



KONEC WIRED-ZIGBEE SMART GATEWAY GA1

USER MANUAL

KTY-THP12-Z

SKU: KGW00008

Update version: 01/07/2026

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1. NOTICE

DISCLAIMERS

- This User Manual is designed to help you get the most out of your Konec Wired-Zigbee Smart Gateway GA1. Please read it carefully before use. For your safety and the best experience, we recommend that installation and maintenance be carried out by a qualified professional.
- The information provided in this manual is for general guidance and reference purposes only. Konec Solutions Pty Ltd makes no representations or warranties, express or implied, regarding the completeness, accuracy, or suitability of the content. Product specifications, features, and visuals are subject to change without notice .
- This product must be installed, repaired, and maintained in accordance with AS/NZS 3000 and applicable local laws . Improper installation, use, or unauthorised modification may void the warranty and pose safety risks.
- To the extent permitted by law, Konec Solutions disclaims any liability for direct, indirect, incidental, or consequential damages arising from the use of this manual or the product itself.
- This disclaimer does not affect your rights under the Australian Consumer Law or the New Zealand Consumer Guarantees Act 1993 .
- All content in this document—including text, images, and graphics—is the property of Konec Solutions. No part may be reproduced, translated, or modified without prior written permission.
- For the latest version of this manual, please visit www.konechome.com.au.

IMPORTANT SAFETY INSTRUCTIONS

To ensure a safe and compliant installation, please follow these precautions:

- This product is designed for professional installation.
- Disconnect power before starting installation or maintenance.
- Installation must comply with AS/NZS 3000 and all relevant local electrical and building regulations.
- Do not exceed the product's rated electrical capacity.
- Avoid using power tools unless explicitly specified.
- Do not install in areas exposed to water or high humidity unless rated for such conditions.
- Use appropriate personal protective equipment (e.g., gloves, safety glasses).

For product usage and maintenance safety, please refer to the User Manual.



BATTERY WARNING: KEEP BATTERIES OUT OF REACH OF CHILDREN

This product contains one or more coin/button cell batteries. Swallowing can cause suffocation or severe internal burns within 2 hours which can lead to serious injury or even death. Seek immediate medical attention if battery is swallowed.

2.PRODUCT OVERVIEW

PRODUCT DESCRIPTION AND FEATURES

Designed specifically for the Konec Wired-Zigbee Smart Gateway GA1, it facilitates smooth communication among various Zigbee smart devices, ensuring reliable connectivity and simplifying the management and control of your smart home environment.



HIGH PERFORMANCE CHIP

Powered by a 1.2GHz chip, the performance is ideal for smart homes with extensive setups.



OTA UPDATE

Receive the latest firmware notifications and update using the app.



ZIGBEE NETWORK

Supports over 100 devices simultaneously, even with an unstable internet connection, it ensures continual cross-device linkage via the local Zigbee network.



LOCAL PROCESSING CAPABILITY

Local data storage, supporting RTC local timer, allowing precise execution even in disconnected network situations.



