



User Manual

DNAKE AC02C



REMARK

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.

The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.

CATALOG

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PRODUCT FEATURE

1. 50mm width slim design, suitable for narrow installation scenario
2. Multiple unlock method includes: RFID, NFC, Bluetooth, App remotely unlock
3. Support Wiegand & RS485
4. Flush mounted & surface mounted
5. IP65 & IK08

TECHNICAL PARAMETER

Power Supply: PoE or DC 12V/2A

RFID Reader: 13.56MHz and 125kHz

Working Temperature: -40°C to +55°C

Storage Temperature: -40°C to +70°C

Working Humidity: 10% to 90% (non-condensing)

PACKAGE CONTENT

MODEL: AC02C (Surface mounting)



AC02C



Outlet Seal Plug



Junction Pressing
Plate



Screw (FM2*6,4
pcs)



Screw (TM3*4)



Torx
Screwdriver(T10)



Screw (FA4*25,4
PCS)



Screw Fixing Seat
(4 pcs)



Rear Cover

MODEL: AC02C (Flush mounting)



AC02C



Outlet Seal Plug



Junction Pressing
Plate



Screw (FM2*6,4
pcs)



Screw (TM3*4)



Torx
Screwdriver(T10)



Screw (FA4*25,4
PCS)

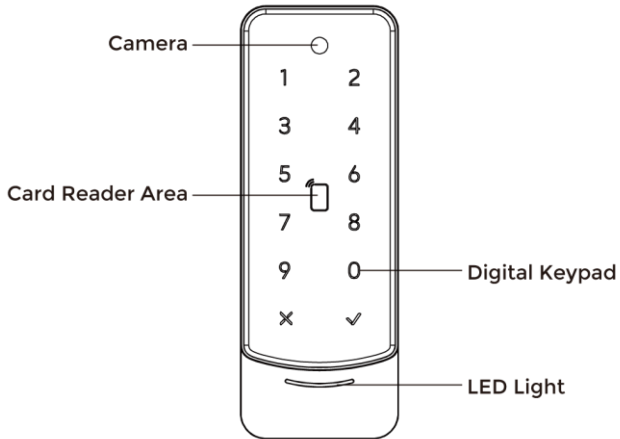


Screw Fixing Seat
(4 pcs)



Flush Mounting
Box

OVERVIEW



Note:

LED light: The light is used to display the running status of the device and the unlocking status

Relay Outputs: Supports 1 relay output.

Camera: It is used for QR Code unlock

BASIC OPERATION

1. Add Cards by Admin Card

1.1. Add other cards

Step 1: Tap the admin card once;

Step 2: And then tap other cards immediately. Other cards you have tapped can be used to open the door;

Step 3: Tap the admin card again to finish.

1.2. Delete other cards one by one

Step 1: Tap the admin card twice;

Step 2: And then tap other cards immediately. Other cards you have tapped will be deleted;

Step 3: Tap the admin card again to finish.

1.3. Delete all other cards

Tap the admin card five times. All the other cards will be deleted.

Tips: The admin card can only be used to manage cards. It cannot be used to open the door.

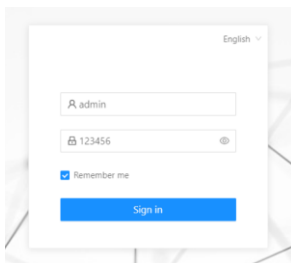
2. IP Broadcasting

If you want to check the IP address of the device, you can short press the RESET button of the device or press and hold the "✓" button on the device screen for 5 seconds, and the device will broadcast the current IP address.

WEB SETTING

Connect Access Control and PC to a network switch in the same LAN. You can enter the IP address of Access Control in the web browser search bar and log in with the default account (admin) and password (123456). This is where you can configure the device.

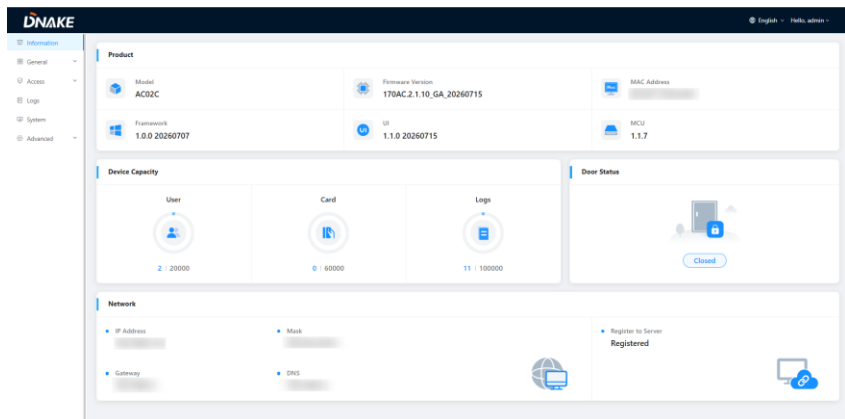
To get the IP address, you can search by DNAKE Remote Upgrade Tool installed in the same LAN with the devices.



1. Information

1.1. Information

When you first log in to the web interface, you can find basic information displayed in this dashboard.



Product	Model:	Model of the device;
	Firmware Version:	Firmware version of the device;
	MAC Address:	MAC address of the device;
	Framework:	Framework of the device;
	UI:	UI of the device;
	MCU:	MCU of the device;
Device Capacity	Device Capacity:	You can check the remaining capacity of the User Card and Logs;
Door Status	Door Status:	Status of Door;
Network	IP Address:	Current IP address of the device;
	Mask:	Subnet mask of the device;
	Gateway:	Gateway of the device;
	DNS:	Domain Name Server of the device;
Register to Server	Register To	Displays the selected cloud service type and its current status.

2. General

2.1. General > Basic

Device, Volume and Tamper of the device can be configured in this column.

Information

General

Basic

Time

Video

Network

Password

Access

Logs

System

Advanced

Device Manager Server

Register to
Cloud Service

Site ID
123456789

Node: Western-America(Connected)

Save

Device

Device Name
MC 2 / 30

Building No.

