

User Manual

Guard Unit



S Series Digital System Guard Unit

User Manual_V1.3

Model No.: SIA01



Attentions

1、 Please keep devices away from strong magnetic field , high temperature , wet environment ;



2、 Please do not fall the devices to the ground or make them get hard impact ;



3、 Please do not use wet cloth or volatile reagent to wipe the devices ;



4、 Please do not disassemble the devices.

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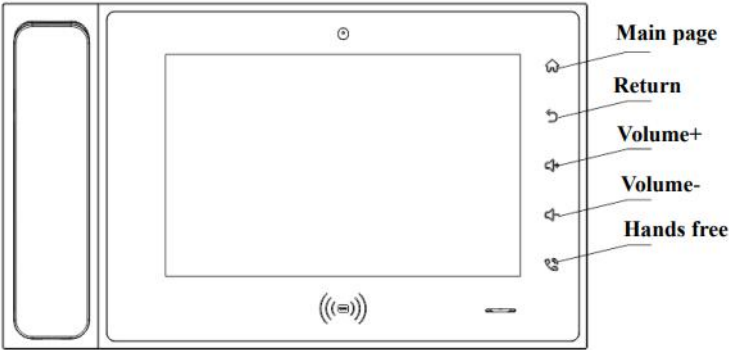
Chapter 1 Product Overview

This product is based on TCP/IP protocol, works as a management center to manage the indoor monitors of residents and the outdoor stations of all the entrance of the community.

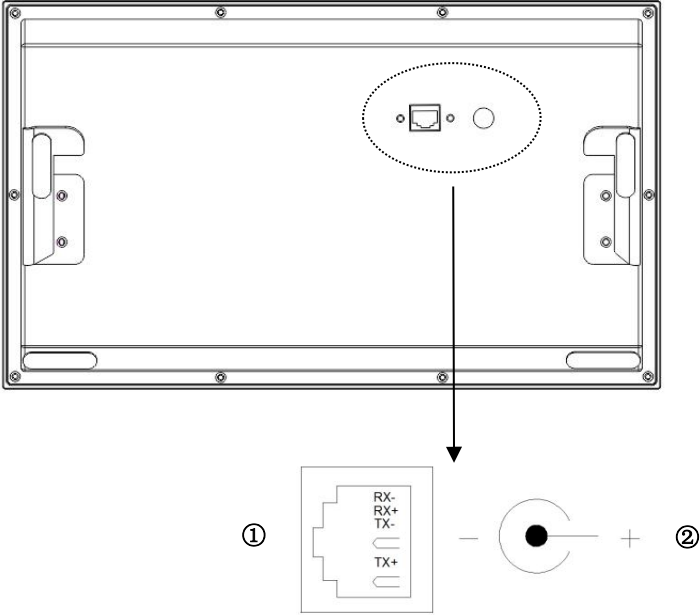
- **10.1 inch capacitive touch screen**
- **Can call indoor monitors and other guard units**
- **Can receive calls from indoor monitor, outdoor stations and other guard units**
- **Synchronously response to the alarming signal from the indoor monitor**
- **Record alarm information**
- **Remote unlock function, can unlock the outdoor stations/gate stations**
- **Monitor the Outdoor Stations, Gate Stations and IP Cameras**
- **Support emergency unlocking: unlock all outdoor stations with one key (1 hour)**

Chapter 2 Introduction

2.1 Basic Structure



2.2 Interface description



No.①: Connecting with LAN

No.②: DC 24V

2.3 Parameters

Working Voltage: DC 24V or 48V Standard PoE

Static Current: ≤ 210 mA

Working Current: ≤ 400 mA

Display: 10.1 inch

Resolution: 1280×800

Dimension(L*W*D): 210×356×31.8 mm (Not including handset and bracket)

Environment Temperature: -10℃ ~ +55℃

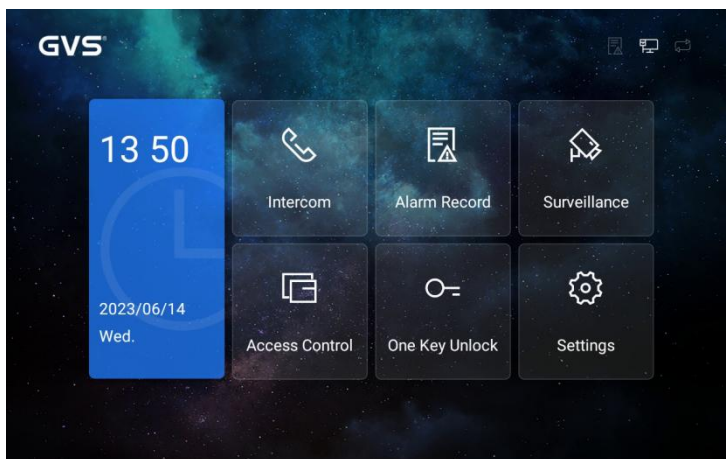
Ring Duration: 30s Call Duration: 120s Monitor Duration:30s

Administrator password: for emergency unlocking. The initial password is 666666.

Engineering password: for coding the number of the guard unit and factory reset. The password is 801801.


Chapter 3 Manual

3.1 Basic Functions



Main Interface


Intercom

Click the icon  to view contacts, call history, dial to call and set up contacts.


Alarm Record

Click the icon  to check all alarm records.


Surveillance

Click the icon  to select devices to monitor in the monitoring list, view monitoring logs and make monitoring settings.


Access Control

Click the icon  to register, delete, delete all, search and other operations for the user card.

One Key Unlock

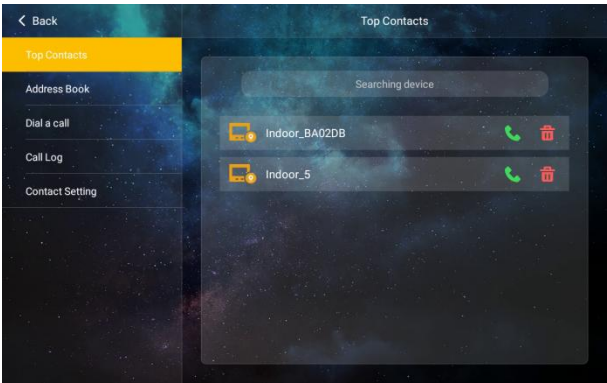
Click the icon  to unlock all locks with access control in case of emergency, such as fire, for a duration of 1 hour.

