

Wireless Intercom Access User Manual

Model: WIA-200 series
Version: 1.8.2



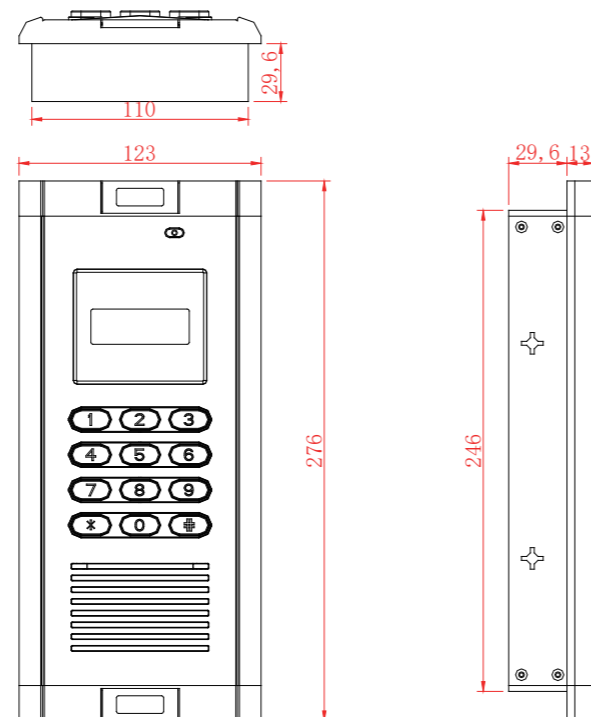
Main Features

- 1). GSM Quad-band 850/900/1800/1900MHz.
- 2). Dial to open the door, free of phone charge.
- 3). High quality two way voice communication.
- 4). Max. 200 houses management.
- 5). Different password could be set for each house.
- 6). Each house could set max. 5 family phone numbers.
- 7). Remote door releasing, without distance limits.
- 8). No Wiring Installation, more user friendly.
- 9). Waterproof metal keyboard with lighting.
- 10). Set by PC software, Network, SMS, Device keyboard.




Layout and Parameter

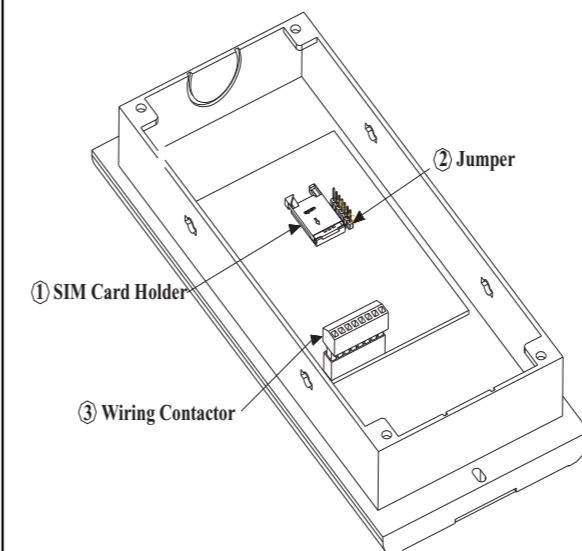
GSM Frequency Bands	Quad-band 850/900/1800/1900 MHz
Power Supply	DC 12V/1.5A
Houses	Max. 200
Admin members	1
Family Members	5
Relay outputs	2 (NC/NO)
Setting Type	Keyboard , SMS Network, PC Software
Power Consumption	Stand-by: 12V/60mA Working: 12V/200mA
Transmitting Power	Class 4 (2W): EGSM 850/900 Class 1 (1W): GSM 1800/1900
Operating Temperature	-20 °C ~ +60 °C
Dimensions	276*123*29.6mm
Installation	Embedded
Grass Weight	1.5 kg

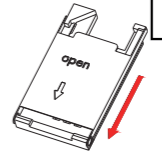
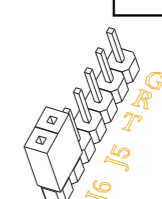
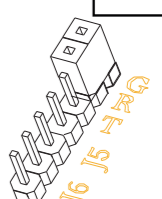


