Gamma tech
SMART HOME SOLUTION

USER MANUAL

G - MAGIX BOX



CONTENTS

A. GENERAL INFORMATION
1. Product Description
2. Specification
3. Packaging and Storage
4. Parameters

B. EQUIPMENT LIST
1. Equipment list

C. INSTALLATION INSTRUCTIONS
1. Technical Requirements
2. Product inspection and Storage
3. Carefully review and comprehend the Instructional Materials

D. USER MANUAL
1. Control via buttons
1.1 Smart Buttons
1.2 SOS Switch
2. Control via app
3. Changing the Login Password for the Control App on Your Mobile Device
4. User Guide for Sensors, Security, and Timers
4.1 Sensors
4.2 Security
4.3 Timers

E. COMMON SCENARIOS

A. GENERAL INFORMATION

1. Product Description

The G-Magix Control Cabinet (G-Magix Box) is a product set comprising various electrical, electronic devices, and other components. These devices have been installed, programmed, parameterized, and integrated by Gamma Tech, packaged and ready to create smart control features for residential electrical devices.

The G-Magix Control Cabinet offers an optimal smart electrical solution for residential projects such as apartments, townhouses, small villas, or shop houses.

Equipped with built-in smart features, the G-Magix Control Cabinet includes functionalities for lighting control, curtain control, miniature landscape pump control, hot water tank control, intruder prevention security, monitoring of entry and exit doors, emergency status reporting and control, and remote system monitoring via smartphone, tablet, or desktop computer.

2. Specification

Technical standards for cabinet casing	IEC 60 695 - 2 - 1/0, RoHS, WEEE
Standards for control devices	EN61000-6-1, EN61000-6-3
Standards for EIB signal cables	RoHS
Technical standards for circuit breakers	IEC 60947-2, IEC 60898-1
Technical standards for sensors	EN 60669-1, EN 60669-2-1, EN 61000-6-3

3. Packaging and Storage:

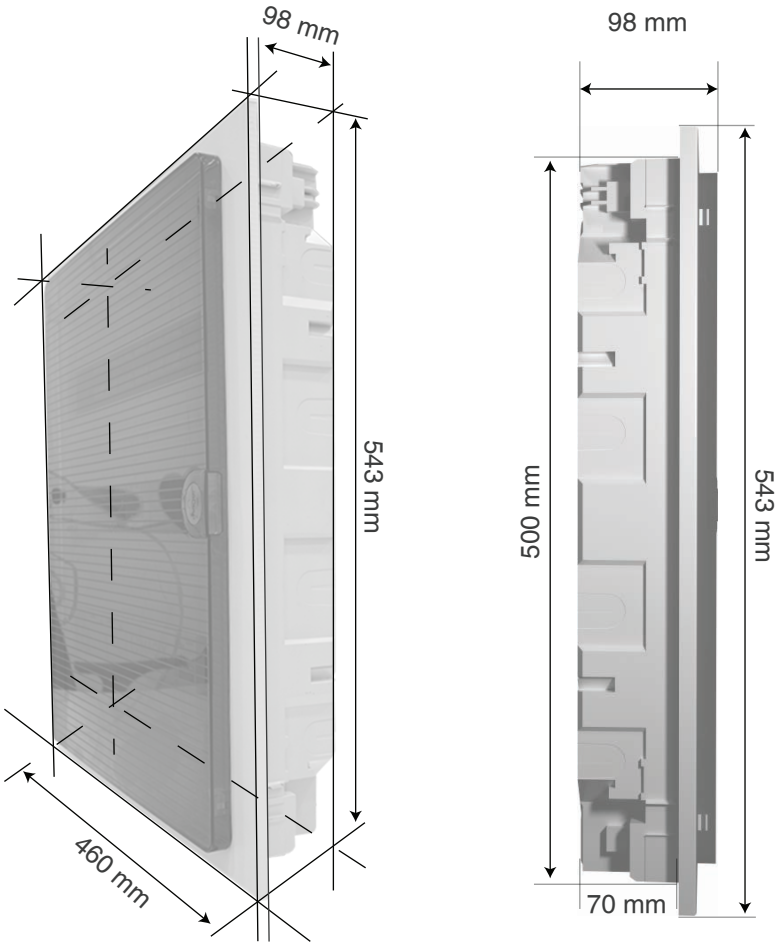
The G-Magix Control Cabinet product set is fully packaged along with accompanying accessories in one (1) carton box (dimensions 630x525x165mm (HWD)), featuring protective foam inserts inside to facilitate easy and secure transportation