Settings


Click the icon  access the settings interface.

3.2 Top Contacts

Click on the intercom button and select the type of device to call.

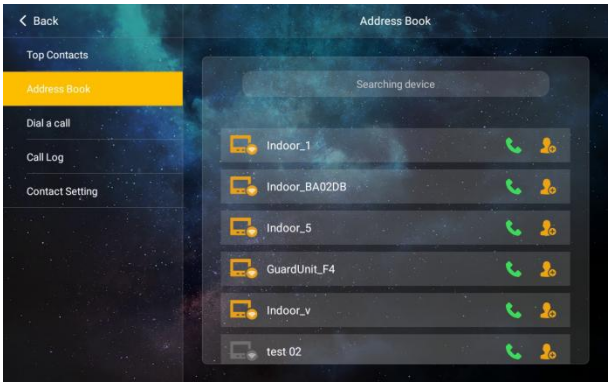


Device selection interface

In the contacts, tap the  icon to add the contact to your frequently used contacts for a quick call.

3.3 Address Book

The Address Book shows networked devices found with auto-configuration switched on, devices imported from the address book and devices added manually.



Address Book Interface



Indicates the online devices on the same network discovered by the device;



Indicates a device on the same network that the device has been discovered, but is currently offline;



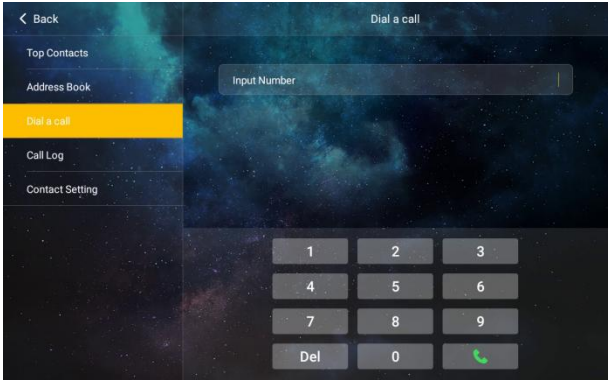
Indicates that the device issued by the address book and the device manually added by the user belong to the local device.

Click the icon



to add the current contact to frequent contacts;

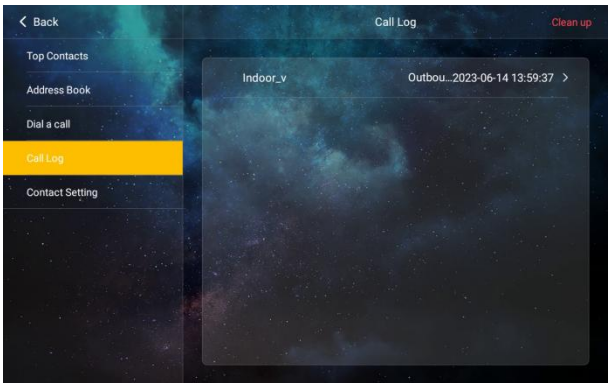
3.4 Dial a Call



Dial a Call Interface

Enter the user name of the SIP account corresponding to the device to call through to the device. For example, if the SIP account is "sip: 000100011@192.168.150.100:8060", enter "000100011" to call the device.

3.5 Call Log

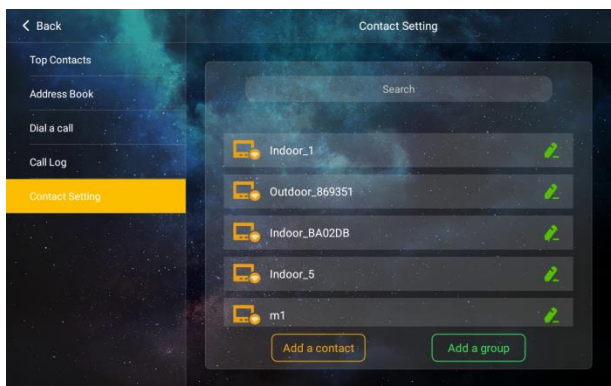


Call Log Interface

Call logs from other devices to this phone are displayed and unread calls are indicated by a red dot. Call records for which a photo has been captured have a photo icon.

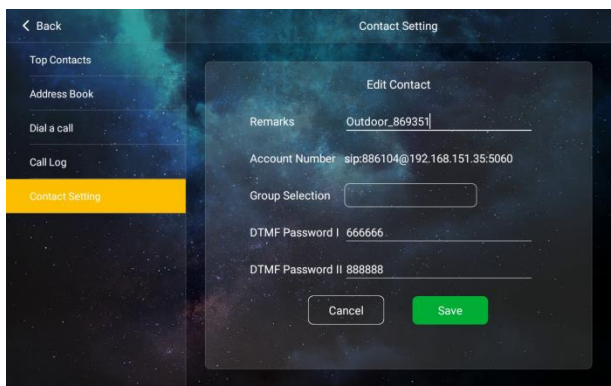
3.6 Contacts Setting

Contacts or groups in the address book can be edited and added.



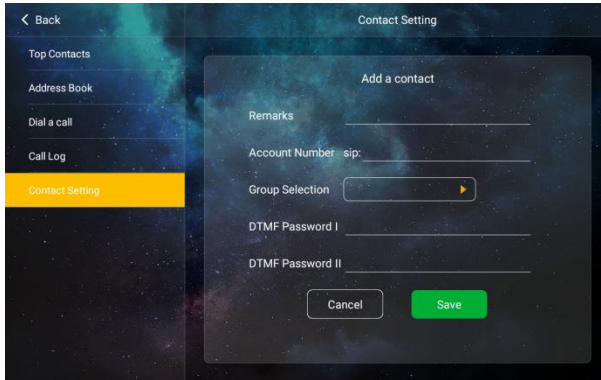
Contact Setting Interface

Contacts sent under Auto Discovery and Address Book can have their notes and DTMF passwords edited.



