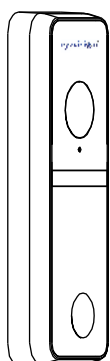# eyevision ®

INNOVATIVE INTERCOM SYSTEMS
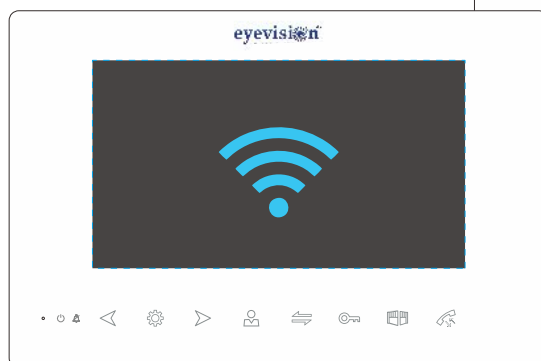
Intelli Series Smart Intercom
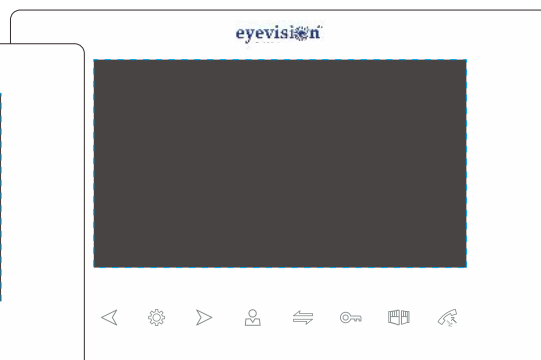
Third Generation 4 Wire Intercom

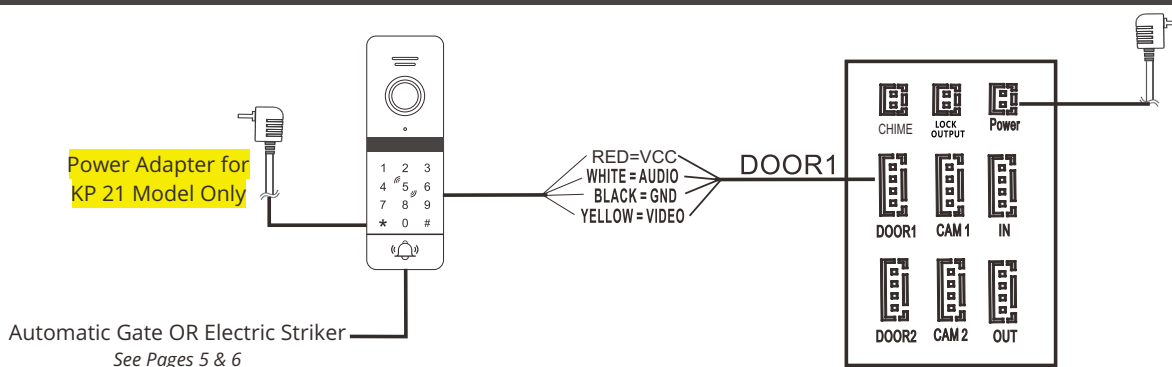**DS 21**   **KP 21**   **WF 7**   **INT 7**

tuya

Table of Contents

Precautions

- Due to our constant developments, your purchased model functions may vary slightly to the instruction manual provided.
- We always endeavor to try to update our manuals regularly in accordance with the level of new development.
- Connect this unit ONLY to other compatible units specified within this manual,
- Connecting anything else to this unit may damage it or prevent it from operating correctly.
- Do not place the power cords from the AC/DC adapters, camera or monitor where they can be pinched or cut.
- Keep cords away from children's, pets and routine household traffic.
- Do not place heavy objects on power cords or cover cords with rugs or carpet.
- When the system is not in use, please unplug the AC/DC adapters from the wall outlet.
- Slots or openings in the back of the monitor are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect it from overheating.
- These openings must not be blocked or covered.
- The monitor should never be placed near a heater and should not be placed in a built in installation such as a bookcase unless proper ventilation is provided.
- All parts of the system should be protected from shocks and vibrations.
- For cleaning the Lens & Screen please do the cleaning with a soft cotton cloth, do not use organic or chemical impregnate cloths. If necessary please use a damp soft cloth to clean dust.
- Image distortion may occur if the video door phone is mounted too close to magnetic field e. g. Microwaves, TV, computer etc.
- Please keep the indoor monitor away from wet areas, high temperature, dust, caustic and oxidation gas in order to avoid any unpredictable damage.

Quick Reference Diagram for Simple Installations

Power Adapter for KP 21 Model Only

1 2 3
4 5 6
7 8 9
* 0 #

RED=VCC
WHITE = AUDIO
BLACK = GND
YELLOW = VIDEO

DOOR1

CHIME LOCK OUTPUT Power

DOOR1 CAM 1 IN

DOOR2 CAM 2 OUT

Automatic Gate OR Electric Striker
See Pages 5 & 6

Indoor Monitor Specifications

Resolution 7" (1024*600)

Power Consumption Maximum 500mA

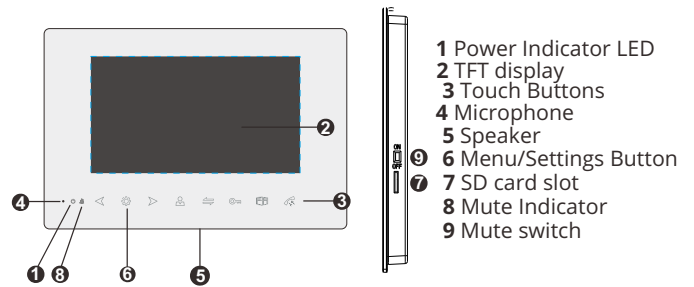**Power supply** External power supply DC 12-15V

Operating Temp 0~+50℃

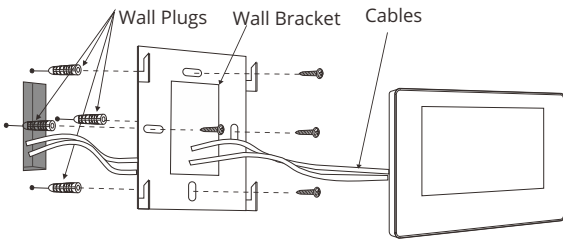**SD Card Requirment** 2GB~32GB Class 10 micro SD Read/Write 10MB/S Min.

Video Input Signal CVBS, CVI, TVI, AHD2.0

**System Capacity** 6 indoor monitors + 2 outdoor stations + 2 cameras (1MP MAX.)

Indoor Monitor Overview

1 Power Indicator LED
2 TFT display
3 Touch Buttons
4 Microphone
5 Speaker
6 Menu/Settings Button
7 SD card slot
8 Mute Indicator
9 Mute switch

Indoor Monitor Installation

Wall Plugs   Wall Bracket   Cables

- Avoid installation near magnetic fields such as AC motors or Lifts
- Avoid facing the camera to direct sunlight
- Install the camera lense equal with average height eye level
- Always ensure power is off when connecting and disconnecting
- Ensure that the AC power supply is at least 30cm from the unit to avoid interference.