The product must be stored in a dry place, at temperatures below 40 degrees Celsius, away from fire, water, and should not be exposed to outdoor conditions.

A damaged, deformed, or dampened box is considered not meeting the technical standards and should not be used.

4. Parameters

Product Name	G-Magix Control Cabinet
Model	GM001
Brand	Gamma Tech
Installation Type	Flush-mounted or In-wall
Component Origin	Europe
Color/Material	White/PVC
Impact Resistance Standard	IK07
Dust and Moisture Resistance Standard	IP40
Voltage	100 - 240 VAC (50 Hz)
Control Technology	Standard KNX/EIB
Features	8 Basic functions
Rated Current for Controlling Load On/Off	15 x 12A
Rated Current for Controlling Curtain Motor	2 x 12A
Rated Current for Controlling High Power Load	2 x 25A
Maximum Power for Dimming Control	2 x 1KW
Number of "Scenarios"	Unlimited
Control Method	Smart Buttons
	Mobile Device
	Virtual Assistant
Operating Temperature	0° to 40° C
Storage Temperature	-15° to 40° C
Product Weight	7.0 kg
Packaging Weight	8.0 kg
Cabinet Dimensions (H *W *D)	543 x 460 x 98 mm
Box Dimensions (H *W *D)	543 x 460 x 98 mm
Packaging Dimensions (H *W *D)	630 x 525 x 165 mm
Warranty: 24 months	24 months



Flush-mounted

B. EQUIPMENT LIST

G-Magix ControlCabinet

Image	Supplier	
 GM-001	SIEMENS	MADE IN GERMANY
	Schneider Electric	MADE IN FRANCE
	PHOENIX CONTACT	MADE IN GERMANY
	:hager	MADE IN GERMANY
	IDEC	MADE IN JAPAN

Peripheral devices

Devices	Image	Quantity	Suppliers	
Twisted Pair Shielded EIB Interference Cable		60m	LAPPKABEL	MADE IN GERMANY
Motion Sensor		03 units	steinel	MADE IN GERMANY
Magnetic Relay Switch		01 unit	Tyne Alarm Products	MADE IN USA
Presence Sensor and Air Quality Measurement		01 set	eelectron	MADE IN ITALY
SOS switch		01 unit	VIMAR energia positiva	MADE IN ITALY
Smart Push Button		24 buttons	ekinex CONTROL YOUR LIVING SPACE	MADE IN ITALY
Regular Button		15 pieces	VIMAR energia positiva	MADE IN ITALY
USB 3G		01 unit		MADE IN VIETNAM

C. INSTALLATION INSTRUCTIONS

1. Technical Requirements

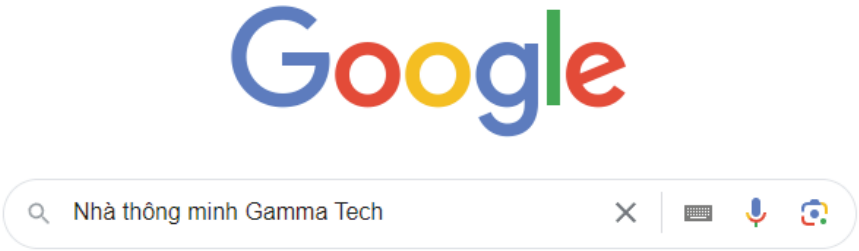
Installer of this product needs to have comprehensive knowledge of electrical and low-voltage system installation. They should conscientiously adhere to the procedures and regulations for installing electrical systems to ensure quality, safety, and to prevent unnecessary errors and accidents. They must have the necessary specialized equipment for the installation of electrical and low-voltage systems.