Unit No.

Apartment No.

* Device No.
1

Information

General

Basic

Time

Video

Network

Password

Access

Logs

System

Advanced

Volume

System

Save

Keypad

Mode
Auto Sleep After 10s

Save

Tamper

Tamper Alarm

Save

Device Manager Server	Register to	Configure CMS or Cloud Platform device management server the device registers with
	Site ID / CMS IP	When Cloud Platform Service is selected, enter the corresponding Site ID in this field.

		When CMS service is selected, enter the corresponding CMS IP in this field.
	Node	Node information of the management server to which the device is connected.
Device	Building No.:	Number of the Building (Range: 1-999);
	Unit No.:	Number of the Unit (Range: 1-99);
	Apartment No.:	Number of the Apartment (Range: 1-9899);
	Device No.	Number of the Device (Range: 1-99);
Volume	Volume:	Volume of system can be set from 1 to 6;
Keypad	Mode	Configure the keypad backlight timeout for the device.
Tamper	Tamper:	Enable to use Tamper alarm on the back of the device;

2.2. General > Time

Time of the device can be configured. Daylight Saving Time is also supported.

DNAKE English Help address

Information
General
Basic
Time
Video
Network
Password
Access
Logs
System
Advanced

Time

☒ Auto (Time)

DateTime: 2020-07-10 10:00:00

NTP URL: pool.ntp.org

Time Zone: UTC+08:00

[Save](#)

Daylight saving Time

☐ Daylight-saving Time

Start Time: January 1, 2020

End Time: February 1, 2020

Offset Time: 00 min

[Save](#)

Time	Auto (Time):	Enable to synchronize computer time;
	Date & Time:	Date and time can be set manually;
	NTP URL:	Network Time Protocol (NTP) is a protocol used to synchronize computer time;
	Time Zone:	A region that observes a uniform standard time;
Daylight-saving Time	Daylight-saving Time:	Enable or disable to set DST;
	Start Time:	The beginning of DST;
	End Time:	The ending of DST;
	Offset Time:	The default value is 60 minutes;

2.3. General > Video

Video Stream Setting

☐ Video Stream

☐ 2nd Video Stream

* Username

* Password

Save

Video Stream Setting	Video Stream:	Enable main video stream for RTSP or Onvif; Format: rtsp://admin:123456@ ip address :8554/ch01
	2nd Video Stream:	Enable sub video stream for RTSP or Onvif; Format: rtsp://admin:123456@ ip address :8554/ch01/sub

	Username:	Set the username for video stream URL;
	Password:	Set the password for video stream URL;
Video Parameter	Video Resolution:	Set the resolution for main video stream;
	Video Framerate:	Set the framerate for main video stream;
	Video Bitrate:	Set the bitrate for main video stream;
	2nd Video Resolution:	Set the resolution for sub video stream;
	2nd Video Framerate:	Set the framerate for sub video stream;
	2nd Video Bitrate:	Set the bitrate for sub video stream;

2.4. General > Network

The device network can be set to either DHCP or a static IP address.

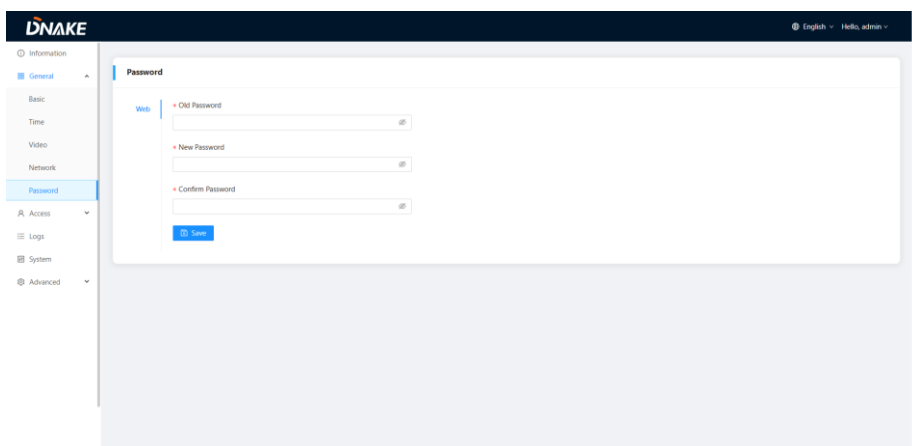
The screenshot shows the DVAKE web interface. On the left is a sidebar menu with options: Information, General (selected), Basic, Time, Video, Network (highlighted), Password, Access, Logs, System, and Advanced. The main content area is titled 'Network'. At the top, there is a 'DHCP' toggle switch which is currently turned on. Below this, there are four input fields, each preceded by a red plus icon: 'IP Address', 'Mask', 'Gateway', and 'DNS'. At the bottom of the configuration area is a blue 'Save' button.

DHCP:	Enable DHCP (Dynamic Host Configuration Protocol) to dynamically distribute network configuration parameters;
-------	---

IP Address:	Configure Static IP address to manually distribute network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which use different protocols;
DNS:	Domain Name Server of the device;

2.5. General > Password

The Web password is for the administrator to log in settings on the web. The default password is 123456.

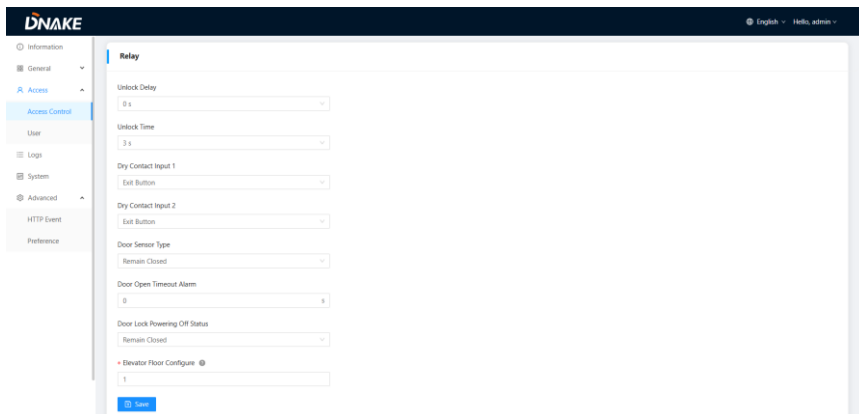


Web Old Password:	Current administrator password of the web (Default 123456);
Web New Password:	New administrator password of the web;
Web Confirm Password:	Confirm administrator password of the web;

3. Access

3.1. Access > Access Control

Relays, Access Cards, Wiegand Transfer Mode and Event Storage can be configured here.



