



nowe Wi-Fi Motion Sensor

Switching the future

nowe – MS01W

Product User Manual

Features

- Hubless network
- Android or iOS
- Accessible remotely 3G, 4G
- Elegant design, flexible installations option
- Real-time trigger reporting
- PIR sensor with low power consumption
- Scene control, with other nowe products
- Low battery alerts
- Actions history recording
- 2 x CR123A Battery or USB power option

2 year, limited
Hardware Warranty

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INTRODUCTION

Dear Customer,

A BIG THANK YOU, for choosing our nowe products. Welcome to the family, and to switching the future, enjoy...

Regards,

George Mendes

CEO, Director iHAS, nowe



PRODUCT OVERVIEW

Your nowe Motion Sensor is a Wi-Fi hubless based PIR SMART sensor. Providing you with push notification of movement detecting alerts, device status, and powering levels all from your iHAS app. The nowe Motion Sensor is a key team member of IoT (Internet of things) team nowe assisting with creating your home's automation. Setting Scene actions with other nowe products creates a simple home automation function option. The Sensor now gives you real-time peace of mind security with control and convenience.

PRODUCT STRUCTURE

Diagram 1 – Sensor front

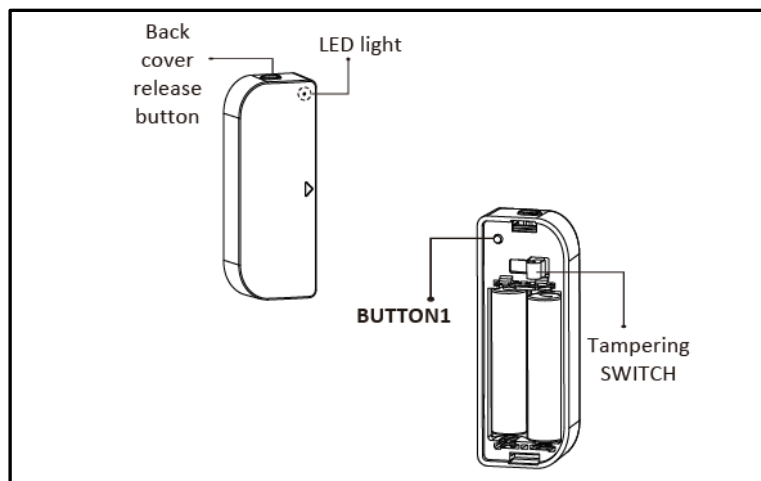
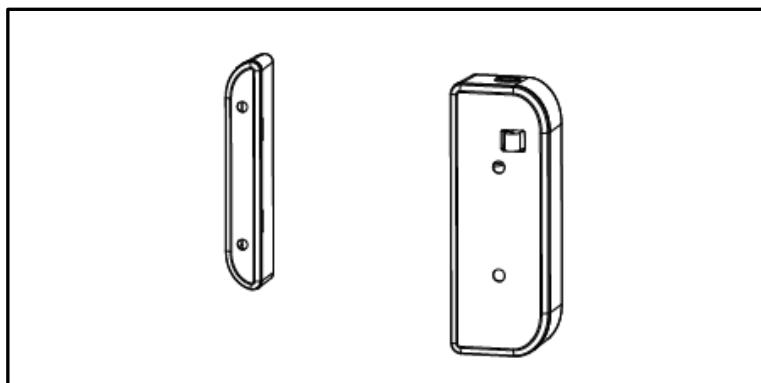


Diagram 2 - Sensor back



WI-FI PAIRING, BUTTON 1, FLASHING LIGHTS

Battery Testing

Insert the batteries (CR123A) provided, then click **BUTTON1**. If the LED light flashes BLUE, the device is working fine, if not, please check or replace batteries.

LED Lighting

In the event of a trigger, the LED light will flash either BLUE if connected to your Wi-Fi, or PURPLE if there is no Wi-Fi connection.

Wi-Fi Pairing

Pressing and holding **BUTTON1** for 5 seconds, this will enter your nowe Motion Sensor into a pairing mode, ready for connecting to your Wi-Fi and through your iHAS app. The LED light will default to blink rapidly.

Note: You'll be able to purchase additional batteries (CR123A) directly from our website, www.ihas.com.au

EASY SETUP



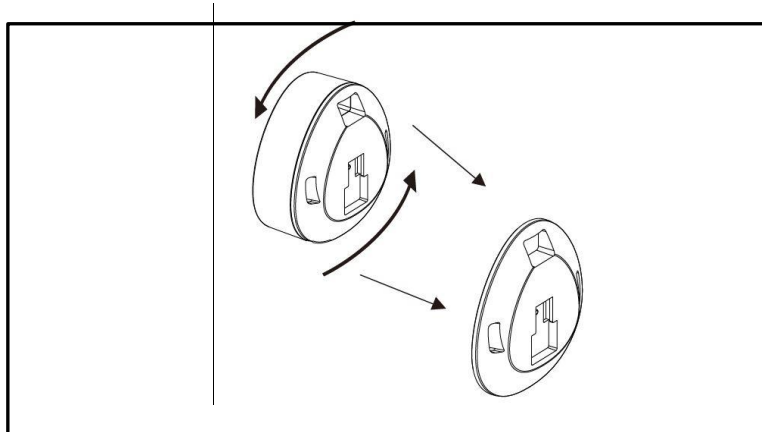
DOWNLOADING THE iHAS APP AND GETTING STARTED...



Simply scan QR codes above to download the iHAS app for Android or iOS. The iHAS app can also be downloaded directly from the Google Play or Apple Store.

MOTION SENSOR POWERING AND INSTALLATIONS

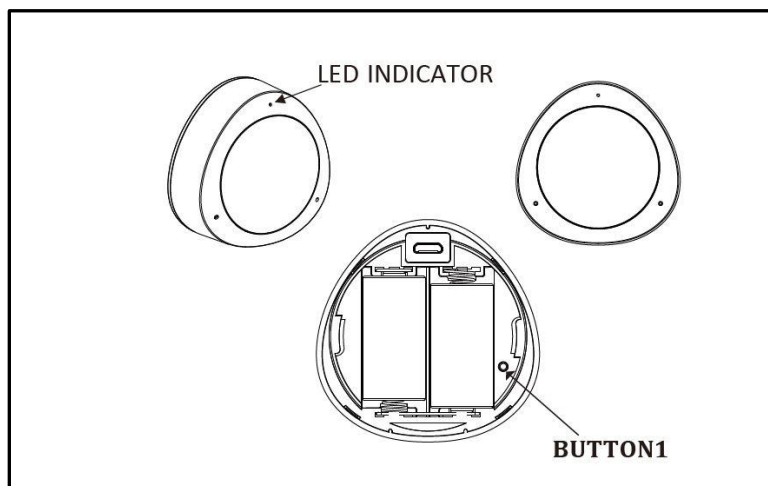
Diagram 3 – Sensor back removal



To open your nowe Motion sensor turn back cover, counter clockwise. - Diagram 3

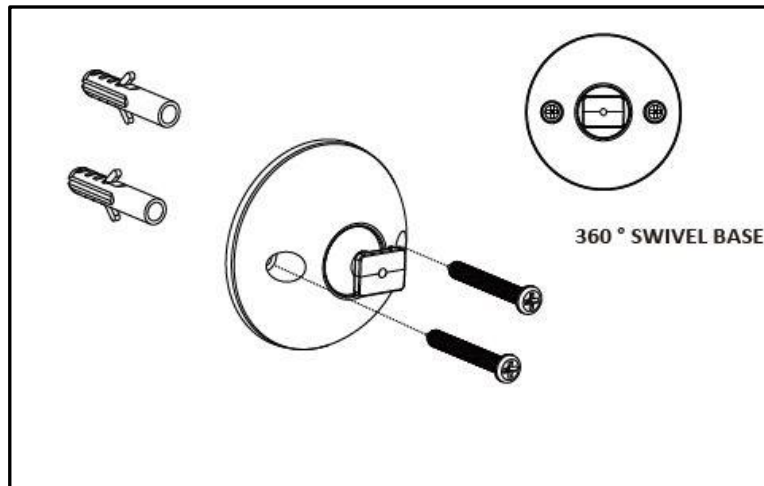
Insert the batteries (CR123A) provided and press **BUTTON1**. If the LED light flashes BLUE, the device is working fine, if not, please check or replace batteries. – Diagram 4