150-160cm
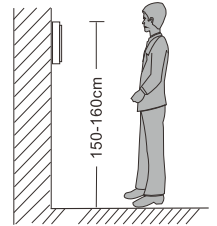
Outdoor Unit Specifications

Camera Sensor 1/3" CMOS Camera

Viewing Angle 120°

Definition 1.3MP

Night Viewing IR LED
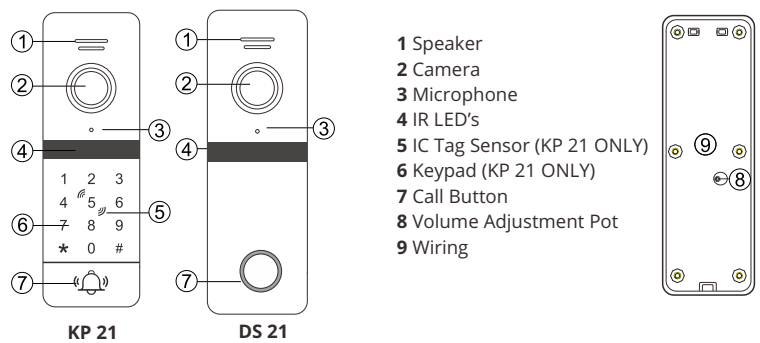
Operating Temperature -0°C to +50°C

Operating Voltage 12-15V DC
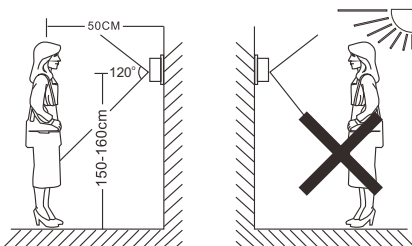
Operating Current 30mA Standby 70mA Operational

Card Type IC Card (KP 21 Only)

IP Rating IP65

Outdoor Unit Overview

KP 21   **DS 21**

1 Speaker
2 Camera
3 Microphone
4 IR LED's
5 IC Tag Sensor (KP 21 ONLY)
6 Keypad (KP 21 ONLY)
7 Call Button
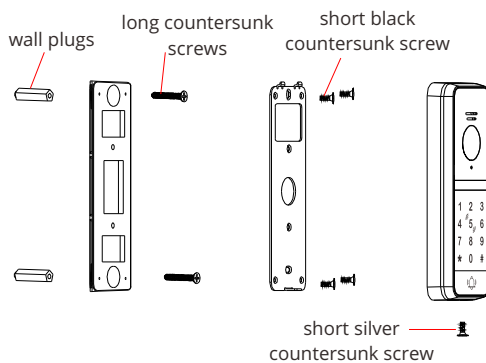8 Volume Adjustment Pot
9 Wiring

Outdoor Unit Installation

50CM
120°
150-160cm

- Avoid installation near magnetic fields such as AC motors or Lifts
- Avoid facing the camera to direct sunlight
- Install the camera lense equal with average height eye level where possible
- Always ensure power is off when connecting and disconnecting
- Ensure that the AC power supply is at least 30cm from the unit to avoid interference.

Outdoor Unit Installation with angle bracket

wall plugs   long countersunk screws   short black countersunk screw

short silver countersunk screw

Outdoor Unit Installation without angle bracket

wall plugs   long countersunk screws

short silver countersunk screw
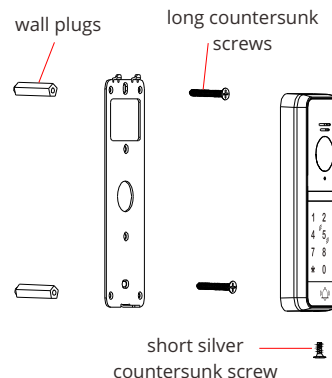
Cabling

4C ordinary unshielded wire and shielded wiring

≤50m（4∗0.2mm²）
≤80m（4∗0.5mm²）

DC12V
AUDIO
GND
VIDEO

DC12V
AUDIO
GND
VIDEO

3C ordinary unshielded + video cable(RG-59) connection method

≤100 meters

DC12V
AUDIO
GND
VIDEO

DC12V
AUDIO
GND
VIDEO
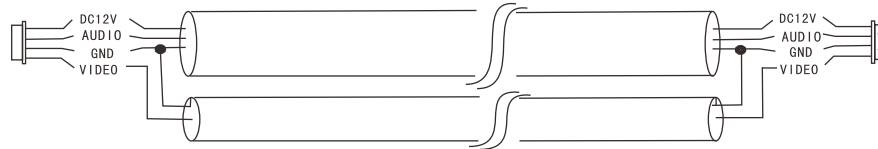
CAT5/CAT6 network cable connection (not recommended)

≤50 meters

DC12V
AUDIO
GND
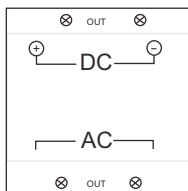VIDEO

DC12V
AUDIO
GND
VIDEO

Power Adapter Limitations

Indoor Monitor & Outdoor Unit 15V 1A Power Adapter

* Max extendable distance is 3m
* Recommended cable to extend length is 14/020 pair
* Only one unit per power supply