WI-FI UPLINK

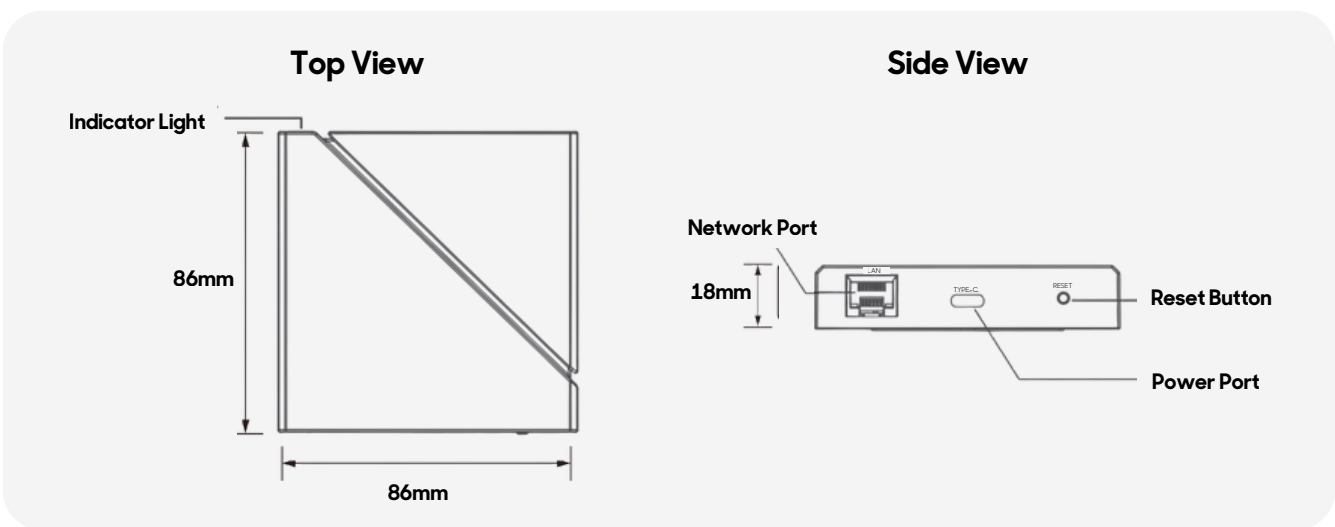
This device supports the wireless connection network as an alternative connection method.

CERTIFICATION



This product is RCM certified, ensuring compliance with Australian safety and regulatory standards.

COMPONENT LAYOUT DIAGRAM & DIMENSIONS



2.PRODUCT OVERVIEW

WHAT'S INCLUDED

SMART GATEWAY * 1



ADAPTOR * 1



POWER CABLE * 1



IN-BOX USER MANUAL * 1



ETHERNET CABLE * 1



OPTIONAL ADD-ON:
WALL MOUNT



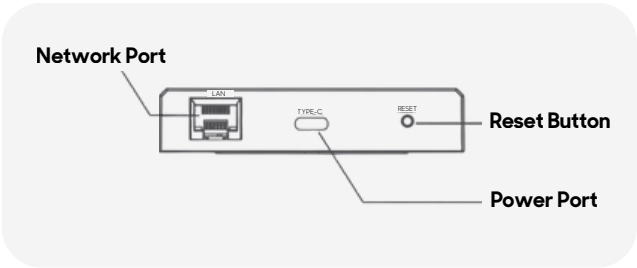
Disclaimer: This optional accessory is special order only. For pricing and availability, contact the Konec Solutions team.

SPECIFICATIONS

General Specifications		System Specifications	
Weight	113g	Operating System	Linux 3.1.0
Dimensions	86 x 86 x 18mm	CPU	ARM Cortex-A7
Colour	Black & Grey	Operating Frequency	1.2GHz
Input Voltage	DC5V	Flash Memory Speed	128Mb
Rated Current	1A	DDR Memory Speed	2Gb
Protocol	Zigbee	Communication Module Specifications	
Operating Temperature	-10°C ~ 45°C	Frequency Band	2.405 ~ 2.480GHz
Operating Humidity	10% ~ 90% (Non-Condensing)	Transmission Rate	250Kbps
		Interface Specifications	
Uplink	RJ45, Wi-Fi	Network Port	RJ45
Downlink	Zigbee	Power Port	Type-C
Ethernet Port Speed	10/100 Mbps	Antenna	External Antenna with IPEX Connector
Sub-device Capacity	Over 100		

3.SET UP

INSTALLATION



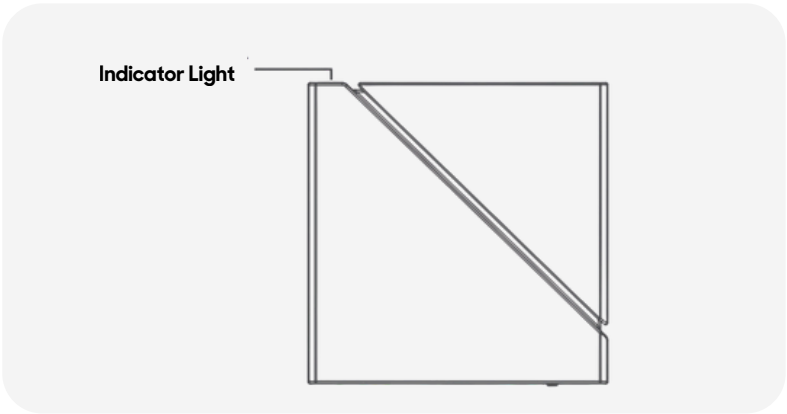
- 1.Choose an appropriate location to set up the gateway.
- 2.Connect the power supply and power cable to the Type-C port.
- 3. Connect the Ethernet Cable from the LAN port to the network jack.