Diagram 4 – 3M tape or screw in



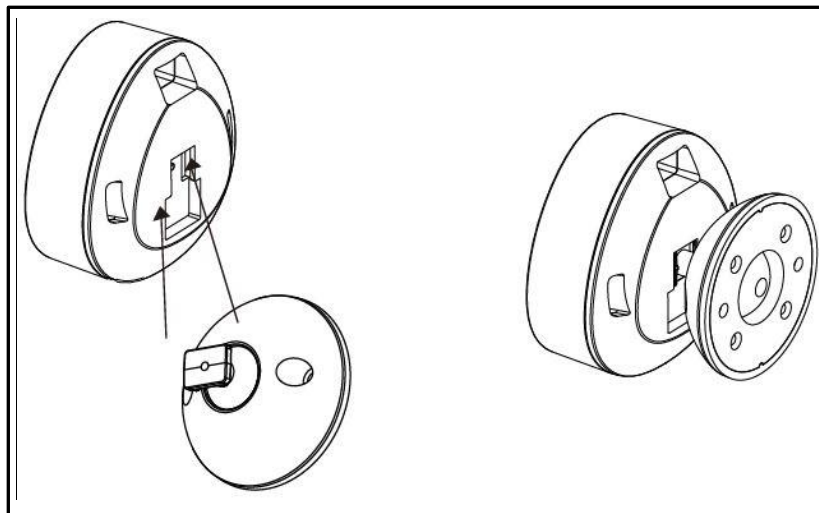
We suggest either methods of screwing-in or using 3M double-sided tape (provided) to mount the nowe Motion Sensor.

Diagram 5 – correct install



When mounting ensure that your nowe Motion Sensor is NOT located where it might be affected by direct hitting bright, Hot Sunlight or knocks and bumps.

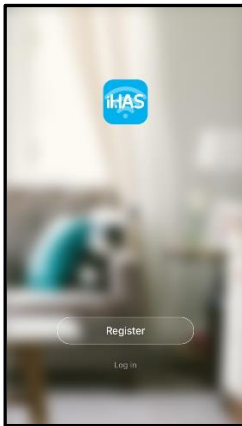
Diagram 6 – mounting



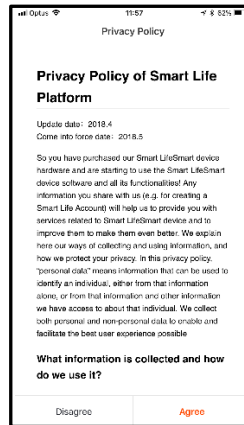
PROFILE REGISTRATION AND ADDING YOUR HOME

Profile Registration

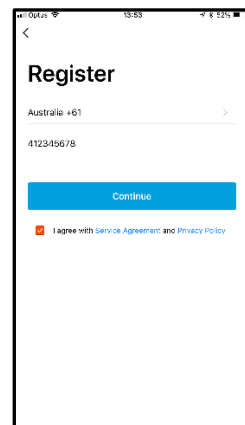
1. Download and launch your iHAS app. Click Register, Read and agree to our privacy policy before you're able to register. (fig 1, 2)
2. Ensure that your country code is +61 (Australia +61), enter your mobile number (less the zero) e.g. 412345678, or your email address then select Continue. (fig 3)
3. You'll be sent an authentication message with your verification code, enter your verification code. (fig 4)
4. Set up a password, then select Done (fig 5)



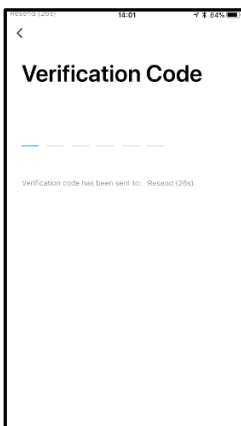
(fig 1)



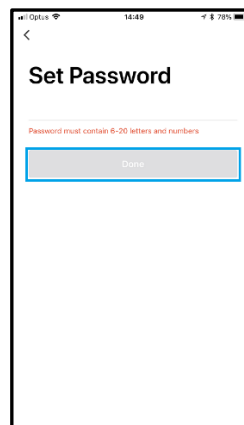
(fig 2)



(fig 3)



(fig 4)



(fig 5)

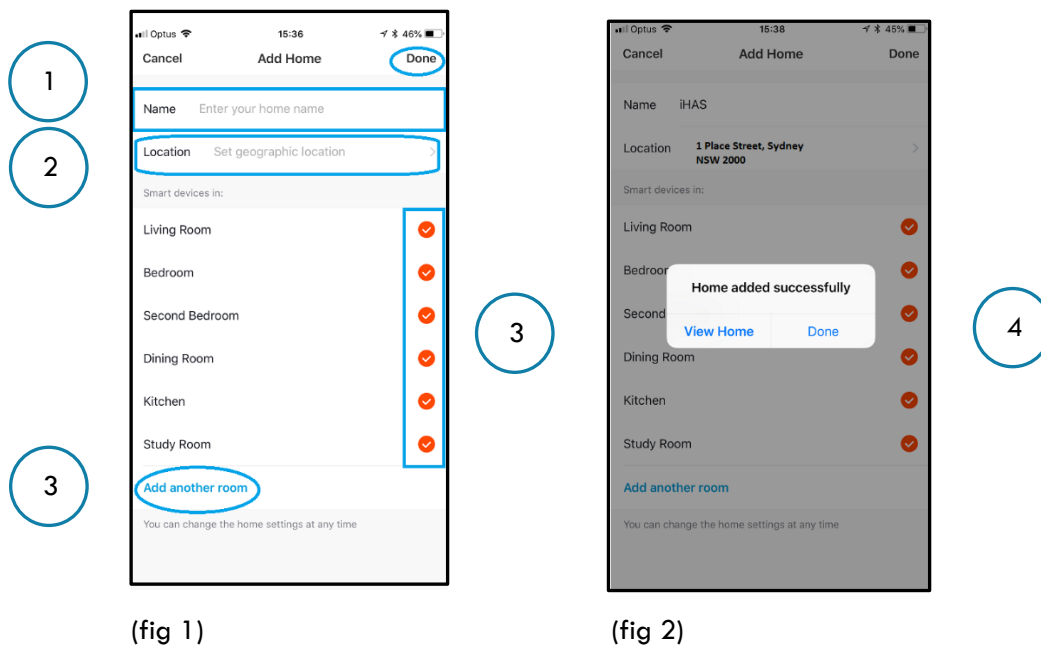


Adding your Home

Once logged in you'll be prompted to give your home an Identity, a name. Giving your home a name assists with setting up your SMART home's automation and also if you choose to add a voice assistant in the future.

1. Give your home a name. (fig 1)
2. An address / location. (fig 1)
3. Add the number of rooms that will have your nowe products (fig 1)
4. Select Done. (fig 2)

This information will assist with better understanding the uniqueness of your home and your selection of SMART nowe IoT products. It will also facilitate if later on you decide to add a home voice assistant in identifying your home.