⊗ OUT ⊗
⊕ ─DC─ ⊖
─ AC ─
⊗ OUT ⊗

15V DC 1.5A Power Supply
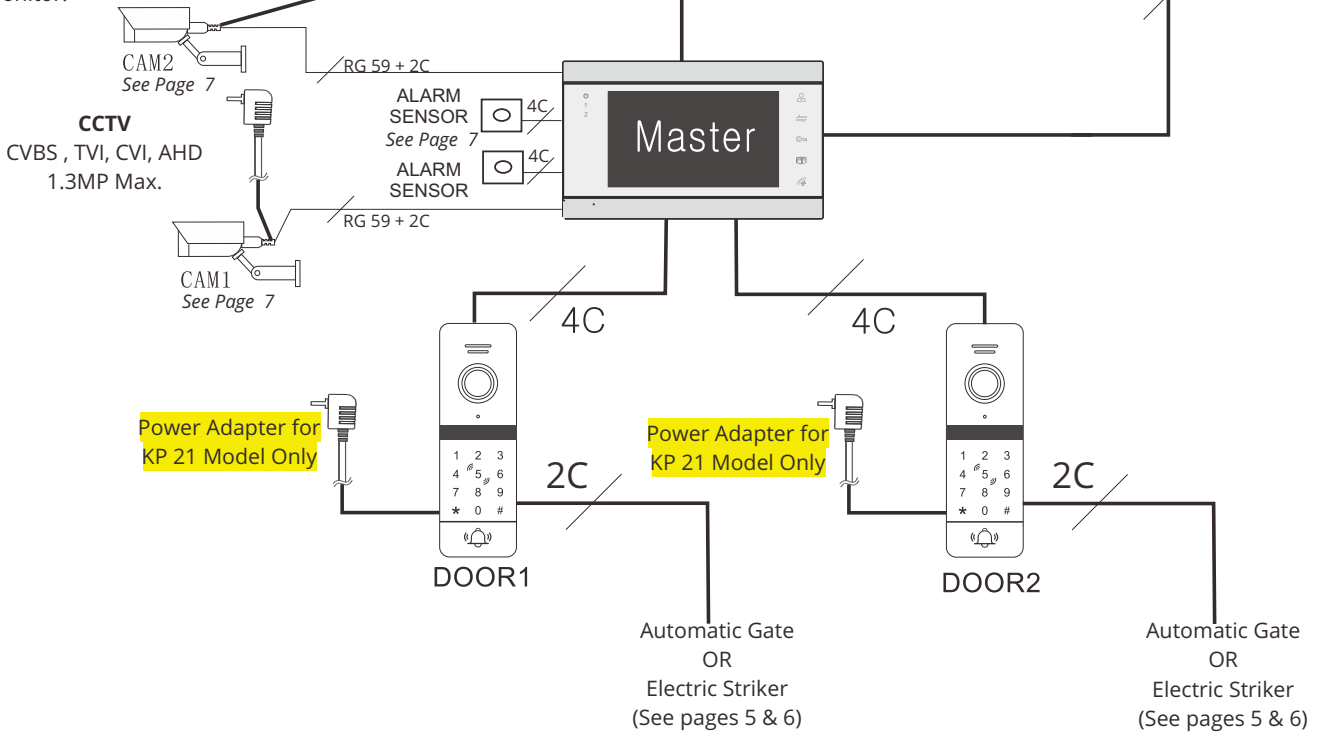
* Max distance is 5m
* Recommended cable to is 14/020 pair or greater
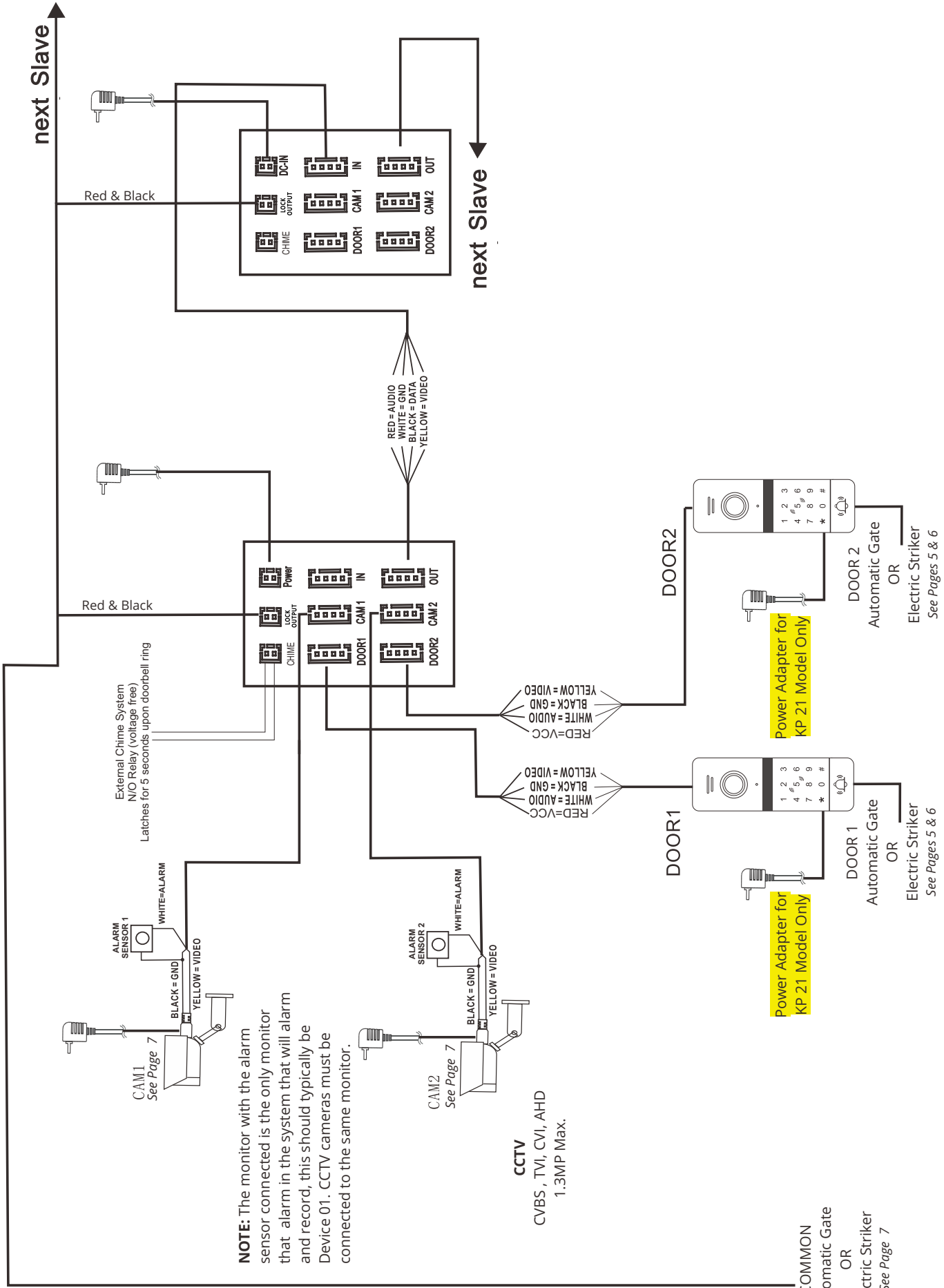* Max one unit per power supply

Through the settings menu each monitor MUST be set with an ID number. The **DEVICE ID** Setting can be found in the monitors **MODE** menu.

First Monitor (Master) is addressed **01**
Second Monitor (Slave 1) is addressed **02**
Third Monitor (Slave 2) is addressed **03**
Fourth Monitor (Slave 3) is addressed **04**
Fifth Monitor (Slave 4) is addressed **05**
Sixth Monitor (Slave 5) is addressed **06**

Slave

Slave

Slave

Slave

Slave

4C

4C

4C

4C

4C

2C

2C

2C

2C

2C

2C

COMMON
Automatic Gate
OR
Electric Striker
(See page 7)

NOTE: The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

CAM2
See Page 7

CCTV
CVBS , TVI, CVI, AHD
1.3MP Max.

RG 59 + 2C

ALARM
SENSOR
See Page 7

4C

ALARM
SENSOR

4C

Master

RG 59 + 2C

CAM1
See Page 7

Power Adapter for KP 21 Model Only

Power Adapter for KP 21 Model Only

4C

4C

2C

2C

DOOR1

DOOR2

Automatic Gate
OR
Electric Striker
(See pages 5 & 6)

Automatic Gate
OR
Electric Striker
(See pages 5 & 6)

next Slave

next Slave

Red & Black

DC-IN
IN
OUT
LOCK OUTPUT
CAM 1
CAM 2
CHIME
DOOR1
DOOR2

RED = AUDIO
WHITE = GND
BLACK = DATA
YELLOW = VIDEO

Red & Black

Power
IN
OUT
LOCK OUTPUT
CAM 1
CAM 2
CHIME
DOOR1
DOOR2

External Chime System
N/O Relay (voltage free)
Latches for 5 seconds upon doorbell ring

YELLOW = VIDEO
BLACK = GND
WHITE = AUDIO
RED=VCC

YELLOW = VIDEO
BLACK = GND
WHITE = AUDIO
RED=VCC

DOOR2

DOOR1

Power Adapter for KP 21 Model Only

Power Adapter for KP 21 Model Only

DOOR 2
Automatic Gate
OR
Electric Striker
See Pages 5 & 6

DOOR 1
Automatic Gate
OR
Electric Striker
See Pages 5 & 6

WHITE=ALARM

WHITE=ALARM

ALARM SENSOR 1

ALARM SENSOR 2

BLACK = GND
YELLOW = VIDEO

BLACK = GND
YELLOW = VIDEO

CAM1
See Page 7

CAM2
See Page 7

CCTV
CVBS, TVI, CVI, AHD
1.3MP Max.

