GSK Installation Guide

(Galaxy Smart Keeper)

Product Overview and Specifications

- Product Name : GSK (Galaxy Smart Keeper)

- Purpose of use

  : Notification function to prevent theft of displayed products

- Size(mm) : 85(w) x 85(d) x 30(h)

- Color : White / Black

- Component : GSK Controller , Cradle , Antenna , Double-sided tape

항목	내용	비고
Input	5VDC / Max 1A	
TX Beacon	RF Power : + 10dBm	Default
	EddyStone Type	
	Interval : 100mS	Default
RX BLE	RF Power : + 5dBm -97dBm Sensiviti support	
	Application of Balun Circuit for Blocking Adjacent Channels	
	App for Setup Connectivity BLE Mode Support	
	Multi Connection 12ea support	
Audio Output	1ch Alert sound output	
	3W AMP IC	
RF ANTENNA	U.FL Connector applied, external antenna support	
LED display	R.G.B LED Communication Status Information Representation	
Operating Temperature Range	+ 10 ~ + 45 ℃	
Storage Temperature Range	-20 ~ + 85 ℃	
warranty	1 year or less	

Table of Content

1

Pre-installation Essentials and Checklist

Pre-installation precautions and checklist

Pre-Installation Requirements

- Internet access is required for GSK to be installed. Please connect the display device and management device to Wi-Fi.
- The GSK app will be installed automatically when you install the Samsung Retail Mode app.

Installation checklist

| Store Environment			Creating an Account		GSK Kit	
Display devices with Samsung Retail Mode app installed	Management devices to install the Manager app	Wi-Fi environment	E-mail address	Internet-enabled PC	GSK Controller	The Guide

2

Installation Process

Installation Process

- GSK installation process is as follows:

1 Store Account Creation

Access the site and create a store account

*Site Address
https://cms.mss-gsk.retailsamsung.com

2 Manager App Installation

Install the GSK Manger APP on the management device

3 Controller Registration

Scan the QR code on the back of the controller to register it

6 Display Device Registration

-Run the Manager app while the 'Device Registration' screen is on in the GSK app

-Select the device you want to register

5 The GSK App Installation

The GSK app will be installed on the display devices automatically when you install the Samsung Retail Mode app

*Please refer to the p.34

4 Controller Placement

Locate the controller at the display table

※ Installation locations vary depending on store condition or selection mode.

3

Store Account Creation

Sign up

Sign up approval and Authentication

Create a Store on the Administrator Site

Sign up

- Connect to management site 'https://cms.mss-gsk.retailsamsung.com '
- Follow these steps to create a store account
- The administrator approval is required after completing registration
- Approval is typically completed within 24 hours.

*Chrome is recommended as the internet browser.

1 Click Sign up
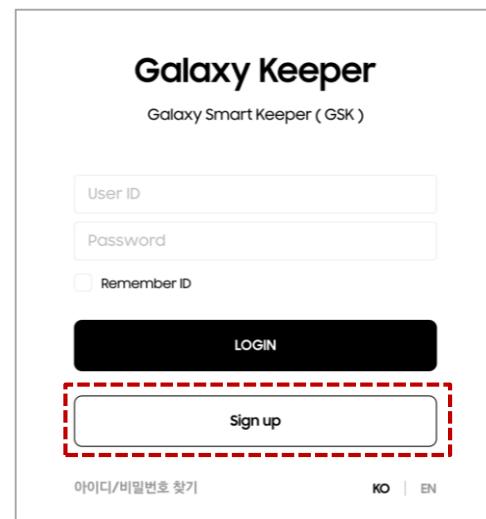
2 Accept the terms and conditions and click 'Accept'
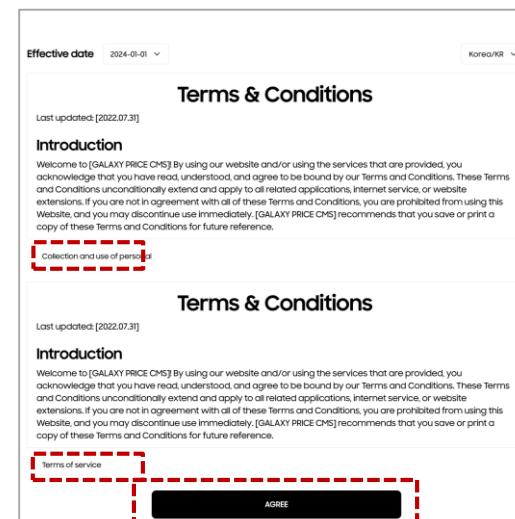
3 Enter your profile information
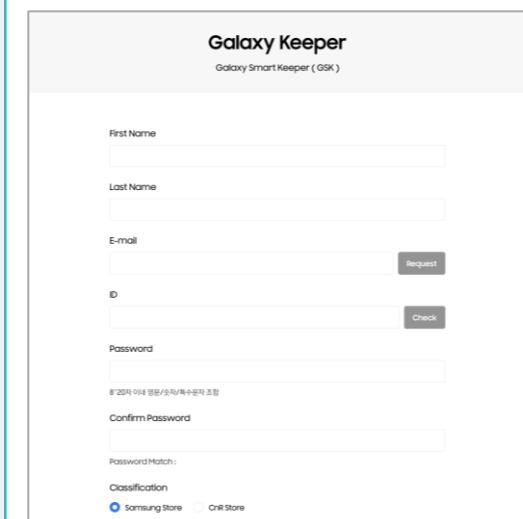
**4** Select your store classification, region and subsidiary.
Click 'Done'
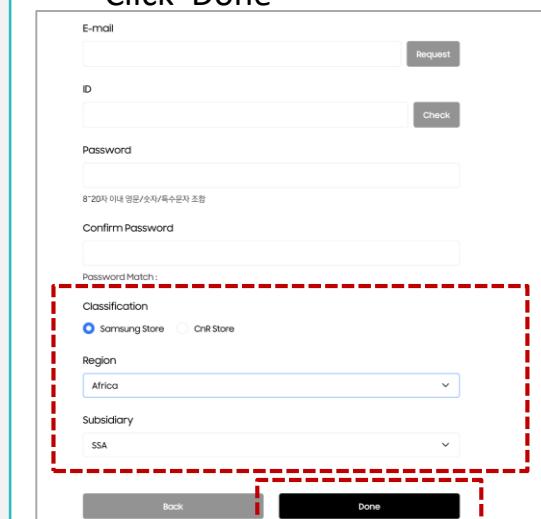
9

Log-In and Authentication

- After the administrator approval, you can log in through the authentication process

1 Enter ID, PW, and click 'LOGIN'
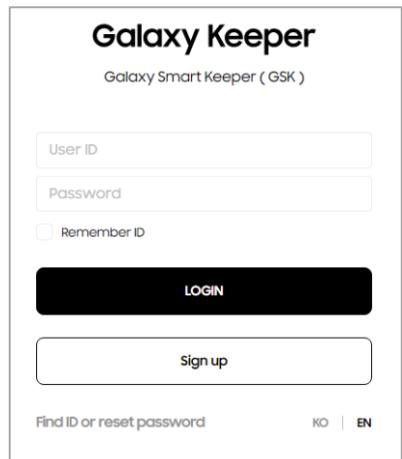
2 Complete authentication via Google OTP or email authentication