3.1.1. Access Control > Relay

Relay

Unlock Delay

0 s

Unlock Time

3 s

Dry Contact Input 1

Exit Button

Dry Contact Input 2

Exit Button

Door Sensor Type

Remain Closed

Door Open Timeout Alarm

0 s

Door Lock Powering Off Status

Remain Closed

Elevator Floor Configure

1

Save

Unlock Delay:	The length of unlock delay time (0-9s);
Unlock Time:	The length of unlock time (1-9s);
Dry Contact Input 1-2:	3 modes of dry contact inputs are supported (Exit Button, Door Sensor, Fire Linkage);
Door Sensor Type:	2 types of door sensor are supported (Remain Closed, Remain Open)

Door open Timeout Alarm:	Set the door open timeout (0-255s)
Door Lock Powering Off Status:	2 types of door lock powering off status are supported (Remain Closed, Remain Open)
Elevator Floor Configure:	You can set the AC to the current floor (-9-99)

3.1.2. Access Control > Card

Card

Master Card

Card Reading Mode

Full Card No.

Card Order

Normal

Card Display Mode

Hexadecimal

Mifare Card Encryption

Sector

Block

Block Key

Block Key

Block Key

Save

Master Card:	Click read to add Master card to manage cards;
Card Reading Mode:	When reading the card, the card information will display different data according to different modes (Default Mode or Full Card No.);
Card Order:	Select the reading order, which affects how the card data is displayed (Normal or Reversed);
Card Display Mode:	Select the card information display format (Hexadecimal or Decimal);
MIFARE Card Encryption:	Enable or disable the MIFARE Card Encryption;
Sector:	Select the sector to read the MIFARE card (0~15);
Block:	Select the block of sector to read the MIFARE card (0~3);

Block Key:

You can enter the MIFARE card's encryption key here;

3.1.3. Access Control > Public PIN

In this section, you can create, edit, and delete Public PIN Codes.

Public PIN

[+ Add](#) [Delete All](#)

No.	PIN	Relay	Action
1	0000	1	Edit

Only add up to 100 unlock PIN.

3.1.4. Access Control > Wiegand Setting

Wiegand Setting

Wiegand Transfer Mode

Wiegand Output Mode

Wiegand Output Bits

Wiegand Output Type

Wiegand Output Data Order

Wiegand Input Bits

Wiegand Input Type

Wiegand Input Data Order

[Save](#)

Wiegand Transfer Mode:	Select Transfer Mode of Wiegand port (Input or Output);
Wiegand Output Mode	Select Output Mode of Wiegand port (Access Control or Reader);
Wiegand Output Bits:	Select Output Bits (26,34 or 58);
Wiegand Output Type:	Select Output Type;
Wiegand Output Data Order	Select Output Data Order of Wiegand port (Normal or Reversed)
Wiegand Input Bits:	Select Input Bits (26,34 or 58)

Wiegand Input Type:	Select Input Type;
Wiegand Input Data Order	Select Input Data Order of Wiegand port (Normal or Reversed)

3.1.5. Access Control > Log Storage

Log Storage

Logs Storage Type
 Circular Overwrite Logs

Delete Log When Storage Full ①
 300 logs

Save

Logs Storage Type:	You can set different storage method (Circular overwrite logs, delete old logs periodically, delete old logs by specified time;)
Delete Log When Storage Full:	When the unlocking record is full, if you want to store a new unlocking record, the device will delete the entry from beginning. You can set the specific quantity (0~999, Default is 300);

3.1.6. Access Control > Authentication Setting

Authentication Setting

Authentication Mode
 Any Method

* Authentication Interval ①
 0

☐ Activate Free Access with First Unlock ①

☒ Open Relay via HTTP ①

* Username
 admin

* Password

☐ Blocklist Alarm ①

☐ Alarm of Max Failed Attempts ①
 5

Save

Authentication Mode:	Any Mode: you can use card or password to unlock Card + Password: you need to use card and password together to unlock;
Authentication Interval:	Each user can only unlock once successfully per configured period (0-65535);
Activate Free Access with First Unlock	When this function is enabled, free access rule will be activated after the first successful unlock
Open Relay via HTTP	Configure whether third-party devices can use http to unlock. If enabled, third parties can use http commands to unlock.
Username	The username of HTTP open relay function
Password	The password of HTTP open relay function
Blocklist Alarm:	Device will trigger a 30s alert after identify a blocklist user;
Alarm of Max Failed Attempts:	Device will trigger a 10s alert after max times of failed verification (1-10);

3.1.7. Access Control > RS485 Setting

RS485 Setting

Baud Rate

9600

Transfer Mode

Output

Peripheral Type

Security Relay Module

Security Relay Mode (1)

Security

Save

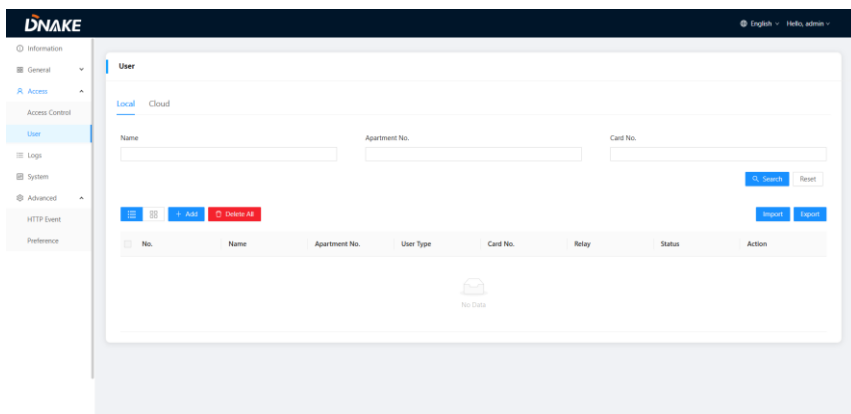
RS485 Setting	Baud Rate	The baud rate of RS485 interface
	Transfer Mode:	You can set the transfer mode of RS485 interface (Input, Output);