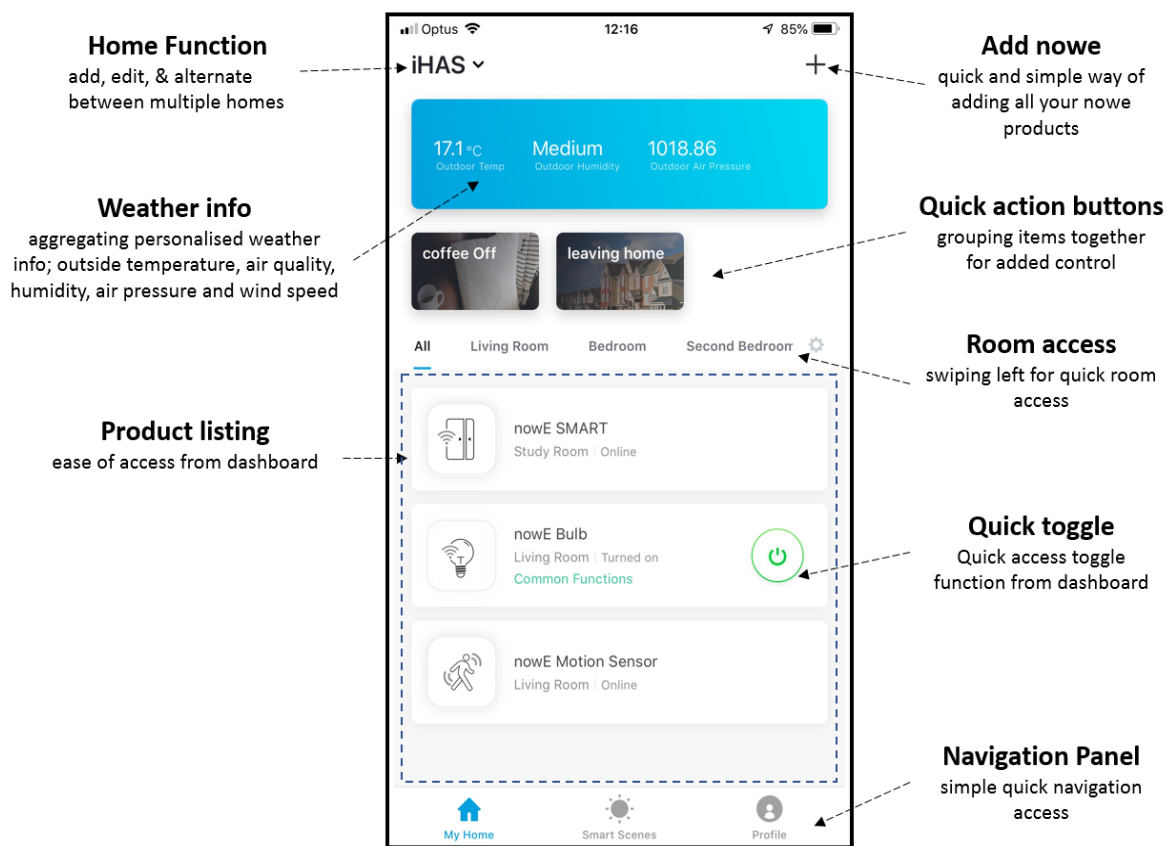
Note: Your iHAS app is able to control multiple SMART home's, all from one login. Please refer to Home Management on page 21 of this user manual.



APP NAVIGATION, MY HOME, SMART SCENES, AND PROFILE

Once you've added your home details, you'll see the My Home screen. In this manual, we refer to the My Home screen as the dashboard screen, because we've put all the essential features in one quick and convenient dashboard style screen.

We've included things like the weather temperature including (outside air quality and humidity) for added functionality. Quick action toggle buttons, common function features, with simple and clarity as our primary focus.




(fig 1)

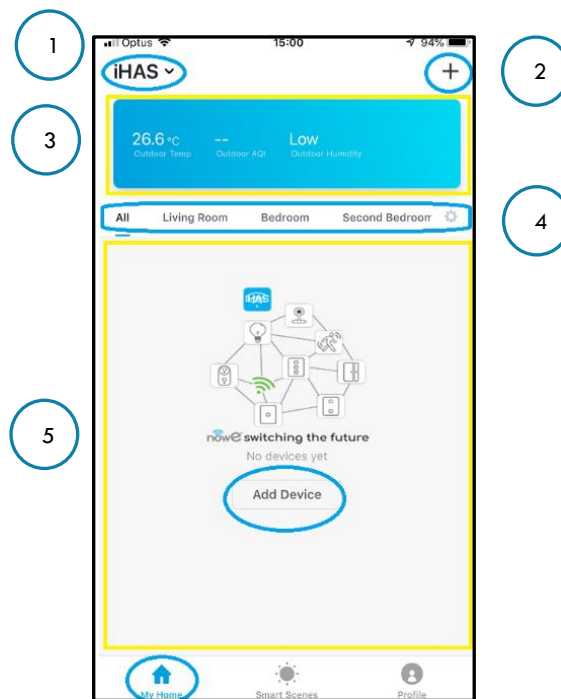
On the bottom of your dashboard screen, you'll see three tabs **My House**, **SMART Scenes** and **Profile**. These three will help you navigate throughout your iHAS app.



My Home

This screen is where all your nowe products will be listed. Quick and simple access control is the key. For further convenience you'll find the following items;

1. Your home's ID – You can add and alternate between multiple SMART home's
2. Select  to add all your new nowe products
3. Location temperature – on the location of your home
4. Room quick access – by swiping left you can access each room listed devices
5. Your nowe product – dashboard style, showing you all your products regardless of their room allocation. (fig 1)




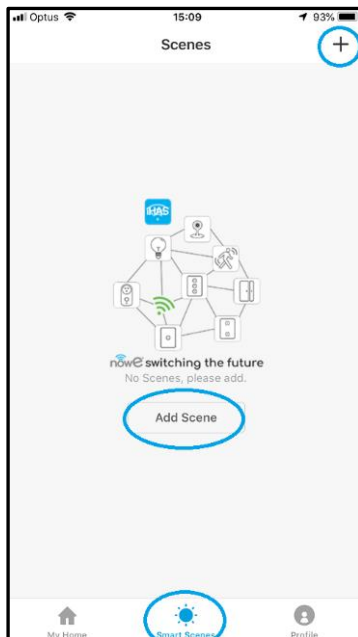
(fig 1)



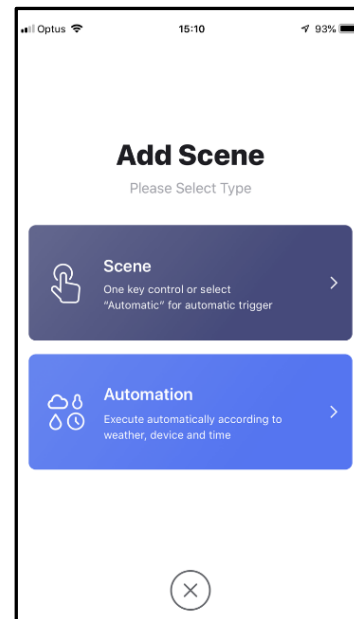
SMART Scenes

The SMART Scenes is where you'll be able to add, create & edit all of your home's SMART scenes functions. SMART Scene functions form part of the automation of your home, and it assists with adding the IQ to your home. It's how all your nowe products will come together to understand your home's automation requirements. It's all about creating a secure peace of mind, that's convenient and functional.

Select  to add scenes.



(fig 1)



(fig 2)

You'll have the following two options Scene and Automation. These two functions will be the primary drive in creating your home's SMART automation conveniences. (fig 2)

- a. **Automation** – includes the following automation.
 - i. **Temperature**
 - ii. **Humidity**
 - iii. **Weather**
 - iv. **Air Quality**
 - v. **Sunrise/Sunset**
 - vi. **Schedule**
 - vii. **Devices**
- b. **Scenes** – adds the function of automatic triggers.

