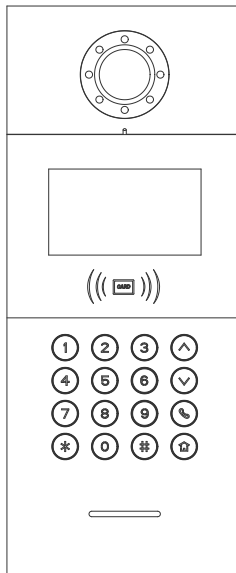


User Manual

Outdoor Station



H series-Outdoor Station User Manual_V1.1

Model Number: H-OS02

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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Unit 1 Overview

Outdoor station is one of the main parts in the digital video door phone system. It is connected with indoor stations, guard units and other devices in the system by standard CAT5 cables. And it supports RFID access control (IC or ID).

1.1 Functions and Characteristics

- 4.3" LCD display
- Support IC or ID Card
- auto fill light with high luminance LED
- Door status detection
- Support normally-closed /normally-opened
- Provide a output DC 12 v / 800 MA (when the input voltage > 18V)

1.2 Parameters

Working Parameters

Working Voltage: DC 24V

Working Current: ≤ 700mA

Static Current≤ 100mA

Environment Temperature: -20°C ~ +55°C

Camera

Camera Type: CMOS Focal distance: 2.5mm

View Angle: 110° Minimum Illumination: 0 lux

Pixel: 640 * 480 LED: white light

Display

Type: LCD

TFT Screen Size: 4.3"

