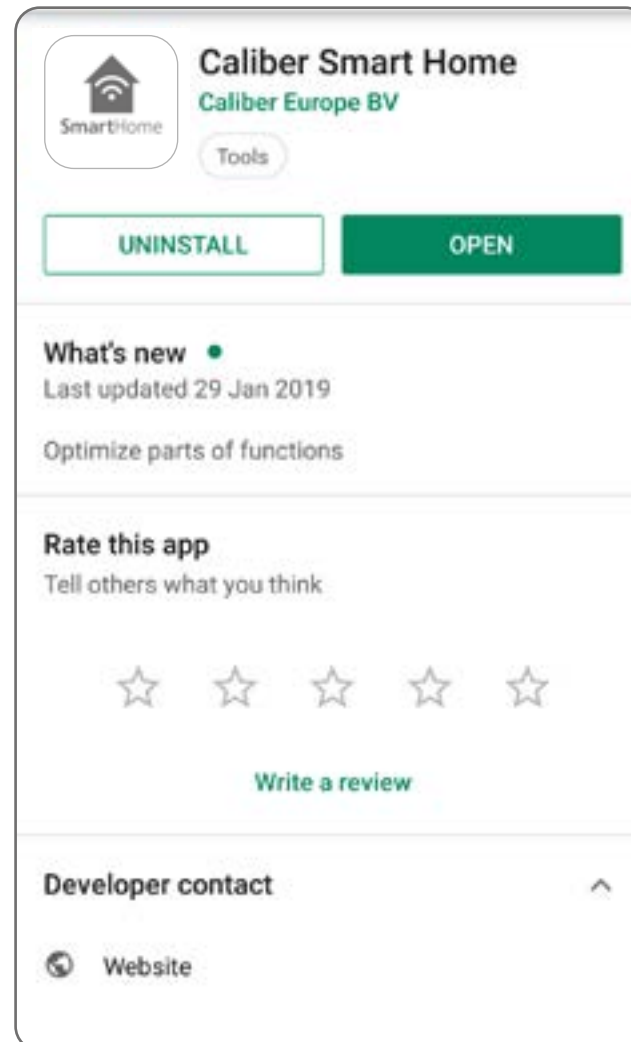
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Register / Login / Request password

SmartHome

Register

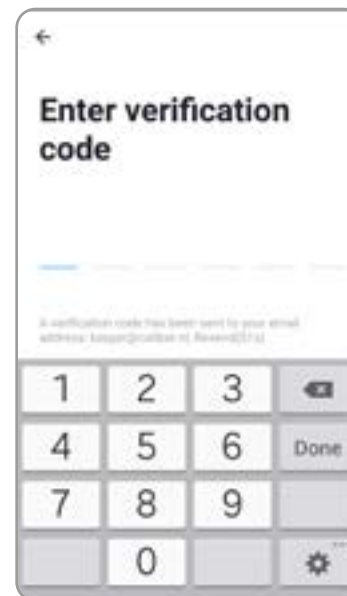Setup an account for 'Caliber Smart Home', or sign-in if you already have an account.

1. Tap "Register" in the lower center "img 1"
2. The system automatically determines your country / area. You can also select your country code by yourself.
   Enter the cellphone number / E-mail and tap "Obtain verification code" "img 2"
   note: *Change to "register by phone" for using a phone number to register.*
3. Enter the verification code you received "img 3". If you didn't received the verification code within 30min. please try the previous step again
4. Choose a password for your account "img 4", tap "Completed" to finish your registration.
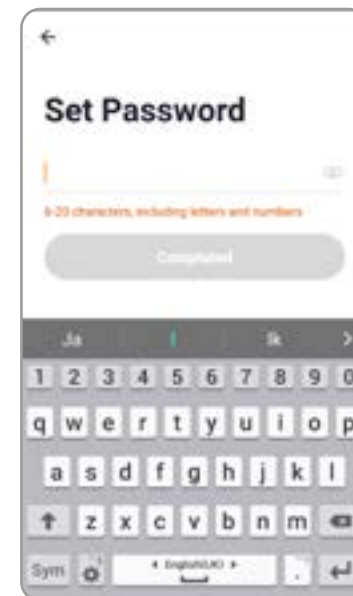
img 1   img 2   img 3   img 4

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Account+password sign-in

1. The system will automatically determine your country / area or you could select manually
2. Enter your registered cellphone number or email and password, sign in to the system

Log in

←

Log in

Netherlands +31 >
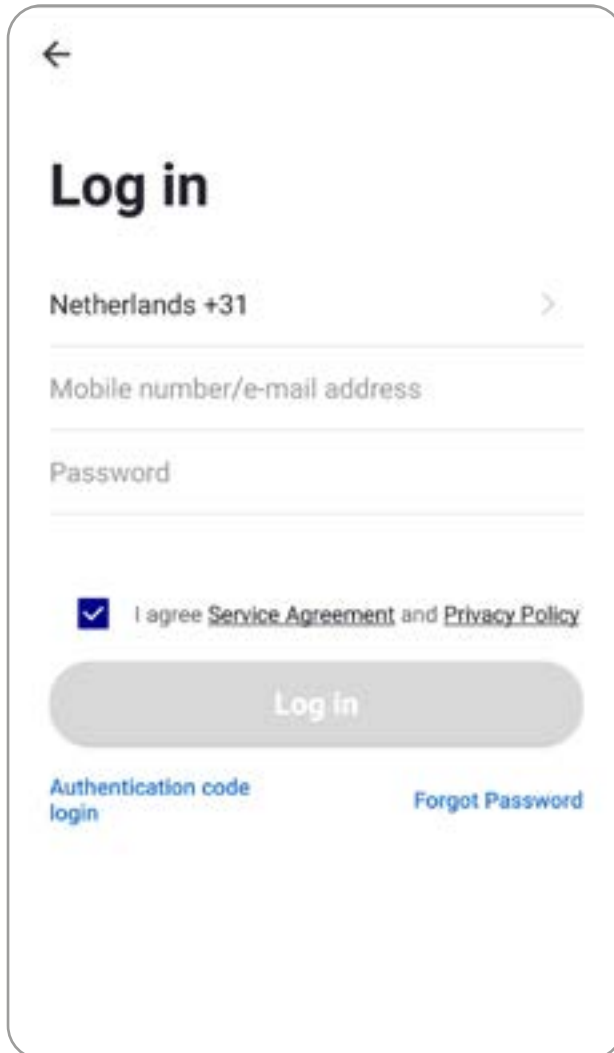
Mobile number/e-mail address

