Model 15 Two Wires Digital Outdoor Station

User Manual

Warnings:

1. The intercom system including an outdoor station,an indoor station and a power supply. Please read this manual before installation, and then install it according to this instruction.
2. To avoid the danger of electric shock,please make sure that the power system is off before installation or maintenance.
3. If you are not a professional, please do not disassemble the shell to avoid electric shock.
4. Only the TF card is configured, will the video recording function be available. You can purchase TF cards and install it on the indoor station according to your own needs.
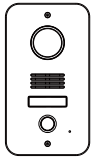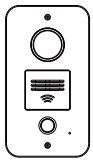
Description of product model

Sequence No.	Model	Product Name
1	EH2W-OS-M55-006	Model 15 Two Wires Digital Outdoor Station
2	EH2W-OS-M55-007	Model 15 Two Wires Digital Outdoor Station
3	EH2W-OS-M55-008	Model 15 Two Wires Digital Outdoor Station
4	EH2W-OS-M55-009	Model 15 Two Wires Digital Outdoor Station

Contents

1. Contents of the Package

Outdoor Station	Different	Identical		
 M55-001	Mr.Chen ×2 Nameplate	×1 Rain shield	×2 Screws	×1 Screws
		×3 Expansion tube	×1 Screw driver	×1 Wire(2.0)
 M55-002	⌖ Card reader	×3 Wire(2.54)	×1 Wire(2.54)	
 M55-003	Mr.Chen ×2 Nameplate	×1 Embedded box	×2 Copper nut	×1 Screws
		×1 Screw driver	×1 Wire(2.0)	×3 Wire(2.54)
 M55-004	⌖ Card reader	×1 Wire(2.54)		

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2. Product Description

2.1 Product appearance(Four types)

EH2W-OS-M55-001
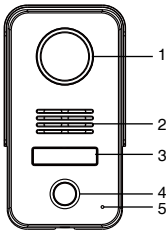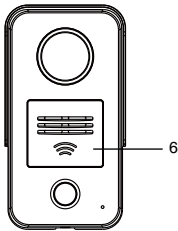
EH2W-OS-M55-002

1. Camera
2. Loudspeaker
3. Nameplate
4. Call Button

5. Microphone
6. Card Reader
7. 2-wire Communication Port
8. Exit Port
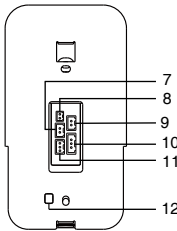
9. Lock2 Port
10. Lock1 Port
11. Door Status Detector Port
12. Anti-dismantle Alarm Trigger

EH2W-OS-M55-003
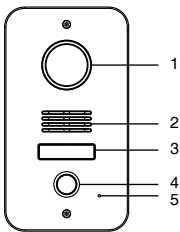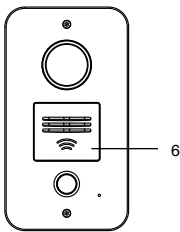
EH2W-OS-M55-004

1. Camera
2. Loudspeaker
3. Nameplate
4. Call Button

5. Microphone
6. Card Reader
7. 2-wire Communication Port
8. Exit Port
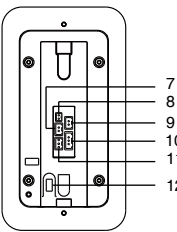
9. Lock2 Port
10. Lock1 Port
11. Door Status Detector Port
12. Anti-dismantle Alarm Trigger

2.2 Main Technical Parameters

Outdoor Station	
Camera	1/4 CMOS
Video format	1080p
Working voltage	24V
Operation mode	Mechanical key
Max power consumption	5W
Standby power consumption	1W
Ingress protection	IP54
CardType	IC card
Card capacity	100
Working temperature	-40℃~ 55℃
External dimensions(mm) (W×H×D)	79×146×45(M55-001/M55-002) 93×168×32(M55-003/M55-004)

3. System Installation

3.1 Wire Assignment and Distance

Wire Assignment		Length(m)
AWG21		80
AWG22		80
AWG23		80
AWG24		80

3.2 Connection Diagram

3.2.1 One to One Kit

A. System Expansion Diagram

B. Standard Installation

Exit Button — Exit Port / Gnd

Bus- / Bus+ — Switch- / Switch+ — Switch Output (Lock2)