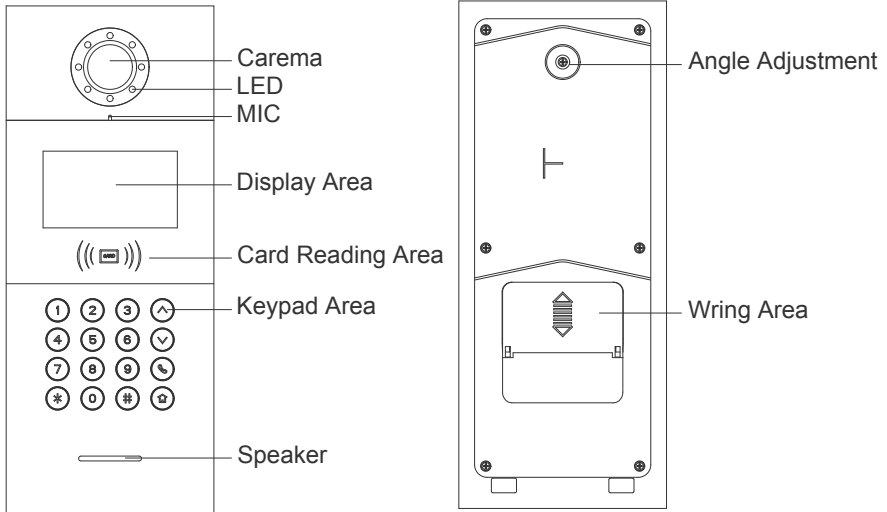
Resolution: 480×272

Dimension

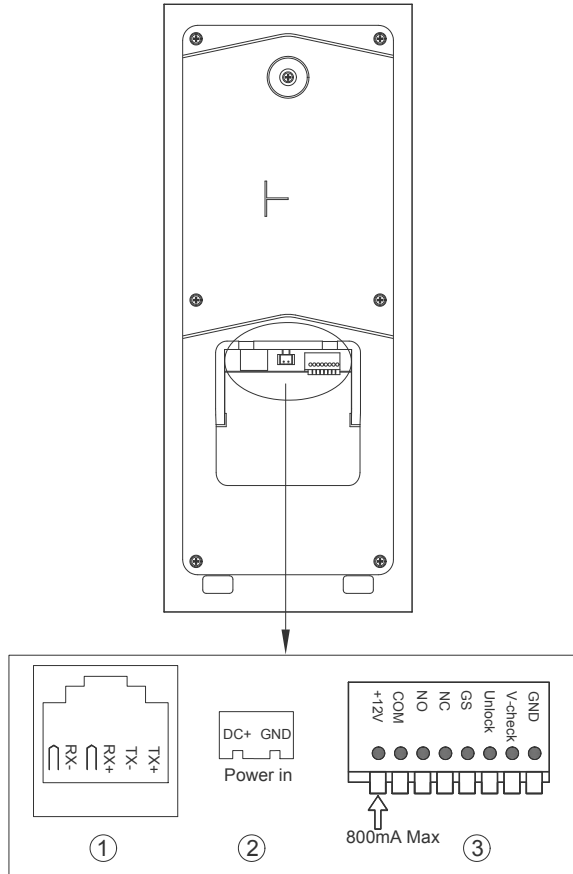
(W/H/D) 148.5×363×47 mm

Unit 2 Appearance and Interface

2.1 Front View



2.2 Rear View



1. Network Interface (Non-standard PoE 24V power supply; if power is needed for gate lock or low temperature heating function is required, outdoor station must be supplied independently.)

2. Interface for input power:DC 24 V (interface for independent power supply)

3. +12V : Only when the outdoor station input voltage >18V, + 12 V voltage is given. If input voltage is + 12 V, the output will be lower than + 10V.

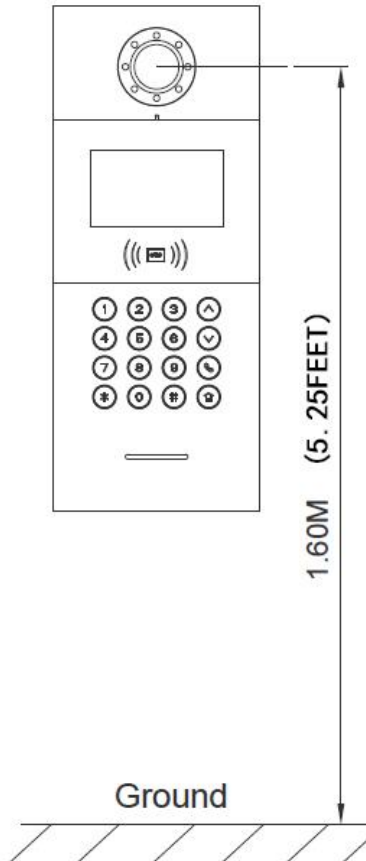
COM, NO and NC : Common pin, normally-open pin, and normally-closed pin for the unlock relay.

GS: Door status detection input pin.

UNLOCK GND: unlock

Unit 3 Installation

3.1 Height Installation



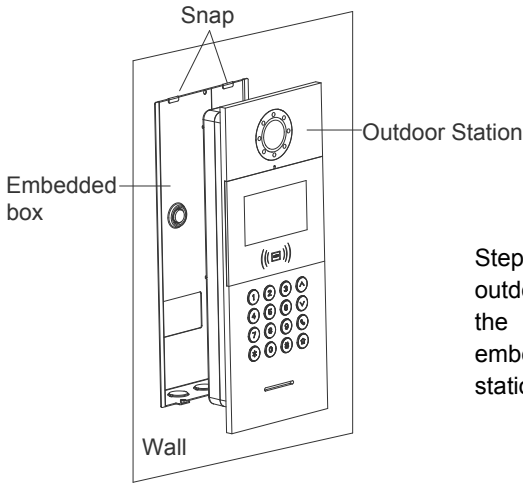
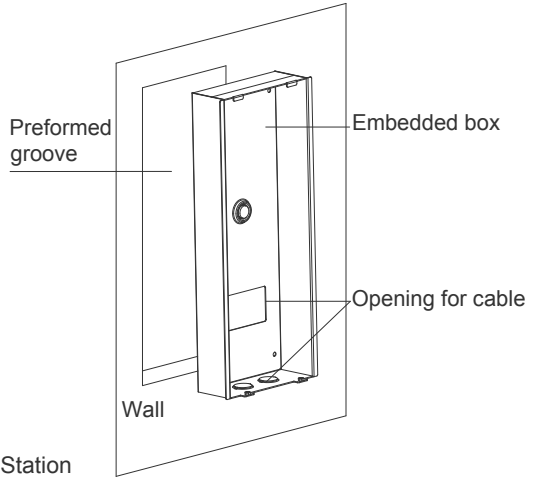
Notes for Installation :

1. The depth of the groove should be well measured. Too much space between the wall and the embedded is prohibited.
2. Do not install on the wall that have much contact with rain, moisture or dust. And keep away from objects of high temperature and strong corrosivity.