NOTE: The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

COMMON
Automatic Gate
OR
Electric Striker
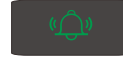*See Page 7*

KP 21 Outdoor Station

Wiring Overview

Intercom Line to indoor monitor
- **Red** (Intercom Switching Power Line to Indoor Monitor)
- **White** (Intercom Audio Line to Indoor Monitor)
- **Black** (Intercom Ground Line to Indoor Monitor)
- **Yellow** (Intercom Video Line to Indoor Monitor)

Unlock Relay
- **Green** (Normally Open Circuit)
- **Orange** (Relay Common)
- **Brown** (Normally Closed Circuit)

Exit Button
- **Blue** (Exit Button Normally Open Connection)

Power Adapter
- **Grey** (Power Adapter Negative)
- **Purple** (Power Adapter Positive)

Door Station LED

White LED
Standby (Without Motion Detection)

Green LED
Unlocking Outdoor Station Electric Striker or Automatic Gate

RED LED
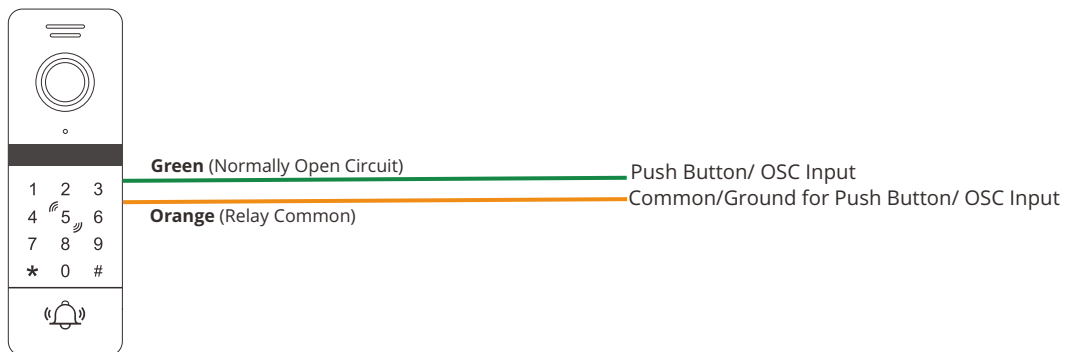Standby (With Motion Detection)
In a Video Monitoring/Communication State

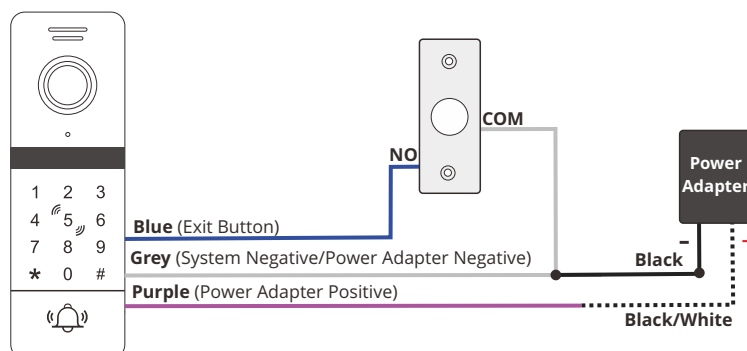### Fail Secure Electric Striker Connection (Power ON to Unlock)
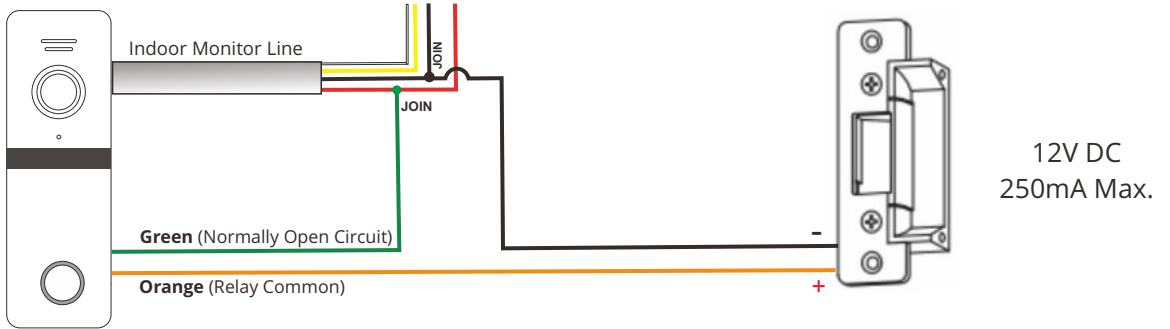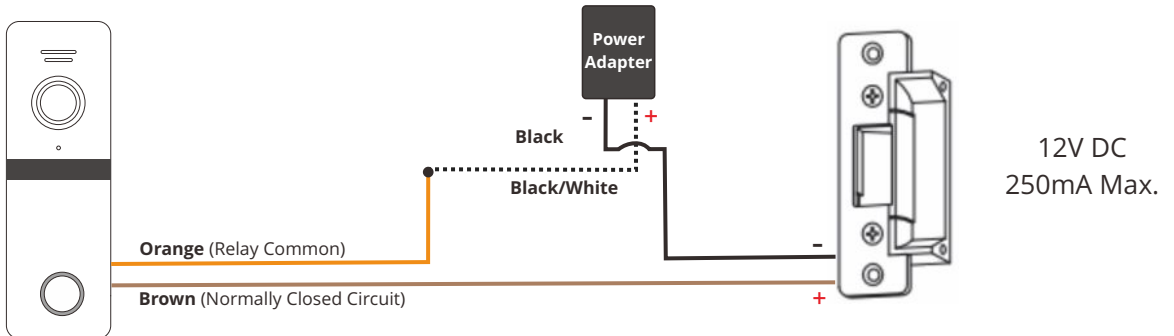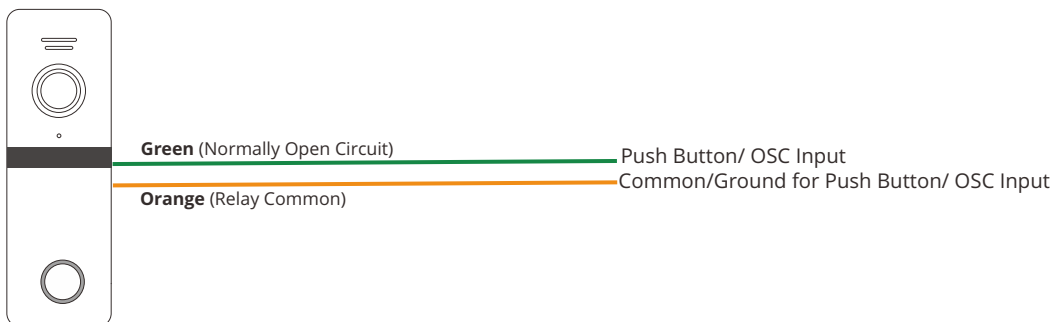
Power Adapter

Grey (Power Adapter Negative)   **Black**
Purple (Power Adapter Positive)
Black/White
JOIN
Green (Normally Open Circuit)
Orange (Relay Common)

12V DC
250mA Max.

Fail Safe Electric Striker Connection (Power OFF to Unlock)

Power Adapter

Grey (Power Adapter Negative)   **Black**
Purple (Power Adapter Positive)
Black/White
JOIN
Orange (Relay Common)
Brown (Normally Closed Circuit)

12V DC
250mA Max.