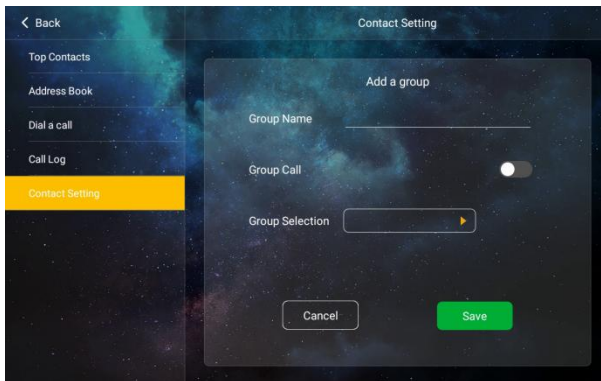
Edit contacts interface

To add a new contact you need to enter the contact notes, SIP account number, select the group to which you belong. (If the device has an access control function, you will also need to enter the DTMF unlock code for the device).



Add contact interface

To add a group you need to enter the group name and select the affiliated group to which you belong (if not selected, a level 1 group is created).

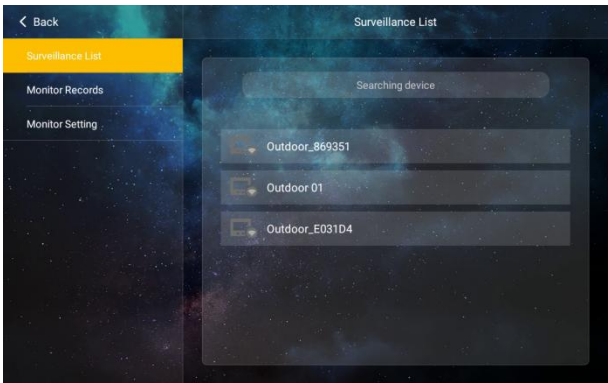


Add group interface

Only manually added devices and groups, as well as devices found in auto-configuration mode (offline state) can be deleted.

3.7 Surveillance List

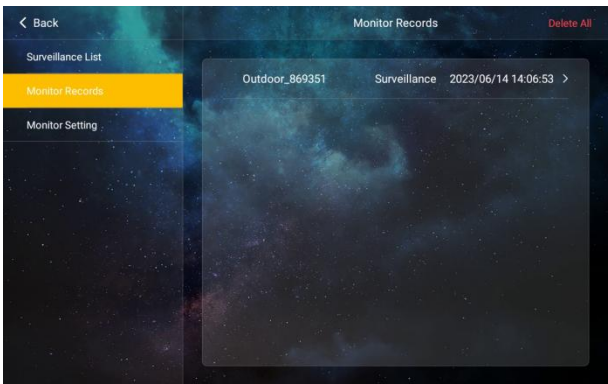
All online devices in the list can be monitored.



Surveillance List Interface

3.8 Monitor Records

A surveillance record is created by capturing a photo in the surveillance.



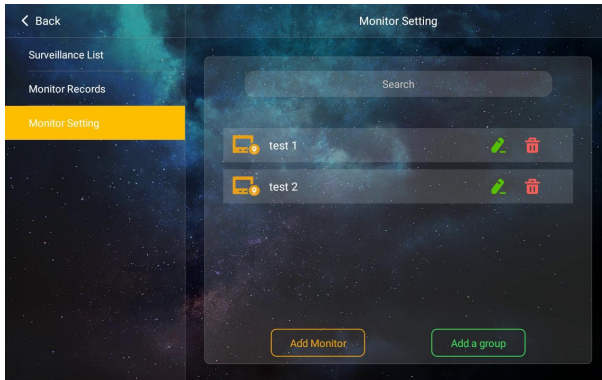
Monitor Record Interface

3.9 Monitor Setting

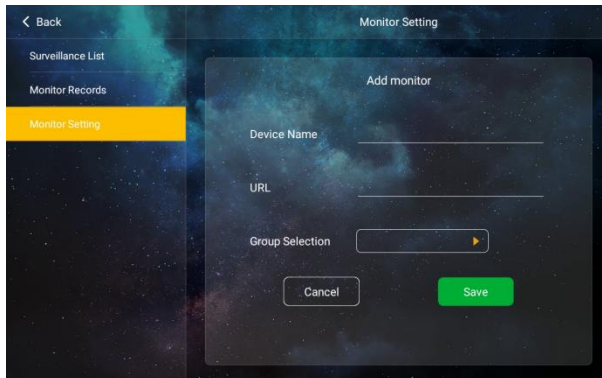
Monitor settings to view all monitored URLs.

Add monitor: just enter the device name, URL address and select the affiliated group to which it belongs.

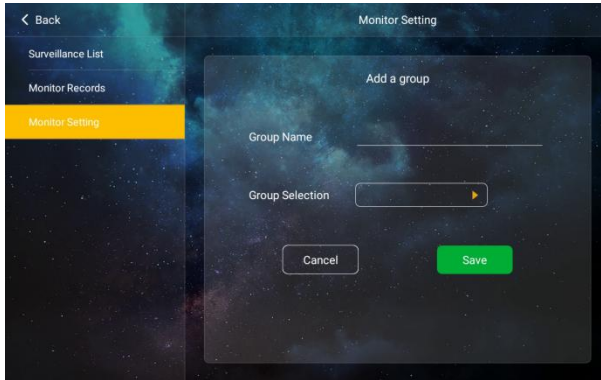
Adding a group: enter a group name and select the affiliated group to create a group.



Monitor Setting Interface



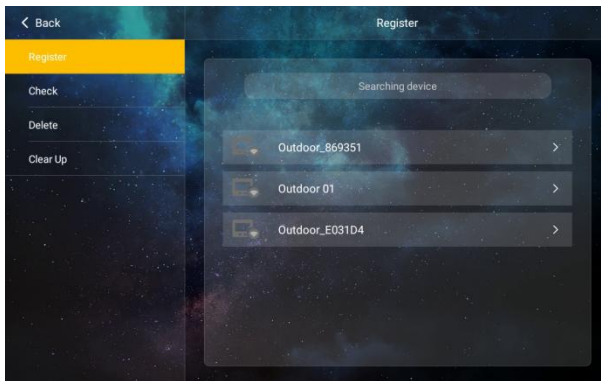
Add a monitor interface



Add a group interface

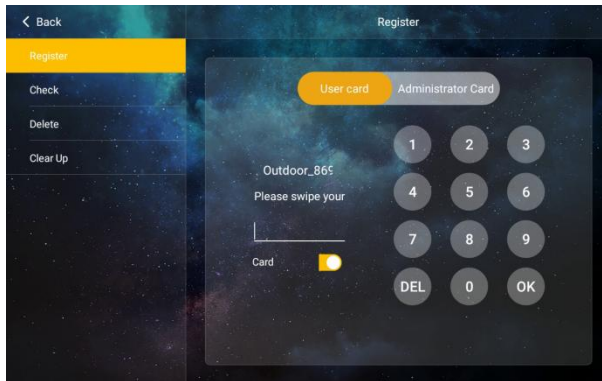
3.10 Card Management

Select the required operations on the left: register, check, delete, and clear up, and select the device to be operated on the right.