2. Product inspection and Storage

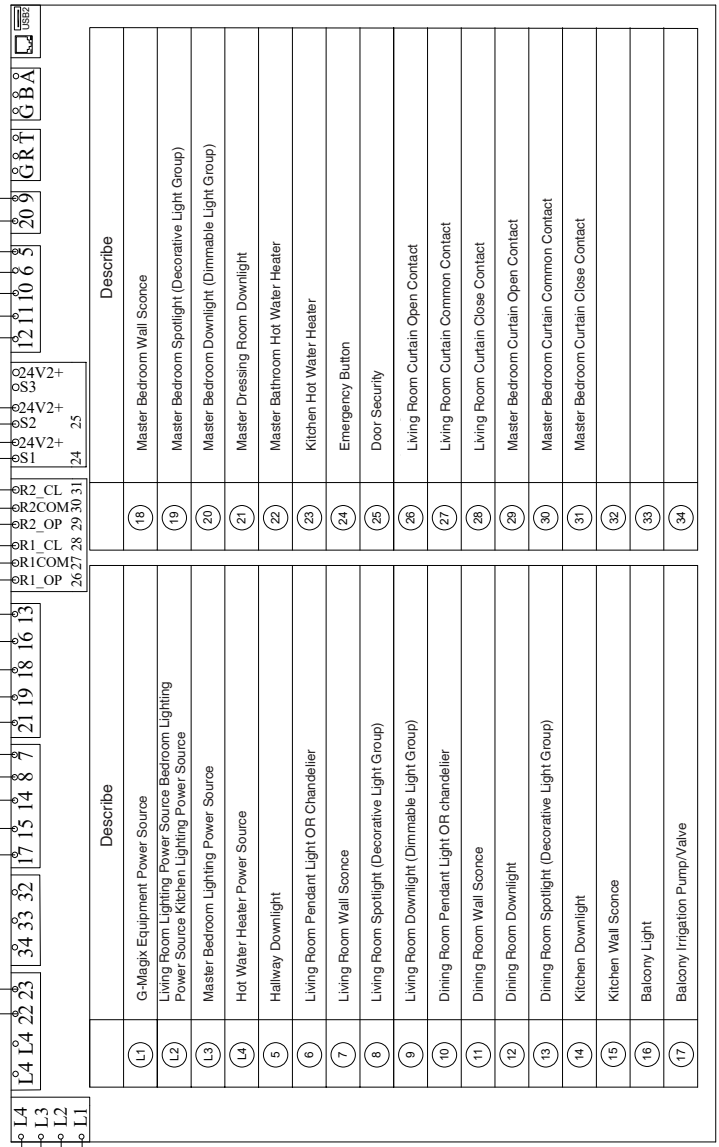
The product received before installation needs to be complete, undamaged, without dents, tears, or moisture. When opening the box, check whether the devices are deformed or show any signs of damage. If there is any doubt, you should not use them and immediately contact the manufacturer. Always store the product in a dry place, away from fire and water, and handle it with care during transportation to avoid impacts or breakage. Do not use sharp or hard objects to press buttons. Only use soft fabric or paper towels to clean the surfaces of buttons and sensors..

3. Carefully review and comprehend the Instructional Materials

It is necessary to study and thoroughly understand the principle diagrams as well as the wiring diagrams for each category in this documentation before commencing the installation. Refer to the latest guidance information updated on the website www.gammatech.com.vn or the technical support hotline at 0977345151.