Settings

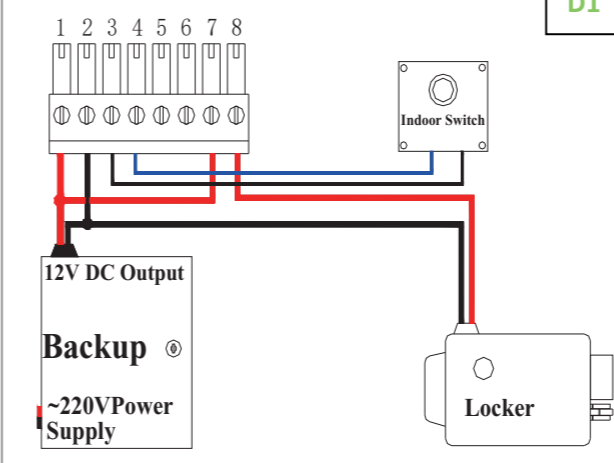
- 1). Open the device's back cover and insert the SIM card. (B1, B2)
- 2). Wiring connection refers to (D1). Then switch on device, LED screen displays **8888**.
- 3). When the SIM card goes to work, LED screen will display .
- 4). How to RESET ?
 - ① Remove the Jumper from J6 (C1) to G R (C2).
 - ② Power on the device.
 - ③ After 3 seconds, pull out the jumper, and plug it back to J6 (C1).

Notice: The RESET will make the device to factory mode, all phone numbers and settings will be removed.



A1	B1	 <p>Open the SIM card socket (B1) Put the SIM card in the holder (B2), and close it.</p>
B2	C1	C2
		

How to RESET the device?
Remove the Jumper from J6 (C1) to G R (C2), and plug it back to J6 after resetting successfully (C1).

D1	 <p>1 DC power supply +12V 2 DC power supply - 12V 3 Connect to the indoor switch 4 Connect to the indoor switch 5 Backup relay 2 6 Backup relay 2 7 Relay output 1 8 Relay output 1</p> <p>Notice: Port 5 and 6 used as a backup relay for connecting other devices. Port 7 and 8 used for controlling electronic lock, the wiring connection refer to (D1)</p>
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Basic Settings

△ Enter to Setting Mode

→ **USEA** → Admin Password(6 digits, default:123456) → # → **SEt** .

△ Exit to Setting Mode

Press * to exit. If there is no actions after 30s, it'll exit the setting mode automatically.

△ Set Admin's phone number

0000# → **CALL IN..** → Call the device number by Admin's phone number → **donE** .

△ Set/change the Admin Password

①. By Device Keyboard:

→ **USEA** → # → **P** → Enter the preset password (default:123456, invisible)
→ # → **P1** stands for correct → Enter the new password → # → **P2** repeat
new password → **donE** .

②. By SMS Commands (only valid for Admin's phone number):

#old password#new password

This operation will not return message from device, please test new password on keypad.

E.g.: #123456#888888 Change the old password(123456) to new password(888888).

△ Set House Owners's Phone Numbers

①. By Device Keyboard:

→ **USEA** → Admin Password → # → **SEt** → Enter room number(e.g.: 0101)
→ # → **101** → 1# → **CALL IN..** → Call the device number by house owner's
phone number → **donE** . (When setting is completed, the house owner's phone
number will be the mangle number of that house)

②. By SMS Commands (only valid for Admin's phone number):

- Set one house's owner: **#room number#1#house owner's phone number**

- Set multi-houses' owner (Max. 5 houses in one SMS message):

#room number#1#owner's phone number#room number#1#owner's hone number

E.g.: #0801#1#1388889#0802#1#1388888#0803#1#1388887

Means: Set the house owner's phone number of room 801, 802, 803.

△ Delete House Owners's Phone Numbers

①. By Device Keyboard:

In **SETTING MODE SEt** → Enter room number(e.g.: 0101) → # → **101** → 0# → **donE** .

②. By SMS Commands (only valid for Admin's phone number):

- Set one house's owner: **#room number#0**

- Set multi-houses' owner (Max. 5 houses in one SMS message):

#room number#0#room number#0

E.g.: #0801#0#0802#0#0803#0

- Delete the house owner's phone number of room 801, 802, 803.

△ Set the Device Calling Type

①. (Default Type) When visitor enter the room number, the device will call all phone numbers of that room one by one, and will hang up automatically as soon as the mobile phone rings. At this case, home owner need to call back to device to open the door for visitor.

**Call Out Reject
Type**

- By device keyboard: In **SETTING MODE SEt** → **4#** .

- By SMS command: **#4**

②. When visitor enter the room number, the device will call all phone numbers of that room one by one, and will not hang up until the mobile phone was answered. At this case, home owner need to answer the phone call, and enter 0 on his/her mobile phone to open the door.