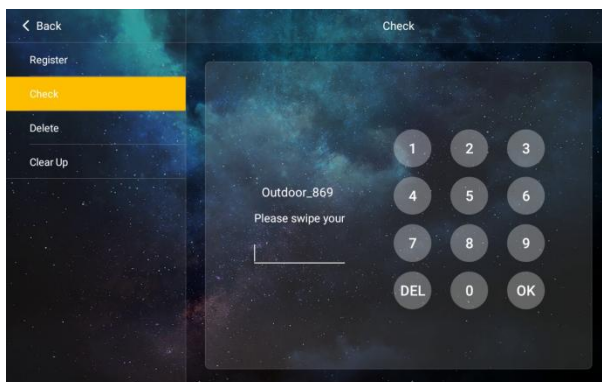


Choose Device Interface

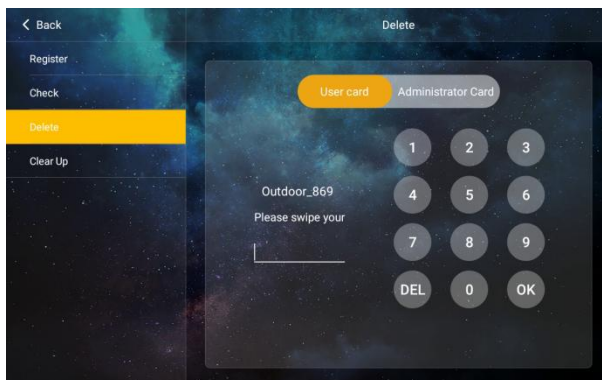
- Input card number or swipe card to register, and switch on the Card button to enable the anti-copy function, the card info will be encrypted and can not be copied.
- Input card number or swipe card to check if card is registered.
- Input card number or swipe card to delete the card.
- Select device to clear up the data of registered cards.



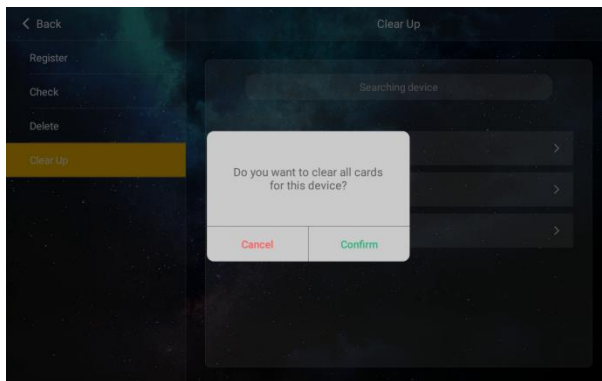
Registering Card Interface



Check Card Interface



Delete user card Interface



Clear up Interface

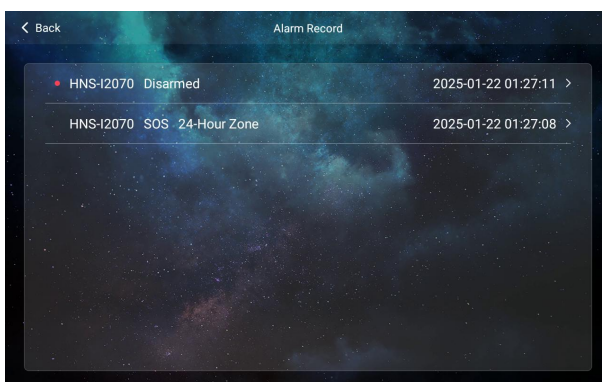
3.11 One Key Unlock

Users can unlock all locks with access control in case of emergency, such as fire, for a duration of 1 hour.

Note: This function requires entering the user password.

3.12 Alarm Record

Users can view all alarm record information.



Alarm Record Interface


- Alarm handing

When the indoor unit triggers an SOS or zone alarm, the management console will

receive the alarm information.

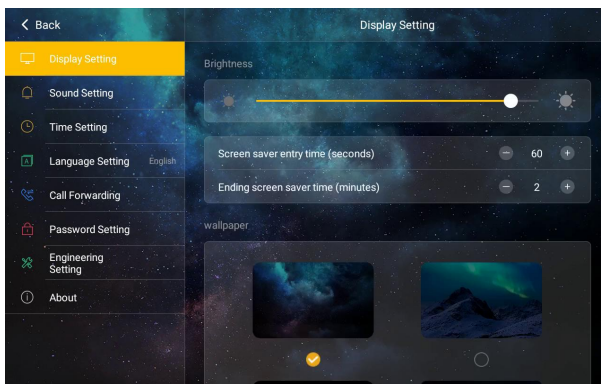
Alarm handing and callback are available. Unprocessed alarm records will be indicated with a red dot.

Chapter 4 System Settings

In the main interface to click  to enter the interface of System Settings, as shown below. System Settings includes Display Setting, Sound Setting, Time Setting, Language Setting, Call Forwarding, Password Setting, Engineering Setting and About. Clicking each Setting label can enter their next directory.

4.1 Display Setting

Operation path: Settings > Display Setting

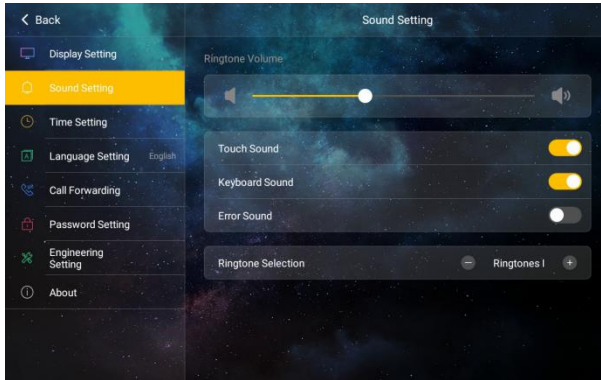


Display Setting Interface

- Brightness: brightness is adjustable, by default the brightness is maximum.
- Screen saver entry time: the time to enter screen saver is adjustable, range from 30s to 255s.
- Ending screen saver time: the time to end screen saver is adjustable, range from 1min to 10mins.
- Wallpaper for screen saver: By default there are four wallpapers, users can import customized wallpaper by using PC configuration tool.