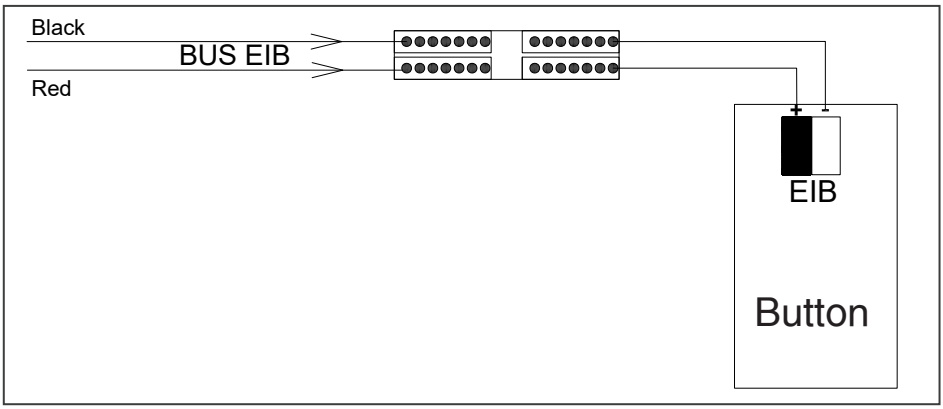


Sơ đồ đấu nối tổng quát của tủ điều khiển G-MAGIX

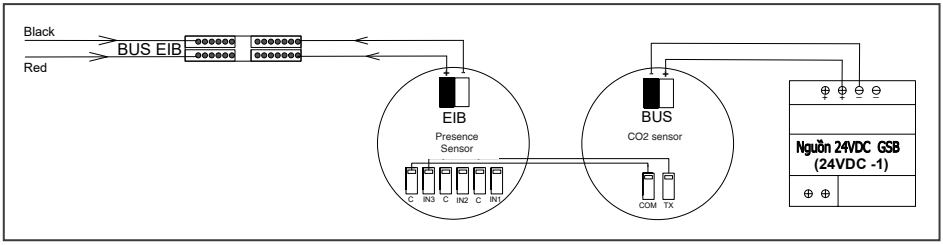


			Describe
L1	G-Magix Equipment Power Source	18	Master Bedroom Wall Sconce
L2	Living Room Lighting Power Source Bedroom Lighting Power Source Kitchen Lighting Power Source	19	Master Bedroom Spotlight (Decorative Light Group)
L3	Master Bedroom Lighting Power Source	20	Master Bedroom Downlight (Dimmable Light Group)
L4	Hot Water Heater Power Source	21	Master Dressing Room Downlight
5	Hallway Downlight	22	Master Bathroom Hot Water Heater
6	Living Room Pendant Light OR Chandelier	23	Kitchen Hot Water Heater
7	Living Room Wall Sconce	24	Emergency Button
8	Living Room Spotlight (Decorative Light Group)	25	Door Security
9	Living Room Downlight (Dimmable Light Group)	26	Living Room Curtain Open Contact
10	Dining Room Pendant Light OR chandelier	27	Living Room Curtain Common Contact
11	Dining Room Wall Sconce	28	Living Room Curtain Close Contact
12	Dining Room Downlight	29	Master Bedroom Curtain Open Contact
13	Dining Room Spotlight (Decorative Light Group)	30	Master Bedroom Curtain Common Contact
14	Kitchen Downlight	31	Master Bedroom Curtain Close Contact
15	Kitchen Wall Sconce	32	
16	Balcony Light	33	
17	Balcony Irrigation Pump/Valve	34	