**Call Out Answer
Type**

- By device keyboard: In **SETTING MODE SEt** → **5#** .

- By SMS command: **#5**

△ Set the Relay Working Time (Range: 1 ~ 300 seconds, 0 stands for DISABLED)

①. By Device Keyboard:

- Realy 1: In **SETTING MODE SEt** → **6#1#** → working time → # .

- Realy 2: In **SETTING MODE SEt** → **6#2#** → working time → # .

②. By SMS Commands (Only Valid for Admin's phone number):

#6#1#relay one working time#2#relay two working time

E.g.: #6#1#3#2#12 Relay 1 works for 3s then off, relay 2 works for 12 seconds then off.

△ Set the Relay NO/NC Type (Default: NO type)

By SMS Commands: **#6#1#NO#2#NC**

Means: relay 1 is normally open, relay 2 is normally close (NO/NC = Normally Open/Close)

△ Inquiry The Device Status

①. By Device Keyboard:

In **SETTING MODE** **5Ee** → **7#** → **7_** → **donE** Message was send .

②. By SMS Commands (only valid for Admin's phone number):

#7 - The device status includes IMEI Code, GSM Signal, ...etc.

△ Delete All the Authorized Phone Numbers (Only Valid for Admin)

ONLY By SMS Commands: **#admin password CLRALL**

E.g.: **#123456CLRALL**

△ Set Door Releasing Password and Authorized Family Pone Numbers.

Each room has a door releasing password which could be used to open the door through the device keyboard. In addition, each house owner can assign max. 4 phone numbers to dial to dial to open the door(free of charge).

①. Add/Change the Door Releasing Password (by SMS Commands):

Room Number**#6#**Door Releasing Password

②. Add/Change the Door Releasing Password (by SMS Commands):

Room Number**#2#**Family Member's Phone Number**#6#**Door Releasing Password

Room Number**#3#**Family Member's Phone Number**#6#**Door Releasing Password

Room Number**#4#**Family Member's Phone Number**#6#**Door Releasing Password

Room Number**#5#**Family Member's Phone Number**#6#**Door Releasing Password

Notice: The Admin's phone number can't be set as the house owner's phone number.

How to Open the Door?

①. House Owner and His/Her Authorized Family Members.

By Keyboard: Door Releasing Password → **#** → **OPEN** .

By Phone Call: Dial to open the door, the device will reject the phone call automatically.

②. Vistors.

By Keyboard: **Room Numbers** → **#** → the house owner answer the phone call from device, and enter **0** on home owner's mobile phone → **OPEN** .

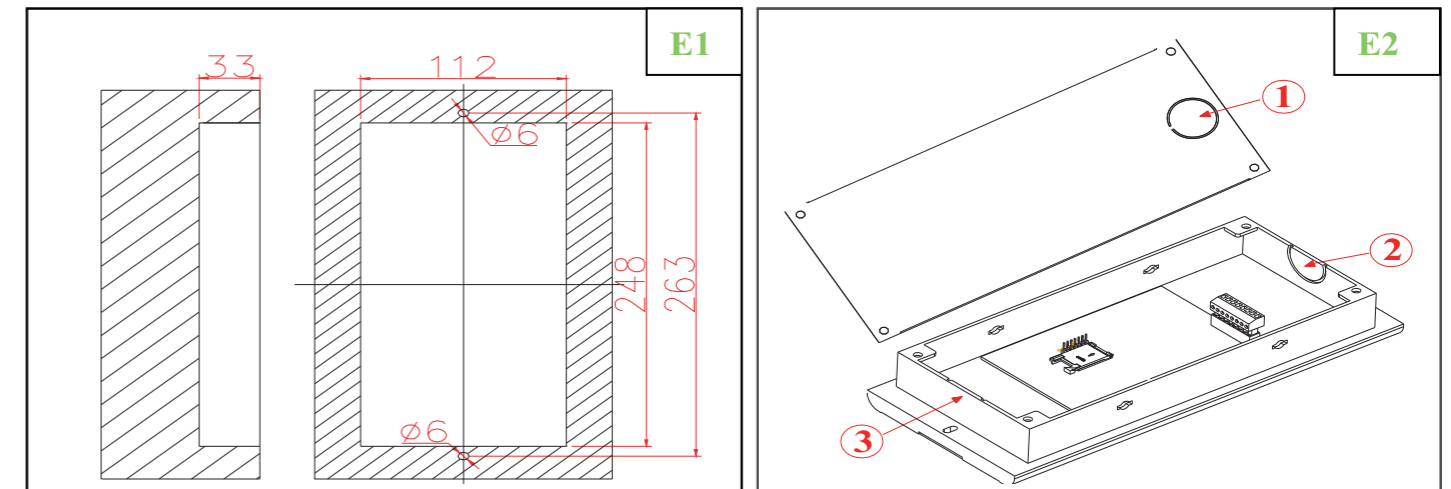
③. Admin.