Automatic Gate Connection

Green (Normally Open Circuit) —— Push Button/ OSC Input
Orange (Relay Common) —— Common/Ground for Push Button/ OSC Input

Exit Button Connection

COM
NO
Blue (Exit Button)
Grey (System Negative/Power Adapter Negative)
Purple (Power Adapter Positive)

Power Adapter
Black
Black/White

**Power Option 1
(Power Adapter)**

Power Adapter for
KP 21 Model Only

(EV Monitor Back Side)

CHIME   LOCK OUTPUT   Power

RED = VCC

WHITE = AUDIO

BLACK = GND   DOOR1

YELLOW = VIDEO

DOOR1   CAM 1   IN

DOOR2   CAM 2   OUT

(Electric Lock)

**Power Option 2
(Power Supply Control)**

CONTROL -
CONTROL +
PUSH
GND
+12V
- COM
+ NC
+ NO

TIME

**POWER SUPPLY CONTROL
PS-L3S**

L
N

8
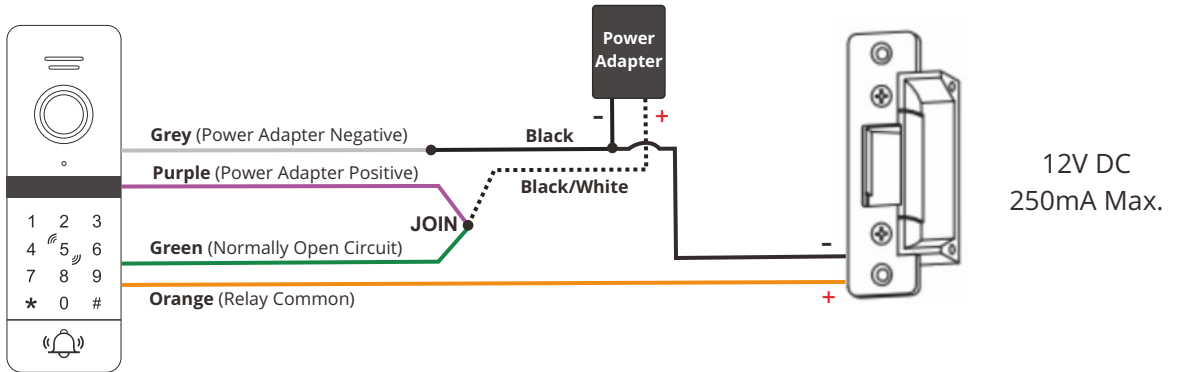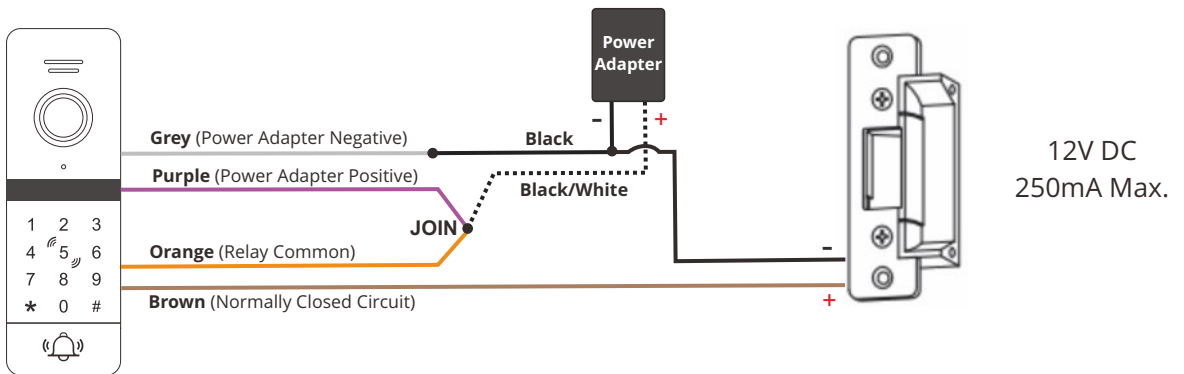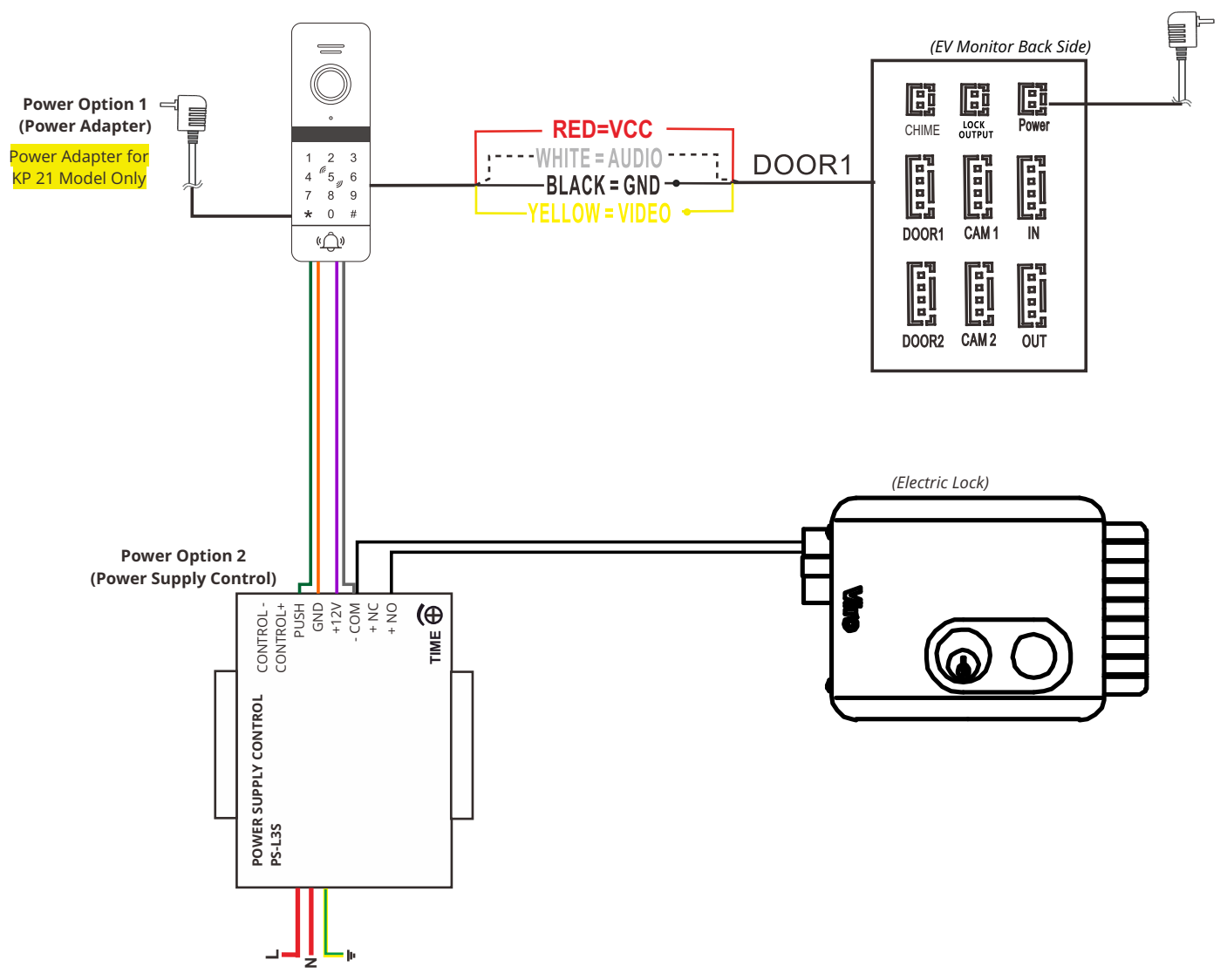
DS 21 Outdoor Station