3 Enter to the main screen once you complete the authentication
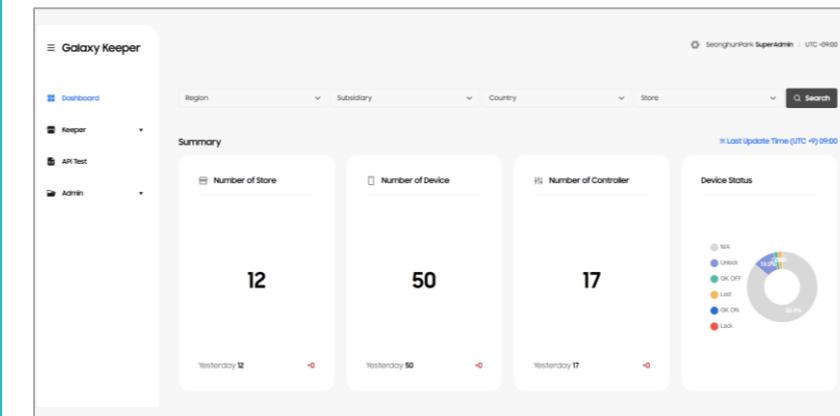
Creating a Store

- Select your store and edit store operating hours through the following process

1 Select the Keeper > 'Store' at the left menu, then select the relevant store
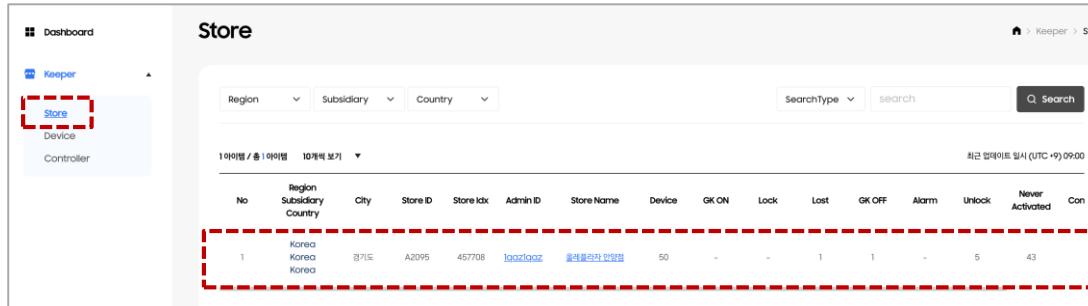
2 Click 'Edit' at the bottom right to set the store operating hours

3 Set store operating hours
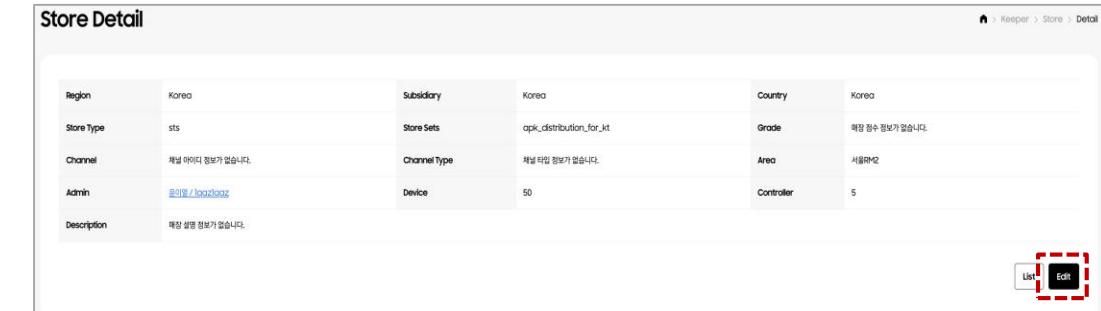
4 Click 'Confirm' at the bottom right, then click 'Confirm' again in the pop-up window

11
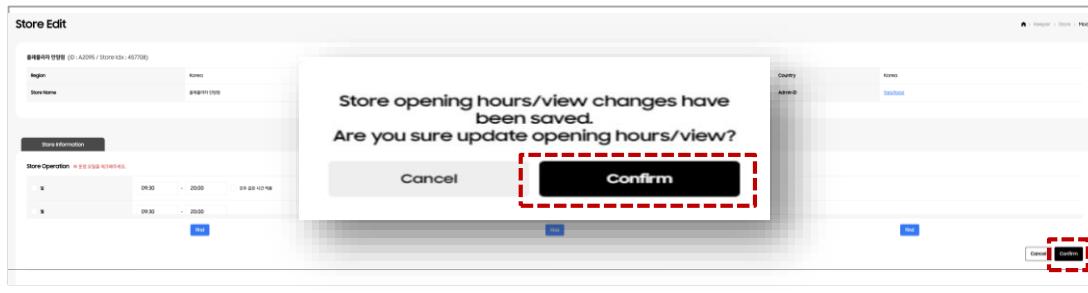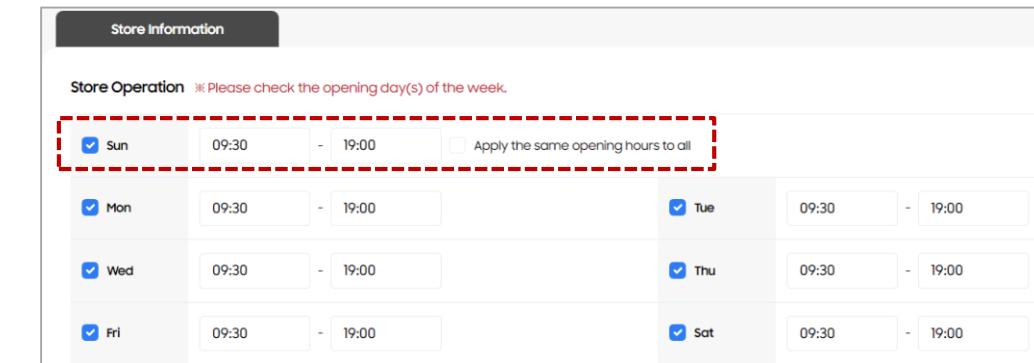
4

Manager App Installation

Manager App Installation

- Download the Manager app by scanning the QR code in the guide from the GSK Kit on the Management device
- After running the Manager app, proceed with the permission settings in the following order, then log in

1

Download Manager app by scanning QR code below.

GSK Manager

2

Select 'allow' for all four requested permissions
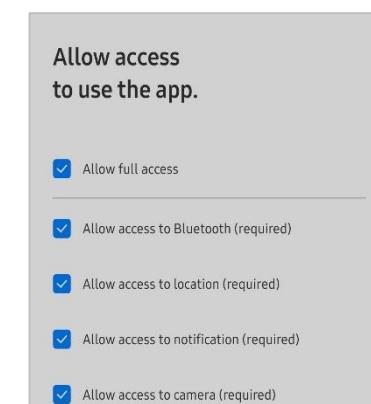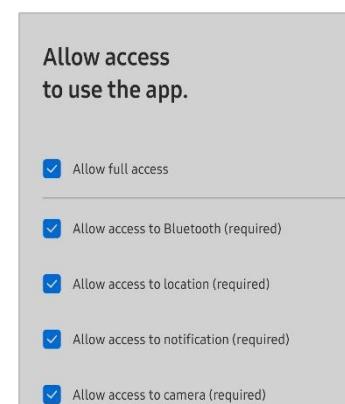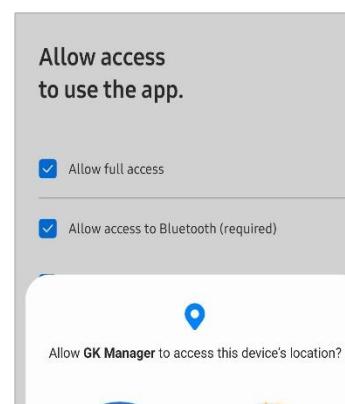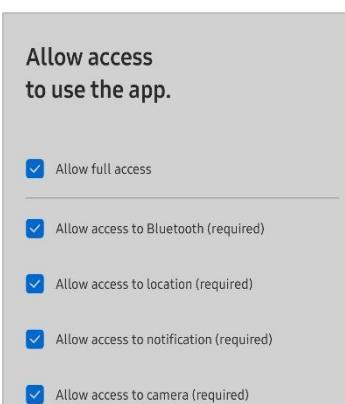
3

Log in with your store account

Store ID login

ID
Enter ID

Password
****

○ Auto login

Login

13

5

Controller Registration

Controller Registration

- Log in to the **Manager app** and follow the order below to register the controller
- When setting up the display device located near the entrance, please refer to the page 34

1

Select the store you set when creating the account

2

Tap '+' for controller registration

3

Scan the QR code on the back of the controller

*The controller must be powered on.