Door1 Open / Gnd / Door2 Open — NO / COM / NC — Power Control Output(Lock1)

OutDoor Station

Door2 Open Detector

Door1 Open Detector

InDoor Station — Bus- / Bus+

DoorBell / DoorBell — Power+ / Power-

110/220V AC

Gnd / N / L — Power- / Power+

N L — + - +

Power Supply   or   Adaptor
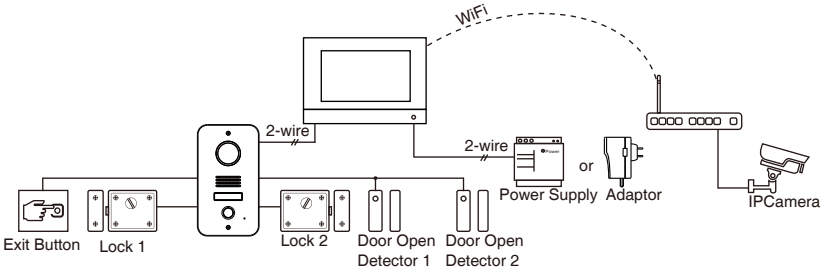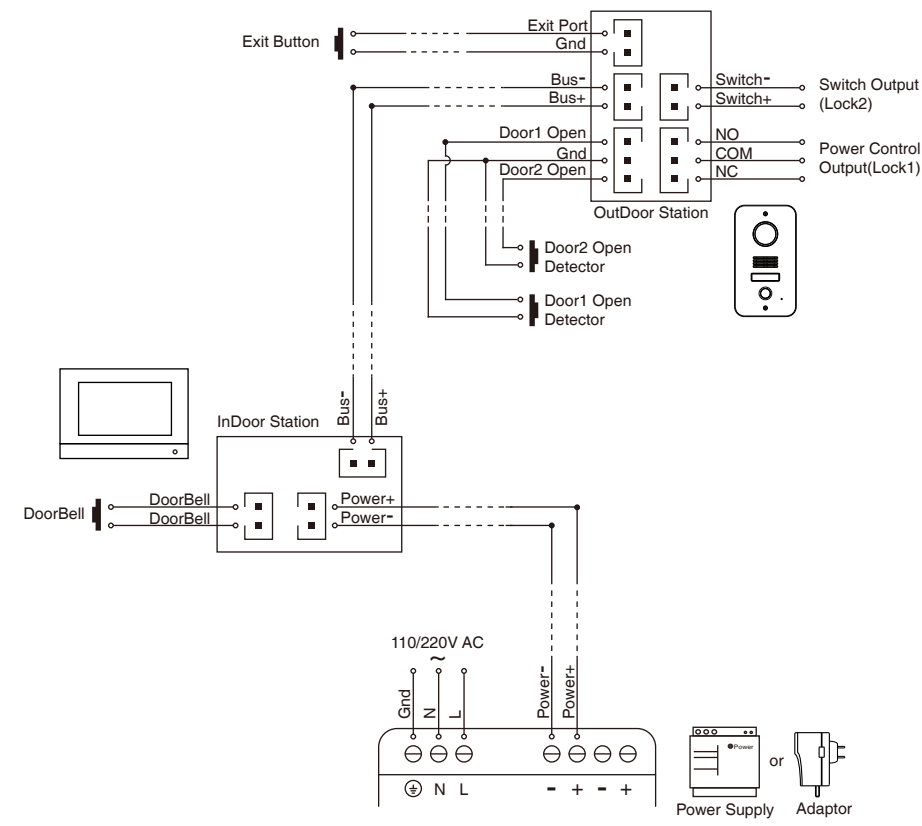
3.2.2 Multi to multi Kit

A. System Expansion Diagram

or   Power Supply   Adaptor

2-wire   2-wire   WiFi / WiFi

2-wire   2-wire   IPCamera

B. Standard Installation

Power- / Power+

110/220V AC

Gnd / N / L — Power- / Power+ — 2-Wire Digital Distributor

N L — - + - +

Bus- / Bus+ (×8)

Power Supply   or   Adaptor

Connect to other Indoor/Outdoor Station

OutDoor Station

Exit Button — Exit Port / Gnd

Bus- / Bus+ — Switch- / Switch+ — Switch Output (Lock2)