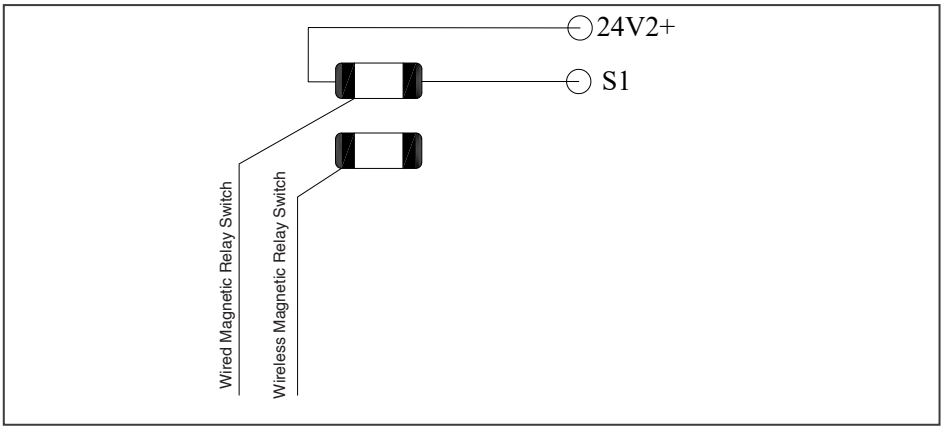
Connection diagram of the G-Magix control cabinet

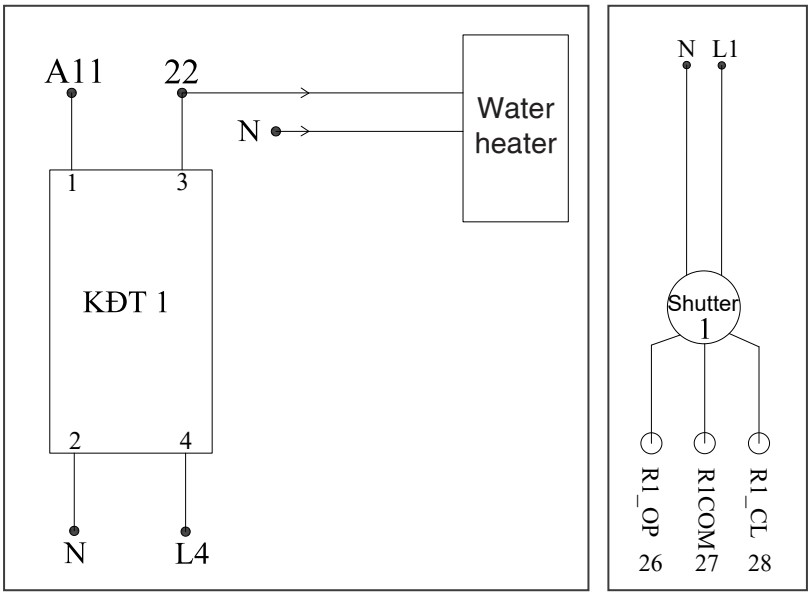


Connection diagram of the presence sensor combined with air quality monitoring with the G-MAGIX control cabinet



Connection diagram of the magnetic relay switch to the G-MAGIX control cabinet.





D. USER MANUAL

1. Control via buttons

1.1 Smart Buttons

+ Each smart button consists of 6 multifunctional press keys, each with status lights on every button.
+ Each press key corresponds to a feature or a smart "scene."
+ For example, a smart button placed in the living room may have features such as:



+ "Reception" Scenario: Art spotlights, coffee table lamp, and pendant light illuminate; Downlights shine at 40% intensity; background music plays at a moderate volume.
+ "Reception" Scenario: Art spotlights, coffee table lamp, and pendant light illuminate; Downlights shine at 40% intensity; background music plays at a moderate volume.
+ "ECO" Scenario: Art spotlights, coffee table lamp, and pendant light turn off; Downlights at 60% intensity.
+ "Dazzling" Scenario: Art spotlights, coffee table lamp, and pendant light illuminate; Downlights shine at 100% intensity; curtains open.
+ Curtain Control: A single press of the curtain button will open/close/pause.
+ "Away" Scenario: Art spotlights, coffee table lamp, and pendant light turn off; Downlights dim to 0%; curtains close; background music, TV, and sound system turn off.

Note: For lights with adjustable brightness, the lights will increase or decrease gradually to the set value to allow users to adapt to the changing light conditions.