4.2 Ringtone Setting

Operation path: Settings > Sound Setting

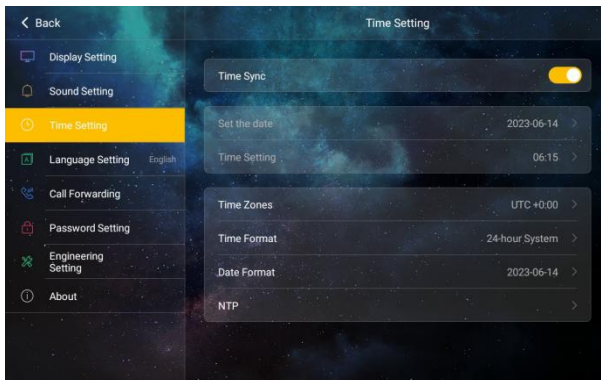


Sound Setting Interface

- Ringtone Volume: It's adjustable.
- Touch Sound: Can be enabled and disabled.
- Keyboard Sound: Can be enabled and disabled.
- Error Sound: Can be enabled and disabled.
- Ringtone Selection: By default 5 types of ringtone are selectable.

4.3 Time Setting

Operation path: Settings > Time Setting



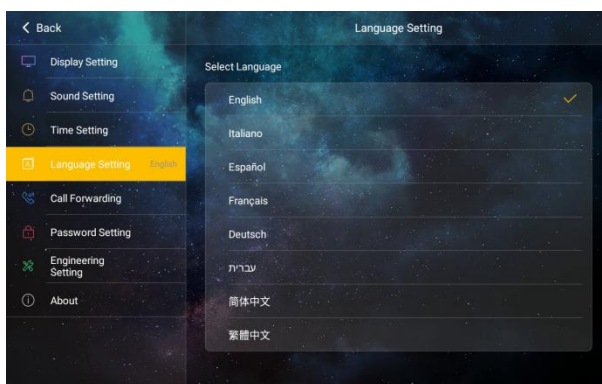
Time Setting Interface

- Time Sync: when enabled, automatically synchronizes date and time from the network NTP server according to the set time zone and format. Turn off automatic synchronization and manually set the date and time.

- Time Zones: Select the corresponding time zone based on the country you are in. This machine will convert the local time based on the set NTP server and time zone.
- Time Format: Can be 12-hour system or 24-hour system;
- Date Format: Select the date format as required. Optional date format: Year-Month-Day; Day-Month-Year.
- NTP Server: By default, there are 3 built-in NTP servers that users can manually change.

4.4 Language Setting

Operation path: Settings > Language Setting

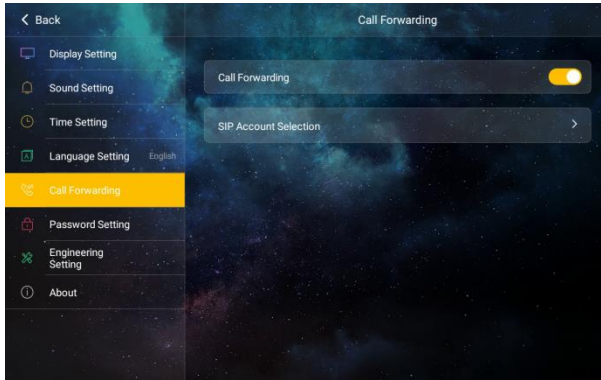


language setting Interface

Available in English, Italian, Spanish, French, German, Arabic, Hebrew, Russian, Korean, Vietnamese, Simplified Chinese and Traditional Chinese.

4.5 Call Forwarding

Operation path: Settings > Call Forwarding

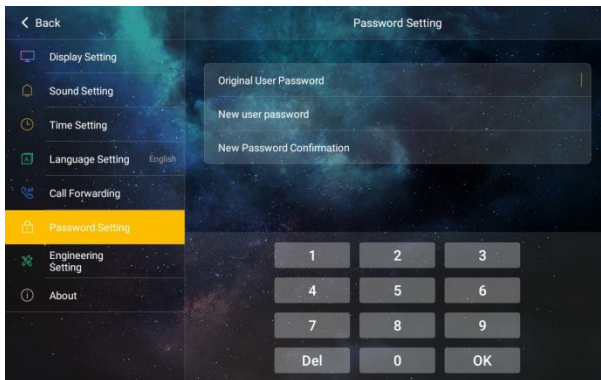


Call Forwarding Interface

On the address book of SIP Account Selection to select the object of accepting call forwarding, only one contact can be selected.

4.6 User Password Setting

Operation Path: Settings > User Password Setting

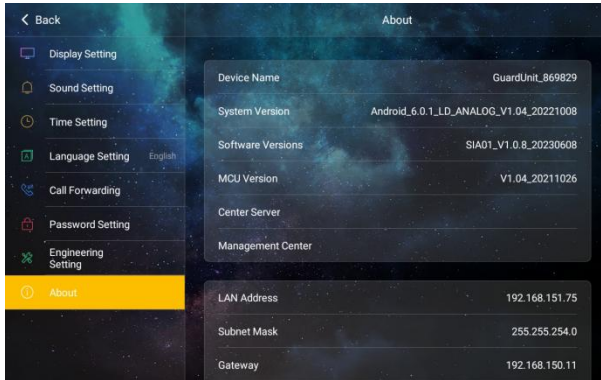


User Password Setting Interface

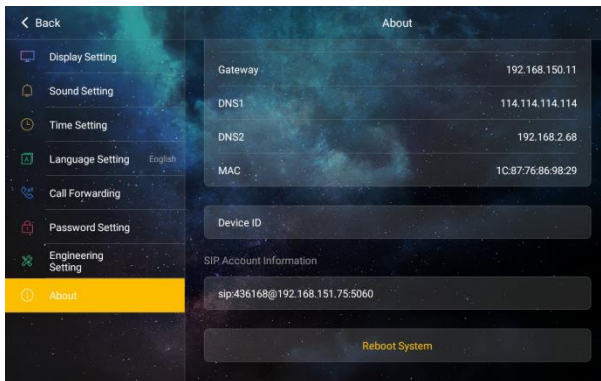
User password can be modified, by default the user password is 666666.