Password

☑ I agree Service Agreement and Privacy Policy

Log in

Authentication code login   Forgot Password

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Forgot password

If you forgot your account of "Caliber Smart Home", you can reset the account password by "Forgot password"

1. Tap "Forgot password", as shown in "img 1"
2. The system automatically determines your country / area. You can also select your country code by yourself. Enter the cellphone number/E-mail and tap "Obtain verification code", as shown in "img 3"
3. Enter the verification code you received "img 3". If you didn't received the verification code within 30min. please try the previous step again.
4. Choose a password for your account "img 4", tap "Completed" to finish your registration.
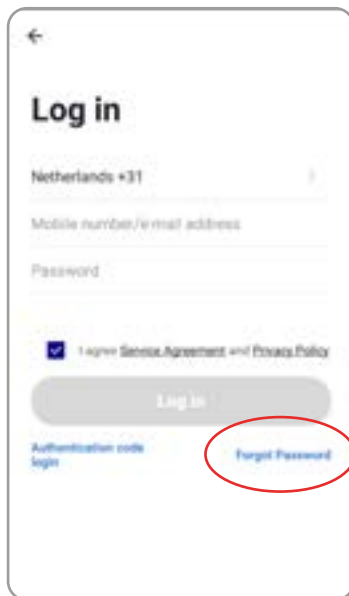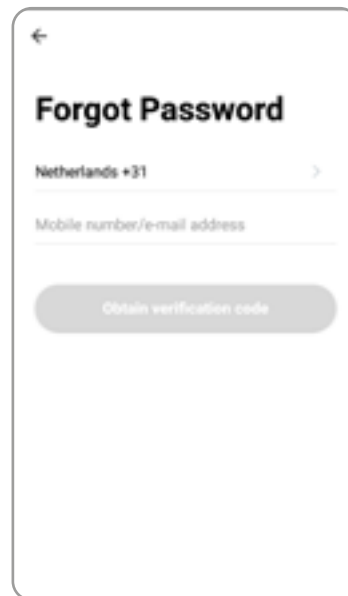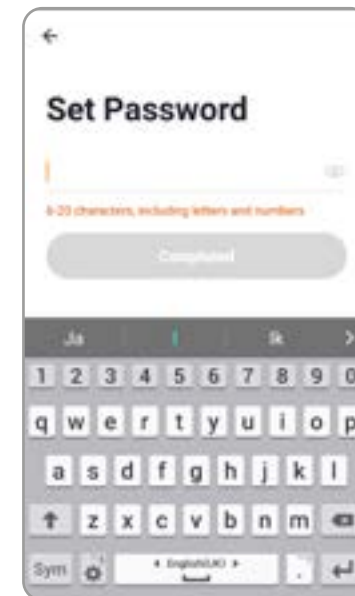
img 1   img 2   img 3   img 4
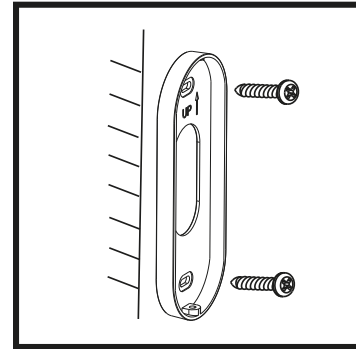
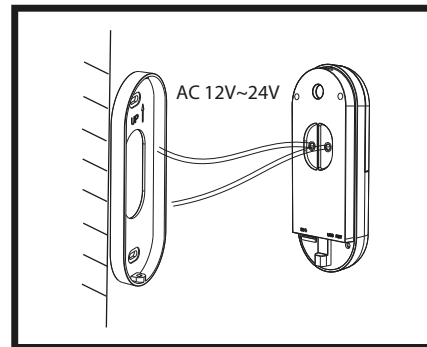CALIBER

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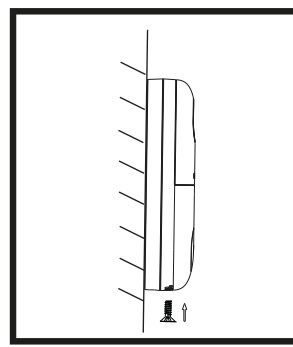## Doorbell Installation
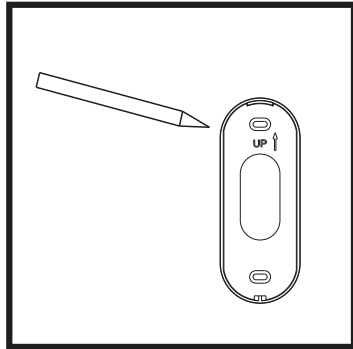
1. Mark screws position
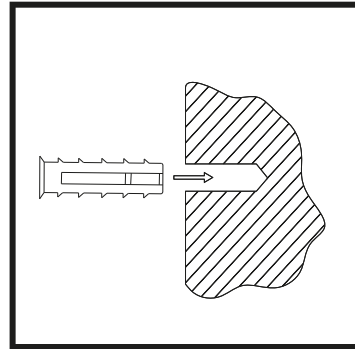
2. Nail expansion screw