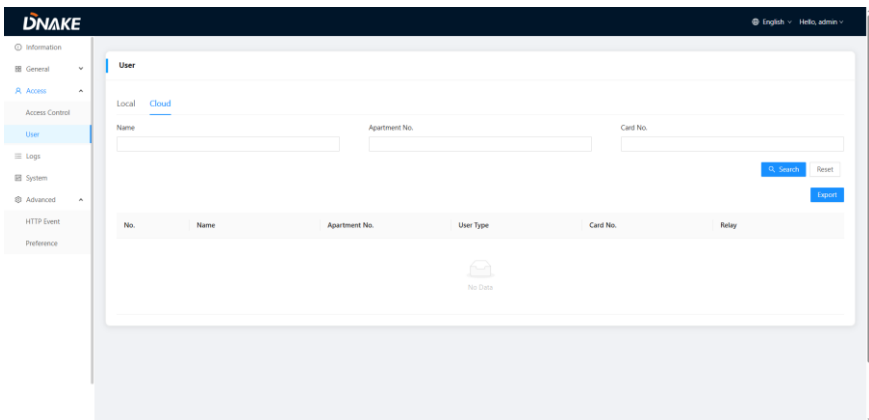
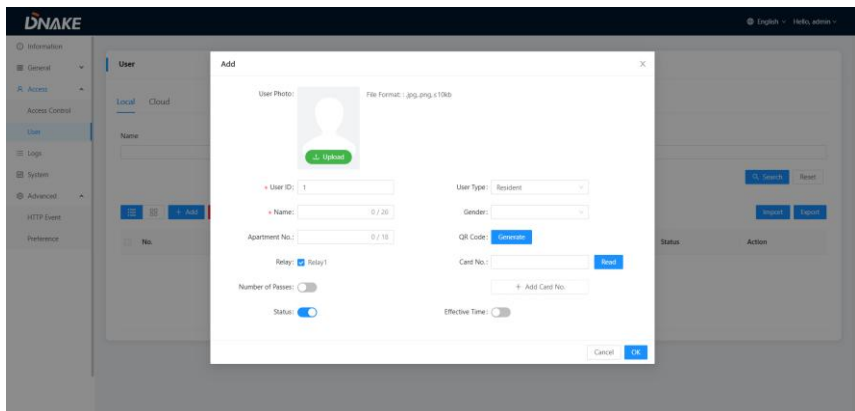
	Peripheral Type:	Set the peripheral type, you can set it according to the device you want to connect (Security Relay Module, Elevator Control Module and Access Controller);
Security Relay Module	Security Relay Module	Configure the mode of the relay module connected via RS485. Security: The relay module is controlled by the relay of the device. Expand: Both the relay of the device and relay module can be controlled individually.
Elevator Control Module	Output Type	When the Elevator Controller Module is selected, you can configure the device's RS485 output mode. Reader Mode: The device transfers the recognized data to the elevator control module via RS485 (RS485-1) includes: card number, PIN code, QR code Elevator Floor: The device transfers the configured floor number to the elevator control module via RS485 (RS485-2)
Access Controller	Address	When Access Controller is selected, the Reader Address field is required. This setting defines the RS485 address of the local AC device, with a configurable range of 1 to 8.
	OSDP	Enable or disable the OSDP protocol.

		When disabled, the RS485 port uses the standard RS485 protocol and functions as an RS485 reader. When enabled, the RS485 port uses the OSDP protocol and functions as an OSDP reader.
	Encryption	Enable or disable OSDP encryption. This feature is supported only by OSDP v2.x devices.
	SCBK	when OSDP encryption is enabled. Enter the OSDP encryption key manually. The key must be exactly 16 bytes in length.

3.2. Access > User

Person column is for access authorization. You can add users to the device and relate them with relays or cards.





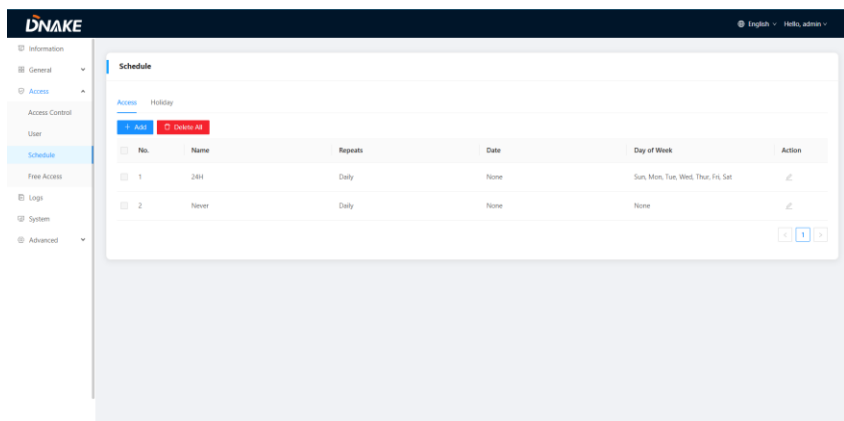
Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Import:	Import all data to the chart;
Export:	Export all data on the chart;
Add:	Add users to Access Control; Fill in the User ID, Name, Apartment No, Number of Passes, choose the Relay, User Type, Gender, QR Code, Card No and Effective Time to add users.

Cloud:

The cloud platform will sync user information to the local device, you can check it in the Cloud column

3.3. Access > Schedule

The Schedule function allows you to configure the device to automatically enter Always Open mode after the first authorized unlock during a specified time period. The device will remain unlocked until the configured end time, after which it will automatically return to normal operation.