4.7 About

Operation path: Settings > About



About Interface 1



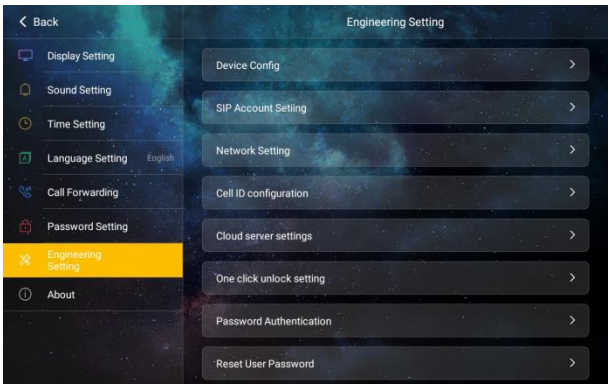
About Interface 2

- Device Name, System Version, Software Version, MCU Version, Center Server
- Ethernet Info (LAN, Subnet, Gateway)
- Device ID (A unique identifier for the device)
- SIP Account info of Device (SIP Account of the Device, SIP Account 1, SIP Account 2, Cloud SIP Account.)
- Reboot System: Click this label to restart the device.

4.8 Engineering Setting

Operation path: Settings > Engineering Setting

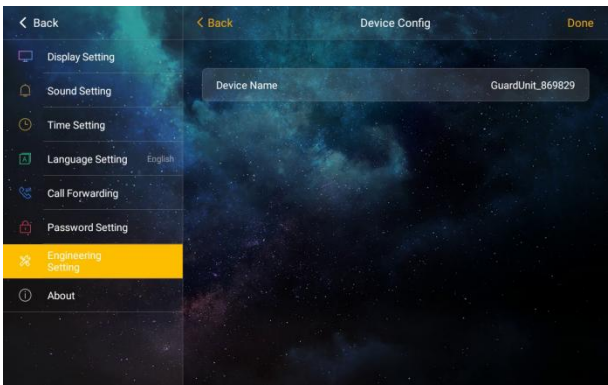
Input the Engineering Password 801801 to enter the interface: Device Name, SIP Account Setting, Network Setting, Cell ID configuration, Cloud Server Settings, One Click Unlock Setting, Password Authentication, Reset User Password, Reset Factory Setting.



Engineering Setting Interface

4.8.1 Device Name

Operation path: Settings > Engineering Setting > Device Name



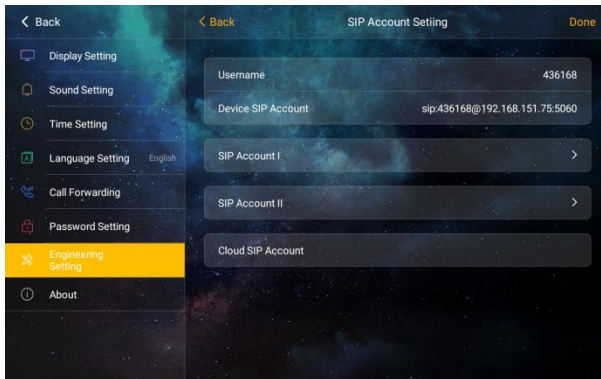
Device Name Setting Interface

Device name: User can modify the device name. If the SIP account info in the address book is needed, user need to set the device name to the device name corresponding to the account info in the address book. There will be a window popping up to indicate whether to use the account info in the address book. Large scale community networking requires the use of address book methods, with unified address book distribution in the

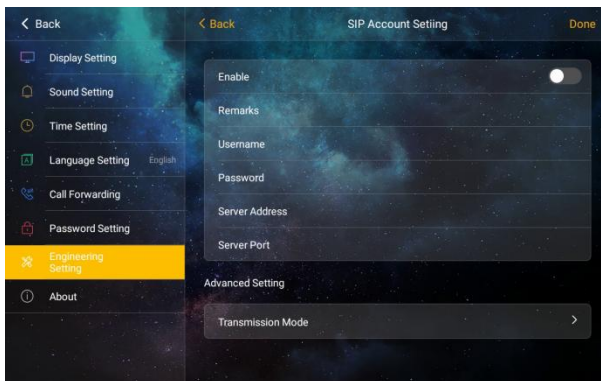
community and batch rule generation of address book device information.

4.8.2 SIP Account Setting

Operation path: Settings > Engineering Setting > SIP Account Setting



SIP Account Setting Interface 1



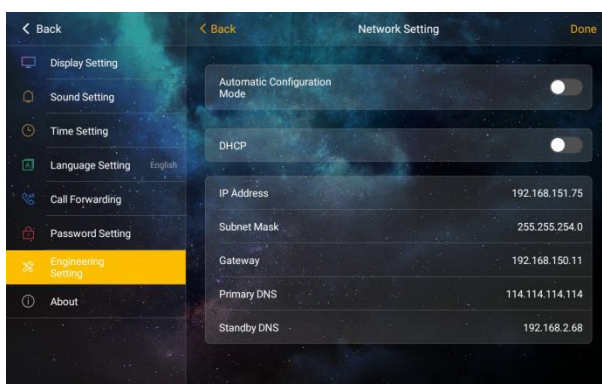
SIP Account Setting Interface 2

- Username: User can call to the Guard Unit by entering the username through the dial keyboard, the username can not be the same as others under the same network.
- Local SIP Account of the Device: The username and IP address of the device can generate local SIP Account that's used as the account being called under the same network.

- SIP Account 1&2: User can manually configure SIP account info. Switch on the Enable button, then input username, password, Server address, Server port and select the Transmission Mode. User can also use the account info of address book by configuring device name.
- Cloud SIP Account: After device connected to Cloud Server, The Cloud Serer will assign a Cloud Intercom SIP account to the device, to help the device achieve Cloud Intercom function.