Wiring Overview

Intercom Line to indoor monitor
- **Red** (Intercom Switching Power Line to Indoor Monitor)
- **White** (Intercom Audio Line to Indoor Monitor)
- **Black** (Intercom Ground Line to Indoor Monitor)
- **Yellow** (Intercom Video Line to Indoor Monitor)

Unlock Relay
- **Green** (Normally Open Circuit)
- **Orange** (Relay Common)
- **Brown** (Normally Closed Circuit)

DVR Mode
- **Blue** (VCAM+)
- **Grey** (GND)

Door Station LED

White LED
Standby (Without Motion Detection)

Green LED
Unlocking Outdoor Station Electric Striker or Automatic Gate

RED LED
Standby (With Motion Detection)
In a Video Monitoring/Communication State

Fail Secure Electric Striker Connection (Power ON to Unlock)

Indoor Monitor Line

JOIN

JOIN

Green (Normally Open Circuit)

Orange (Relay Common)

12V DC
250mA Max.

Fail Safe Electric Striker Connection (Power OFF to Unlock)

Power Adapter

Black

Black/White

Orange (Relay Common)

Brown (Normally Closed Circuit)

12V DC
250mA Max.

Automatic Gate Connection

Green (Normally Open Circuit) — Push Button/ OSC Input

Orange (Relay Common) — Common/Ground for Push Button/ OSC Input

Common Door Lock Output (From monitor only)

For Automatic Gates

To Automatic Gate

Next Monitor

TV-out LOCK OUTPUT DC-IN
DOOR1 CAM 1 IN
DOOR2 CAM 2 OUT

TV-out LOCK OUTPUT DC-IN
DOOR1 CAM 1 IN
DOOR2 CAM 2 OUT

For Electric Strikers

Next Monitor

CONTROL -
CONTROL+
PUSH
GND
+12V
- COM
+ NC
+ NO
TIME

POWER SUPPLY CONTROL
MODEL: K80

TV-out LOCK OUTPUT DC-IN
DOOR1 CAM 1 IN
DOOR2 CAM 2 OUT

TV-out LOCK OUTPUT DC-IN
DOOR1 CAM 1 IN
DOOR2 CAM 2 OUT

CCTV Wiring

Option 1

BLACK=VIDEO GND
YELLOW = VIDEO
CAM 1
CAM 2

CCTV camera draws greater than 200mA or is not 12V DC compatible or Distance is too great and needs localised 12V DC.

Option 2

RED=12V POSITIVE
BLACK= VIDEO GND & NEGATIVE
YELLOW = VIDEO
CAM 1
CAM 2

CCTV camera draws less than 250mA at 12V DC.

Acceptable cameras to connect into the system are **CVBS, CVI, TVI** and **AHD with a max. of 1.3MP.**

If the camera does not show on the CAM1/CAM2 input the system may need a reboot to re-detect the camera technology in use. This can be found by Main Menu > System > System Info.

If it still does not show there is a wiring error or a camera fault.

Alarm Sensor Wiring

RED=12V POSITIVE
BLACK= Sensor Common & NEGATIVE
WHITE= Sensor NO/NC
CAM 1
CAM 2
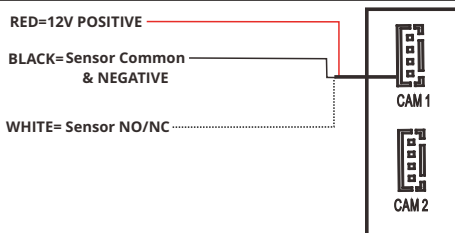
- Required if motion detection setting will be enable for the CCTV camera or its ALARM feature.
- Supports Normally Open/Normally Closed Sensors, configurable from the ALARM menu.
- If the sensor requires power from the intercom the maximum draw is 50mA in working state on 12V DC.
- **NOTE:** The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

DVR Mode for DS 21

RED=VCC
WHITE = AUDIO
BLACK = GND
YELLOW = VIDEO
To Indoor Monitor

GREY = GND
BLUE = +V CAM +

To a vacant camera port
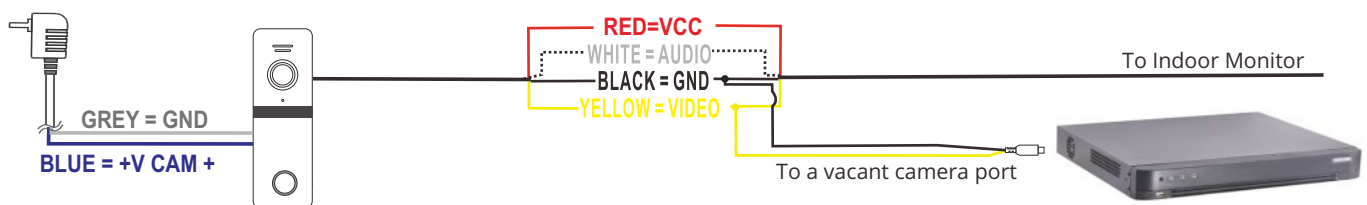
Note: When using DVR mode you must now use a power adapter to power the outdoor station constantly

DVR Mode for KP 21

SWIPE ADD TAG — Swipe the add tag
SWIPE ADD TAG — Swipe the add tag a second time
SWIPE ADD TAG — Swipe the add tag a third time

SWIPE DELETE TAG — Swipe the Delete tag to turn on the DVR output
SWIPE DELETE TAG — Swipe the Delete tag again to turn off the DVR output

SWIPE ADD TAG — Swipe the add tag to complete programming

GREY = GND
PURPLE = +12V

RED=VCC
WHITE = AUDIO
BLACK = GND
YELLOW = VIDEO
To Indoor Monitor

To a vacant camera port

Note:
1. You would need two additional tags to be allocated as add and delete tags to allow for this programming method.
2. Add and Delete tags must be programmed first before beginning this process.
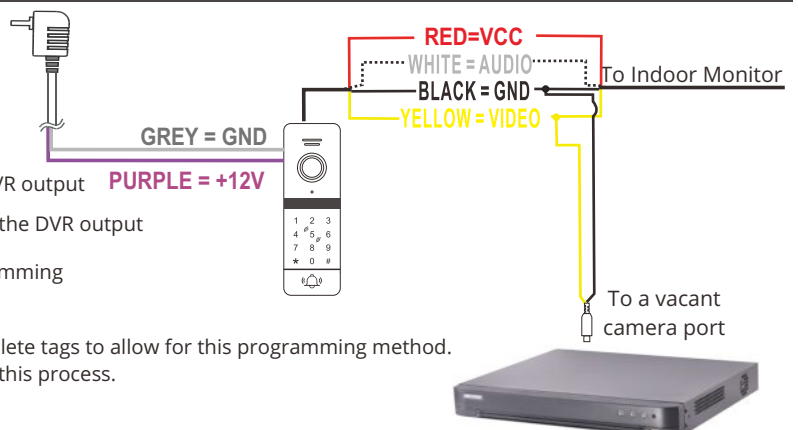
Entering and Exiting Admin