3. Fix bracket

AC 12V~24V

4. Install the doorbell into the bracket

5. Install the doorbell into the bracket Fix it with the C screw

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Doorbell Installation Angle Mount
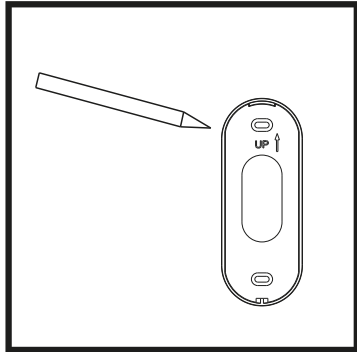
1. Mark screws position
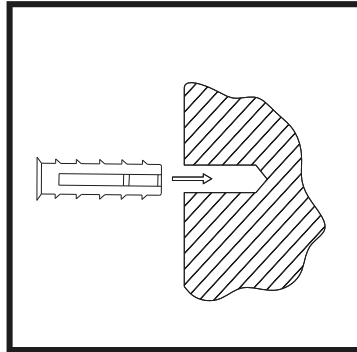
2. Nail expansion screw

3. Fit the mounting bracket to the angle wall mount

4. Fix bracket

AC 12V~24V
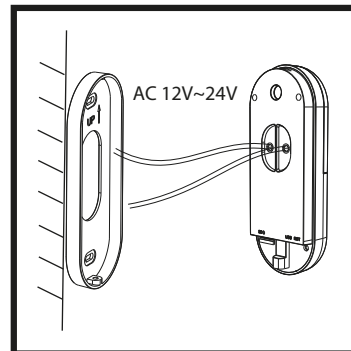
5. Install the doorbell into the bracket
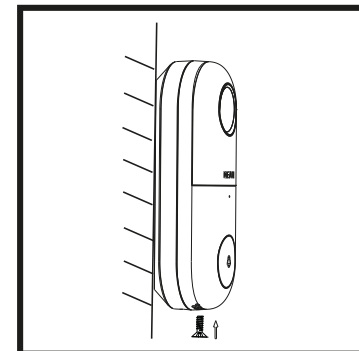
6. Angle mounted
   Fix it with the C screw

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1. Go to the app, tap "**+**" in the upper right of this page to add device's as shown in the picture to the left.
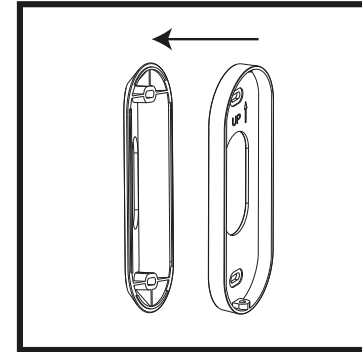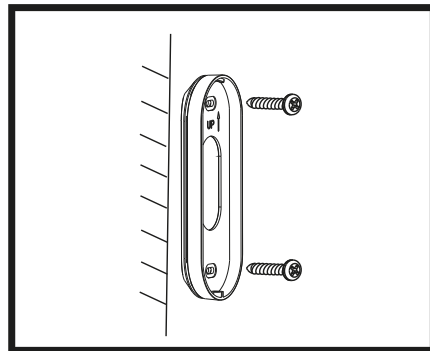2. In this case, select "Doorbell camera"
3. Please make sure the device's indicator light flashes quickly, tap "Next step" to continue.
4. Enter your WiFi-password
5. Next the app will show a QR code. Hold it in front of the camera lens until the doorbell-camera makes the confirming sound.
6. When successfully added, you can rename the camera and choose where it's located
7. Choose your chime setup
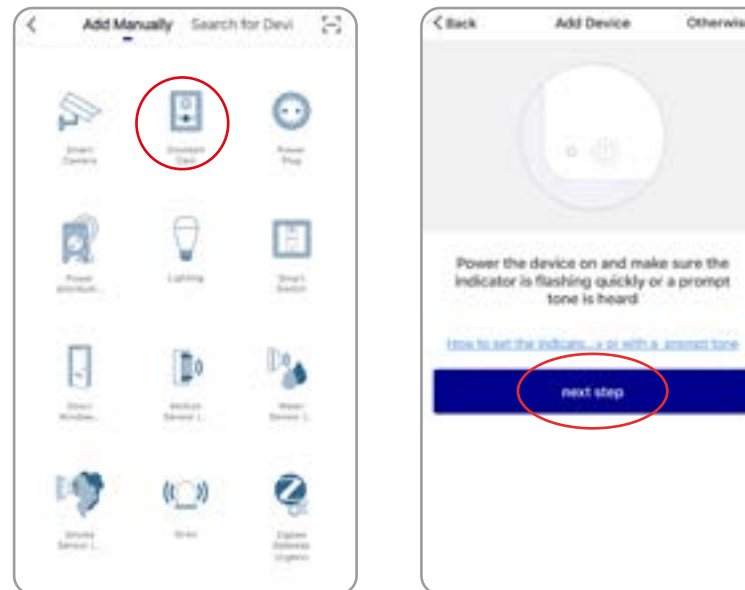
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Connecting the HWC502 doorbell camera.