3.3.1. Schedule > Access

On the Access page, you can configure access time templates, which can be associated with Always Open schedules or used to define access permissions for specific users.

The 24H and Never access rules are default rules and cannot be edited or deleted.

Add
X

Name:

Repeats:
☒ Never
☐ Daily
☐ Weekly

Dates:
Start date
End date

Schedule:
Undo
Clear

00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 24:00

Sun
Mon
Tue
Wed
Thur
Fri
Sat

Holiday Exception:

Cancel Ok

Name:	The name of access rule, support up to 30 characters and cannot duplicate name with any existing access rule;
Repeats:	Select the recurrence type for the access rule: Never: Configure a one-time access rule within a specified time period.
	Daily: Configure an access rule that repeats every day.
	Weekly: Configure an access rule that repeats every week.;
Date:	When the repeats set to "Never", the Start Date and End Date must be configured. The Start Date can be the same as the End Date.
Schedule:	When the repeats set to "Never" or "Weekly", the time periods for each day from Monday to Sunday in the schedule can be configured;
	When the repeats set to "Daily", the schedule defines the time period that repeats every day;
	Multiple time periods can be configured. Use the mouse to drag across the schedule grid to set the desired time periods. Each grid cell represents 15 minutes.

Undo:	Click Undo to revert changes. Each click reverses one operation until all previous operations have been undone.
Clear:	Click Clear to remove all configured time periods from the schedule.
Holiday Exception:	Use the drop-down multi-select menu to configure holiday rules. After selecting the holidays, set the corresponding time periods in the schedule.

3.3.2. Schedule > Holiday

Configure holidays, which can be associated with access time templates to define access rules during holiday periods.

Add
X

* Name:

* Type:
☒ Regular
☐ Irregular

* Start Date:

* Number of Days:

Repeat Annually:
☐

Cancel

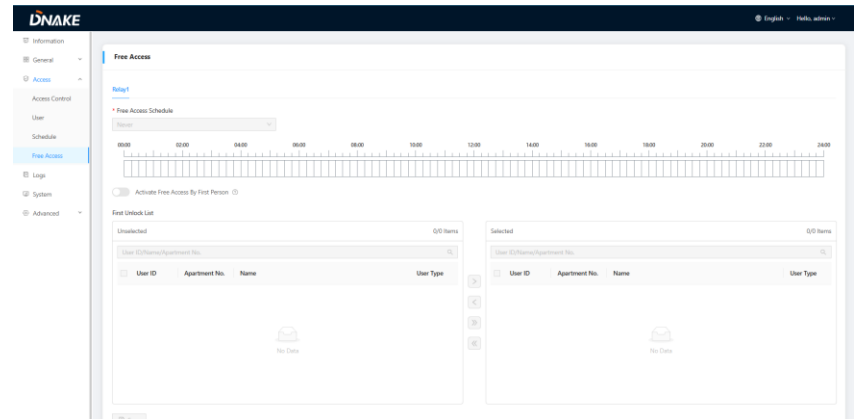
OK

Name:	The name of holiday, support up to 30 characters and cannot duplicate name with any existing holiday;
Type:	Type can be set to Regular or Irregular;
Date:	When the repeats set to "Never", the Start Date and End Date must be configured. The Start Date can be the same as the End Date.
Type:	When Type is set to Regular, select a specific date as the start date.

	When Type is set to Irregular, select a specific day of the week as the start date. 1. Select the Year from the drop-down list. The available range is from the current year to the current year + 10 years. 2. Select the Month from the drop-down list. The available range is January to December. 3. Select the Week Number from the drop-down list: First, Second, Third, Fourth, or Last week. 4. Select the Day of the Week from the drop-down list: Monday to Sunday.
Number of Days:	Enter the number of holiday days. Only integers from 1 to 366 are supported.
Repeat Annually:	When selected, the holiday will repeat every year.

3.4. Access > Free Access

Configure the device's Free Access rules. When the device is in Free Access mode, the door remains unlocked, and users can pass through without authentication.



Free Access Schedule:	Select an Access Rule Template from the drop-down list. The default rule is "Never";
	After selecting an access rule, the corresponding schedule will be displayed for reference only and cannot be edited.
	If the selected access rule is associated with any holidays, the corresponding holiday schedule will also be displayed for reference only and cannot be edited. If the schedule content is too long, partial scrolling is supported.
Activate Free Access by First Person:	When enabled, the Free Access Schedule will only be activated after any person in the specified user list successfully authenticates to unlock the door on that day. Otherwise, the Always Open function will remain inactive and the door will stay locked for the entire day.
	When disabled, the device will automatically unlock according to the configured A Free Access Schedule and lock again after the scheduled period ends.
First Unlock List:	configure the list of users authorized to activate the Free Access schedule.

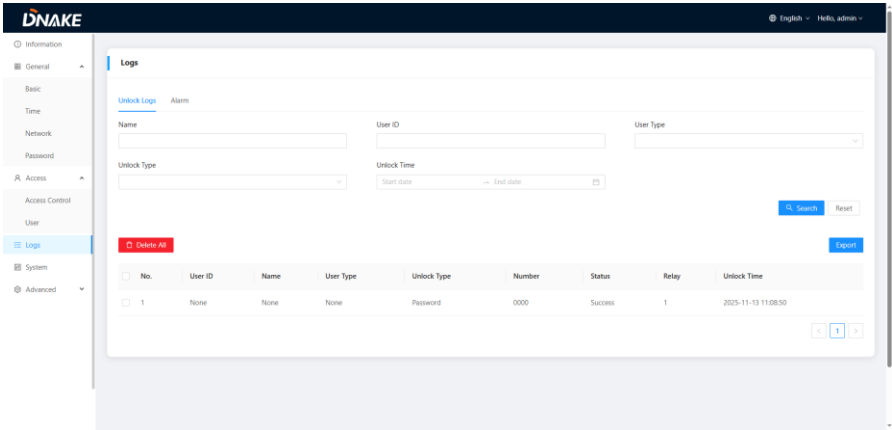
Note: If the device is registered to the Cloud Platform or CMS, all functions on the Free Access page will be disabled and unavailable for editing. In this case, the device will follow the Access Rules delivered by the Cloud Platform or CMS to determine the Free Access schedule.