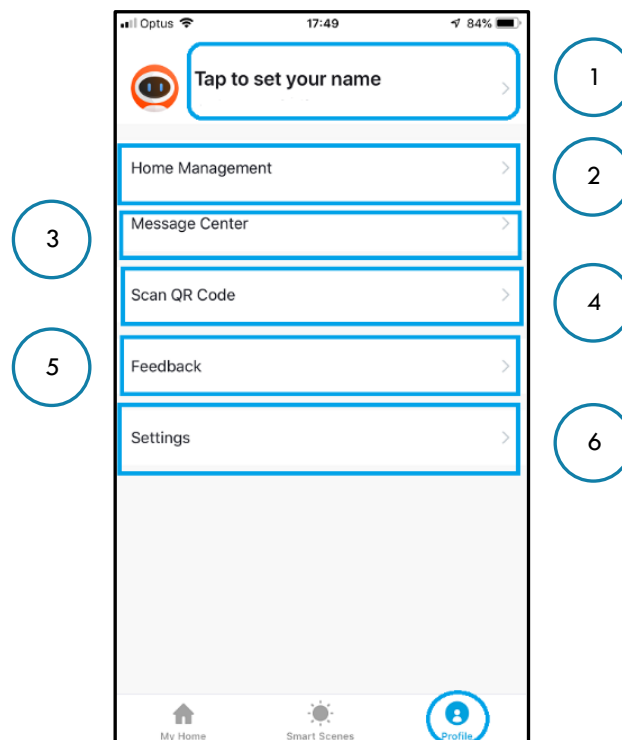
Note: For detailed examples and explanation of the SMART Scenes and their functions please refer to SMART Scenario setup on page 16 of this user manual.



Profile

Your Profile tab is all about you, your home, owner settings and details. You'll find the following items; (fig 1)

1. **Tap to set your name** – Profile details, Unit settings, Time zone, edit login details, log out of account
2. **Home Management** – Add, edit the details of your home
3. **Message Centre** – Receive device notification alerts
4. **Scan QR Code** – Scanning QR product codes for manuals
5. **Feedback** – Getting in touch with feedback
6. **Settings** – Configuration and user preference (fig 1)




(fig 1)

Note: For more detailed profile setup and app configuration please refer to My Profile setup on page 17 of this user manual.



PAIRING, ADDING, EDITING, AND DEVICE CONTROL

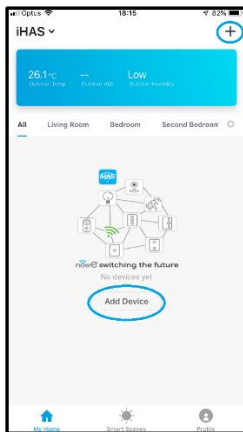
Pairing/adding

1. Select My Home tab
2. Select  at the top right of the screen (fig 1)
3. Choose the nowe Motion Sensor from the product list (fig 2)
4. Ensure your nowe Motion Sensor is switched ON and still in pairing mode. (LED light is blinking rapidly) (fig 3)
5. Click Confirm, Sensor blinks rapidly (fig 3)
6. Wi-Fi Password screen will follow, enter your Wi-Fi Password, select Confirm (fig 4)
7. A Connecting Now screen will run until 100%, followed by Device Successfully Added screen

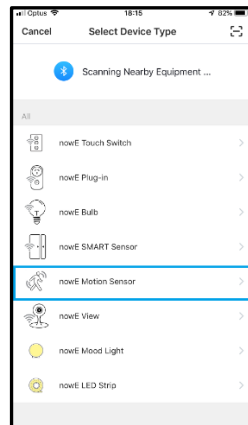
Congratulations you've added your nowe Motion Sensor. Enjoy...

Note: If your Sensor isn't blinking rapidly, enter it back into pairing mode by pressing and holding down **BUTTON1** for 5 seconds, then select Confirm, Sensor blinks rapidly.

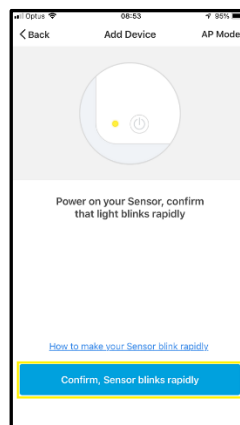
Note: Failing to connect, please refer to the Troubleshooting – Failing to connect on page 24 of this user manual. Also, please check your internet connection, then check your Wi-Fi router, it could mean that your Wi-Fi is unstable.



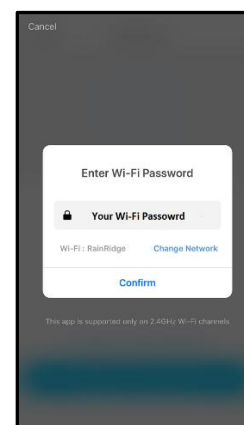
(fig 1)



(fig 2)



(fig 3)



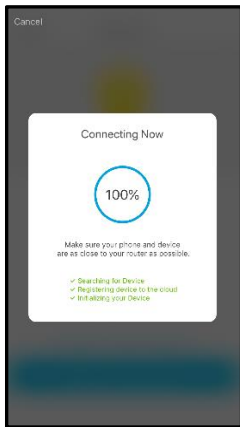
(fig 4)

Editing

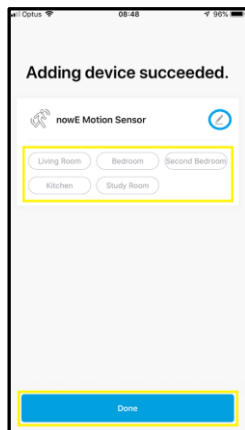
We know that all home's are unique as their owners. Therefore, once you've successfully added your Sensor, you'll have the option of customising your Sensors name. Change it to whatever you'd like, or keep it as nowe Motion Sensor, it works for us!

1. Select the pencil icon on the adding device succeeded screen to customise your nowe products name. (fig 6, 7)

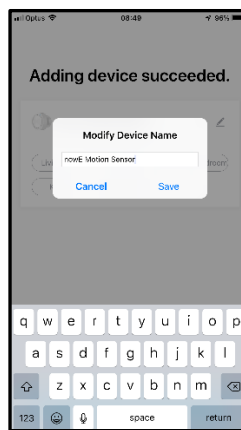




(fig 5)



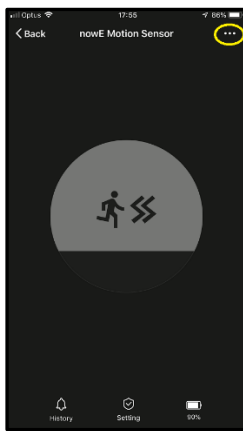
(fig 6)



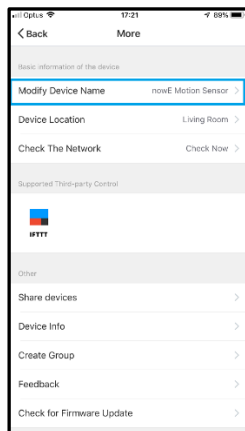
(fig 7)

Editing your Sensors name – it's simple.

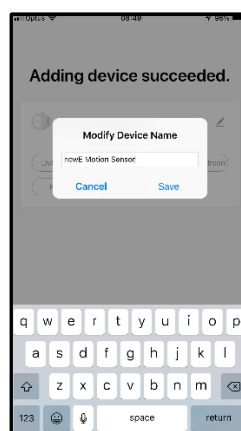
1. In the dashboard screen select the nowe Motion Sensor
2. Select “•••” in the top right side of the Sensors main screen. (fig 1)
3. Select modify device name (fig 2, 3)
4. click Save.



(fig 1)



(fig 2)



(fig 3)

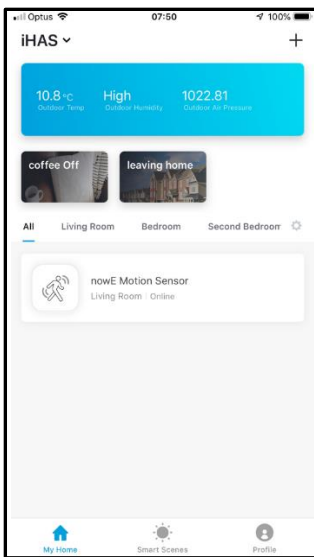
Device Control

Now that you've added your nowe Motion Sensor, you'll find that you can quickly access your Motion Sensor directly the dashboard.