In most cases there will be a doorbell adapter 8-16V AC already in the house. The diagram below shows what it looks like:

1. Current / old situation

Mechanical Chime

Original Transformer
(not incl, already installed)
230V AC => 8-16V AC

Doorbell
Button

Curren/Old situation

Original Mechanical Chime
When the button is pressed, the bell rings

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Connecting a mechanical chime.
If you still want the chime to "ring" or "ding dong" like before, please install as described below:

2. NEW situation

Chime adapter

HWC 502 Chime adapter   *CALIBER*
AC input: 4-16 V
Batch Nr.: 319145

CALIBER EUROPE BV   CE
Kortakker 10 · 4264 AE Veen · The Netherlands

Mechanical Chime

Original Transformer (not incl, already installed)
230V AC => 8-16V AC

(4)

Bell Settings

● Mechanical
○ Digital
○ None

Doorbell
HWC502

New situation

1. Leave all the original wiring in tact
2. Replace the 'Doorbell button' with the HWC502 doorbell
3. Add the wiring of the 'Chime Adapter' to the wiring on the excisting
   'Mechanical Chime'. One wire added to the '+' and one to the '-'
4. Make sure the 'Bell Settings' in the app is set to 'Mechanical'

Now when the HWC502 doorbell is pressed; the HWC502 makes a ringing sound,
your phone receives a 'call' and the original 'Mechanical Chime' rings

(Phone app)

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Connecting HWC502 with no extra chime

3. No extra Chime
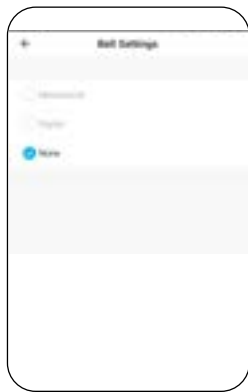
Original Transformer
(not incl, already installed)
230V AC => 8-16V AC

No extra Chime

When the button is pressed, the HWC502 rings on your phone and a sound is heard from the camera's speaker

(Phone app)

Doorbell
HWC502

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Connecting a digital chime.

If you want a chime to "ring" or "ding dong" on any location within the WiFi range, please install as described below. The HWC501CH is sold separately:

4. Digital Chime

(3)

(Phone app)

(4)

(Phone app)

Wireless
Digital Chime
HWC501CH
USB powered 5V DC

Original Transformer
(not incl, already installed)
230V AC => 8-16V AC

Doorbell
HWC502

Digital Chime

1. Replace the 'Doorbell button' with the HWC502 doorbell
2. Remove the wiring from the 'Mechanical Chime' (if one was installed)
3. Make sure the 'Bell Settings' in the app is set to 'Digital'
   App>Homescreen>HWC502> ✎ >Bell Settings>Digital
4. Make sure the indicator LED on the HWC501CH blinks (Press reset once)
4. Connect the Chime in the app
   App>Homescreen>HWC502> ✎ >Bell Settings(2nd)>Digital
   Tap 'Bind'

Now when the HWC502 doorbell is pressed; the HWC502 makes a ringing sound, your phone receives a 'call' and the 'HWC501CH Digital Chime' rings

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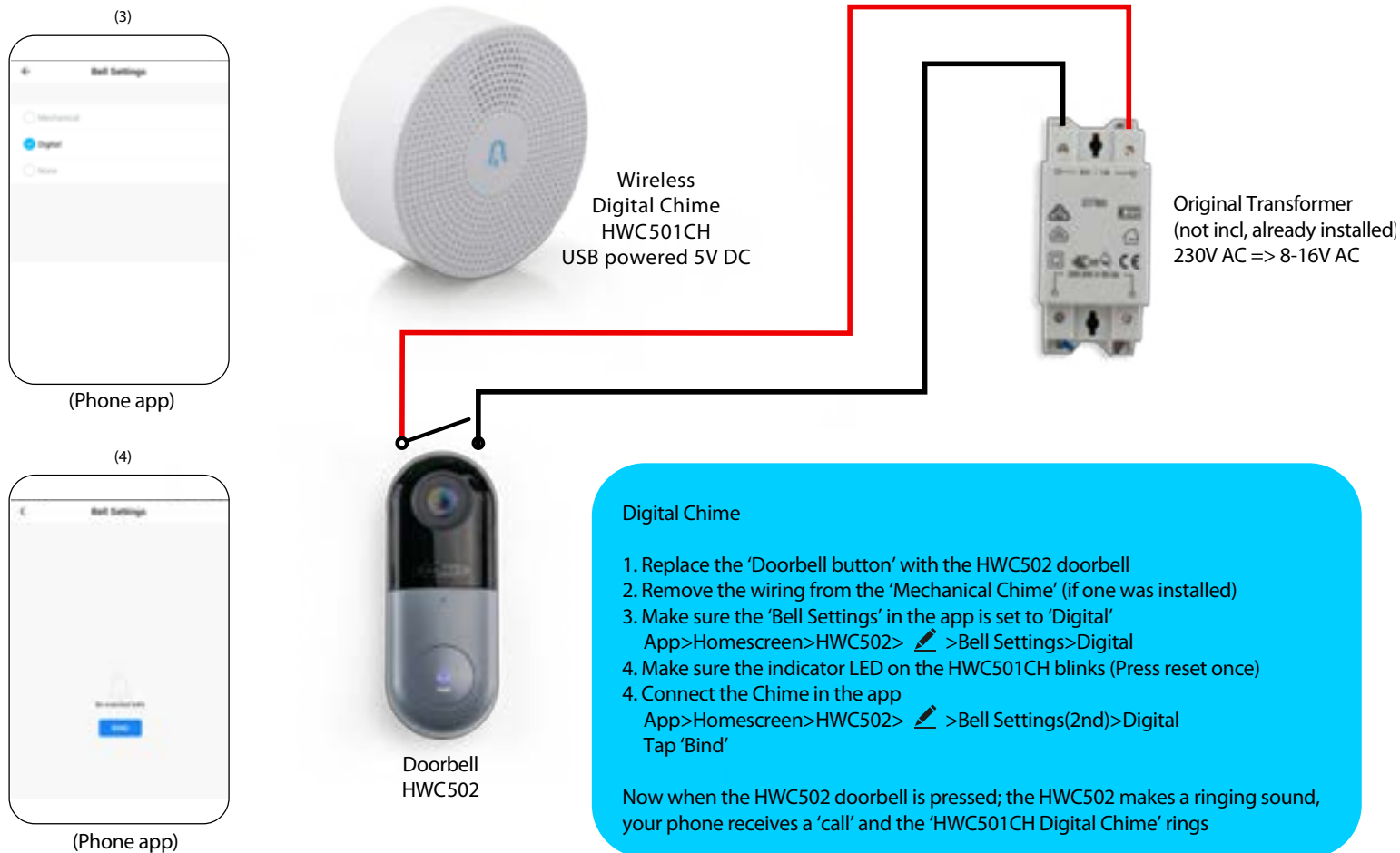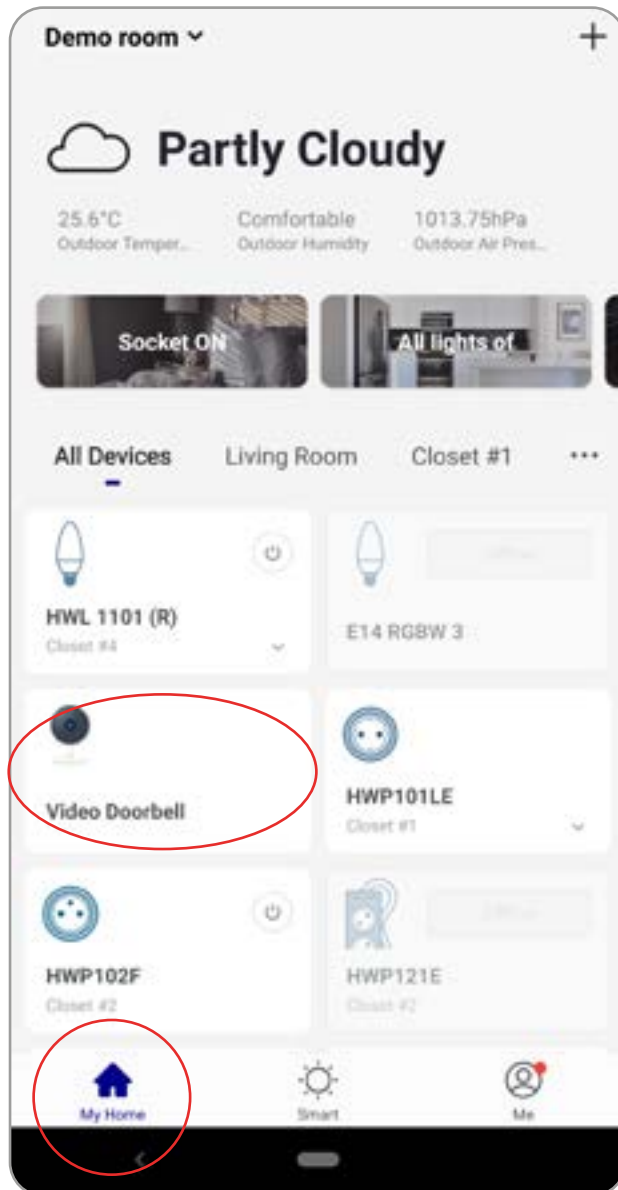
Control device
After the device is connected successfully, tap "My Home" at the bottom. The device name shows in the list. Tap it to enter the control panel of the device (Doorbell cam)