Placement Consideration: Place on a shelf mount, rather than on the floor with minimal interference.

Disclaimer: The installation environment requirements and signal transmission distance guidelines for suitable installation locations can be found in the specifications table.

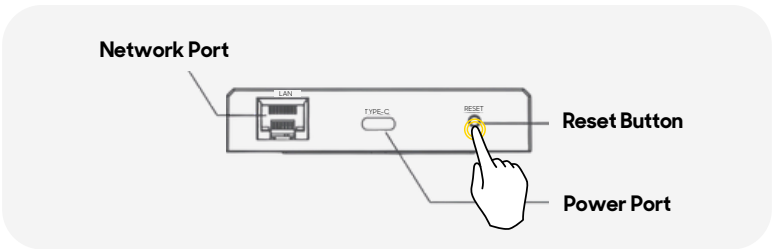
INDICATOR LIGHT STATUS GUIDE

Solid Orange	Initialisation	Quickly Blinking Blue	Pairing Mode
Solid Blue	Pairing Successful	Slowly Blinking Blue	Adding Sub-Deviices
Solid Red	Network Issue		



HARD RESET INSTRUCTIONS

After powering on, press and hold the [**RESET**] button for more than 5 seconds. The indicator light will blink, indicating that the device has been reseted and re-entered pairing mode.



4. CONFIGURATION



Disclaimer: All images and text provided below are intended for reference purposes only. Please note that this content is subject to updates, and both the text and images may change over time.

4.1 DOWNLOAD THE APP



iOS



Android

Scan the QR Code to download Arks by Konec Solutions App.

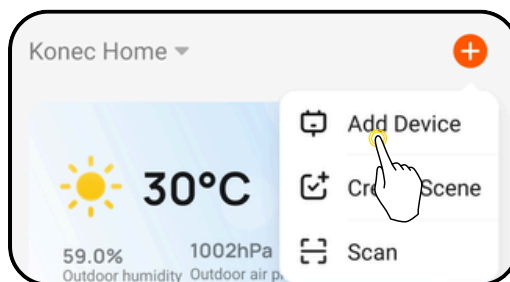
4.2 ADD PRODUCT TO ARKS

- 1 After powering on, ensure the pairing indicator light is orange and solid.
(If the indicator light is in any other state, press and hold the RESET button until the orange light stays on.)
- 2 On the app, tap on the home list and select the home you wish to pair with the gateway.
✂ If you want to add it in a new home, please reference to the "Konec Arks APP User Guide" to create a new home.

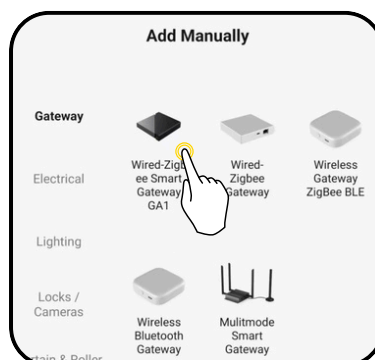


4. CONFIGURATION

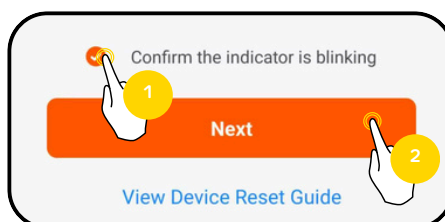
- 3 Tap on the "+" icon and then tap **[Add Device]**.