4

Select the table placement for the controller
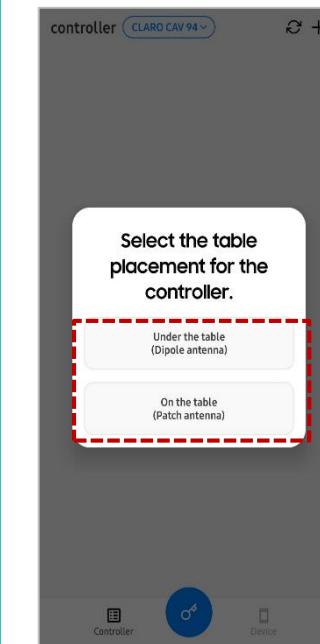
5

Register the controller name with the location where the controller will be placed
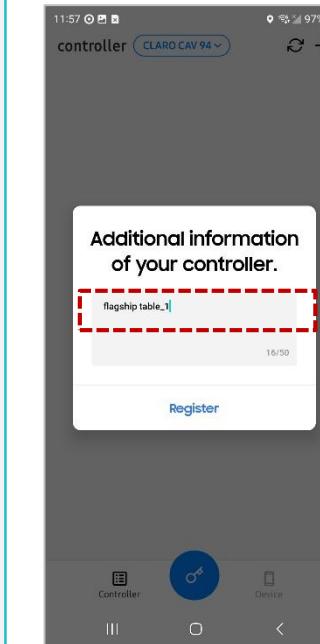
6

The controller registration is complete

6

Controller Placement

Placement Guide

GSK Support Mode

Area mode

Fence mode

Pin Point mode

Placement Guide

- For smartphone and tablet tables, place the controller under the table and connect the included dipole antenna.
  *For optimal performance, placing controller on the table is recommended.
- Place GSK controllers on the top of the table only for the Watch table without dipole antenna.

SMP/Tablet Table

Place under or side of the table
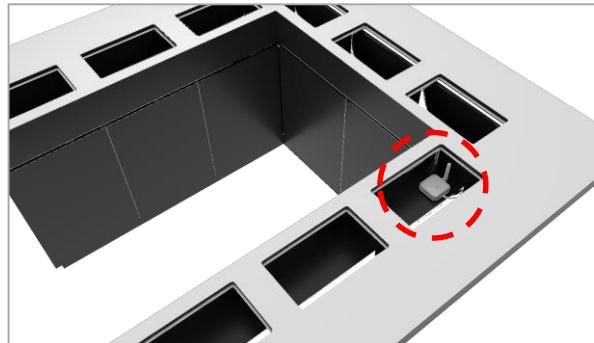
Watch Table

Place on the table

17

Placement Guide

- When placing the controller under the table, ensure that there are no obstacles that could affect the controller signal.
- Please refer to the correct installation example below.

Incorrect installation example

Stick to the wall (X)

Install next to power lines or electrical devices (X)
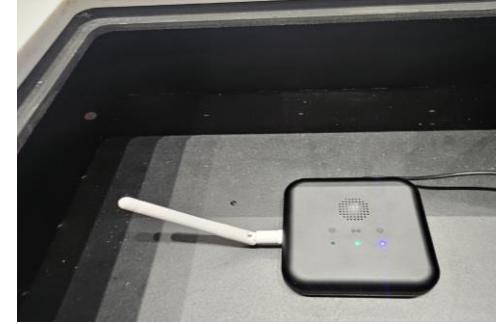
Install by bending the antenna (X)

Correct example

Example of correct installation (○)

GSK Operation Mode

- GSK supports the following four modes to match your store environment:

Distance Mode	Area Mode	Pin-Point Mode	Fence Mode
The mode simply turns on an alarm when it is out of the range of settings from the controller	The mode turns on the alarm when it is out of area from the multiple security ranges which created by multiple controllers	This mode turns on an alarm when there is an approach to the range of the controller	This mode turns on an alarm when you step outside the store's entrance area by identifying the inside and outside based on the set area
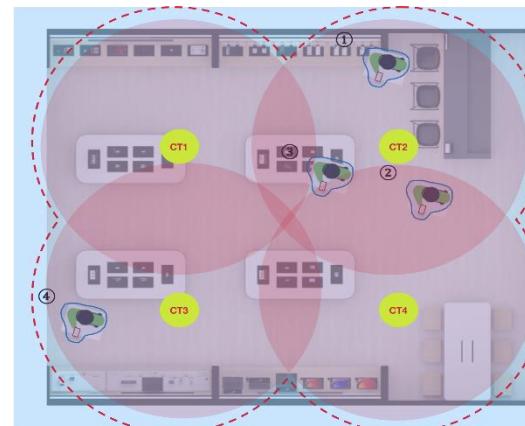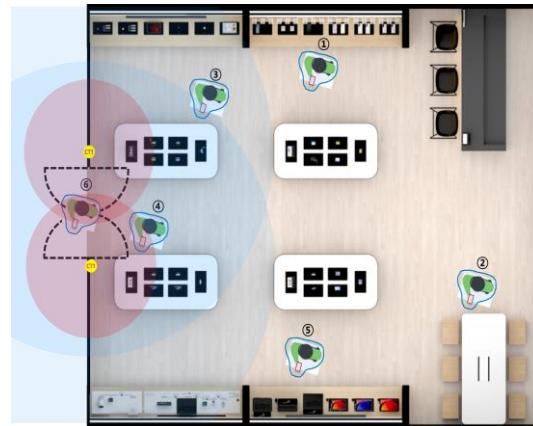
19

Area mode

- The placement of the controller varies depending on the environment of each store and the operation mode you use
- Area mode is the most basic mode which is suitable for the most store conditions. Multiple security ranges are combined
- Refer to the placement guide below to arrange it accordingly