4. Logs

It can support 100000 logs at most. If the logs are more than 100000, the previous logs will be covered;

4.1. Unlock Logs

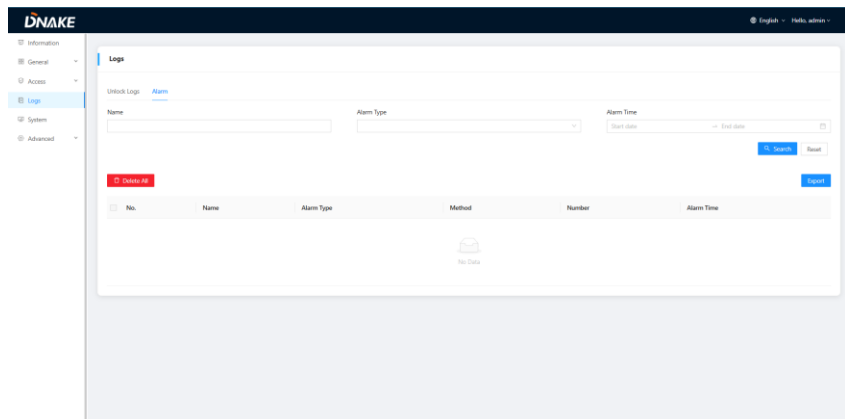
Unlock logs by the Access Control are recorded here ,



Name:	The name of the person you add;
User ID:	The User ID you set on user column.
Unlock Type:	The type of Unlock Logs, including Card, Exit button, BLE, Card + Password, NFC, QR Code and APP;
Unlock Time:	The Unlock Logs will be filtered by the Date &Time you set;
Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Export:	Export all data on the chart;

4.2. Alarm

Alarm triggered by the Access Control are recorded here,

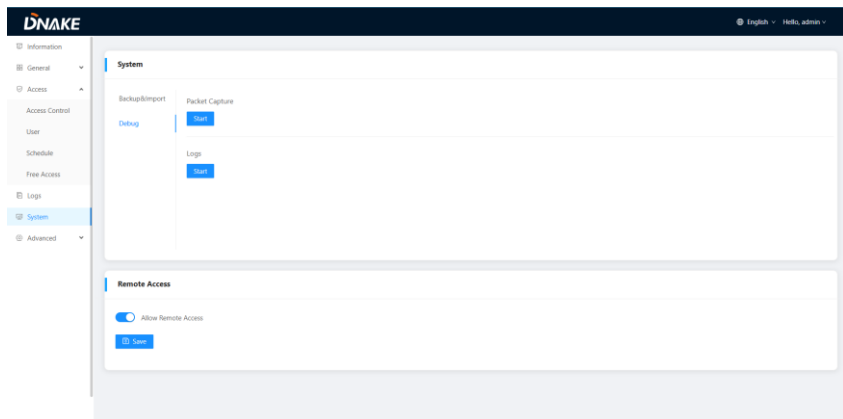
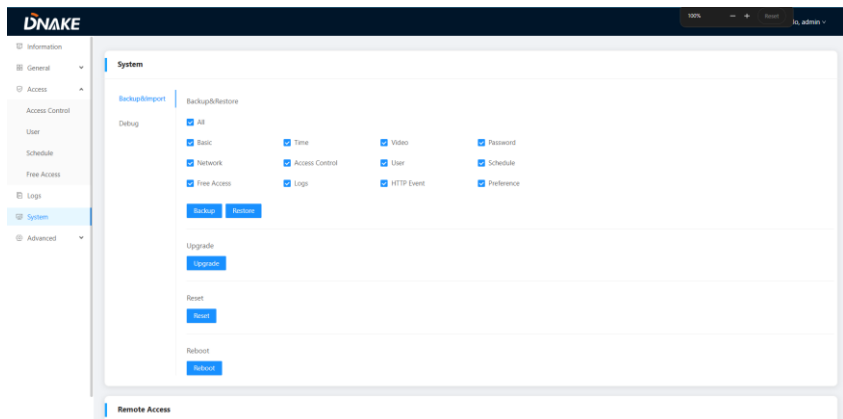


Name:	The name of the person you add;
Alarm Type:	The type of Alarm Logs, including Blocklist, Tamper, Fire, Door Open Timeout, Max Failed Attempt
Alarm Time:	The Alarm Logs will be filtered by the Date & Time you set;
Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Export:	Export all data on the chart;

5. System

5.1. System

The system column is designed for data backup and restore, firmware upgrade, factory default, device reboot, packet capture and logs capture.



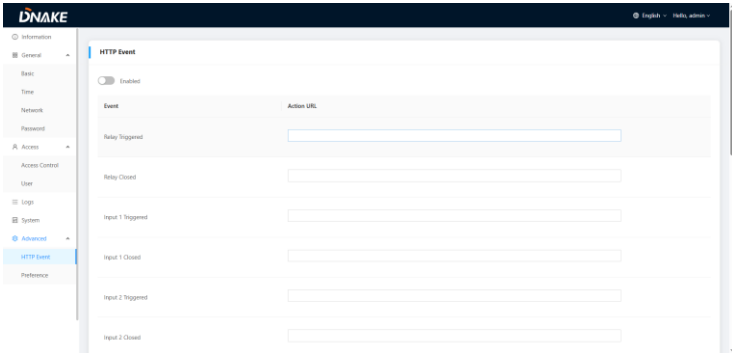
Backup & Import	Backup & Restore:	Backup all setting and restore settings;
	Upgrade:	Upgrade equipment;
	Reset:	Reset to factory settings;
	Reboot:	Reboot the device;
	Reboot Schedule	When enabled, the door station will automatically reboot at the scheduled time every day.
Debug	Packet Capture:	Capturing packets can help developers reproduce positioning problems;