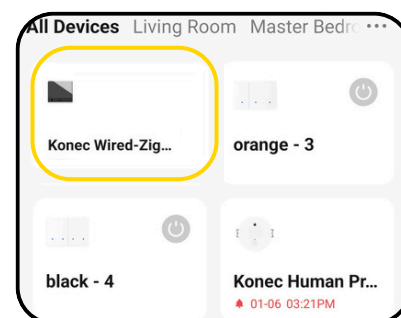
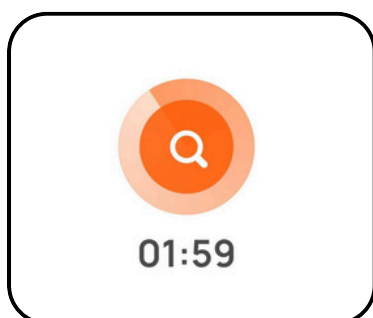
- 4 Tap on **[Gateway]**, and then tap **[Wired-Zigbee Smart Gateway GA1]**.



- 5 Tap the reset status confirmation and tap **[Next]**. The app will scan for the device.



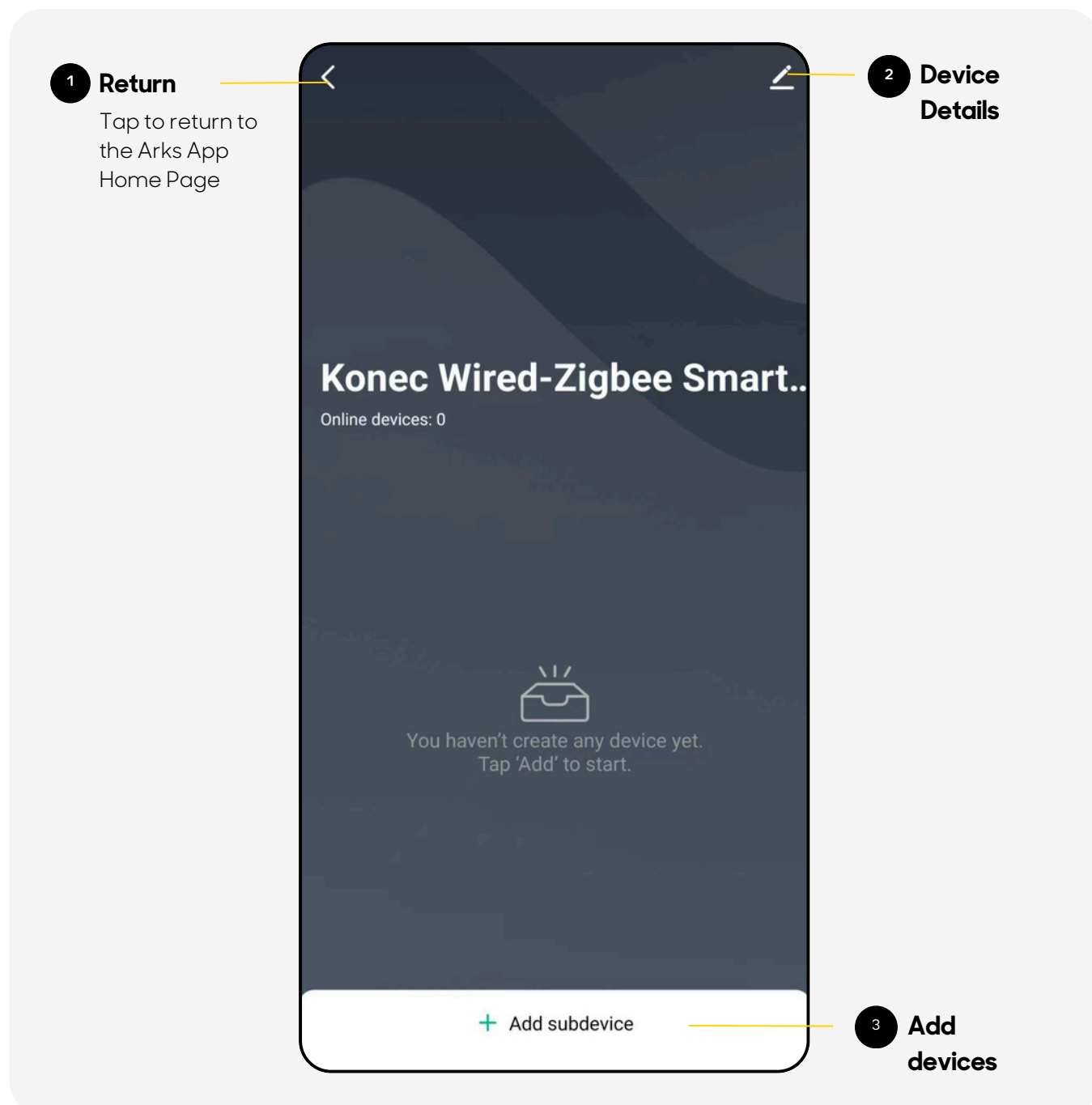
- 6 Device will be automatically detected and appear once the Pairing Operation is successful. Tap **[Done]** to complete.
The gateway should appear on the Dashboard.