Remarks:
When device is online, operation via shortcuts is supported; When the device is offline, device displays "device is offline" and is greyed out.

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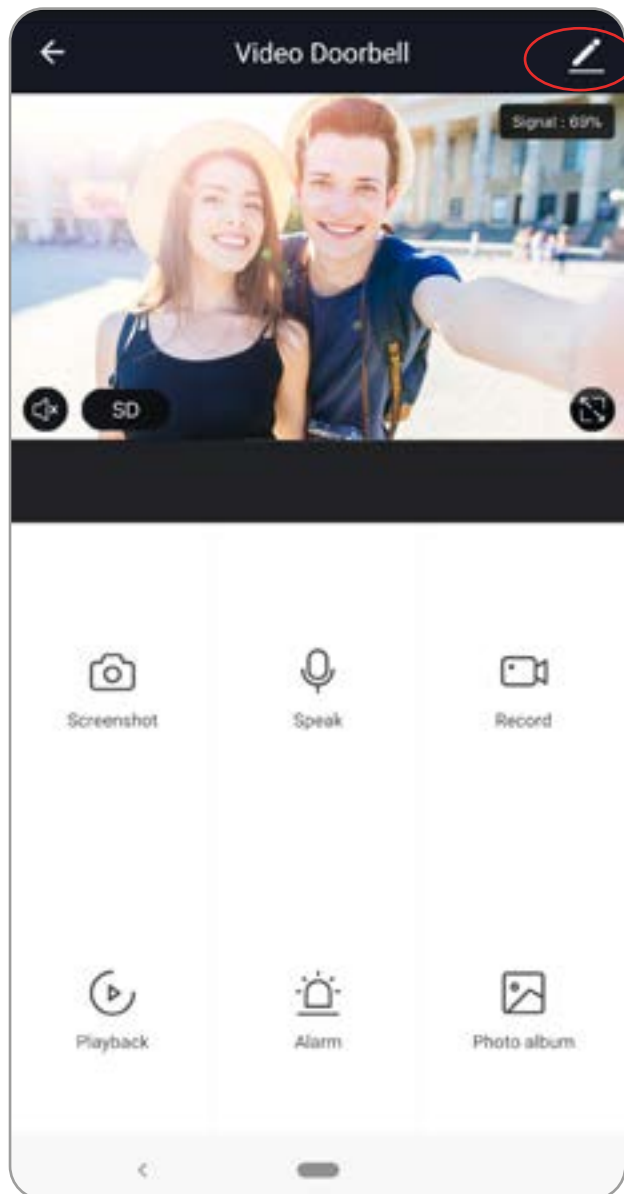
Control device
From this page, all device settings can be altered.
Tap the edit symbol : ✎ or ⋮ to make changes in name, location, share device, Bell Settings, Motion Detection etc.
If there is a firmware update available, check under 'Firmware information' to update the firmware.