	Logs:	Device logs;
	Screenshot:	Screenshot device interface;
Remote Access	Allow Remote Access	Configure whether the device allows the cloud platform remote Web UI

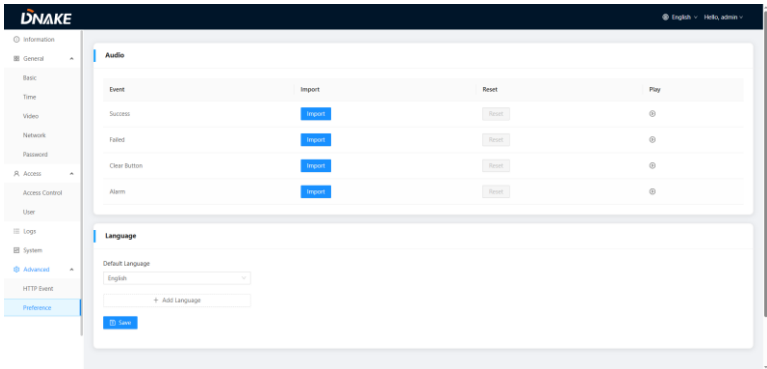
6. Advanced

6.1. Http Event

The device will send the corresponding URL when any of the following events is triggered

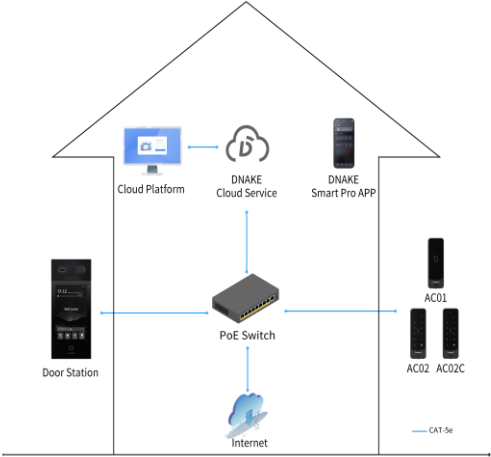


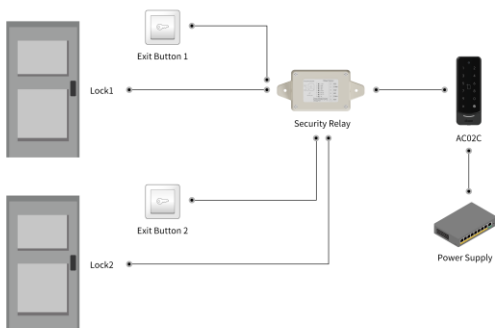
6.2. Preference



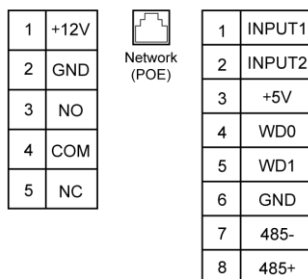
Audio:	You can customize the device's notification sound (Success. Failed, Alarm and clear button);
Language:	Language setup and import;

SYSTEM DIAGRAM





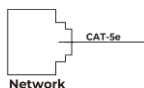
DEVICE WIRING



1. Network (PoE)

Standard RJ45 interface is for the connection with PoE switch or other network switch.

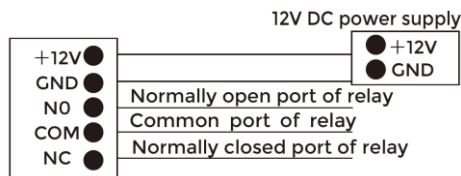
PSE shall comply with IEEE 802.3af (PoE) and its output power not less than 15.4W and its output voltage not be less than 50V.



2. Power/Switching Value Output

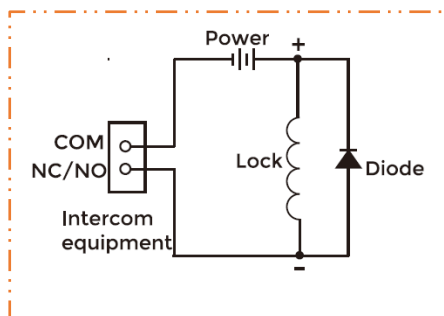
The power interface of Access Control connects to 12V DC power.

Connect to the lock module (an independent power supply is necessary for the lock).



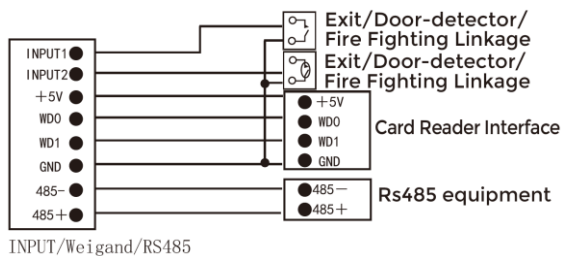
⚠ Warning!

1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in anti-parallel with the load device to absorb inductive load voltage peaks. The access control will be better protected in this way.
2. The load current of the relay cannot be greater than 2A. See attached picture for more details.



3. Custom input configuration interface/Wiegand/RS485

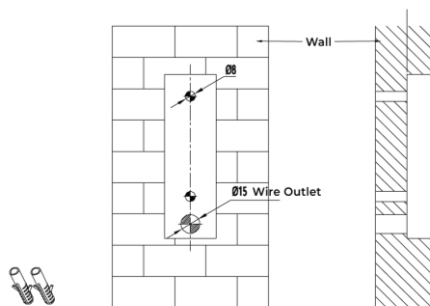
- The input interface can be configured with various functions, such as the exit button, door status sensor, and fire linkage interface.
- The interface can be connected to one IC/ID card reader or be used for reading the information of built-in card reader. Card swiping device connected to Wiegand interface.
- +5V can power the Wiegand card swiping device, note that the current must not exceed 100mA.
- Enable to connect equipment with RS485 interface. Connect to the lock module (independent power supply is necessary for the lock).



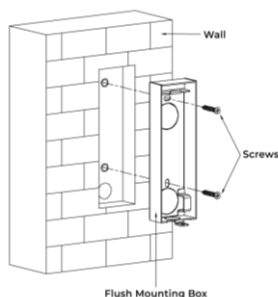
Note: Access Control can only be connected to one card reader or management device at a time.