4. CONFIGURATION

4.3 DEVICE CONTROL PAGE

Directly access and control the settings and functionalities of the Konec Wired-Zigbee Smart Gateway GA1. Special features include adjusting settings, viewing status, or performing setup configurations.



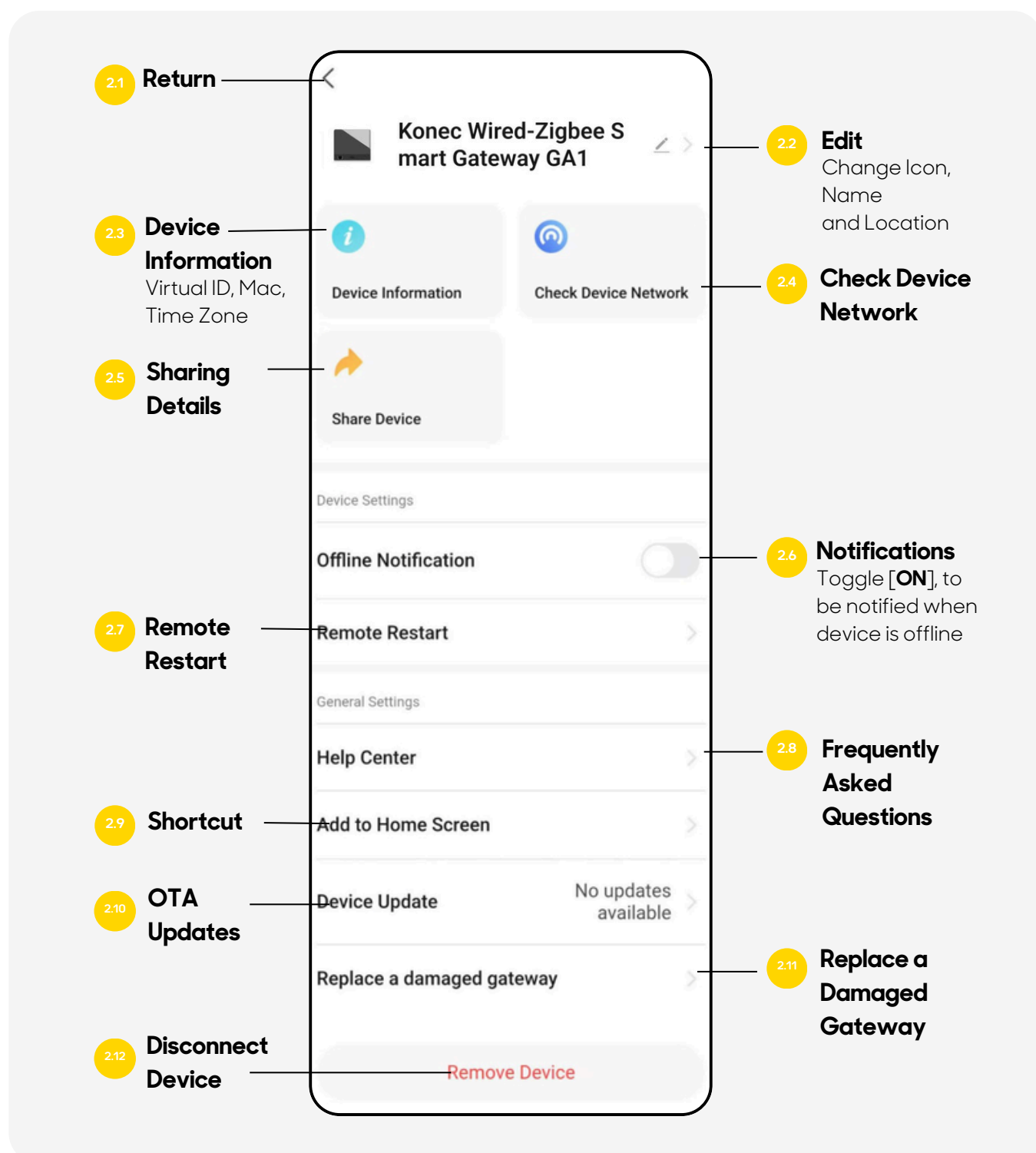
4. CONFIGURATION

1 RETURN

Tap the Return icon "◀" to go back to the Home Screen.

2 DEVICE DETAILS

Access the Device information and other information.



4. CONFIGURATION

2.1

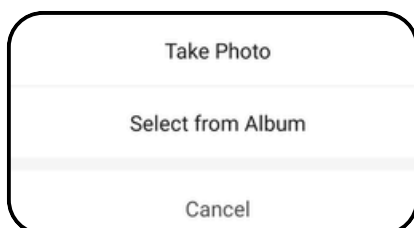
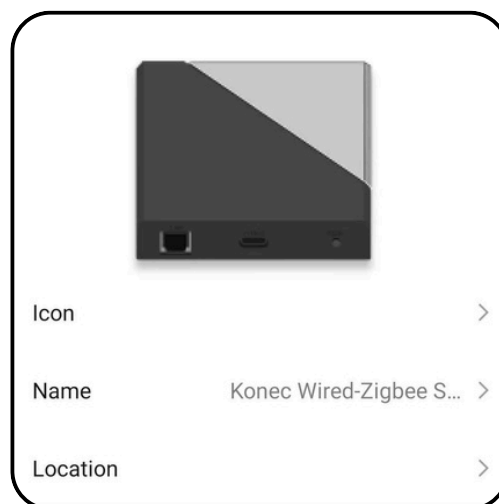
Return

Tap the Return icon " < " to go back to the Device Interface.

2.2

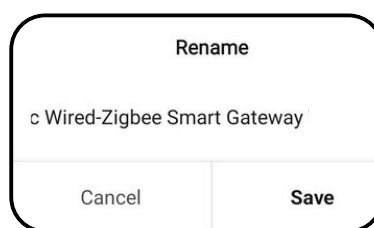
Edit

Tap the Signature icon " ✎ " to change Icon, Name and Location of the device.



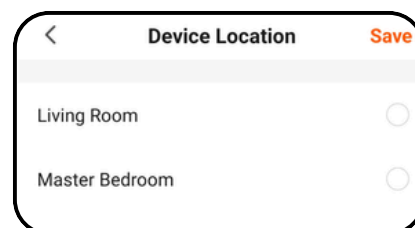
Icon

Update display icon with an icon from a photo or your phone.



Name

Change the display name.



Location

Select where the device is located.

2.3

Device Information

Obtain the information about Virtual ID, Mac, and Time Zone.

2.4

Check device network

Check the condition of the network.

2.5

Sharing Details

Details on how to share this device's access and control with other users.



Note: Sharing methods that solely share one device in your smart home is not supported. You would need to **Add a Member** to your Smart home to access the device.

4. CONFIGURATION

2.6 Notifications

Receive phone notifications when this device's status changes to offline.

To turn on this function, under "**Device Offline Notification**" toggle [**Offline Notification**] ON.



Note: Offline notification may experience delays.

2.7 Remote Restart

Remote restart gateway

2.8 FAQ

Access a list of questions that are related to this product.

Tap [**More**] to access the general FAQ.

2.9 Shortcut

Shortcut

Add a shortcut onto your phone home screen for easier access.