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Back to main menu

Edit settings

Mute / unMute audio

Wi-Fi signal strength

Full screen

SD/HD
Select quality
HD uses more data

Record video
Micro SD card required

Screenshot
Micro SD card required

Talk to visitors

Playback
Show recorded
pictues / Video's
Micro SD card required

Exit app

Back to main menu
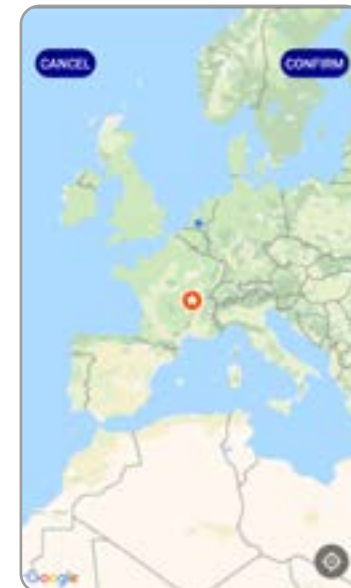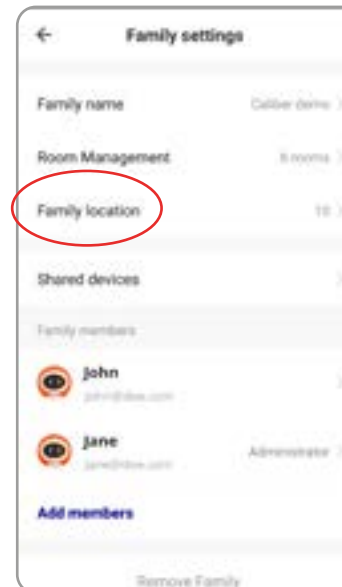
Alarm
Receive a notification
when motion is detected
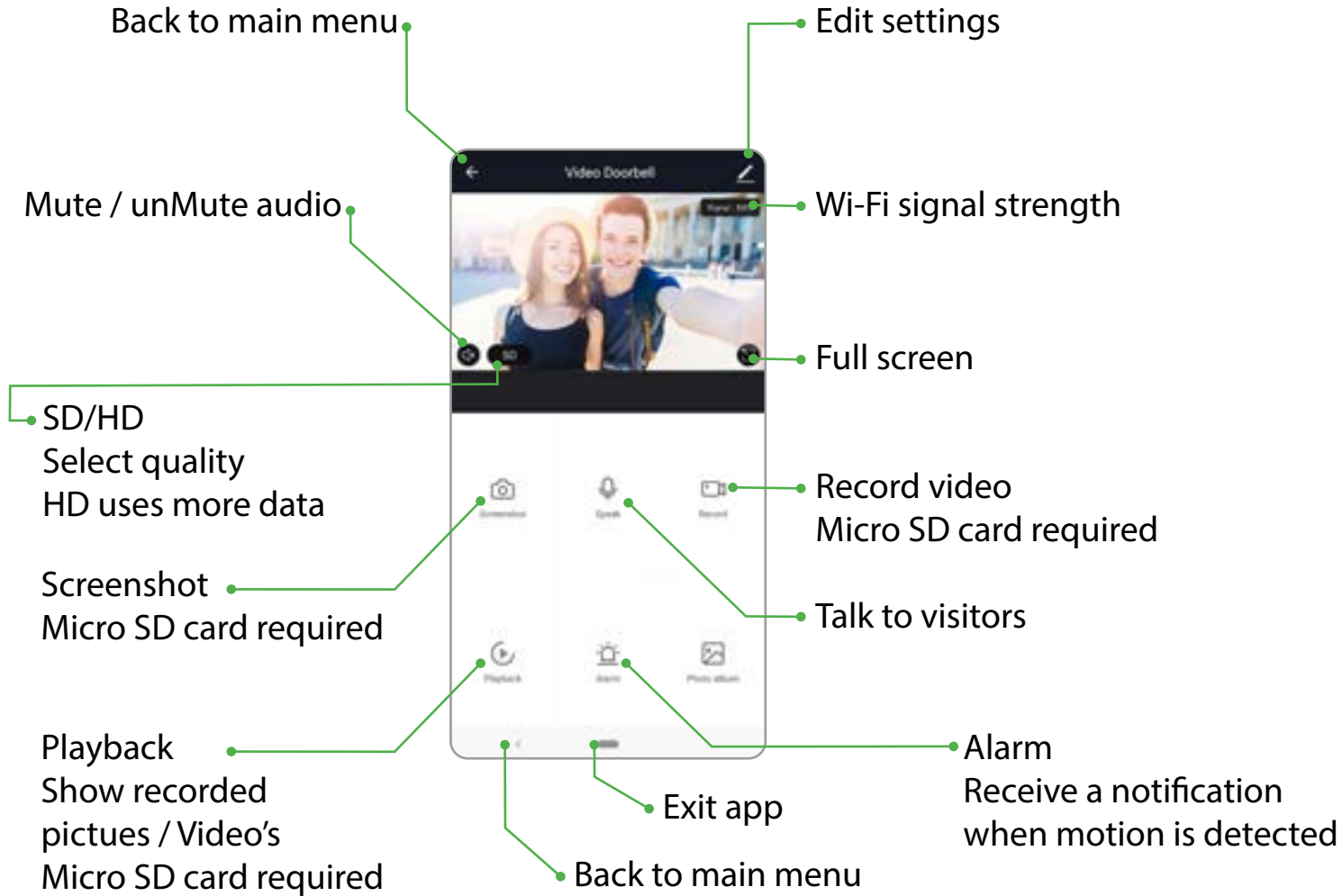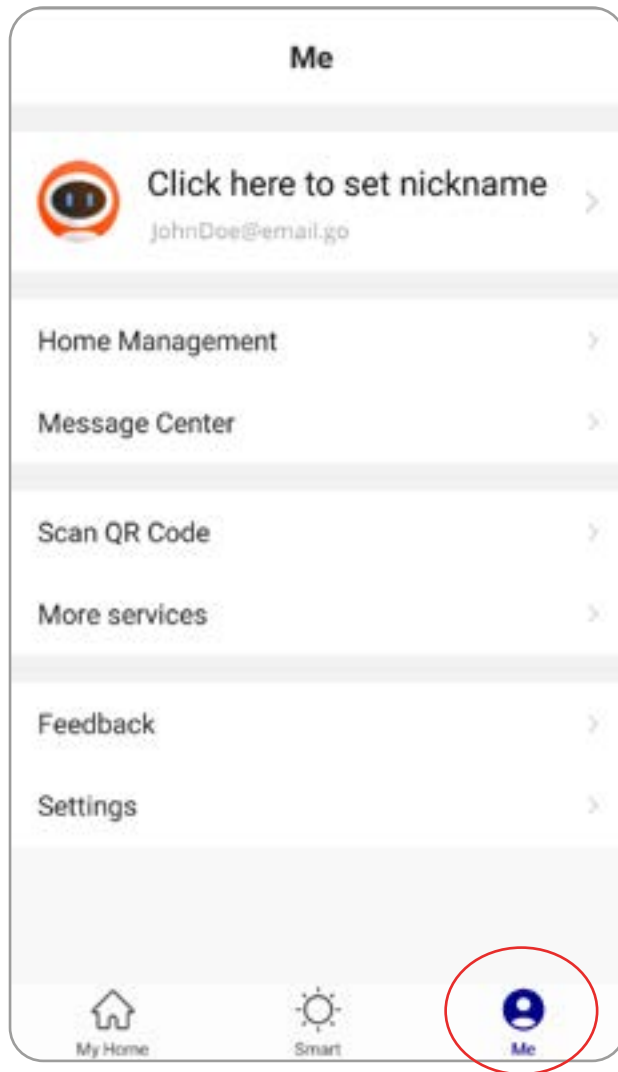
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Profile (Me)