1.2 SOS Switch

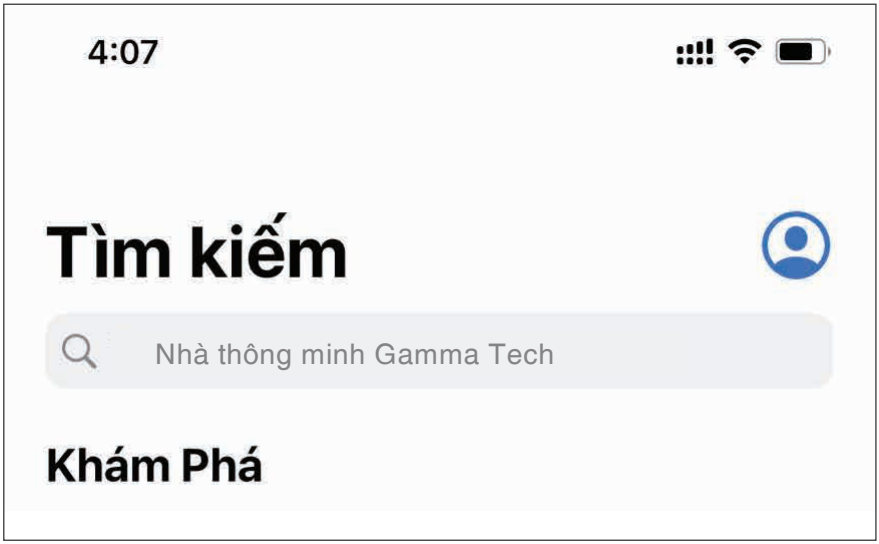
+ It is a push-release switch.
+ Used in emergency situations: Connects to a speaker for emergency audio alerts, simultaneously sends direct emails and messages to designated family members, building management, local security authorities, and an unlimited number of recipients.



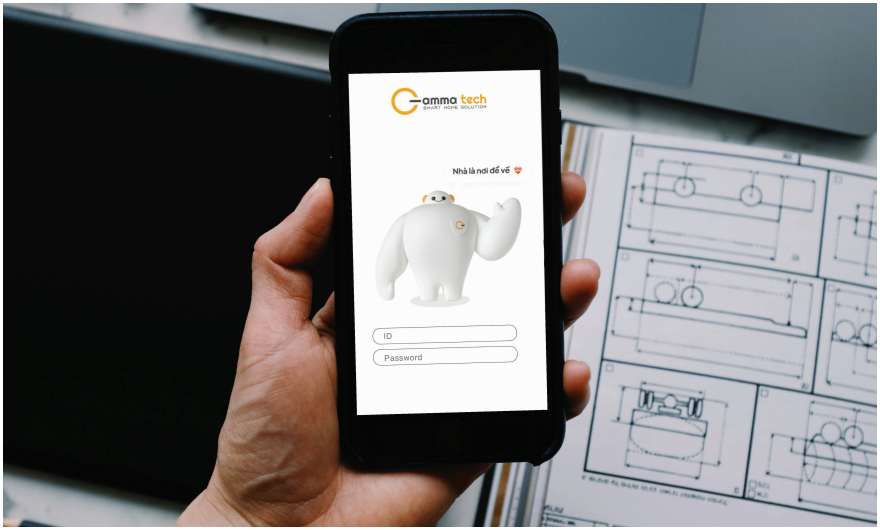
Image 1: SOS Switch

2. Control via app

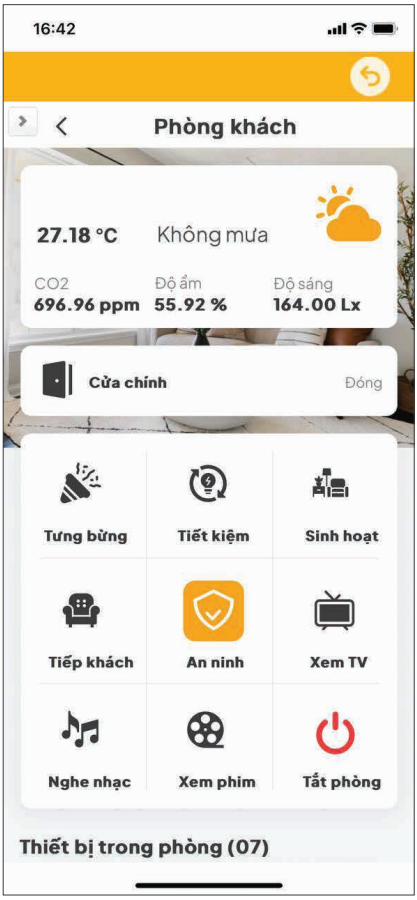
Step 1: Download the app on Google Play or the App Store