By Keyboard: **Admin Password** → **#** → **OPEN** .

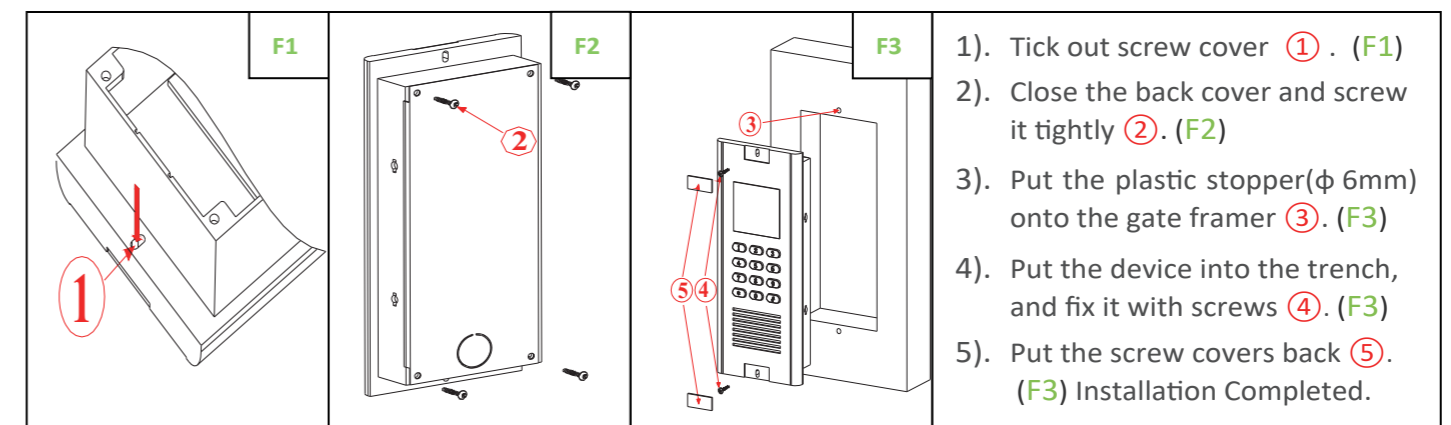
By Phone Call: Dial to open the door, the device will reject the phone call automatically.

Installation

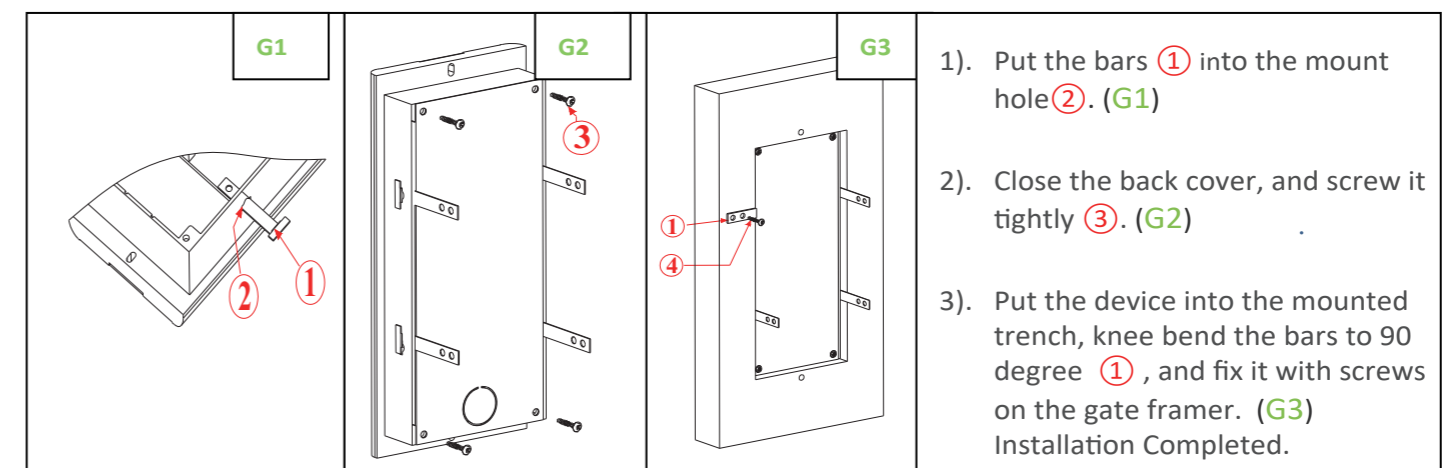
- ①. Dig a trench for the device (E1, approximate dimensions: H248 * W112 * D33mm).
- ②. Open the line outlet holes for wiring (E2, there are three reserved outlet holes(①②③) for wiring).
- ③. There are two installtion type, please refer to the pictures as below.