Security Range   Controller Location

60m²	100m²	180m²

60m² panel:
- 900mm
- 2,000mm
- *Table size
- Installing 3 Controllers

100m² panel:
- Installing 6 Controllers

180m² panel:
- 2,000mm
- 3,138mm
- Installing 12 Controllers
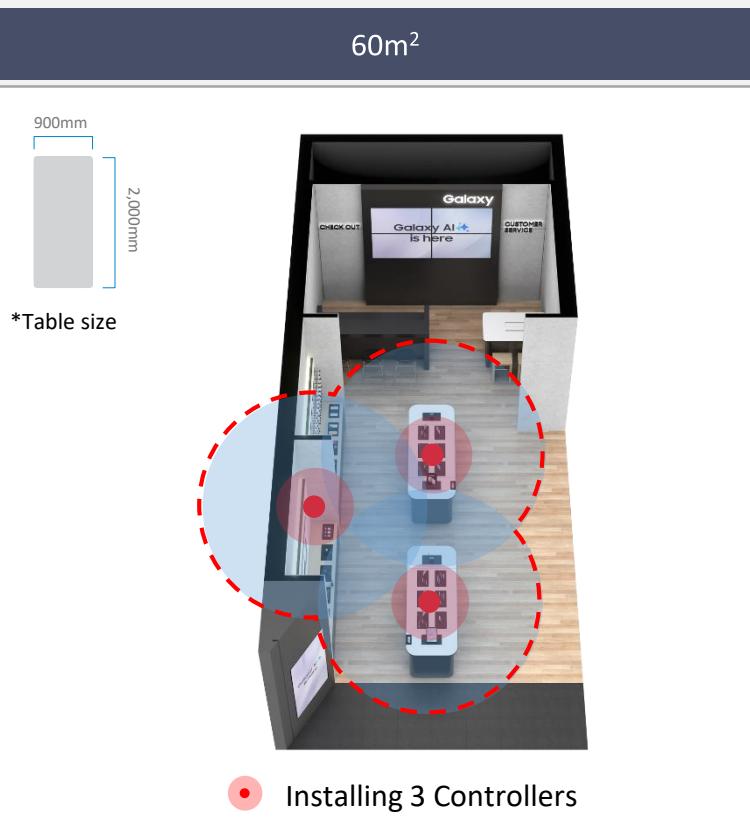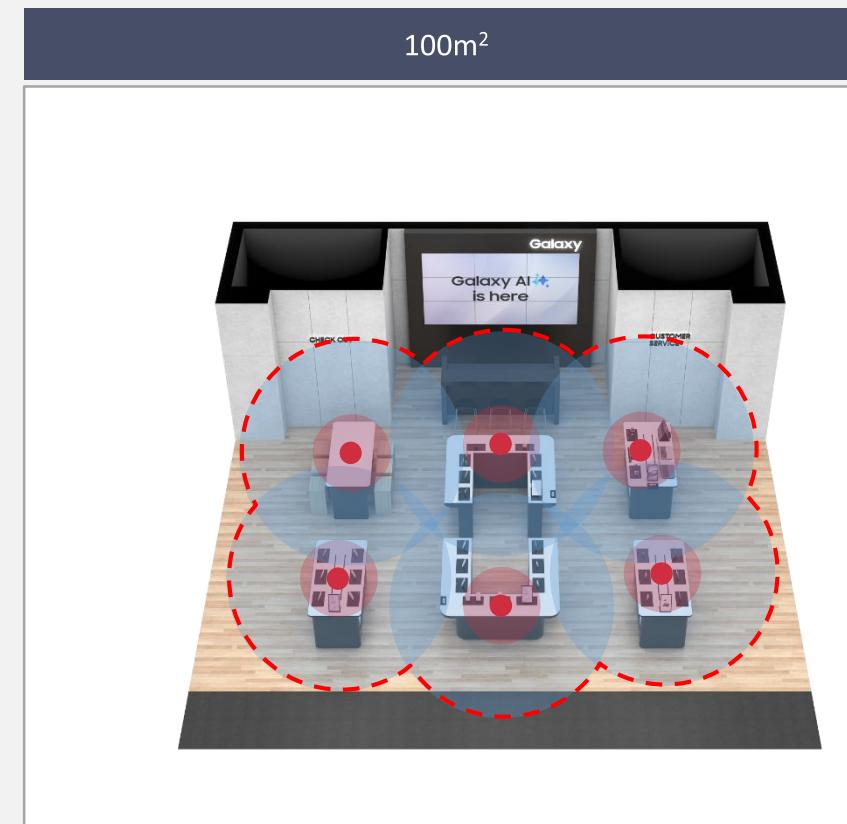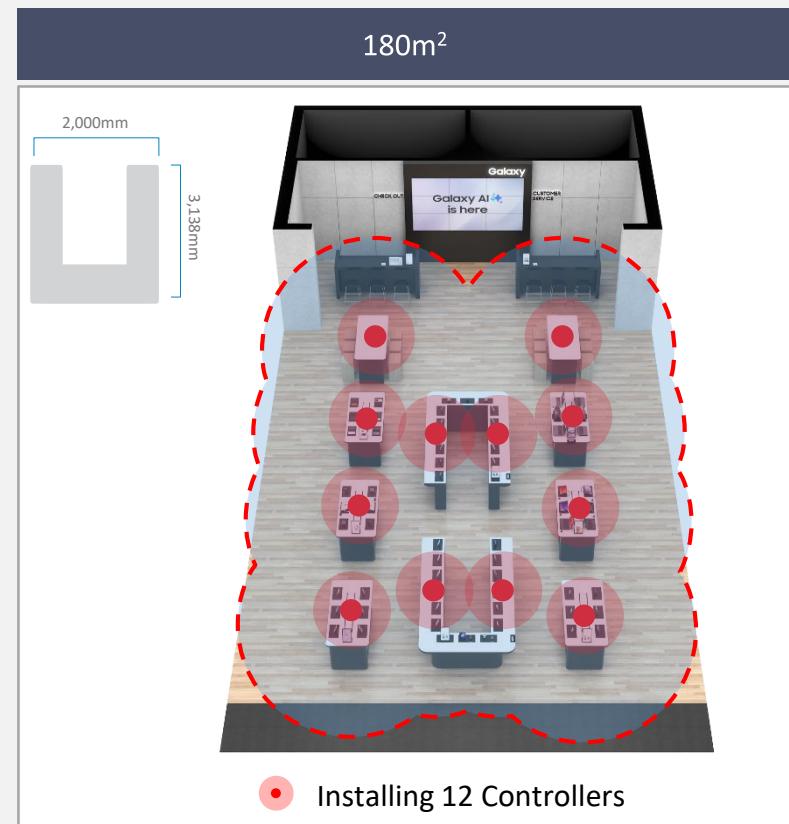
Fence mode

- The two controllers inside the store, outlined in blue, are installed symmetrically at the ends of both tables, 5m away from the installed controller at the entrance
- The red line below is the Fence line. The warning alarm will sound when the display device cross the fence line.
- Refer to the placement guide below to arrange it accordingly