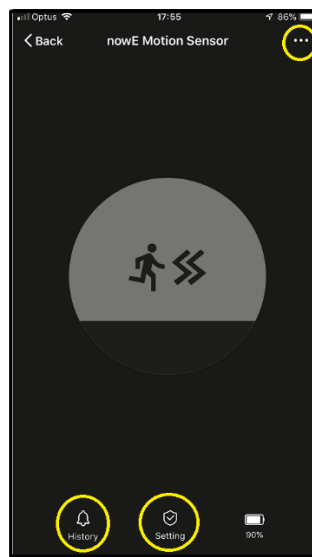
1. Select your Motion Sensors main screen – By pressing on Sensors name from the dashboard screen you're able to access the following; (fig 2)
 - a. **Detections Alerts** - Motion detection notifications
 - b. **Tampers Alerts** - Device tampering notifications



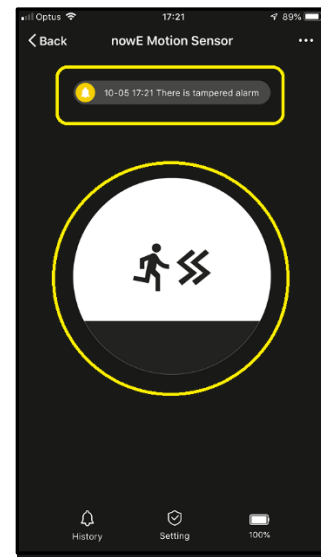
- c. **History** - Records a timed event of all your triggers/detection (fig 5)
 - d. **Setting** - Tampering detection and low battery indicator options (fig 6)
 - e. **Battery** - Percentage of remaining battery & power status (fig 2)
2. Sharing Devices & Group control – Select the “...” in the top right corner of the Sensor’s main screen, and select “Share device” for sharing with other family members. Or select “Create Group” for Simultaneously controlling selected items with one touch (fig 3)
 3. Device info - select “...” from the Sensor’s main screen for Sensors info; **Virtual ID, IP address, Mac address, Device firmware version & updates, Remove Device**



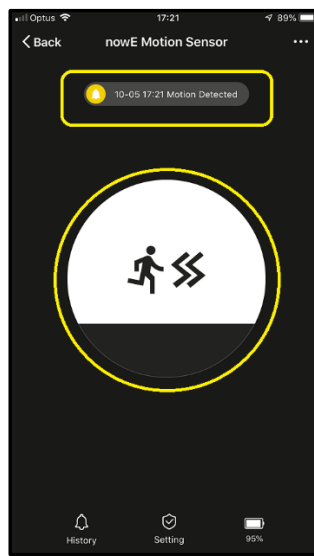
(fig 1)



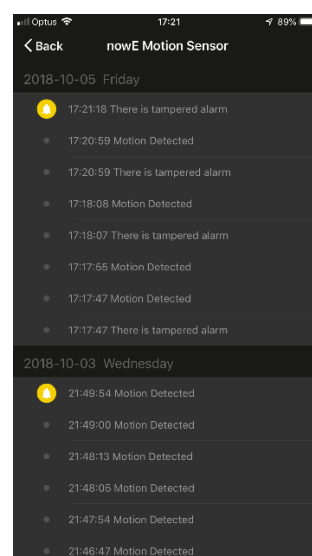
(fig 2)



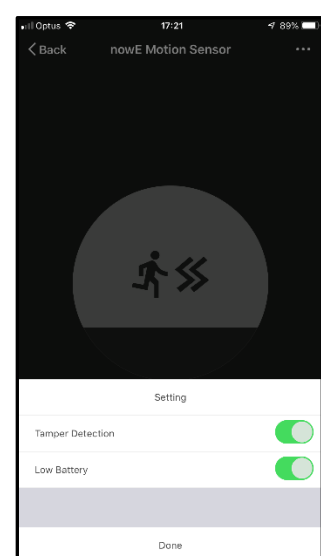
(fig 3)



(fig 4)

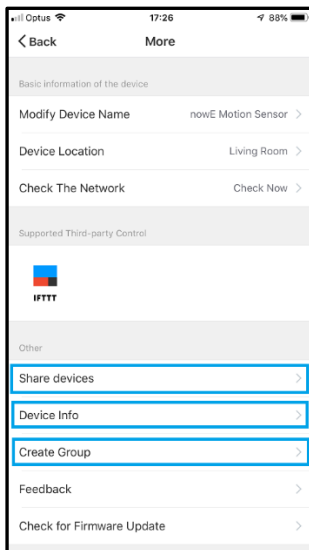


(fig 5)

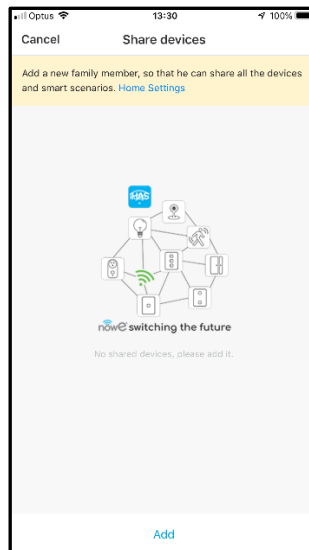


(fig 6)





(fig 7)



(fig 8)

SMART SCENARIO SETUP

Automation

Let's get a clear understanding of what is meant by automation. SMART home automation is a solution of technological systems that enable electronic tasks/functions within the home. To best achieve this seamless control of appliances/devices iHAS has employed several conditional measurements to facilitate with your automation requirements.

Condition	Measures
Temperature	below, equal to, above
Humidity	low, medium, high
Weather	sunny, cloudy, rain, snow
Air quality	good, moderate, bad
Sunrise/Sunset	rise, set
Schedule	daily repeat, set time
Devices	always adding new and exciting appliances

So, when creating your automation scene at least one of the above conditions is required to measure how a task/function is automated and when it's executed. You also have the option of adding more than one conditions to measure the automation of tasks/functions.

If you choose multiple conditions, you'll still have the option of the automation being performed with only one condition being satisfied or you can elect to have all conditions met before performing the task/function. Pretty cool?



An example; Let's start with our most common condition used, the Sunrise/Sunset. In this condition there are two calculated measures;


- **Sunrise – what time does the sunrise?**
- **Sunset – what does the sunset?**

The SMART in the iHAS app and devices uses your home's location to determine when in your area the **sunrises** and **sunsets** to then be able to perform the following;

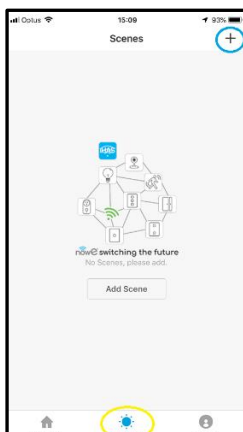
- **Option 1 – Having your Living room lights turn on upon sunset**
- **Option 2 - Turning your office lights ON at sunrise and then OFF at sunset**

A simple and convenient way of saving on energy costs but at the same time looking after our lovely planet without the added requirements for costly electrical installation.

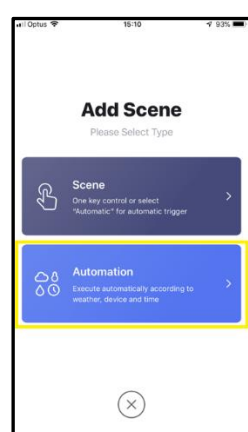
Now that you've added your nowe Motion Sensor let's create a simple automation scene that determines when the sun rises or sets at your place and executes your nowe product to act accordingly. It's the common Sunrise/Sunset function. You'll find that we've developed some SMART scenarios/ tasks that bring your nowe products to life that's intelligent and convenient.