4.8.3 Network Setting

Operation path: Settings > Engineering Setting > Network Setting

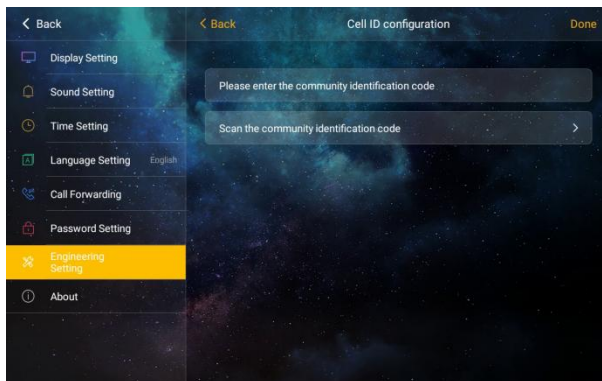


Network Setting Interface

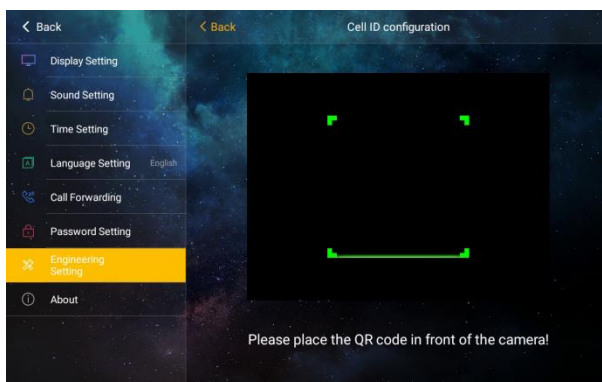
- Automatic Configuration Mode: After enabled this mode, the device can find all the other S series devices that are under the same network.
- DHCP: After shutdown, the network needs to be manually configured by entering the IP address, subnet mask, gateway DNS

4.8.4 Cell ID Configuration

Operation path: Settings > Engineering Setting > Cell ID Configuration



Cell ID Configuration Interface

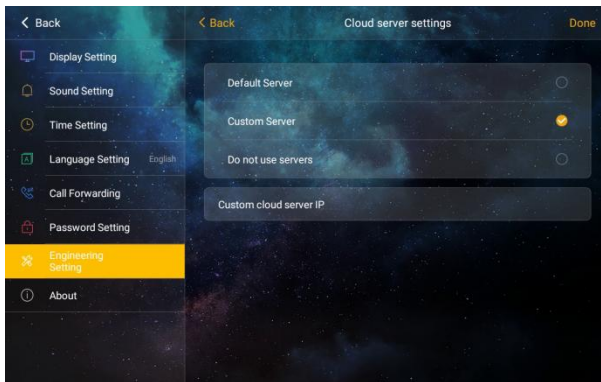


Scanning QR Code Interface

Input the Cell ID or scan the QR code of Cell ID, to bind the device with the community(Cell).

4.8.5 Cloud Server Settings.

Operation path: Settings > Engineering Setting > Cloud Server Settings



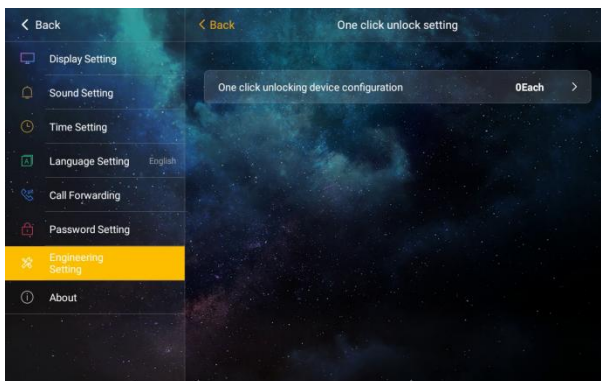
Cloud Server Settings Interface

Cloud Server Setting is set as Default Server by default; Custom Server is required user to input the address of server manually; NO server is equal to shut down the server.

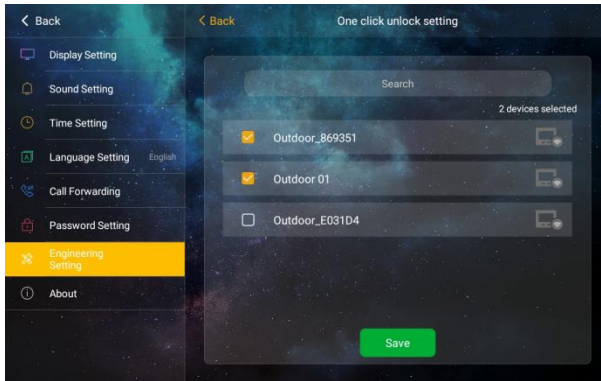
The default server refers to a server deployed on the public network. To connect to this default server, the device must be able to access the external network. A custom server can be a locally deployed server or a regional server, and it must also ensure that the device and server network are reach

4.8.6 One Click Unlock Setting

Operation path: Settings > Engineering Setting > One Click Unlock Setting



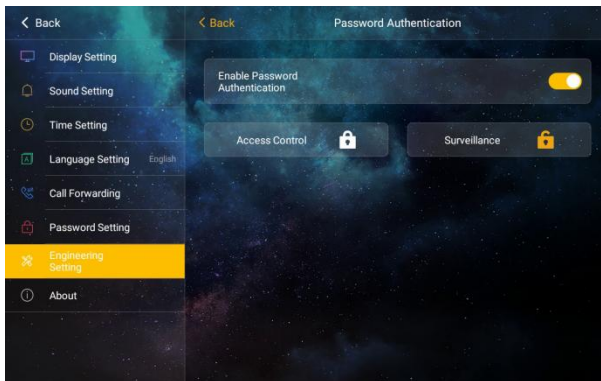
One Click Unlock Setting Interface



Select One-click-Unlock-Setting Interface

In the list to select which devices that can be unlocked by One Click Unlock function.

4.8.7 Password Authentication

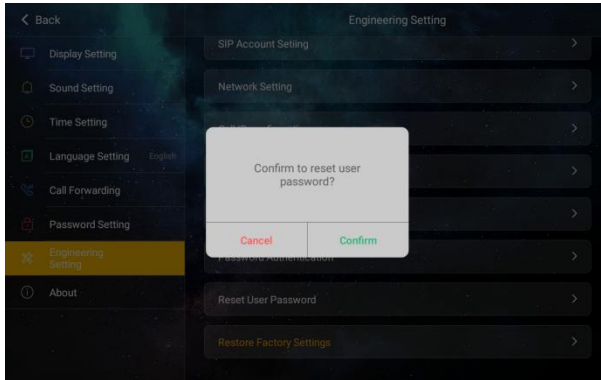


Password Authentication Interface

After enabled the Password Authentication, encrypt the functions needed, it will be required to input user password for using these functions.