Security Range   Controller Location

100m²

2,000mm
1,798mm
*Table size

Installing 5 Controllers

180m²

2,000mm
3,138mm

Installing 5 Controllers
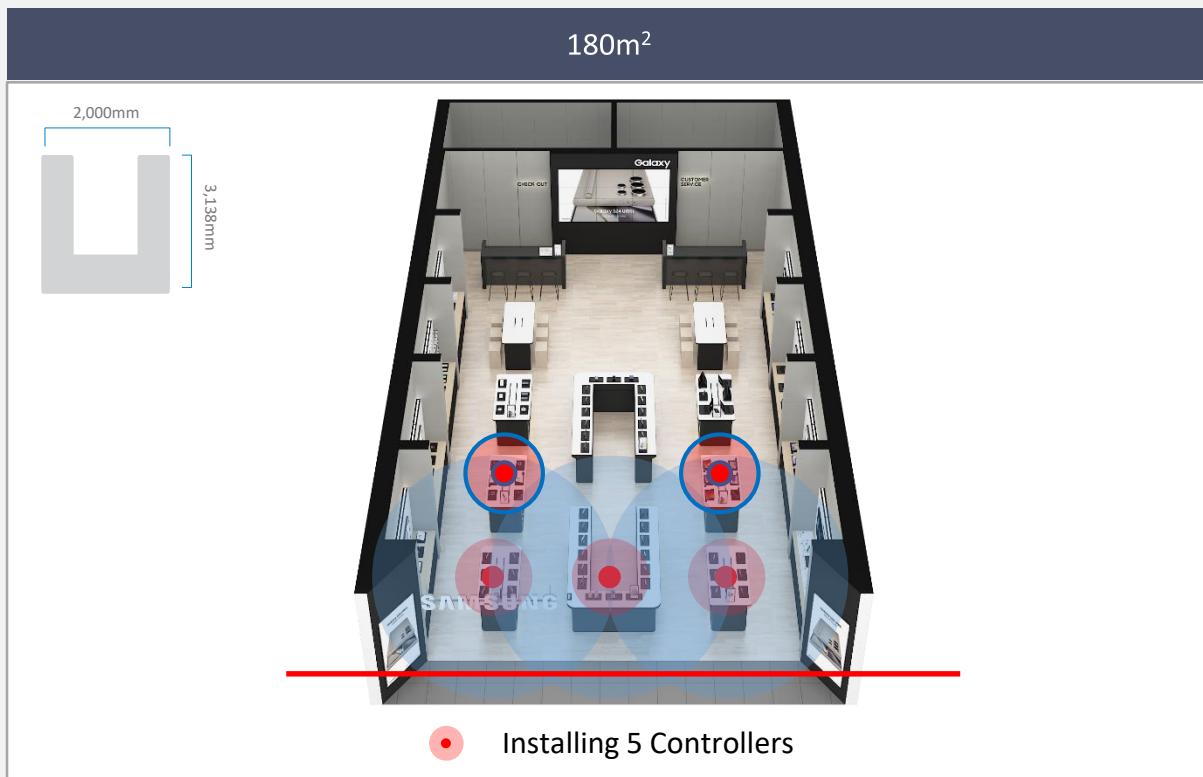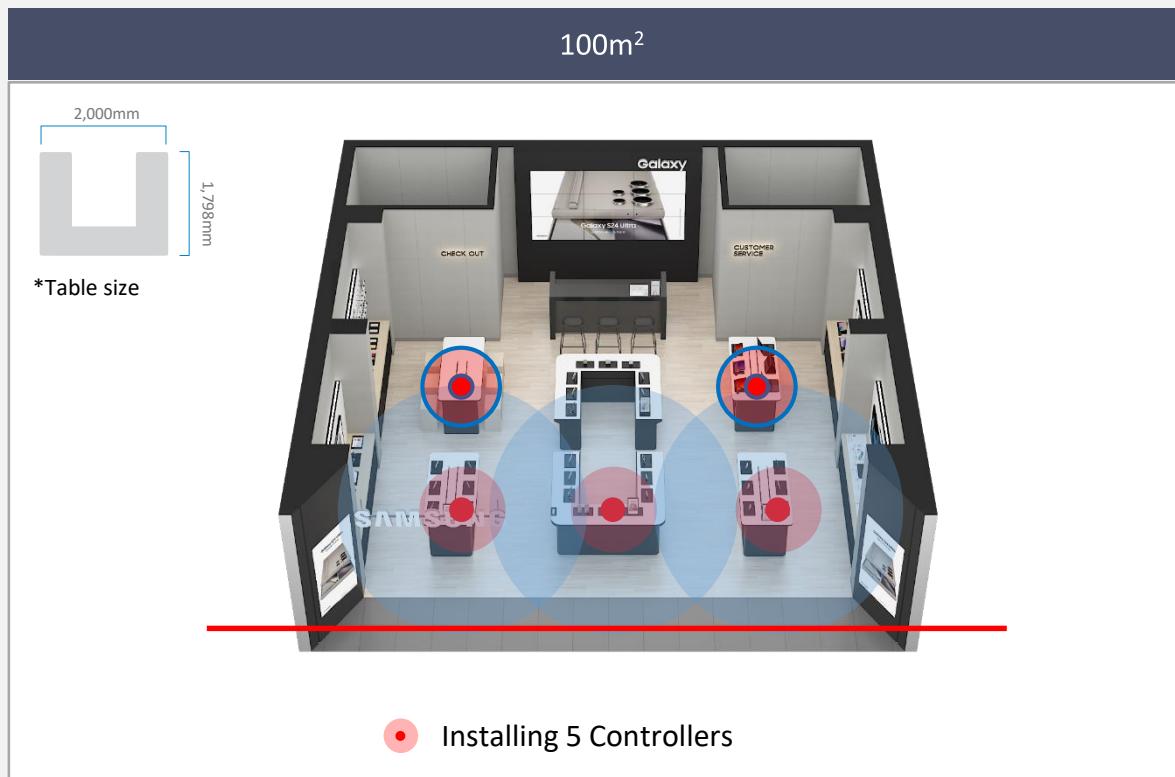
*The placement of the controller varies depending on the environment of each store and the operation mode you use

Pin Point mode

- Pin-Point mode triggers an alarm when you approach within 3 meters of the controller installed near the entrance.
- The controller inside the store, outlined in blue, is installed on the center table 5 m away from the installed controller at the entrance
- Refer to the placement guide below to arrange it accordingly

● Security Range   ● Controller Location

60m^2	100m^2	180m^2

60m^2
900mm
5,000mm
2,000mm
*Table size

Installing 2 Controllers

100m^2
2,000mm
10,000mm
1,798mm

Installing 3 Controllers


180m^2
2,000mm
9,570mm
3,138mm

Installing 3Controllers
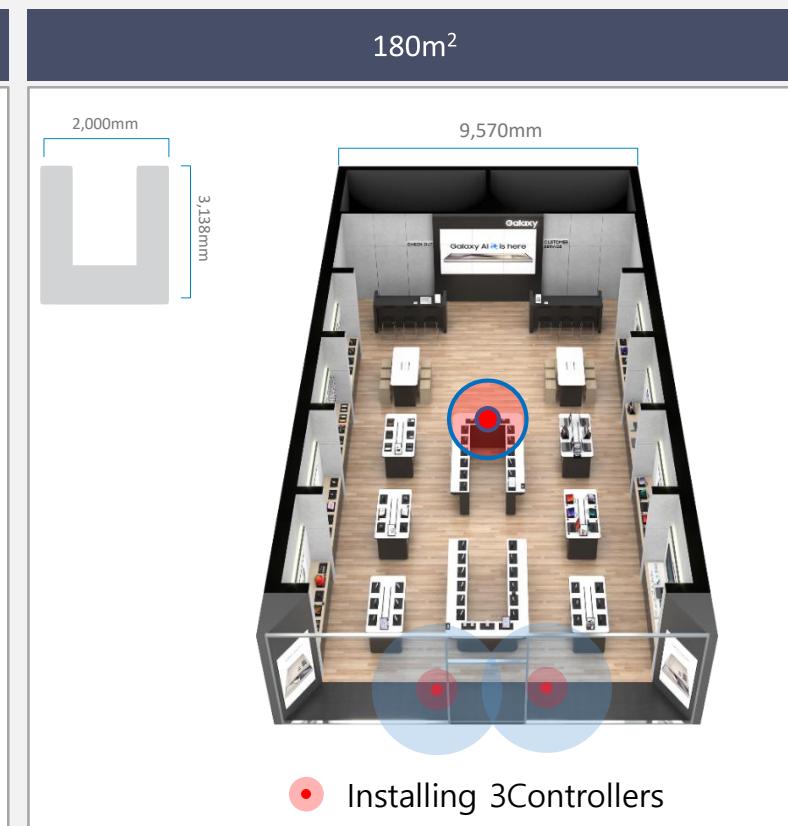
*The placement of the controller varies depending on the environment of each store and the operation mode you use
* If you wish to manually adjust the alarm range of the entrance controller, please refer to page 32.

22

Fence mode or Pin-Point mode settings

- To use Fence or Pin-Point modes, the installation position of the controller must be set as follows.

1 To use Fence and Pin-Point modes, click the 'List' button below in the Manager app.
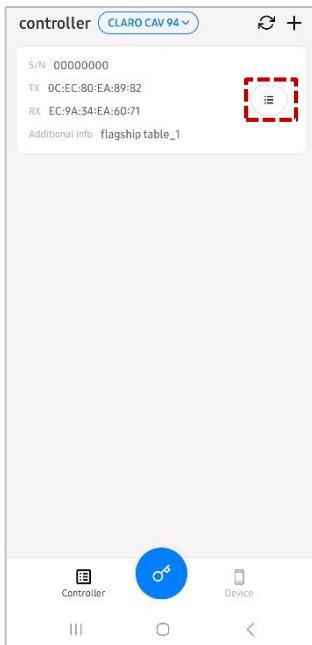
2 Select 'Change the installation location'.
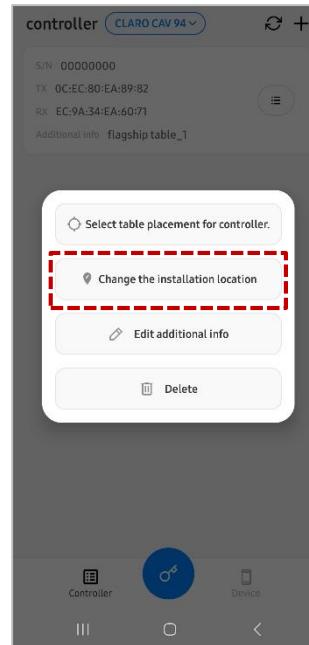
3 Select the installation location for the controller within the store.