Step 2: Log in to your account using the ID and password provided by Gamma Tech.



Step 3: Control and monitor





Note:

- The background image will be based on an actual photo of the customer's apartment's main room/area.
- To control devices, customers need to access the interface of the corresponding room.
- When the icon changes color, the action has been executed.
- The screen always displays information: CO2 concentration (ppm), light intensity (Lux), air humidity (%), temperature (°C), and the open/close status of the main door.
- In case the app is not found or there is no access to the Gamma Tech provided account, please contact our service center via the hotline: 0977.345.151.

3. Changing the Login Password for the Control App on Your Mobile Device

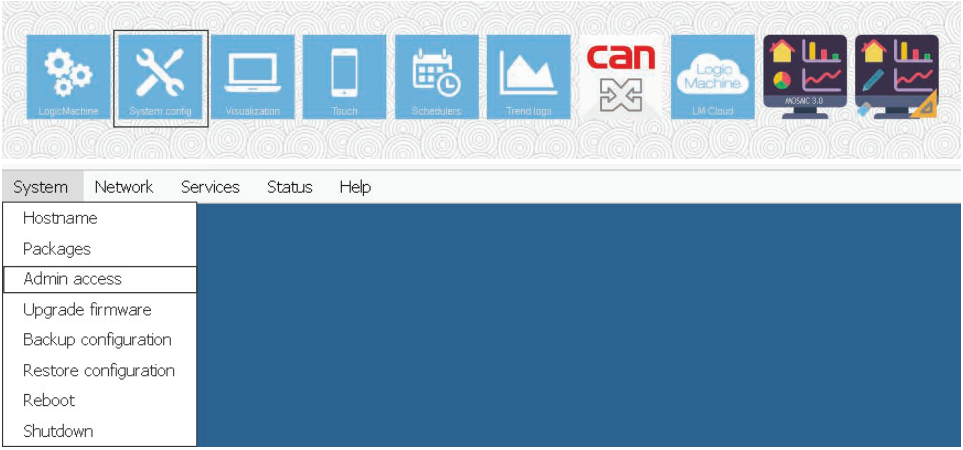
To change your password, please follow these steps:

- Step 1: Connect to Wi-Fi and use a web browser to access the LAN address (Default address is 192.168.1.10). The login screen will appear.

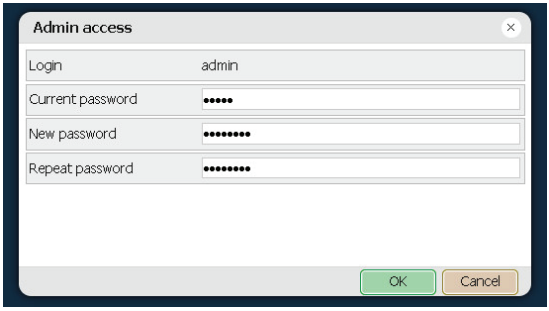
- Step 2: Log in (The default credentials are Username: admin; Password: admin), then click on "Sign In."



- Step 3: Left-click on "**System config**", Move the mouse to "**System**" and then Select "**Admin access**"



- Step 4: Afterward, change the password according to your preference. Enter the current password, then input the new password. Proceed to re-enter the password in the 'Repeat Password' field, click 'OK' to save the changes.