3.2 Installation Illustration

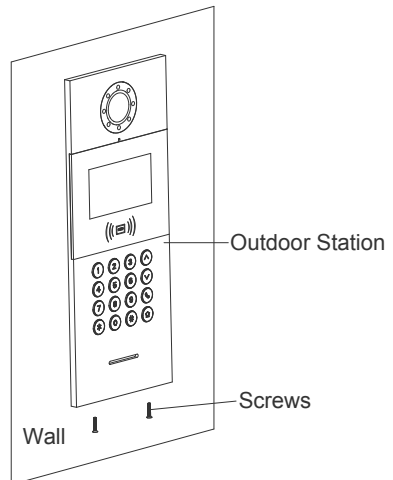
Step 1: Put the embedded box into the preformed groove. After getting the cable out through the opening, fasten the box with nails or by cement.

Embedded box dimension (W/H/D) :
131.6 x 340x 49mm



Step 2: After connect the cable to the outdoor station, match the snap slot of the outdoor station to the snap of embedded box and press the outdoor station into the box.

Step 3: Fasten the outdoor station to the box with screws.



Unit 4 Operation Instructions

4.1 Call Indoor Station

Visitors make a call via inputting building number、unit number and room number, then press # to start the call. There will be ring back tones on this station, during ringing, press * to cancel the call. If there is no any answer within 30 seconds, call will be ended automatically.

Secondary Outdoor Station Mode :


Input range : The building number and unit number is default , when to call, just need to input the room number (like 0101), and the room number ranges from 0101 to 6332.

Outdoor Station Mode:

Outdoor station input range : Building number (1 ~99) + unit number (1~9) + room number (0101~6332) , such as 011+0101.

Villa outdoor station input range : Building number(00)+unit number (0)+room number (1~999) , such as 000+0101 .

4.2 Call Guard Station

At the status of Standby, visitors can press  key to call guard unit.

4.3 Unlock

1. Reading Card to Unlock

To unlock it, put a registered card to the card reading area of outdoor station/gate station.

2. Unlock Button for Exit

There is a interface on the outdoor station/gate station that can wire to a button inside the door, which resident inside can just press and unlock.

3. Unlock Password

Public Password Unlock: # +Public password+ #

User Password Unlock:* + # +room number + User Password+#

Remarks: Default password of public password & user password is 666666.
This function is activated (as default setting), to activate function of unlock

Unit 5 Entry Settings

5.1 Standby Interface



Home

5.2 Login for Engineering Settings

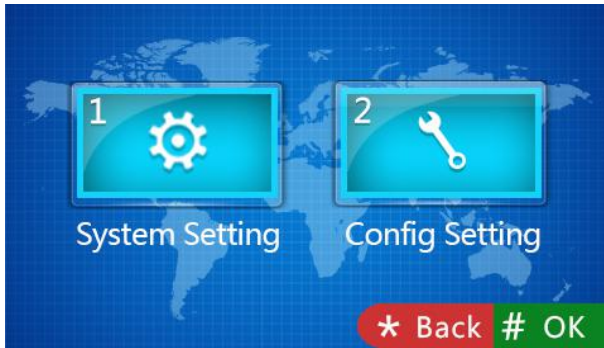
Press "#" and then "*" key, enter into the login interface for engineering settings. Default password is "801801"



Login for Engineering Settings.

5.3 Setting interface

Input the correct password then press "#" key to confirm and enter it. You can both press the up/down key to choose the item of setting, or press the corresponding number (shown on the icon) directly.



Engineering Settings

Unit 6 System Settings

System settings, including time setting, sound setting, language setting, password setting, unlocked- time setting, card management, and elevator setting. You can both press the up/down key to choose the item of setting, or press the corresponding number (shown on the icon) directly.



System Settings

6.1 Time Setting

As the illustration below, you can use press up/down key to choose the item to modify, then input the numbers. Press "#" key to confirm.



Time setting

6.2 Sound Setting

Use the up/down key or number keys to select the item, and "#" key to adjust. After adjusting finished, press "*" key and it will save and return.



Sound Setting

6.3 Language Setting

Use the up/down key or number keys to choose the language, press "#" key to confirm.



Language Setting

6.4 Password Setting

Password setting includes 3 items: On and Off for user password and public password, and change of public password.



Password Setting

6.5 Unlocked-Time Setting

Unlocked-time setting is to set the duration of the unlocked time after door opened. When the time is out, the door will lock again automatically. The unit is "second" .Press "*" key to delete and press "#" key to confirm.