4 The installation location will be displayed on the screen.

\<Example – Fence mode\>
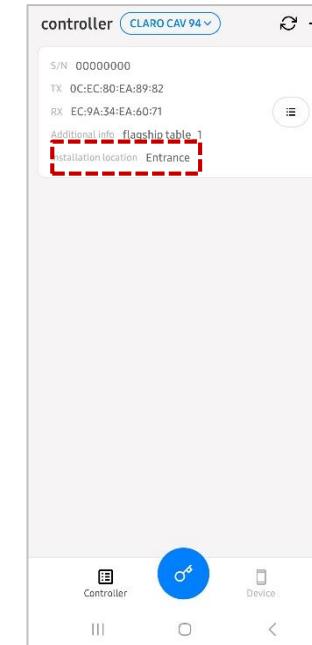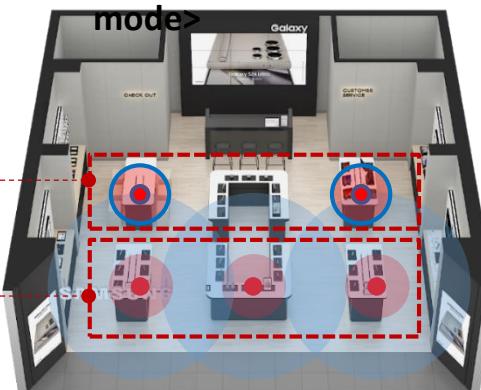
In store

Entrance

\<Example – Pin-Point mode\>
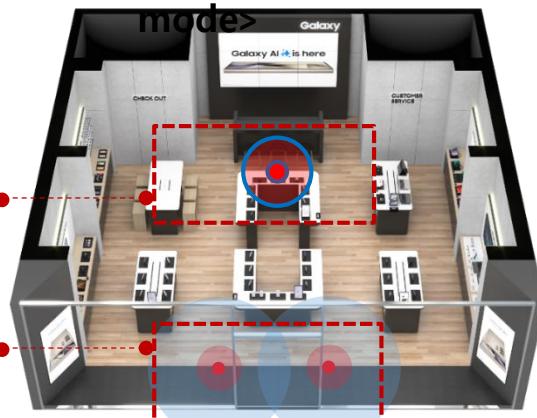
In store

Entrance

7

Install GSK App

Installing the GSK App

- When installing Samsung Retail Mode app, two APPs are installed automatically. (GSK, GSK Watcher)
- Please be sure to run the GSK Watcher app first.
- If the GSK app is launched first, it will automatically switch to the GSK Watcher.

1 Please be sure to run the Watcher app first.
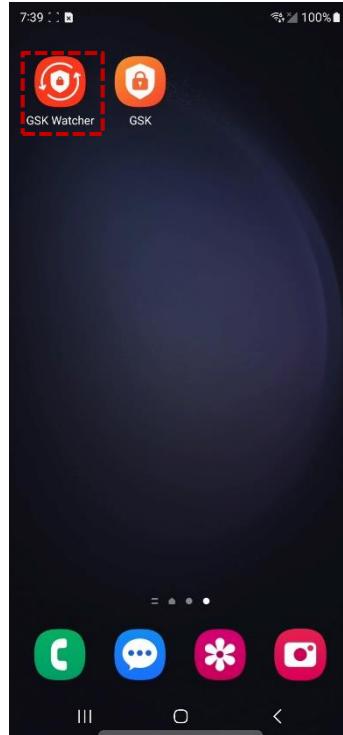
2 Please allow all permissions.

3 Click "Go to GSK app"

GSK Watcher

Allow access to use the app.

- ☑ Allow full access
- ☑ Allow to display over other apps (required)
- ☑ Allow access to disturb permission (required)

If you do not grant required permissions, use of some services may be restricted.

Next

Main

ⓘ The setup for the GSK Watcher app is complete. Please switch to the GSK app.

Device S/N

Model : Galaxy S24 Ultra
S/N : 123456789
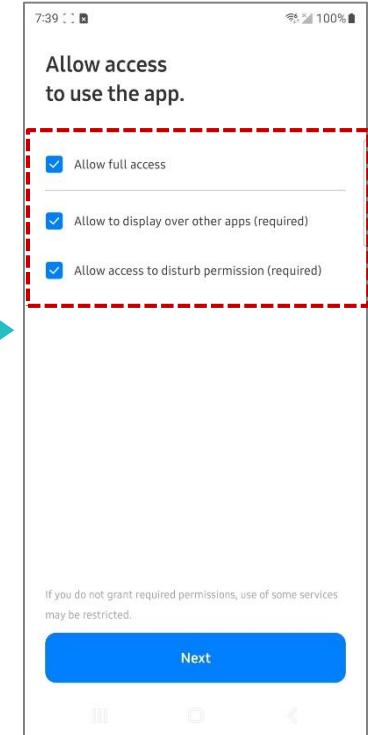
Go to GSK app

3 Launch the GSK app and select 'Galaxy Smart Keeper'.

GSK

Select the security system to be applied to the display device.

- ⦿ Galaxy Smart Keeper
- ○ Galaxy Keeper 2.0

Confirm

25

Installing the GSK App

- Proceed the setup in the following order after activating the GSK app

1

Select 'Galaxy Smart Keeper'

Select the security system to be applied to the display device.

◉ Galaxy Smart Keeper
○ Galaxy Keeper 2.0

Confirm
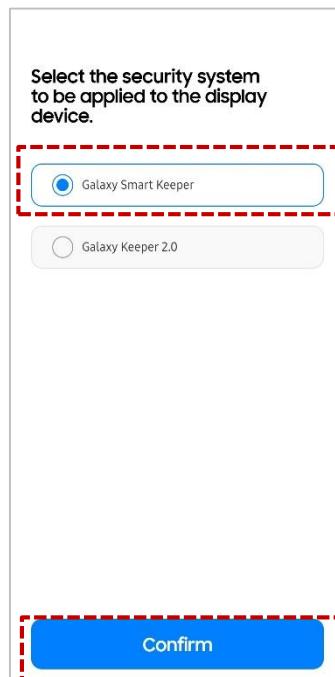
* If you want to use GK2.0, select and enter the GK2.0 app

2

Select 'allow' for all three requested permissions

Allow access to use the app.

☑ Allow full access
☑ Allow access to camera (required)
☑ Allow access to Bluetooth (required)
☑ Allow access to location (required)
☑ Allow access to notification (required)
☑ Allow to display over other apps (required)
☑ Disable the battery optimization (required)
☑ Allow access to disturb permission (required)

If you do not grant required permissions, use of some services may be restricted.

Next

Allow access to use the app.

☑ Allow full access
☑ Allow access to camera (required)
☑ Allow access to Bluetooth (required)
☑ Allow access to location (required)

Allow **GSK** to access this device's location?

Precise   Approximate

While using the app

Only this time

Don't allow

← Location permission

GSK

Location access for this app

◉ Allow all the time
○ Allow only while using the app
○ Ask every time
○ Don't allow

Use precise location
When precise location is off, apps can access your approximate location

See all GSK permissions
See all apps with this permission

3

The 'Register Device' screen will appear after allowing all permissions

Register device

Register your device by pressing the Plus button at the top of the Manager app.