4. User Guide for Sensors, Security, and Timers

1. Sensors

- Motion Sensor:

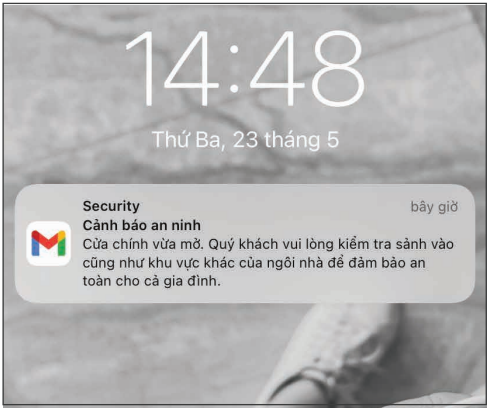
+ Installed in designated areas, when motion is detected within the sensor range (up to 8m), it activates the lights in the illuminated area. After a set time (5s – 1200s) without motion detection, the lights will automatically turn off.
+ Typically installed in hallways, entrance lobbies, restrooms, etc.

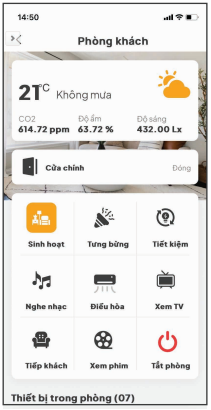
- Presence Sensor Combined with Air Quality Measurement:

+ The sensor automatically measures parameters such as temperature, humidity, CO2 concentration, and light intensity. The measured values are displayed on the control app interface and are continuously updated.
+ The sensor autonomously detects people within its scanning range and controls devices such as lights and curtains...
+ The sensor autonomously detects people within its scanning range and controls devices such as lights and curtains.

2. Security

- Customers can monitor the open/close status of doors on the control app interface.
- When customers activate the "Security" feature, if the main door is opened, alert notifications will be sent directly to the customer's phone via email, text message, etc., and there is no limit on the number of notifications.





3. Timers

- Integrated Scheduled Features:

+ Some features are equipped with fixed-time scheduling capabilities, such as turning on/off irrigation systems, controlling hot water tanks, balcony lights, opening/closing curtains, etc.
+ After being scheduled, these devices will operate automatically without the need for manual control through physical buttons or the app.

- Seasonal Modes:

+ Users can also choose seasonal modes, with each season having a specific timeframe and different settings.
+ The system accommodates multiple seasons, allowing users to select different modes and timings based on seasonal variations.

E. COMMON SCENARIOS

STT	SCENARIOS	SOLUTION
1	Unable to control any smart buttons; pressing them has no effect.	This phenomenon may be due to a malfunction in the control system power supply (EIB), an interruption, or a circuit breaker supplying power to the source device being tripped. It is advisable to promptly contact the installation technician for the safest resolution.
2	All control buttons are functioning properly, but one button is not working.	This phenomenon may be due to a malfunction in this particular button, possibly caused by water ingress or incorrect reassembly during the installation process. It is recommended to contact the supplying and installing entity for assistance.
3	When using the application, customers can access the control interface but are unable to operate it.	This case may be due to the application or your phone being frozen or unresponsive. Please exit the application, reopen it, and try again. You can also attempt to resolve the issue by restarting your device. If the problem persists, please contact the supplying and installing entity for assistance
4	I changed the password for the Gamma Tech control app and cannot remember the new password.	In this case, please contact the service center for assistance.
5	Regarding the available scenarios, can I modify them on my own?	In case customers want to modify the scenario, please get in touch with the provider or installer.
6	I am currently using the Gamma Tech smart home package and now I want to add smart features in the bedroom. Is it possible?	Depending on the model of the control cabinet and the number of features designed and implemented in your home space, Gamma Tech will provide advice, design additional solutions, and expand to ensure the most cost-effective and efficient outcomes.

Note: In addition to the above situations, customers need to call the center immediately support from Gamma Tech, or the nearest dealer



"Thank you for your trust and choosing Gamma Tech's smart home control system!"

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