Unlocked-Time Setting

6.6 Card Management

Card management includes registration, check(card information), delete, clear(delete all) and copy.



Card Management

Enter "register" and register by a card or by inputting the card number. Press "#" key to confirm. You can press "*" key to delete if needed.

Remark: Maximum quantity of cards registered is 20,000 pcs.



Registration

The operation of “delete” is same as “registration”.

Enter “check” and you can check all card numbers and the quantity of cards registered.



Index	Card ID

Sum : 0 * Back # OK

Card Information

If you choose the “clear”, a message will come out for you to confirm the operation(delete all). Press “#” key to confirm, and press “*” key to return.

The function of “copy card” is to copy the data and information to other outdoor stations and gate stations. First choose outdoor station or gate station and press “#” key confirm. After that input the number of the target outdoor station/gate station. Then press “#” to start copying. A message will come out when it is completed.



Copy

Unit 7 Configuration Settings

Configuration settings includes device property, dialing setting, alarm setting, factory test, configuration password, company info, device info. Use up/down key to choose or directly press corresponding number to a particular setting.



Configuration Settings

7.1 Device property

The device can either be used as outdoor station or gate station, depending on the definition of device property. Choose and define it as outdoor station or gate station then press "#" to confirm. And it will go to the number setting.



Device property

If it is a outdoor station, you will find there are setting for building number(1-99), unit number (1-9) and entrance number of the building (1-10)



Outdoor Station

Building No. : 1

Unit No. : 1

No. : 2

* Back # OK

Outdoor Station Number Setting

If it is a gate station, you only need to input the number of the gate(1-32).



Gate Station

No. : 1

* Back # OK

Gate Station Number Setting

7.2 Dailing Settings

If it is outdoor station, there will be options: “3” or “4”.

If you choose “3”, you should dial 3 numbers (3digit)to call. For example, to call room 8 floor 8, you should dial 808.

If you choose “4”, you should dial 4 (4digit) numbers to call. For example, to call room 8 floor 8, you should dial 0808.



Dialing Settings

If it is gate station, the setting includes two sections.



Gate Station Dialing Setting

Section 1: Building number + unit number.

If you choose “1”, there is only 1 digit number of units of a building.

If you choose “2”, there is 1 digit number of buildings and 1 digit number of units.

If you choose “3”, there is 2 digit number of buildings and 1 digit number of units.

Section 2: Floor number +Room number

It is same as the setting of outdoor station.

Please refer to the below table for the dialing number settings of gate station.

Bld.&Unit Floor &Room	1	2	3
3	No building number + 1 digit unit + 1 digit floor +2 digit room number	1 digit building number + 1 digit unit + 1 digit floor +2 digit room number	2 digit building number + 1 digit unit + 1 digit floor +2 digit room number
4	No building number + 1 digit unit + 2 digit floor +2 digit room number	1 digit building number + 1 digit unit + 2 digit floor +2 digit room number	2 building number + 1 digit unit + 2 digit floor +2 digit room number

7.3 Alarm Setting

Enter the alarm setting and choose “on” or “off” for each items. When the alarm is triggered, it will send information to management center/guard unit.



Alarm Setting

7.4 Factory Test

There are various testing programs on FACTORY TEST interface, most frequently use are SYSTEM RESTART and FACTORY RESTORE SETTING. When touch SYSTEM RESTART, choose CONFIRM on pop-up box to restart system. When touch FACTORY RESTORE SETTING icon, choose CONFIRM on pop-up box to restore the system as factory setting, which means all settings (as device properties , volume etc.) will be restored as factory setting.



Engineering Setting

7.5 Configuration Password

The default configuration password is 801801. And here you can change the password. Input the current password. The text frame will move to new password if the password you input is correct. Then Input your new password(6 digit) twice.



Configuration Password

Current password:

Current password:

New password:

New password again:

* Back # OK

Engineering Password Setting

7.6 Device Information

In “Device Information” you can find version of the system (outdoor station/App/MCU), IP address and MAC address.



Device Information

Item	Value
OS Version	Sep 22 15:44:07 CST 2015
App Version	SR503-OS_V1.00_20150922
MCU Verison	SR503-OS_ID_V1.50_20150922
IP Address	10.2.192.8
MAC Address	00:0E:ED:02:C0:08

* Back # OK

Device Information Interface