1. Select your SMART Scene tab
2. Select  at the top right of the screen
3. Choose Automation
4. Give your scene a name "Sensor Sunrise", select confirm
5. Add a condition, select "Sunrise/Sunset" from your options list
6. Confirm your location, and select "Sunrise", then Next
7. Select what product you'd like to execute the Sunset function, "nowe Plug-in"
8. Select "Switch", select "On", then click save!

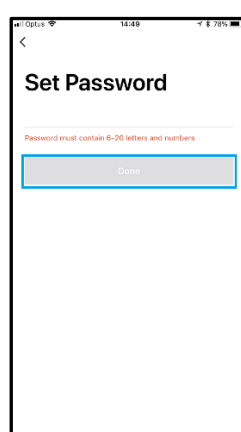
Congratulations you've added your first automated scene, simple hey? Now enjoy...



(fig 1)



(fig 2)

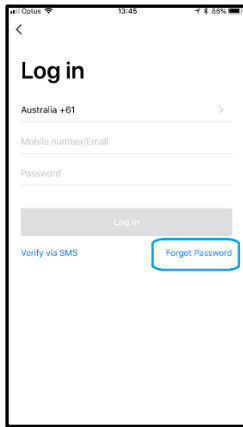


(fig 3)

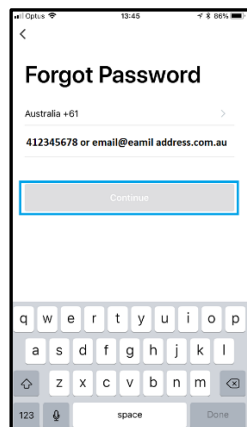


(fig 4)

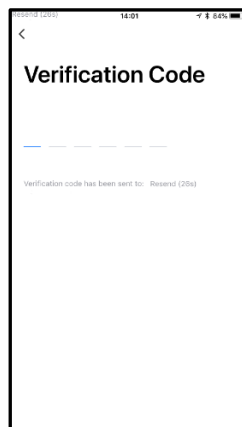




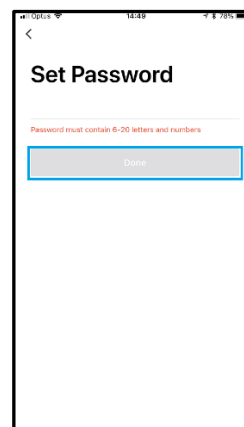
(fig 5)



(fig 6)




(fig 7)



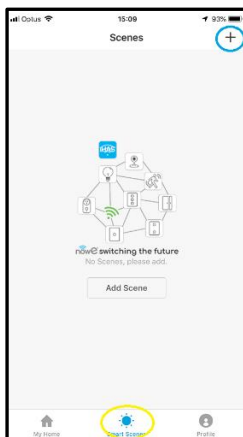
(fig 8)

Scenes

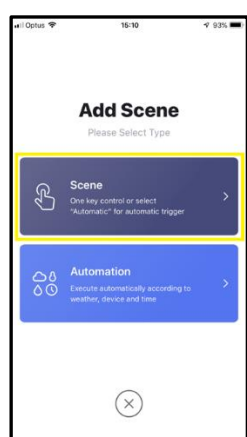
Now that you've created your Automated scene let's create a simple trigger scene switch, it acts as a toggle switch. Let's create a switch to turn the nowe bulb OFF. You can also from a convenience point elect to have your switch displayed on your main dashboard.

1. Select your SMART Scene tab
2. Select  at the top right of the screen.
3. Choose Scene.
4. Give your scene a name "Coffee off"
5. Add an execution action, select the bulb from your option list
6. Choose what action you'd like your bulb to execute "off"
7. Select whether you'd like it on your dashboard screen
8. Remember to select Save.

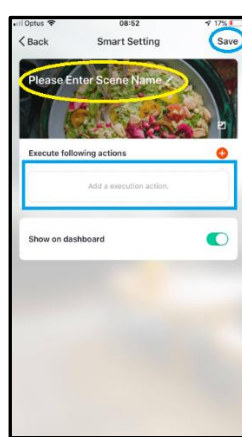
Congratulations you've added your trigger scene, simple hey? Now enjoy...



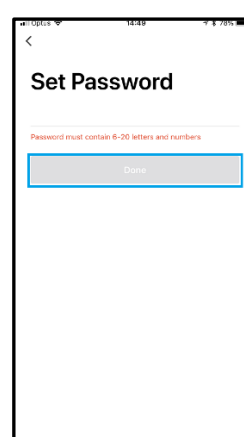
(fig 1)



(fig 2)

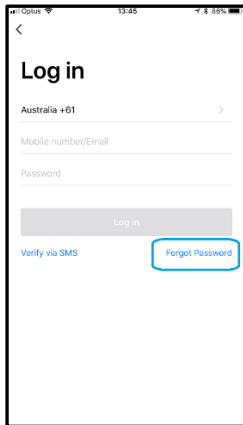


(fig 3)

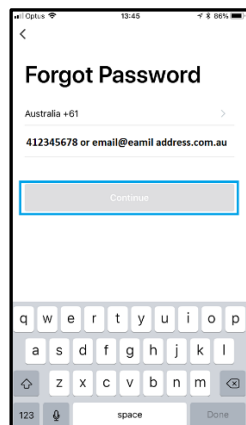


(fig 4)

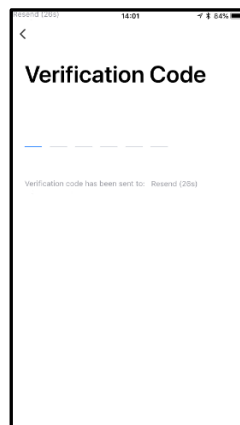




(fig 5)



(fig 6)



(fig 7)

Congratulations, you've managed to create an automation scene that will switch the nowe bulb ON upon sunsets. You've also created a shortcut trigger switch that will switch OFF the nowe bulb when selected, all at a touch of a button.

These are just some of the cool and convenient benefits of having a SMART nowe home. There are heaps more convenient functions available. Have a play and see what else you can create today.... Enjoy.

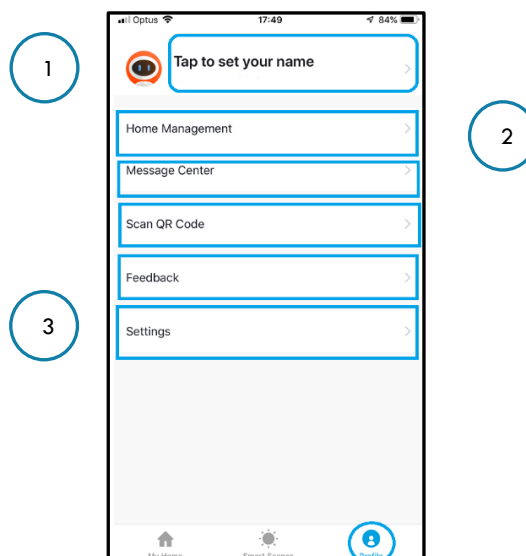
Note: For more convenient functions check out www.ihas.com.au

MY PROFILE, APP CONFIGURATION, GESTURE CONTROL

Profile

Your Profile tab is an all-important tab. It's where you're able to add your unique customisation to your iHAS apps. To make it yours, and maximising your experience and feel of home automation.