INSTALLATION

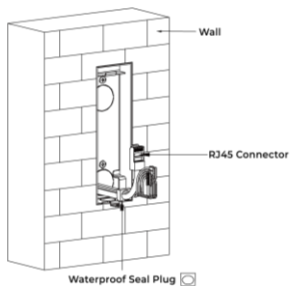
Installation of Flush Mounting



1. Choose the suitable height , and put the label sticker on the wall.
2. According to the sticker, drill three 8 x 45mm for screws and one 5mm for wire outlet.
3. Remove the sticker after drilling.

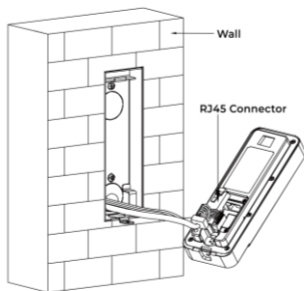


4. Lock the Flush Mounting Box with 2 screws.

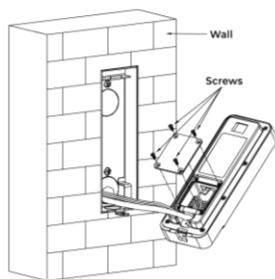


5. Let wires(included) and network cable without RJ-45 plug go through flush mounting box and waterproof seal plug.

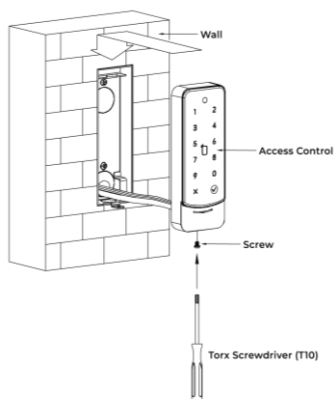
6. Connect RJ-45 Plug.



7. Plug waterproof seal plug into the cover groove at the bottom.

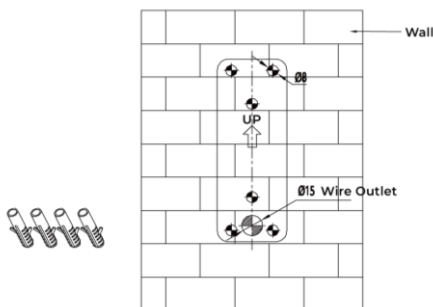


8. Fix interface clamp to the device with 4 screws.

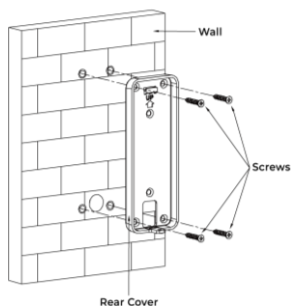


9. Use screwdriver to lock the bottom of the device with 1 screw

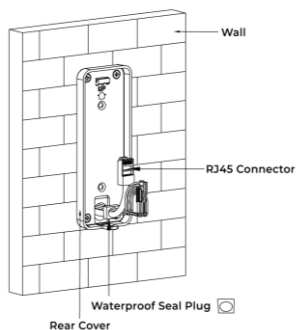
Installation of Surface mounting



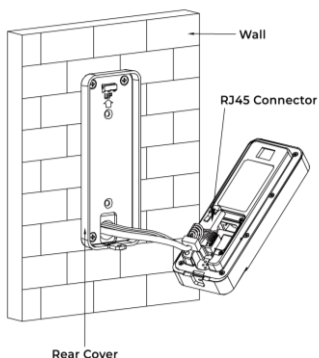
1. Choose the suitable height, and put the label sticker on the wall.
2. According to the sticker, drill three 8 x 45mm for screws and one 5mm for wire outlet.
3. Insert 4 screw fixing seats into the screw holes.
4. Remove the sticker after drilling.



5. Lock the rear cover with 4 screws.



6. Let wires(included) and network cable without RJ-45 plug go through rear cover and waterproof seal plug.

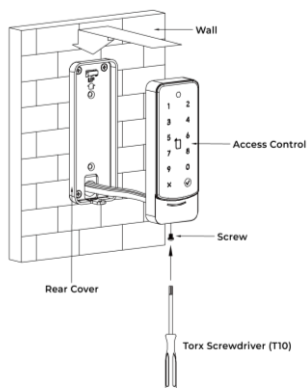


7. Connect RJ-45 Plug.

8. Plug waterproof seal plug into the cover groove at the bottom.



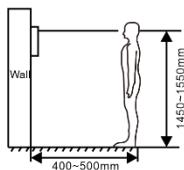
9. Fix interface clamp to the device with 4 screws.



10. Hang up device with rear cover.

11. Use screwdriver to lock the bottom of the device with 1 screw

Tips:



The camera should be 1450~1550mm above the ground.

TROUBLESHOOTING

The Access Control cannot start up or power off automatically.

- Check whether it has power-failure, and power it on again
-

The Access Control did not get IP address.

- Check if the DHCP is enabled on Access Control.
 - Check whether the router can provide the IP address normally
-

No sound during the communication.

- Check whether the volume is set to the lowest.
-

Multimedia files cannot be played normally.

- Check whether the system supports the file format. Please refer to the multimedia setting for details.
-

MIFARE SL3 card cannot be read in Access Control.

- The card reading mode needs to be 'Full Card No.'
 - Block Key needs to be entered correctly;
 - Select the correct sectors and blocks.
-

The temperature of device is too high.

- Long-term use leads to high temperature. It's normal and will not affect the device's use life and performance.
-

SAFETY INSTRUCTION

In order to protect you and others from harm or your device from damage, please read the following information before using the device.

- Do not install the device in the following places:
- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container.
- Do not place the device in the sun or near the heat source, which might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

Guard against electric shock, fire and explosion:

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hand or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hand.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

Clean Device Surface

- Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents, opacifying agent and insecticide.

- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause floppover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.
- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device.

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

 **EASY & SMART
INTERCOM SOLUTIONS**