My device

Model : Galaxy S24 Ultra
S/N : 123456789

Do not close the screen during the registration process.
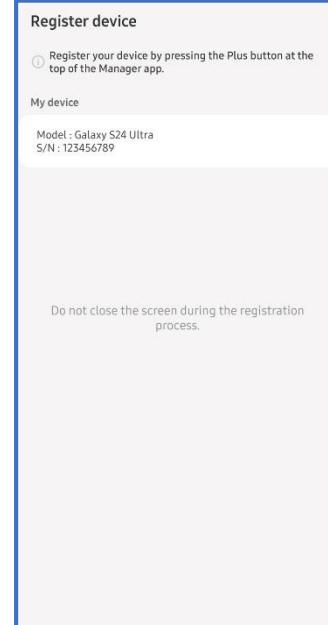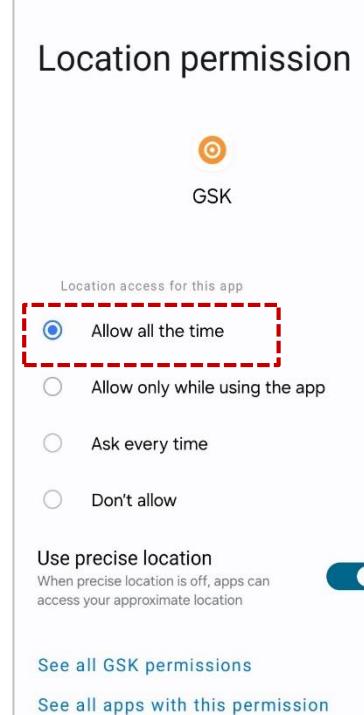
* Continue the process on the next page

26

8

Device Registration

Device Registration

Connecting Controller to GSK

Setting GSK App Function

Security Range Settings and Alarms: Alarm Screen

Device Registration

- Run the Manager app while the 'Device Registration' screen is open in the GSK app to sync them.
- Set up as below both in the Manager app and GSK app
   *Make sure the controller is registered with Manager app. (Refer to the page 14).

1 Leave the GSK app page on while setting up the manager app as described on the left

GSK app

2 Click '+' button

Manager app

3 Select the detected device

Manager app

4 If you register the device model or color by name, it will be easy to find later

Manager app

5 Select the desired mode

*Proceed after completing device registration in the Manager app

only one mode can be selected

GSK app

6 Click the 'Close' button when the registration is complete.

Manager app

28

Connecting Controller to GSK

- Click 'Controller' in the bottom left to connect the controller to the GSK app

1

Tap '+' to connect the controller to the device
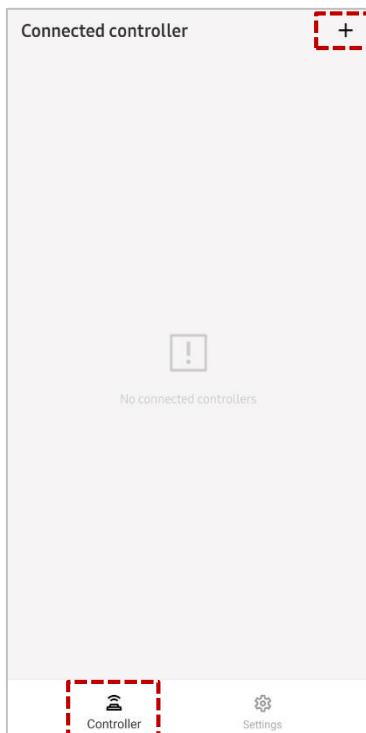
2

Choose how to connect to the controller

*When connecting by 'Find QR Code', be sure to connect only the controller registered with the manager app
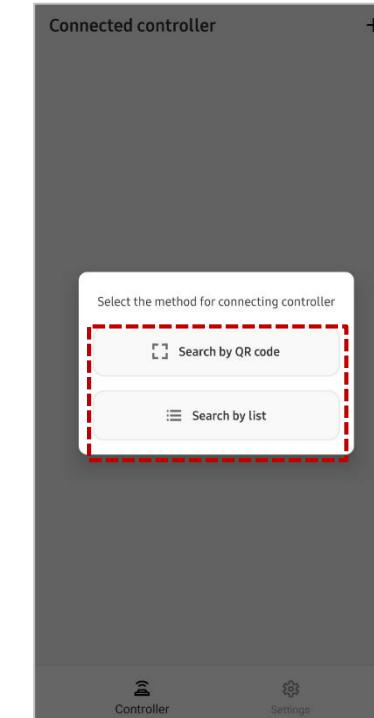
① **Find QR Code**
Scan the QR code on the back of the controller

② **Find in the list**
Select from the list of controllers registered in the Manager app
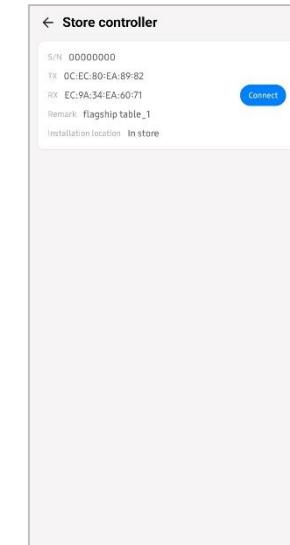
3

The controller is connected

29
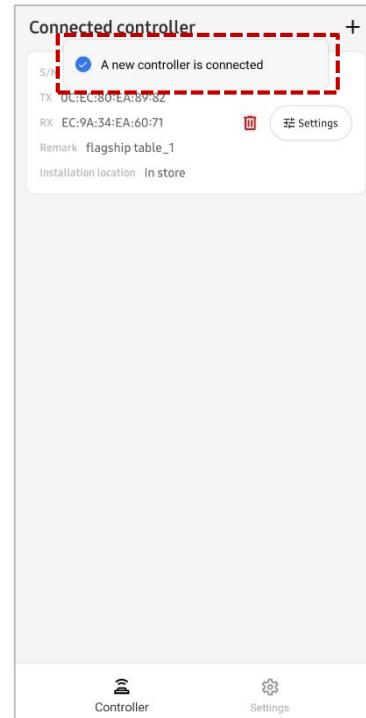
Setting GSK App Function

- You can set up the GSK app by clicking 'Setting'

Settings

Check operating hours ────── You can check the operating hours of the device.

GSK On/Off ────── GSK operation can be turned on/off

Security type ────── You can choose the type of security

○ Wireless   ○ Wired

Operation Mode ────── You can set the operation mode

Distance Mode | Area Mode | Fence Mode | Pin Mode

Distance mode to lock ────── You can set the distance to lock

3m | 5m   ※ The default setting is '5m'.

Device warning alarm volume ────── You can adjust the volume of the warning alarm

100%

Reset store information ────── You can initialize the app

Change system ────── You can change to GK2.0 app. GSK app will be initialized.