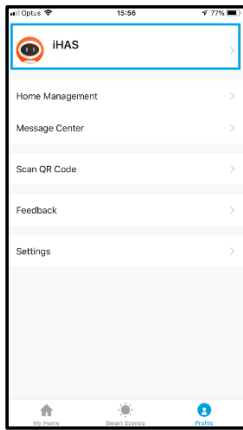
1. My Profile
2. Home Management
3. Settings



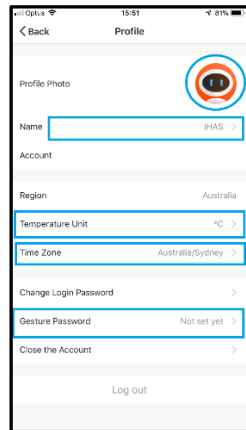
My Profile

In the Profile tab is where you'll be able to customise your iHAS app settings and profile ID requirements;

1. Tap set name – at the very top of the screen
2. Input your name – add your name and even an image (fig 2)
3. Account – will either be your mobile number or email details depending which you use to login
4. Region – it will automatically select your region
5. Temperature reading – choose between Celsius or Fahrenheit
6. Time Zone – select your time zone
7. Change login password – options for updating and changing your password
8. Gesture password – for extra security and peace of mind
9. Close app account – Selecting this will delete your iHAS account.
10. Log out



(fig 1)



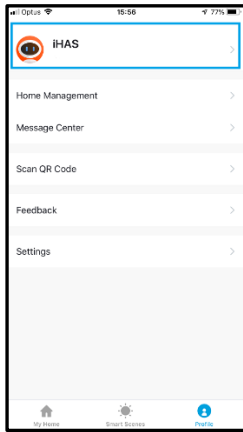
(fig 2)

Gesture password locking

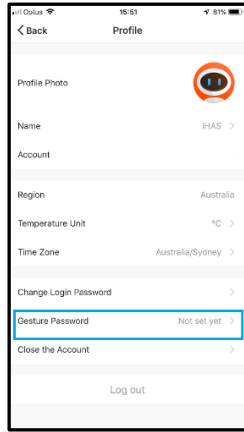
We strongly suggest that you go ahead and create a gesture password locking function. It will add an extra level of added security in the event of your mobile device being left unattended. Then no one will be able to access your SMART home's automation.

1. Click on Profile tab
2. Tap on set your name (fig 1)
3. Select Gesture password (fig 2)
4. Add, and confirm your gesture selection (fig 3)
5. Done

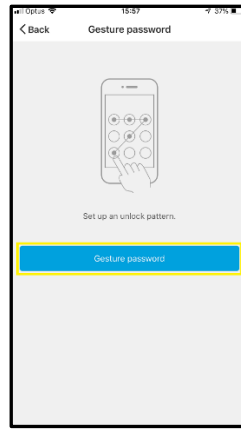




(fig 1)



(fig 2)



(fig 3)

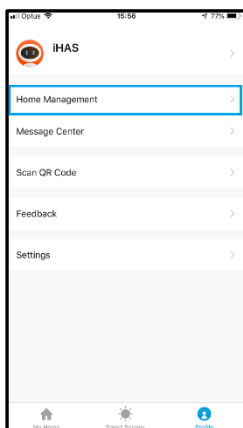
Home Management

Your iHAS app has the intelligence of controlling multiple home automation all from the one iHAS app. Creating convenience of alternating between dwellings and their devices quickly and simply.

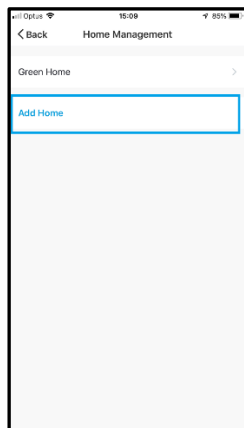
An example; Say you've called your current home "Green Home" and also would like to add your additional home, your holiday house "Brown Home."

1. Select your Profile icon
2. Select Home Management (fig 1)
3. Select Add Home (fig2)
4. Give your home a name & location (fig 3)
5. Select the room configuration (fig 3)
6. Select Done

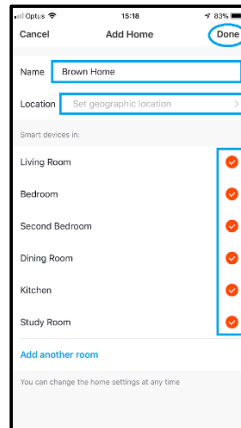
Now go back to the dashboard screen, in the top left select from the drop-down menu which home you'd like to control, Green or Brown Home. (fig 4, 5). Simple and intuitive, iHAS, now.



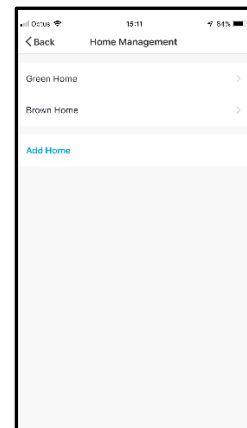
(fig 1)



(fig 2)

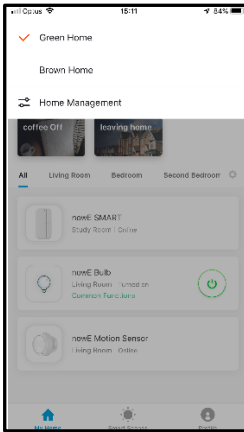


(fig 3)



(fig 4)



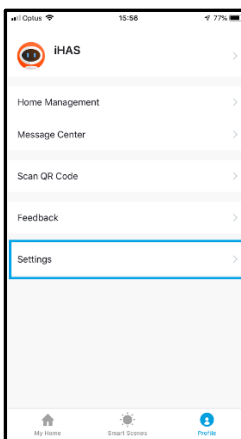


(fig 5)

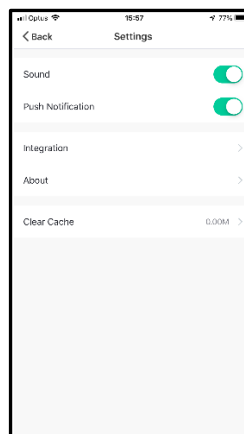
Settings

Customisation access to your iHAS app sounds, push notifications. It also identifies your iHAS app version the software and gives you the ability to rate your iHAS app. I know people are always asking for you to rate us. However, this is important for us as it helps us understand whether we're on the right track in our views on servicing and development.

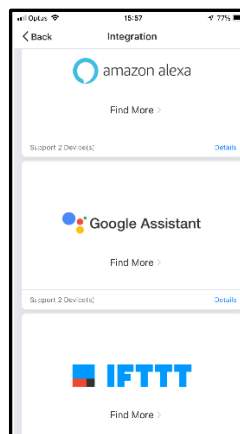
1. Select the Profile tab
2. Select Settings (fig 1)
3. Sound (fig 2)
4. Push notifications (fig 2)
5. Integration (fig 3)
6. About (fig 4)
7. Clear Cache



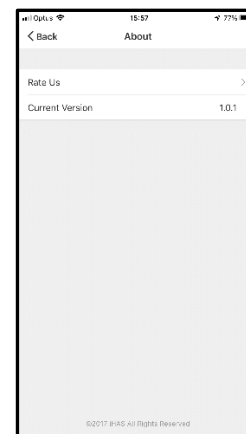
(fig 1)



(fig 2)



(fig 3)



(fig 4)



Trouble shooting, Failure to pair, Password retrieval

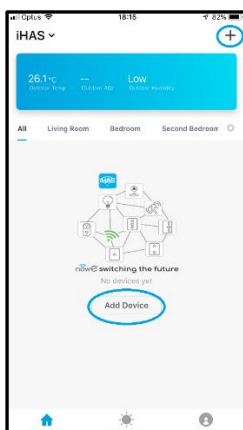
Failing to pair, pairing in AP Mode

1. Ensure your Motion Sensor is switched ON, and in pairing mode with the LED light blinking rapidly.

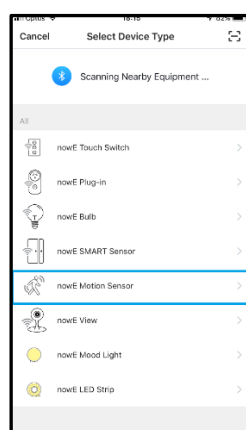
Note: If your Sensor isn't blinking rapidly, enter it back into pairing mode by pressing and holding down **BUTTON1** for 5 seconds, then select Confirm, Sensor blinks rapidly.