In order to make full use of the functionality of this app and your Caliber Smart Home devices, make your home situation match the situation in the app.

1. Choose family name
2. Manage your rooms
3. Set the location, for area automations
4. Add members to the family

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Scene's

You can combine devices to do 'tasks' in a "scene". Go to Smart (img1)
The next pages describes general information. Some products cannot preform scene's

1. Tap "+" in the upper right of the page to create a new smart scene.
2. Tap "scene" img 2
3. Enter life scene name, add task, tap "Save", as shown in the picture. A smart scene has been created.
3. You can also change the scene you have already created (img1) , change scene name, change task or delete smart scene etc.

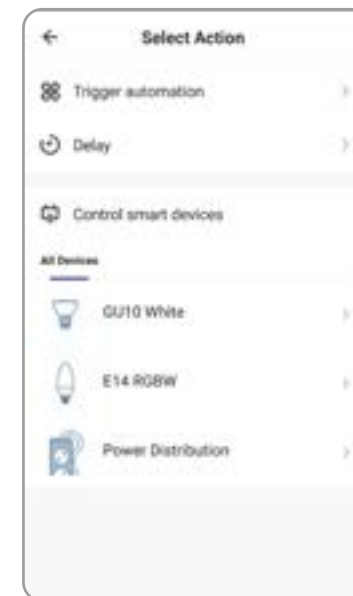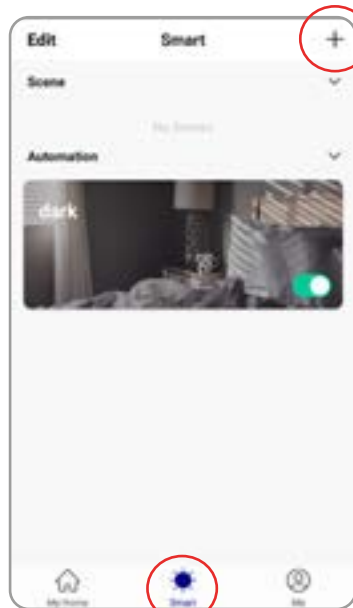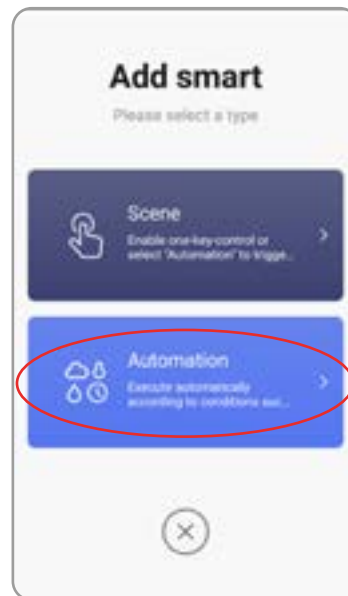img 1   img 2   img 3   img 4