1. Tap [**Add to Home Screen**].
2. Tap [**Go**].
3. Tap [**Add**].

2.10

OTA Updates

Check for the latest firmware updates.

Toggle ON [**Auto Upgrade**], if you wish to automatically update the device when a new update is detected.

2.11

Replace a damaged gateway

Use this function to replace an existing damaged gateway with the current gateway.

All devices connected to the damaged gateway will be transferred to the new gateway.

Disclaimer: Must be the same module.

The sub-device and smart scenario under a damaged gateway can be moved to Konec Wired-Zigbee Smart Gateway GA1:

Enter SN or device ID of faulty gateway

[Get device ID from device list](#)

Enter the Virtual ID of the damaged gateway then tap the icon "→" to start replacing

4. CONFIGURATION



Note:

1. The new gateway can only replace the faulty gateway within the same home.
2. The new gateway must be powered on and should not have any connected devices.
3. The faulty gateway must be powered off and offline before replacement.
4. The faulty gateway will be removed from the home once the replacement is complete.
5. If the faulty gateway is repaired, it is recommended to add it to a different home.

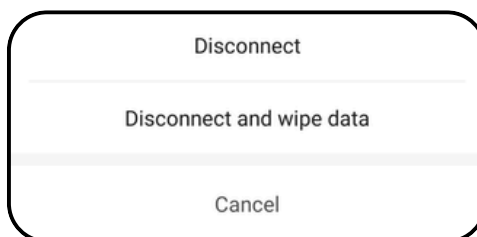
2.12

Disconnect Device

Remove and disconnect the device from your app.

Disconnect: You will remove the device and all related automation settings will be deleted. Tap **[Disconnect]** > **[Confirm]**.

Disconnect & Wipe Data: You will remove the device and all related data will be deleted. Tap **[Disconnect and wipe data]** > **[Confirm]**.

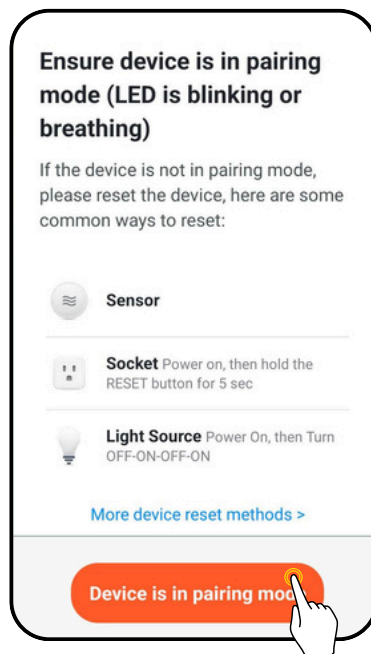


Note: All the devices under this gateway will also be removed.

3

ADD DEVICES

After confirming that the device has entered pairing mode, tap **[Device is in pairing mode]** to add devices to this gateway.