✱ 9 9 9 9 9 9 #	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
✱ ✱ #	Press *, * then # to exit

Buzzer Alerts

Bi! Bi!	Successful Command
Bi! Bi! Bi!	Returned one step in Menu
Bi! Bi! Bi! Bi!	Failed Command

Changing the Admin PIN

✱ 9 9 9 9 9 9 #	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
0	Type 0 to enter the PIN programming menu
7 7 #	Type 77# to enter the admin PIN menu
6 6 6 6 6 6 #	Type the new PIN and press # (6 Digits)
6 6 6 6 6 6 #	Repeat the new PIN and press #
✱ ✱ #	Press *, * then # to exit

Changing the Common Unlock PIN

✱ 9 9 9 9 9 9 #	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
0	Type 0 to enter the PIN programming menu
1 1 #	Type 11# to enter the common PIN menu
1 1 1 1 1 1 #	Type the new PIN and press # (4 or 6 Digits)
1 1 1 1 1 1 #	Repeat the new PIN and press #
✱ ✱ #	Press *, * then # to exit

Adding a User Tag

✱ 9 9 9 9 9 9 #	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
1	Type 1 to enter the Tag programming menu
0 0 1 #	Type in a user position between 001 and 200
SWIPE #	Swipe the tag
✱ ✱ #	Press *, * then # to exit

Providing a User with a Tag (or changing) there PIN number

✱ SWIPE	Type * then swipe an already working tag
0 0 0 0 #	Type the current PIN (The default which cannot unlock is 0000)
4 4 4 4 #	Type the new PIN and press # (4 Digits)
4 4 4 4 #	Repeat the new password and press #

Adding User Tags using the Admin Add Tag

SWIPE ADD TAG	Swipe the add tag
SWIPE ADD TAG	Swipe the add tag a second time
SWIPE ADD TAG	Swipe the add tag a third time
SWIPE NEW USER TAG	Swipe the new users tag, you can swipe through multiple one after the other
SWIPE ADD TAG	Swipe the add tag to complete programming

Note: Adding tags using this method does not give each tag a USER ID number, this means the tags can only be deleted by a complete clear of all user tags OR the tag being available and present for deleting.

Adding Administrator ADD/DELETE tags

✱ 9 9 9 9 9 9 #	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
6 #	Type 6#
SWIPE ADD TAG	Swipe the tag to be nominated as the add tag
SWIPE DELETE TAG	Swipe the tag to be nominated as the delete tag
✱ ✱ #	Press *, * then # to exit

Setting the Unlock Time for PIN number and Tag Users

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
4	Type 4 to enter the unlock time setting menu
05#	Type the amount of seconds (00-99) then press #
⚹⚹#	Press *, * then # to exit

Note for the monitor its unlocking time can be set via the monitor itself

Changing the Access Control Method

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
3	Type 3 to enter the Access Control Setup Method
XX#	Type the setting number and press #
⚹⚹#	Press *, * then # to exit

00#	Only unlocking by Tag
01#	Unlocking by PIN or Tag (Default)
02#	Unlocking by Tag first followed by PIN

Changing the Security Settings

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
5	Type 5 to enter the Security Settings
XX#	Type the setting number and press #
⚹⚹#	Press *, * then # to exit

00#	No Security (Default)
01#	Swiping non-registered card or 10 incorrect PINS within a 5 minute period results in 2 minute shut down of the unlocking system from the outdoor station along with a doorbell call to the monitor.
02#	Swiping non-registered card or 10 incorrect PINS within a 5 minute period results in an alarm output from the buzzer for 1 minute along with a doorbell call to the monitor.

Deleting a User by there ID number

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
2	Type 2 to enter into deleting state
001#	Type in the used user ID to be deleted between 001 and 200
⚹⚹#	Press *, * then # to exit

Deleting a User by using there tag

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
2	Type 2 to enter into deleting state
SWIPE #	Swipe the tag
⚹⚹#	Press *, * then # to exit

Deleting User Tags using the Admin Delete Tag

SWIPE DELETE TAG	Swipe the delete tag
SWIPE DELETE TAG	Swipe the delete tag a second time
SWIPE DELETE TAG	Swipe the delete tag a third time
SWIPE USER TAG	Swipe the users tag you wish to delete, you can swipe through multiple one after the other
SWIPE DELETE TAG	Swipe the delete tag to complete programming

Deleting ALL User Tags

⚹999999#	Default PIN is 999999, if the PIN has been changed in the past then use the current PIN
2	Type 2 to enter into deleting state
SWIPE USER TAG #	Swipe any programmed tag
88#	Type in a 88#
⚹⚹#	Press *, * then # to exit

Note This will not reset the common PIN.

Reset Process (with admin PIN)

This process will reset back to default parameters as listed below

- Admin PIN to 999999
- Public unlock PIN to 123456
- Unlock time to 2 seconds
- Security mode to No Security

⊠9⃣9⃣9⃣9⃣9⃣9⃣#⃤   Default PIN is 999999, if the PIN has been changed in the past then use the current PIN

0⃤   Type 0 to enter the menu
9⃣9⃣#⃤   Type 99# to perform the reset
⊠⊠#⃤   Press *, * then # to exit

Reset Process (without admin PIN)

This process will reset back to default parameters as listed below

- Admin PIN to 999999
- Public unlock PIN to 123456
- Unlock time to 2 seconds
- Security mode to No Security

1. Outdoor station power should be OFF

2. Temporarily connect the **BLUE** Exit Button Wire to the **GREY** power supply Negative for the system
alternatively if an Exit Button is installed an assistant could hold the button down until the below steps are complete

3. Turn the outdoor station power adapter to ON

4. A Bi Bi Bi sound will be heard from the keypad to indicate reset complete

5. Disconnect blue wire or have the assistant release the exit button exit button.

Touch Button Overview

Transfer/ intercom	⇌	Call transfer/Internal intercom/Color Contrast 1. Standby mode long press the button start internal intercom 2. During monitor and door station on conversation long press the button transfer call to slave monitor. 3. During conversation or monitoring, short press the button start Colour Contrast.
Monitoring	👤	Monitor Door 1/Cam 1/Door 2/Cam 2
Answer/ Hang up	📞	1. Start conversation with door station 2. Monitor monitoring door station, press the button start conversation with door station 3. During conversation, press the button hang up 4. During make menu setting, press the button exit
Unlock	🔑	Unlock the COMMON door striker/gate by press this button
Gate Unlock	🏬	Unlock the door striker/gate related to the outdoor station
Setting	⚙	Confirm/Enter into main menu 1. Standby mode press the button to enter main menu 2. Setting parameter press button confirm 3. During talking/monitoring mode, press button start recording/snapshot/stop recording 4. Playing music/video/picture mode, press the button pause/play 5. Playing music/video, long press the button adjust volume
"+"	▷	Up
"-"	◁	Down
Mute	🔇	Indicates the intercom is muted from the switch on the side of monitor

Visitor Calls

When a visitor presses the doorbell the indoor monitor(s) will ring for a total of 30 seconds before returning to standby. At anytime during the ringing time a user can answer from any of the monitors by pressing the 🎧 button. At this point there is hands free communication in both directions.