2. Once your Sensors LED light is blinking rapidly, you'll need to press and holding down **BUTTON1** for additional 5 seconds, this will enter your Sensor into **AP Mode (Access Point)** pairing mode. You'll know your Sensor is in **AP MODE** as the LED light will start blinking slowly.
3. Select **My Home** icon on your dashboard screen, then choose **Add Device**, select **nowe Motion Sensor**, from the nowe product list, this time select **AP MODE** in the top right corner, ensuring that your Sensor is still in AP pairing mode by LED blinking slowly, select **Confirm Sensor blinks slowly** (fig 2, 3, 4)
4. **Wi-Fi Password** screen will follow, enter your **Wi-Fi Password** and select **Confirm**. (fig 5)
5. **A Connect phone to the device's Wi-Fi** screen will follow. On your Mobile device Wi-Fi, select your **Sensors AP name** which will look something like **nowe-XXXX** then return to your iHAS app. (fig 6)
6. A **Connecting Now** screen will run until 100%, followed by a **Device Successfully Added** screen. (fig 7, 8)

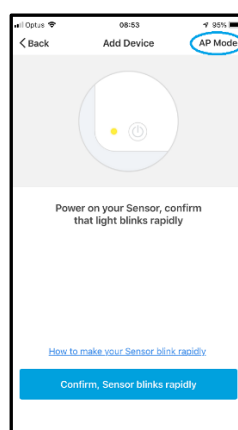
Congratulations you've added your nowe Motion Sensor. Enjoy...



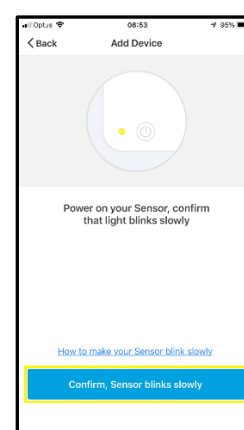
(fig 1)



(fig 2)

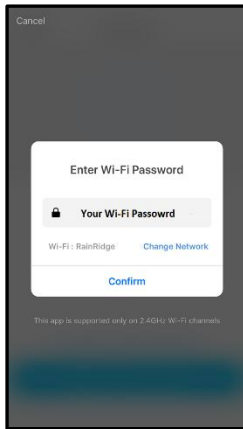


(fig 3)

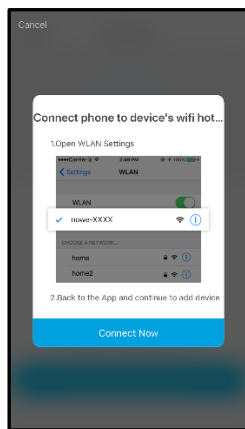


(fig 4)

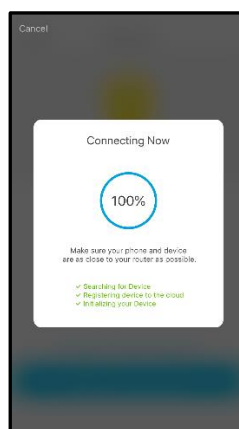




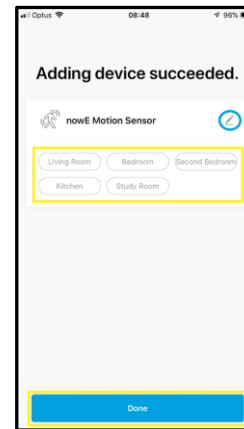
(fig 5)



(fig 6)



(fig 7)



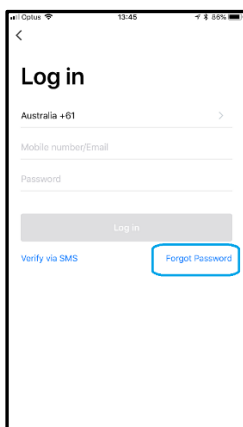
(fig 8)

Note: Having to add your nowe products in AP Mode could mean that your Wi-Fi is unstable. Please check your Wi-Fi router settings and also consult with your (ISP) internet service provider.

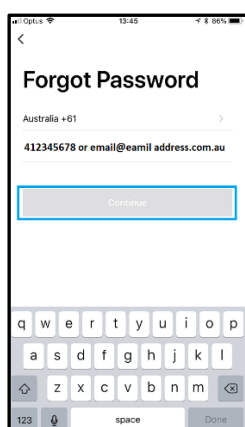
Password Retrieval

Forgot your password? Not a problem. Simply reset your password.

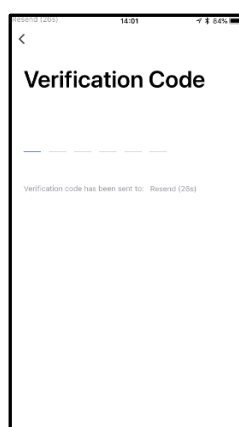
1. On the Login screen, select Forgot Password. (fig 1)
2. The Forgot Password screen will appear, enter either your mobile number or email address that you would have initially used to create your login. Then select Continue. (fig 2)
3. A Verification screen will appear, prompting you to input your verification. You would have received either an SMS message or an email with your verification code, input the 6-digit number, and you'll be prompted to set a new password, then select Done. (fig 3, 4)



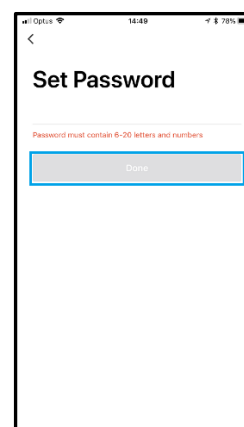
(fig 1)



(fig 2)



(fig 3)



(fig 4)



SPECIFICATIONS

nowe Motion Sensor, nowe – MS01W Spec's

Power Supply	2 X AAA battery , 3V
Wireless transmitting and receiving frequency	2.4GHz ~ 2.484GHz
Network protocol support	IEEE802.11 B/G/N
Transmitting power	802.11b:17dBm±2dBm@11Mbps 802.11g:15dBm±2dBm@54Mbps 802.11n:13dBm±2dBm@MCS7_HT20
Receiving sensitivity	802.11b:-91dBm@11Mbps 8%PER 802.11g:-75dBm@54Mbps 10%PER 802.11n:-72dBm@MCS7_HT20 10%PER
Vector error EVM	802.11b:≤35% 802.11g:-28dBm max. 802.11n:-28dBm max.@MCS7_HT20
Working temperature	-10~ + 40°C
Storage temperature	- 40~ + 70°C
Relative humidity	8% ~ 80%

WARRANTY

All refund rights under both State and Commonwealth law apply.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure. If the failure is minor, we reserve our right to offer to repair only. We reserve the right to not offer a refund or an exchange coupon.

In addition to your Australian Consumer Law Guarantees and any rights under the Australian Consumer Law, iHAS Services warrants this product against defects from purchase for a period of 24 months. During the warranty period iHAS Services will, at its election, replace or repair products that are defective. The product is only subject to the warranty in circumstances where the product has been correctly installed, maintained and operated within the specifications defined in this user manual and where the product is not subject to incorrect mechanical use or tampering after purchase.

For the full warranty and returns policy, please visit www.ihas.com.au

Without limiting your Australian Consumer Law Guarantees, your Australian Consumer Law Guarantees and any rights under the Australian Consumer Law any rights under the Australian Consumer Law and the above warranty, iHAS Services otherwise excludes all liability (including without limitation arising out of negligence or otherwise) for any loss, damage or claims in relation to or in connection with the products. iHAS is not responsible for, and excludes all liability for any radio or TV interference.