4.8.8 Reset User Password

Operation path: Settings > Engineering Setting > Reset User Password

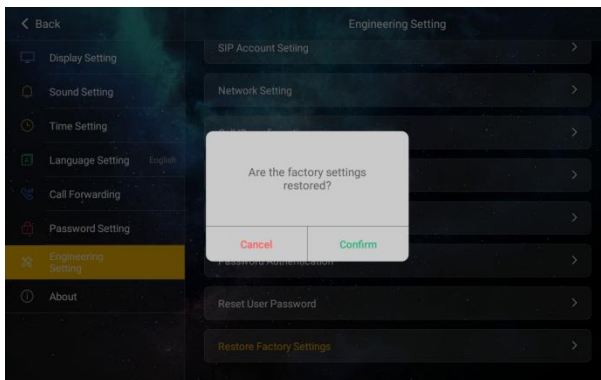


Resetting User Password Interface

Once user forgot the user password, user can reset the user password to be 666666.

4.8.9 Restore Factory Setting

Operation path: Settings > Engineering Setting > Restore Factory Setting



Restore Factory Setting Interface

- After 60 seconds after powering on, to restore the factory settings, then the device will be reset to defaulted parameter.
- Within 60s after powering on, to restore the factory settings, then the device will be reset to defaulted parameter, meanwhile all the record will be cleared up.

Chapter 5 Address book configuration

Automatic configuration mode: This machine can discover other S-series devices in the same network segment. For small system networking within 16pcs, automatic discovery is preferred. It is a plug and play mode that does not require complicated configuration. Networking requires Router routers to allocate IP addresses to each device, and devices use MDNS protocol to discover each other.

Address book mode: To disable automatic configuration mode, address book mode is required. The devices connected to the address book network need to download a unified address book configuration table, which can be pushed locally by Update&Configuration Tool or pulled online from the intelligent management platform.

5.1 Address book generation

Please refer to Chapter 3.4 Engineering Configuration of the Intelligent Management Platform User Manual for details.

5.2 Address book synchronization

For large-scale community networking systems, devices need to use the address book mode uniformly, and there are two ways to synchronize the address book. Method 1: In Chapter 3.4 of the Intelligent Management Platform User Manual, configure the address book and export the address book configuration file addressBook.xml. Then use the Update&Configuration Tool to locally push to devices. For communities that are not connected to the internet, the tool can only be used to push to all devices.

Update Tool V1.0.5_20230817
Local IP: 10.255.254.10

Program upgrade
Resources upgrade
Access password
Switching Language
Address tool

Resources upgrade

Please make sure device types: SO001
Access password:
Search equipment

Address book
Logo
Configuration file

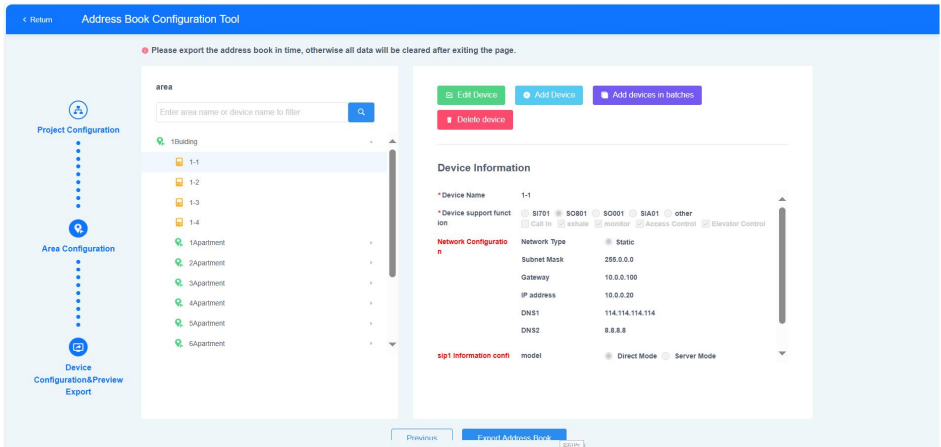
Please select the software version
Please select the hardware version
Please enter the MAC address
Filter

<input type="checkbox"/>	NO	Device Name	MAC	IP address	Model No.	Software version	Hardware version	Operation
<input type="checkbox"/>	1	SO001_86C8A0	1c:87:76:86:c8:a0	10.255.254.9	SO001	HDS-I1000_1.0.4_20		Upgrade

Upload FW: D:\Program Files\WpfAppUpdate\update\addressBook.xml
Upload
Verify encrypted password 123456

*Note: The computer and the device to be configured maintain the same IP segment!

Method 2: In Chapter 3.4 of the Intelligent Management Platform User Manual, in the Device Configuration&Preview Export interface, click<Update Device Address Book>→ The platform will immediately send the saved address book to the corresponding device and update the address book of all online devices in this community. In the device configuration&preview export interface, click<Save Address Book>→ Platform saves the edited address book, but does not distribute it to the device. After logging into the intelligent management platform, the device will automatically synchronize the community address book.



5.3 Address Book Application

After receiving the address book, the device will automatically restart and update the contact information. Go to Engineering Settings - Device Name Settings, enter the device name and click Save. This will prompt that the device exists in the address book. Do you want to use the address book information? Clicking confirm will prompt that the setting is successful and restarting is in progress. For example, the address book contains the device name "1-1" (device name: 1-1, region: 1Guiding, supported functions: outbound/monitoring/elevator control/access control, gateway: 10.00.100), IP : 192.168.0.20, Mask: 255.0.0.0, DNS1:114.114.114.114, DNS2: 8.8.8.8, SIP Username: 00011, Protocol Type: udp) , After the user inputs "1-1" to save, the IP address information and SIP account information will be automatically updated to the above information. For large-scale community networking systems, after configuring the address book, it is necessary to set the device name for each device separately and apply the address information corresponding to this name. For detailed instructions on setting device names, please refer to section 5.1.14 or section 5.12.10 on setting device names for Web Server.