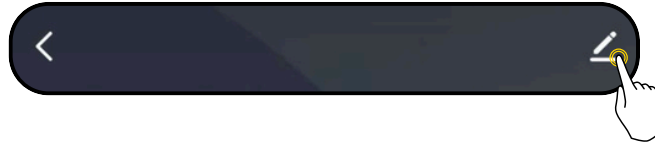


4. CONFIGURATION

4.4 REMOVE FROM ARKS

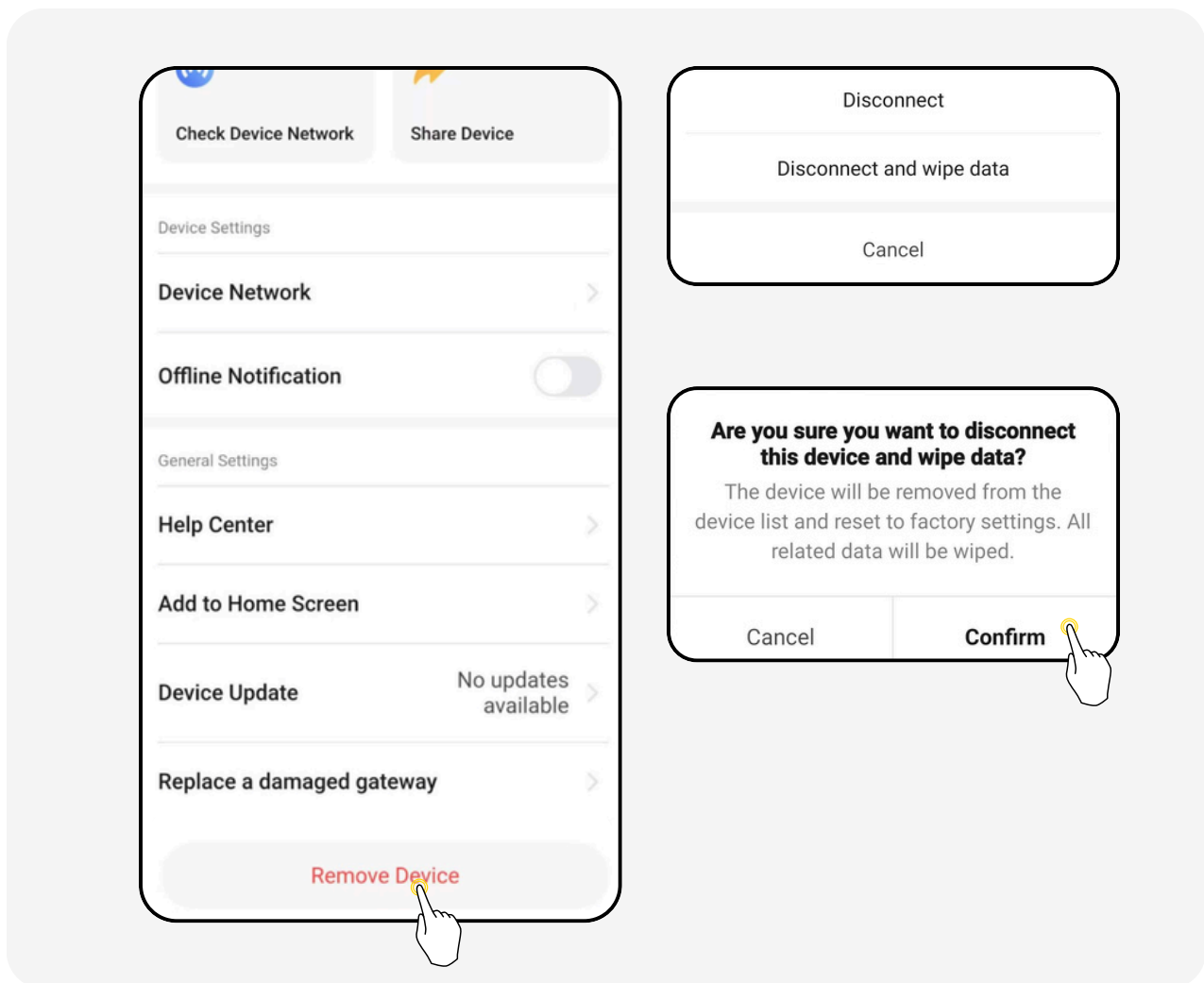
Remove and disconnect the device from your app.

1. On the Home screen, select the switch and tap on the **Device Details** icon "⌵".



2. Tap on **[Remove Device]**.
3. Select which method you wish to remove the device:

- **Disconnect:** You will remove the device and all related automation settings will be deleted. Tap **[Disconnect]** > **[Confirm]**.
- **Disconnect & Wipe Data:** You will remove the device and all related data will be deleted. Tap **[Disconnect and wipe data]** > **[Confirm]**.



Disclaimer: Hard resetting the device will also remove the device from the Arks app.

5. CONTACT US



For commissioning and programming. Please contact the Konec Project Management team for details.



Scan the QR code to download other helpful documents.

Konec Solutions Pty Ltd

Please do not hesitate to contact us if you have any questions.



Konec Official Web

<http://www.konechome.com.au>



Hotline

1300 2 56632 (1300 2 KONEC)



Sales & Partnership

sales@konec.com.au



Customer Support

support@konec.com.au



Address

L3 5 Talavera Road Macquarie Park NSW 2113