Controller | Settings

30

GSK Warning Alarm Screen_Phone

- The warning alarm will sound with a notification as shown below if you go out of the set range.
- When the user moves more than 3m away from the controller, a notification will appear. If the user moves more than 5m away, a first warning alarm will sound for 5 seconds, followed by a second warning alarm.
- Each model has preset configurations for 3m and 5m distances, so there's no need for manual measurement each time.
- The notification is only provided when set to 5m setting in distance mode

Screen when out of security range

Phone

Notification
Toast Alarm Only

First warning alarm
Full Screen Alarm +
Lock mode

Second warning alarm
Full Screen Alarm +
Lock mode
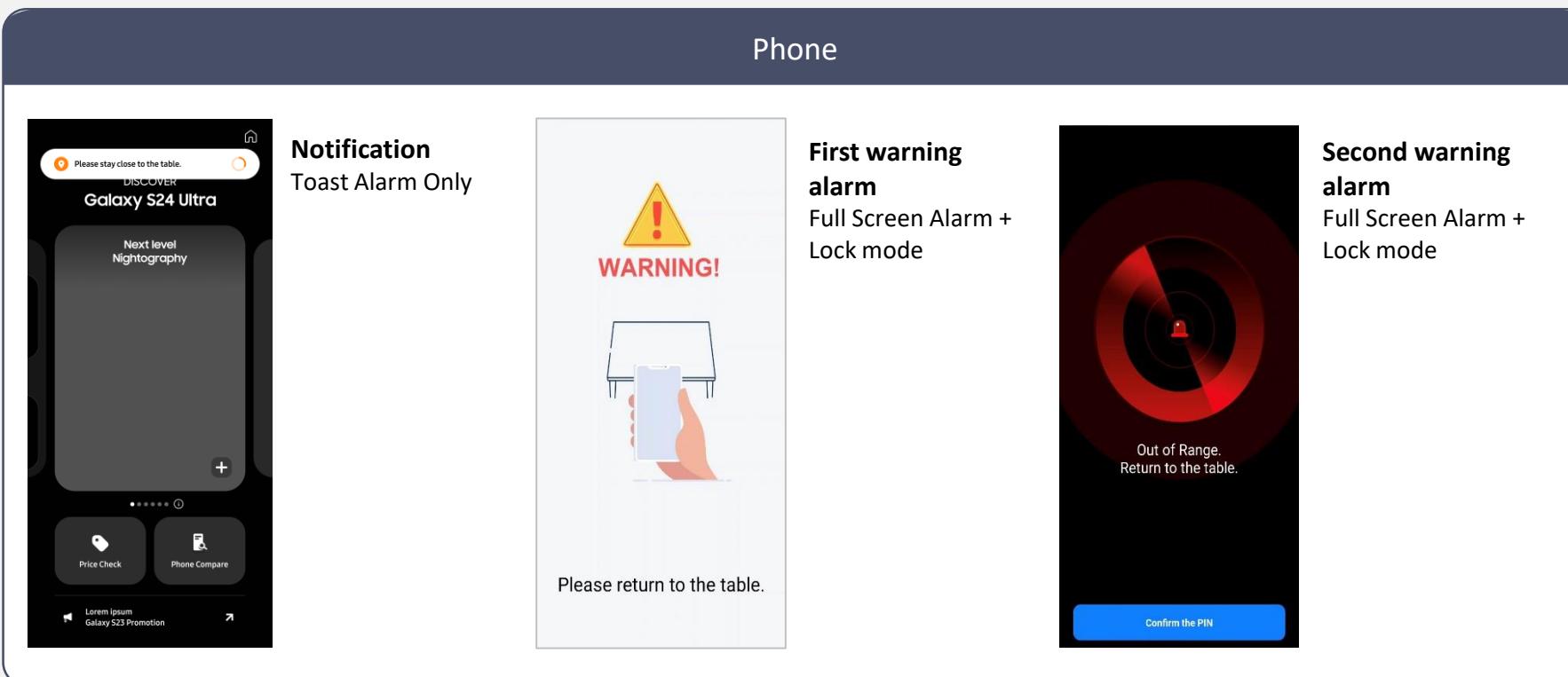
GSK Warning Alarm Screen_Watch

- The warning alarm will sound with a notification as shown below if you go out of the set range.
- When the user moves more than 3m away from the controller, a notification will appear. If the user moves more than 5m away, a first warning alarm will sound for 5 seconds, followed by a second warning alarm.
- Each model has preset configurations for 3m and 5m distances, so there's no need for manual measurement each time.
- The primary notification is provided when set to 5m setting in distance mode

Screen when out of security range

Watch

Notification
Toast Alarm Only

Please stay close to the table.

First warning alarm
Full Screen Alarm + Lock mode

Please return to the table.

Second warning alarm
Full Screen Alarm + Lock mode + Controller warning Alarm

Out of Range.
Return to the table.

PIN

Security range settings and alarms: How to unlock & enter the GSK app

- When the warning alarm is triggered, the device will be unlocked automatically when it returns near the table.
- If you want to unlock the device when the controller is not connected or is outside the security range, please follow the process below.

1 Tap the Enter PIN button to unlock the lock

GSK app

**2** Please check the 4-digit key code displayed on the screen.
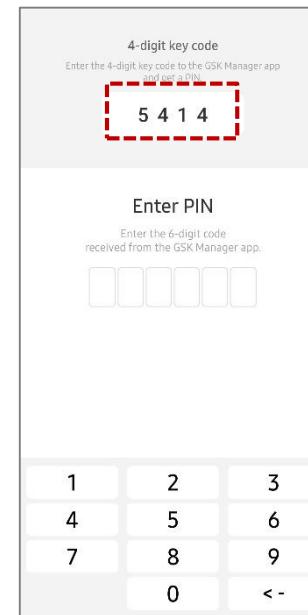
GSK app

3 Enter the GSK Manager app and tap the key icon at the bottom centre
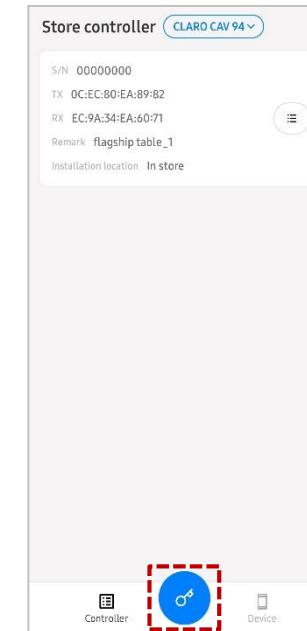
Manager app

**4** Enter 4-digits that checked in the GSK app
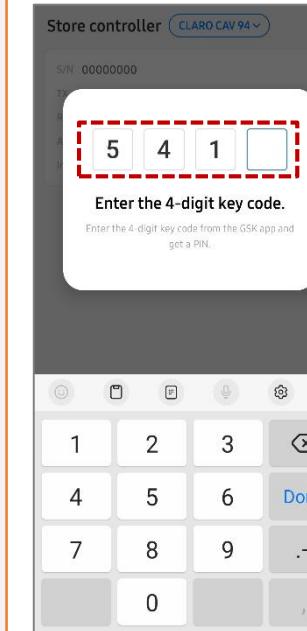
Manager app

5 Check the GSK app Pin number on the screen
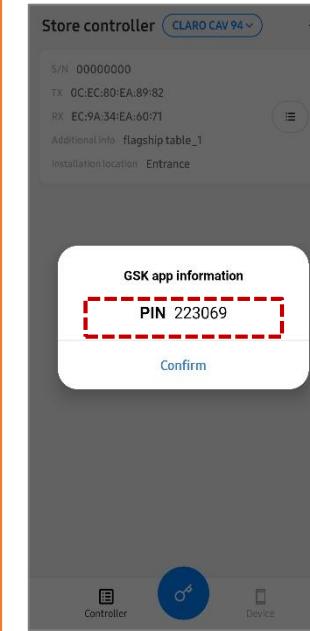
Manager app

6 Enter the Pin number in the GSK app and unlock
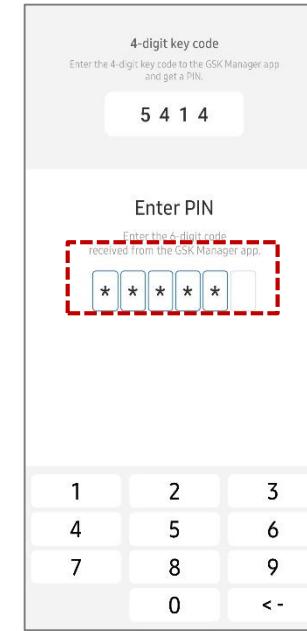
GSK app

FCC Information to User

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.

Caution
Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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.

IMPORTANT NOTE:
FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.