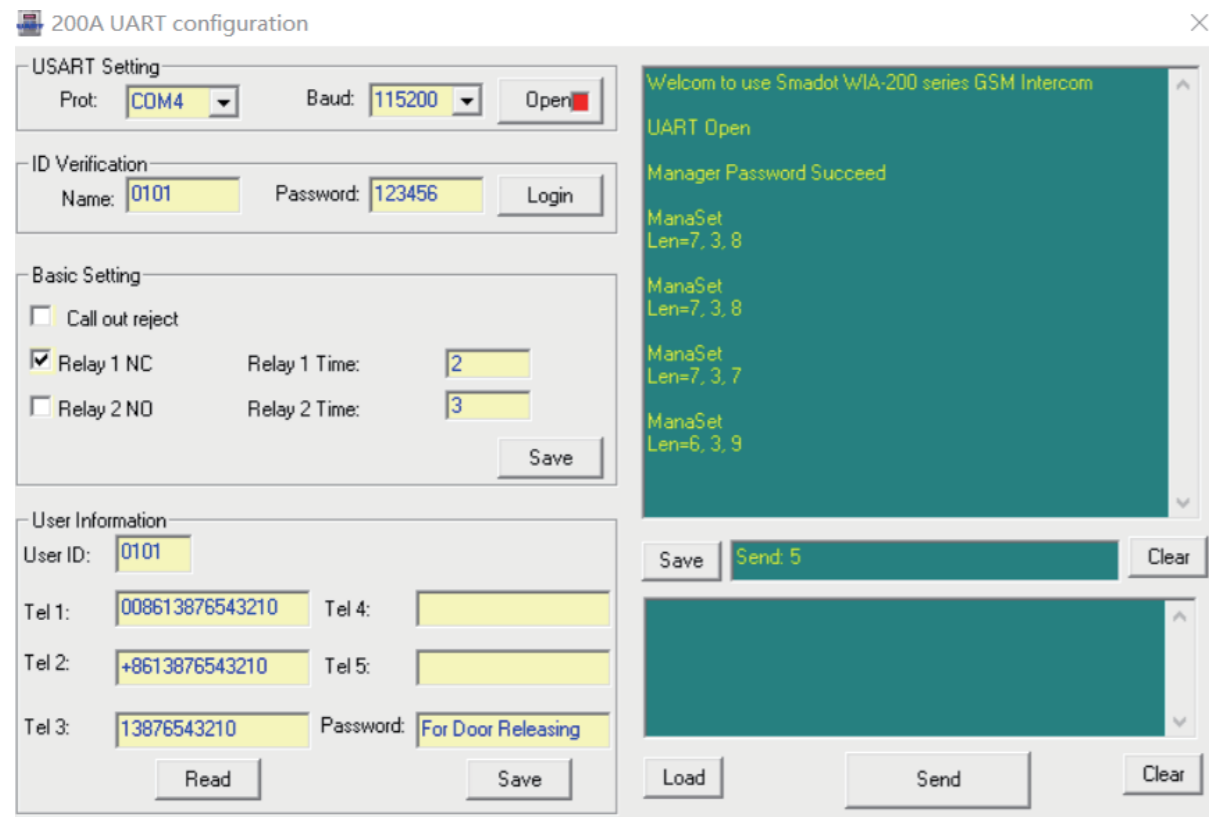
Installation Type 1:



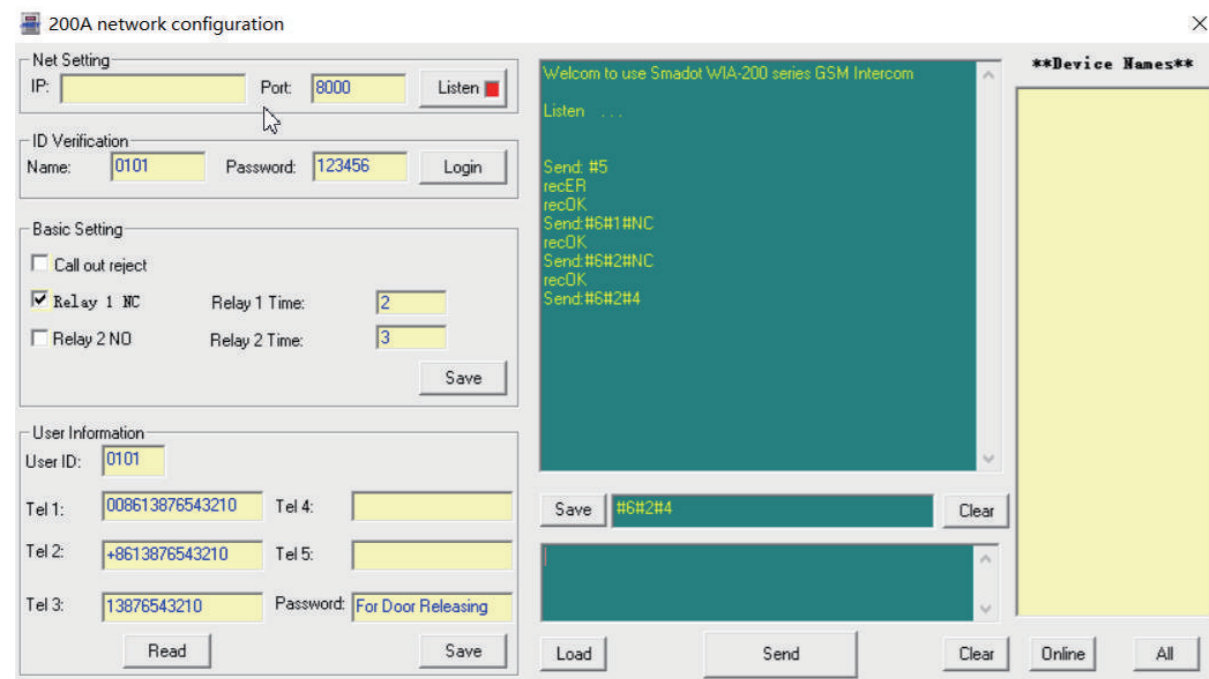
Installation Type 2:



UART Configuration



Network Configuration



IMPORTANT: Must set the Admin's Phone Number first before the Network Configuration. For more, please refer to the Admin's Phone Number Settings on page 4.

UART and Network Configuration Guide

Net Setting	
IP	Set by SMS command: <code>IP address*port#</code> , then " Device Names " will show info. If use the router, the IP address must be external IP address, not the local IP address.
Port	Same as the forward port of router.
Listen/Close	When the connection succeed, this button light will turn green.
UART Setting	
Port	COM Port Number.
Baud	Must be 115200
Open/ Close	When the connection succeed, this button light will turn green.
ID Verification	
Name	4 digits, set by SMS command: <code>#8device name</code>
Password	6digits, the default password is 123456
Login	Login to verify the ID information. A must step before the configuration.
Basic Setting	
Call out reject/answer	Refer to the Device Calling Type on page 5
Relay 1	The first relay output, default: NO type.
Relay 2	The second relay output, default: NO type.
Time	Relay working time, range: 1 ~ 300seconds.
User Information	
User ID	Room number.
Tel 1	Home Owner's phone number. Supports all kinds country code format.
Tel 2 - 5	The family members' phone number. Supports all kinds country code format.
Password	This password is for door releasing.
Read	Read all the phone numbers and password of the device
Command Sending Area	
Load	Load the settings from the file: <i>Load data.TXT</i> . If the data loading failed, the device will create a file named: <i>Uncompleted data.TXT</i> .
Send	Send the command
Clear	Clear the message on the screen
Save	Export data history to a file: <i>TCP data received history.TXT</i>
recER	The device does not receive the command
recOK	The device has received the command
Online	The online device list
All	All the devices, include the online and offline devices

ABOUT SMADOT

SMADOT is located in Shenzhen, China. With professional R&D ability and sales markets more than 100 countries, SMADOT is one of the China's leading door entry system manufacturer for professional users and end consumers. During the years of qualified technology development, SMADOT offers a wide-ranging assortment of door entry products the global market, including video and audio doorphones, building intercom system, RFID access control system. Choose smadot, choose the quality.



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