CALIBER
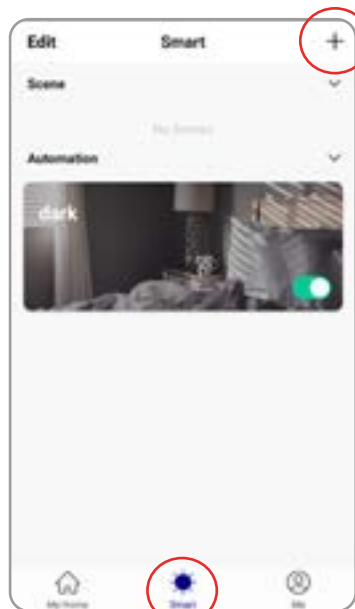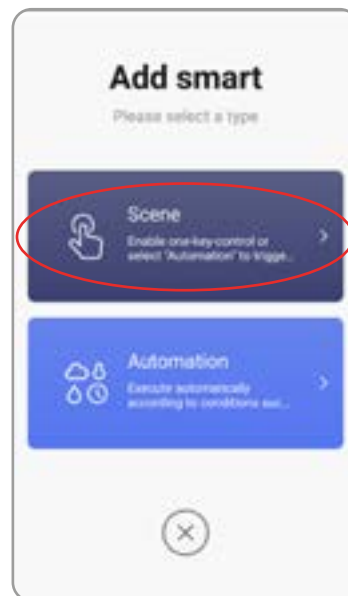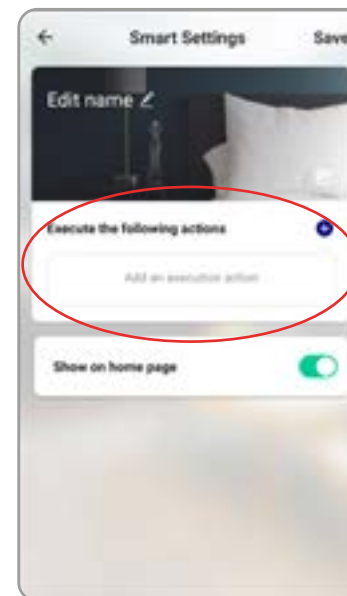
Automation

You can execute automations, when conditions are met.

1. Tap"+" in the upper right of the page to create a new smart scene
2. Tap "Automation"
3. Choose which conditions should be met "img3".
4. Choose what 'task /action' should be executed "img3".
5. img4 shows an example (This might include a different product). The Smart light group "E27 RGBW" switches ON when the sun sets. For this function you need to set your location, see profile.
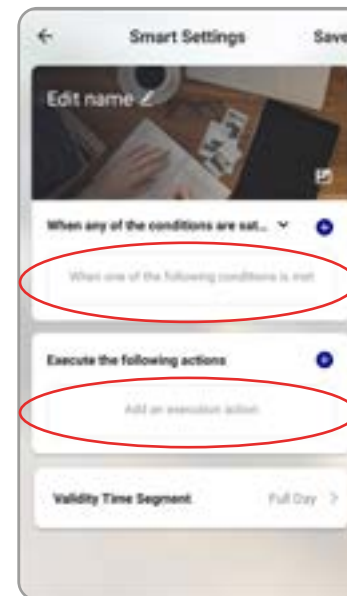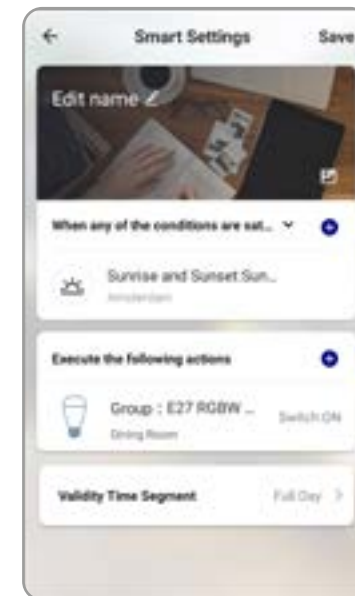
More app functions can be found in our support page

img 1   img 2   img 3   img 4

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Voice control

Most of our Smart Home products support 3rd party voice control. Instructions how to connect can be found in the links below:

Connect with Google Home

Webshop.caliber.nl/media/SmartHome/Caliber_in_GoogleHome.pdf

Connect with Amazon Alexa

Webshop.caliber.nl/media/SmartHome/Caliber_with_Amazon-Alexa.pdf

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Possible reasons why a device cannot be added:

1. The device is not powered on
2. WiFi signal is strong and stable, distance between device and router should be not too far
3. The smartphone cannot connect to WiFi
4. Wifi password not correct
5. The device is in configuration state (When a device needs to be added, you need to bring it into WiFi configuration state)
6. You selected a 5GHz network (with dual band routers) Devices only support 2.4GHz network

Router issues:
1. Encryption mode should be WPA2-PSK type, Authentication type AEX or set to "automatic".
2. Wireless mode cannot be 11n only
3. Max number of connected devices has reached upper limit of router. Disconnect other devices from WiFi

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1. PRODUCT DESCRIPTION
WiFi wireless Door/ Window sensor. It can monitor the status of door / window after proper installation with your smart phone. When it is triggered, such as open, close or tampered, a push notification will be reported to your smart phone.

2. FEATURES
• Works with Amazon Alexa
• Works with Google assistant
• Works with IFTTT
• Working in 2.4G wireless Wi-Fi
• Send notification about 'tampered' event
• Detects the battery level
• Low battery level alarm
• Open/Close history record and record clear

Image sensor	1/3inch 1080p CMOS sensor
Viewing angle	120º
Compression Format	H.264 Main Profile
Night vision	IR power LED
Max.Frame rate	1-25fps
Audio Input	Two way audio Full duplex
Network Protocol	HTTP,DHCP,DNS
WIFI	WiFi802.11b/g/n
	Freq range: 2402-2480 Mhz
	Max e.r.p: <100mW/20dBm
Storage mode	Local storage
Interface	Micro SD/TF,
	support up to 128GB SD
Optional accessories	Wireless chime, mechanical chime
Motion detection	Support motion detection
Power	8-16V AC trough power converter
Working environment	Working Temperature -20~50℃
Camera size	45mm (L) x 26mm (W)x115mm (H)
Installation	Wall mounting
IP rated	IP54

Set consists of: HWC502
              Manual
              Mounting material

We are continuously improving / updating our products and product information. It's therefore possible that there is a slight difference between the description in this manual to the operation of the product.
If something is different or not clear; always check our website for the most current manual version. The (app) images and illustrations used are indicative and may vary per device and version

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Thank you!

Explore our growing number of
smart home products

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