Door1 Open / Gnd / Door2 Open — NO / COM / NC — Power Control Output(Lock1)

Bus- / Bus+

Door2 Open Detector

Door1 Open Detector

DoorBell / DoorBell — Power+ / Power-

InDoor Station

3.2.3 Lock Connection Instructions

Power Control Output (Lock1)

+12V   Unlock   — NO / COM / NC

Gnd

Switch Output(Lock2)

Unlock — Switch - / Switch +
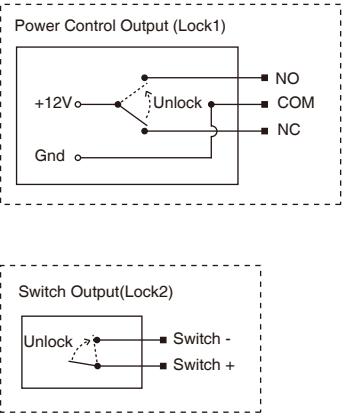
Note:
　If the lock is opened by stopping power supply, the lock should be connected to NC and COM terminals, and the normal working current of the lock is no more than 800mA.
　If the lock is opened by power supply to the lock, the lock shall be connected to the NO and COM terminals, and the current is no more than 800mA when the lock is opened.

Note:
　Lock 2 is the signal output mode, which is normally disconnected and connected when the lock is opened.
　The maximum voltage supported by lock 2 is 24VDC and the maximum current is less than or equal to 800mA.

3.3 Installation

3.3.1 Surface Mounted Installation

Wall
Rain Shield
M3 Self-tapping
Door Panel
Screw
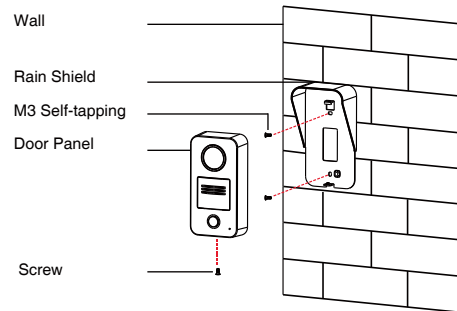
1. Drill the hole at the appropriate height on the wall, and then insert the rubber plug into the hole on the wall.
2. Fix the rain shield on the wall with the screw.
3. Connect the wire to the outdoor station.
4. Fix the outdoor station to the rain shield with the screw.

3.3.2 Flush Mounted Installation

Wall
Embedded Box
Door Panel
Screw

1. Trepan a hole in the appropriate position on the wall, insert the embedded box in the wall slightly, and fix it with the cement slurry.
2. Connect the wire to the outdoor station.
3. Fix the outdoor station of which a sponge pad is pasted at the alarm trigger, and lock the outdoor station with the screw.

3.3.3 Replace Nameplate of Outdoor Station

1.Push down and push to the left.   2.Take out the nameplate.

3.Change the nameplate sticker.   4.Push down and push to the right.
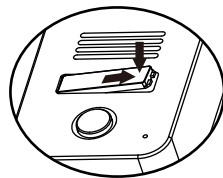
4. Parameter Settings

4.1 Enter Setting Function

08:22am
2018/08/08 Monday

Record Monitor Privacy Screen Lock Intercom Settings

1. Touch the 〔⚙〕 Icon.

Set outdoor station parameters
Home
Set system parameters
Set indoor station parameters

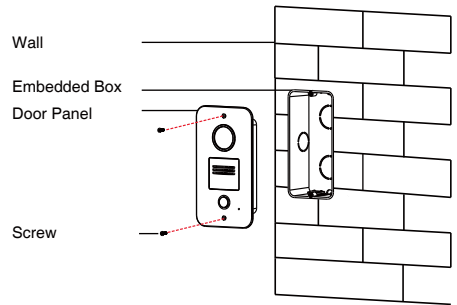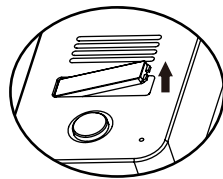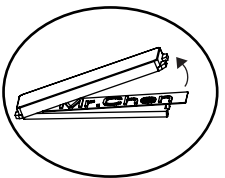System Parameters Outdoor Station1 Outdoor Station2
Indoor Station1 Indoor Station2

2. The indoor station shows the setting list page.
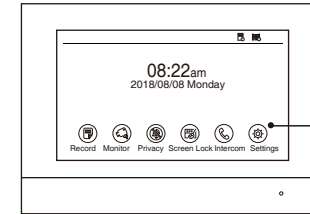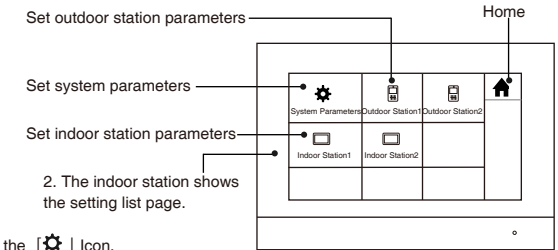
Note: If the outdoor stations or the indoor stations is not connected, the outdoor station settings icon and the indoor station settings icon will be missing.

4.2 Outdoor Station Parameter Settings

4.2.1 Parameter Setting List

Outdoor Station Settings
Name   Removal Alarm
Ring-back tone   Unlocking
Cards   IP Address
About
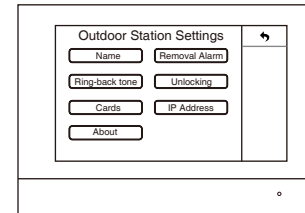
4.2.2 Outdoor Station Name

Outdoor Station Settings
Name   Removal Alarm
Input OS Name
Ring-back   Outdoor Station1   king
Cards   IP Address
About
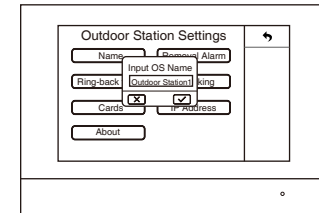
4.2.3 Removing Alarm Setting

Outdoor Station Settings
Name   Removal Alarm
Removal alarm   cking
Ring-back
Cards   IP Address
About
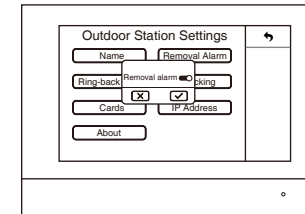
4.2.4 Ring-back Tone Setting

Sounds

Volume: 0% 25% 50% 75% 100%

4.2.5 Card Management

1/1 No.   Card No.   Time
1   01022238   2018-07-10 10:02-22
2   02013366   2018-07-10 10:02-22
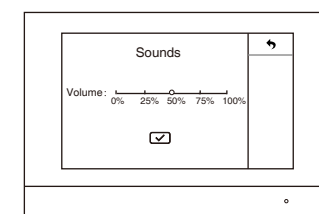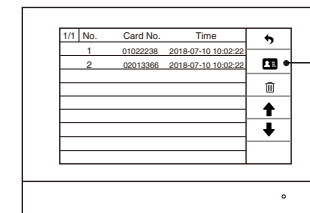
1. Press the 〔Registering Card〕 button to start.

2. The indoor station shows registration cards page.

3. User can swip all cards on the outdoor station.

4. The indoor station shows how many cards have been registered.

5. User can press the call button to finish registration.

1/1 No.   Card No.   Time
1   1111-0001   2018-07-10 10:02-22
2   02-22
3   Registering Cards:01   02-22
Finish
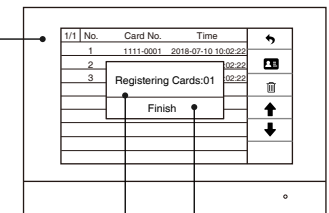
6. User also can press the finish button to finish registration.

4.2.6 Unlocking Setting

```
              Unlocking          ↰
Lock1 Delay Time(s)    5
Lock2 Delay Time(s)    20
    ☑ Lock1 door sensor
    ○ Door open delay alarm
    ○ Lock2 door sensor
    ○ Door open delay alarm
              ☑
```

4.2.7 IP Setting

```
              Manual Setting      ↰
    IP Address     _____
    Subnet Mask    _____
    Router         _____
    DNS            _____
              ☑
```

Note:
The router address of the outdoor station should be filled in with the IP address of the main indoor station.

5. Description of the System Functions

5.1 Call,Intercom and Leave Message

2. The indoor station shows the ring page.

1. The visitor pushes the call button.

- Answer
- Hang up
- Open the door 1
- Open the door 2
- Switch the IPC video
- More

Note:

If the equipment with a TF card, video will be recorded automatically when the bell rings. Otherwise, take a photo snap.

In intercom, you can press 「🔲」 or 「田」 to open the corresponding door.

In intercom,you can press 「⇆」 to switch the monitor video,then you can view other monitoring video.

In intercom, press the 「ᴧ」 to expand other function buttons.

For leave message,the visitor can press the call button to leave a message after hearing message notice and press the call button to end talking after leaving a message.
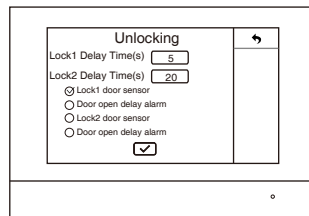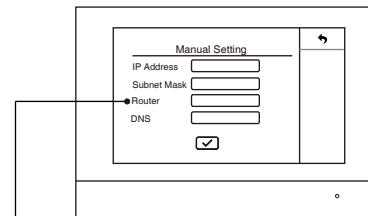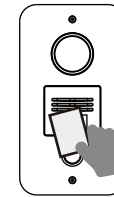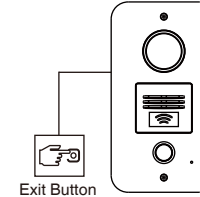
5.2 Monitor

```
              [icons]
         08:22am
      2018/08/08 Monday

  Record Monitor Privacy Screen Lock Intercom Settings
```

1. User press the Monitor icon.

2. The indoor station shows the monitor list.

```
              Monitor List        🏠  ⬆
  [📇]        [📇]        [◎]
Outdoor Station1 Outdoor Station2  IPC1

  [◎]        [◎]        [◎]      ⬇
  IPC2        IPC3        IPC4
```

3. User press the Outdoor Station icon or IPC icon to monitor the video.

4. The indoor station shows the monitor page.

- Return
- Call
- Open the door 1
- Open the door 2
- Switch the IPC video
- More

Note:

In the monitoring state, press the 「📞」 to initiate a call to the outdoor station,so that you can talk to someone outside the door.

5.3 Unlock by Card

User can open the outdoor station's Lock1 by the registered card.
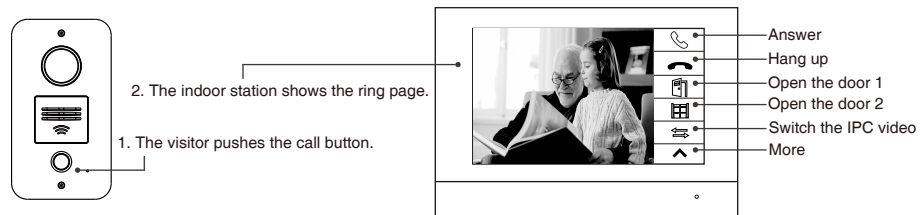For the card registration, see the description(4.2.5) in the parameter settings section.

5.4 Unlock by Exit Button

Exit Button

User can open the outdoor station's Lock1 by press the Exit Button.

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.

The statements should be displayed in the user manual:
changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Part Name	Toxic and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent nobelium(Cr6 +)	Polybrominated biphenyl (PBB)	Polybrominated diphenylether (PBDE)
Metal Part	O	O	O	O	O	O
Plastic Part	O	O	O	O	O	O
CRT display screen	X	O	O	O	O	O
LCD screen	O	O	O	O	O	O
Circuit board component*	X	O	O	O	O	O
Power/ cord/cable	X	O	O	O	O	O
Power/ adapter	X	O	O	O	O	O
Packaging	O	O	O	O	O	O

*: Circuit board components include a printed circuit board and its components, such as resistors, capacitors, integrated circuits, etc.;

O: It indicates that the contents of the hazardous substanse in all homogeneous materials of the part are below the limit requirement specified in IEC62321;

X: It indicates that the contents of the hazardous substanse in at least one of the homogeneous materials of the part exceed the limit requirement specified in IEC62321;

Technical specifications and contents are subject to change without notice.

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