If required he user can press ⊞⊟ to operate the gate connected to the outdoor station that is in communication or can press 🔑 to operate the gate that is connected to the common release.

Call Transfers

In a Multi indoor monitor installation if the user answers on one of the indoor monitors but decides the call is for another user within the home or another room the call can be transferred by pressing ⇌ during the call then choosing the extension from the displayed list . 🔵🔵🔵🔵🔵🔵 they wish to transfer to by cycling using the ◁ ▷ keys and {⚙} to select.

Once a call is transferred the indoor monitor will return to standby and the target monitor will ring with the guest showing.

Intercom Call

Whilst in standby press and hold the ⇌ button until the intercom extensions list is displayed. 🔵🔵🔵🔵🔵🔵 Cycle using the ◁ ▷ keys and {⚙} to select the target monitor. Once the target indoor monitor presses 🎧 to answer there will be hands free audio communication between both points. Either party can end communication by pressing the 🎧 button

Monitoring

From Standby press the 👤 button to display DOOR 1, you can cycle to Cam 1 > Door 2 > Cam 2 by pressing 👤 consecutively.

If a Micro SD card is installed you can take a Video/Photo (depending on the setting in the "Mode" menu) by pressing {⚙} .

Note that by default Door 2, CAM 1 and CAM 2 are all enabled. Door 2 can be disabled from the "MODE" Menu and CAM 1/CAM2 can be disabled from the "Alarm" menu.

Standby

There are three different modes of standby that can be used, option 1 and 2 are activated by pressing {⚙}

Option 1: which is when the indoor monitor is in an idle state if you press {⚙} it will display only a message indicator if there are any messages. *See clock switch settings and DISABLE. It will timeout after TWO minutes.*

Option 2: which is when the indoor monitor is in an idle state if you press {⚙} it will display the time and date. *See clock switch settings and ENABLE It will timeout after TWO minutes.*

Option 3: Digital photo frame which is when the indoor monitor is in an idle state it will loop through stored photos on the SD card. *See Digital photo frame*

Note: When using digital photo frame mode motion detection will automatically be disabled.
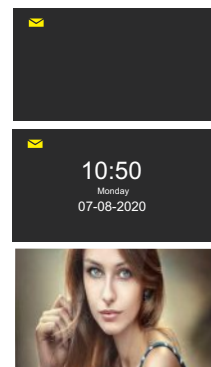
Enable/Disable Digital Photo Frame

From the menu choose navigate to "Photo Frame". From here you can ENABLE and DISABLE the feature along with set the interval of each photo anywhere from two seconds and up to 10 seconds.

Notes:
1. When using digital photo frame mode you will not have an indicator to let you know there is an unseen message.
2. For digital photo frame the photos must be 1920x1080 resolution.
3. Each photo cannot exceed 3MB.
4. For photo storage all photos must be places on the micro SD card in the folder structure USER\photo noting that the directory is case sensitive.

Realtime Monitoring Adjustments

In standby mode, press 👤 to monitor then press ⇌ to bring up adjustment mode.
Within you can adjust colour, brightness, contrast and saturation.
Select the option and press {⚙} button. Arrow Keys to increase or decrease its value.
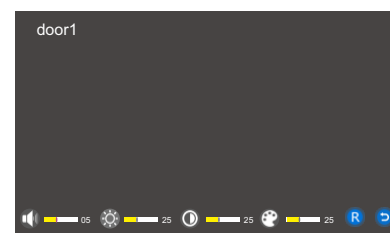Then press {⚙} button again to save the changes.

[Talking Volume]: Values adjustable from 0 to 5(Default: 5).

[Bright]: Values adjustable from 0 to 50. (Default: 25).

[Contrast]: Values adjustable from 0 to 50. (Default: 25).

[Saturation]: Values adjustable from 0 to 50. (Default: 25).

[Return]: Press 🎧 to return.

Setting Indoor Monitor Number (Device ID)

Navigate to "Mode" then from the Device ID setting you can cycle from 01 to 06. This number directly corelates to the call transfer and intercom function when selecting a target indoor monitor.
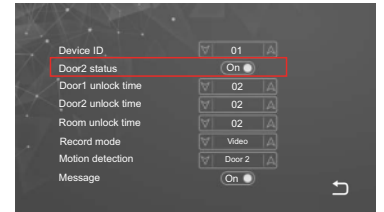
Notes
1. The first monitor in the intercom in the line should always be set to 01
2. No two monitors should share the same ID number to avoid conflicts
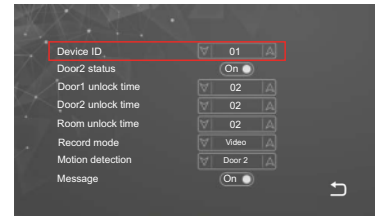
Enabling/Disabling a Second Outdoor Station

Navigate to "Mode" then scroll to Door 2 Status. To Enable a second outdoor station this setting should be turned ON for the FIRST monitor in the intercom line ONLY (Device ID 01).

Door 1 and Door 2 Unlock Time

Navigate to "Mode" then scroll to Door 1 or Door 2 Unlock time depending on which (or both) need to be set and adjust to the required time between 2 seconds and 10 seconds.

This is the respective unlocking time of each indoor monitor and should only be set on the FIRST monitor in the intercom line (Device ID 01).

Note: KP 21 Keypad models also need the unlock time set on the outdoor station itself (see keypad programming).
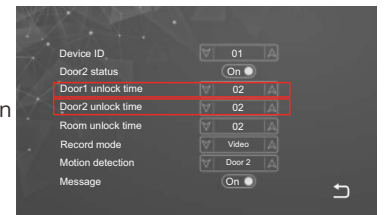
Room Unlock Time

Navigate to "Mode" then scroll to room unlock time. This is the time setting for the unlocking time of the common gate which is connected directly to the monitor.

Note that this is NOT the outdoor station unlock time.
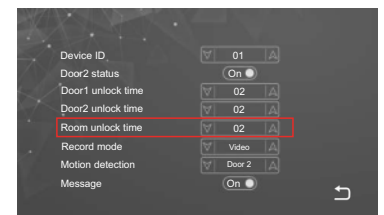
Record Mode

Navigate to "Mode" then scroll to record mode. This is to set the type of recording for the systems automatic *when a guest rings the door bell) and manual captures wether it be a video recording or a photo snapshot.

Note that a micro SD card must be installed to use this feature.
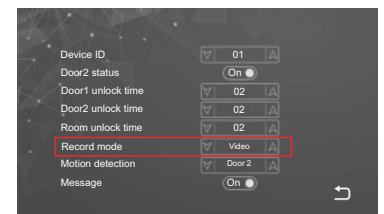
Motion Detection

Navigate to "Mode" then scroll to motion detection. Motion detection can be enabled for one specific camera of the two outdoor station inputs. When enabled it will automatically call up the video for the chosen motion detection camera and take a capture based on the record mode setting.

Note that for the outdoor station it is considered sensitive and good for enclosed front door areas which would not see any movement normally. It should not be enabled when it could see any movement normally from trees, pedestrians etc.
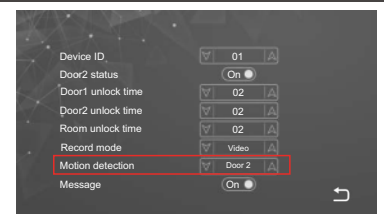
Message

Navigate to "Mode" then scroll to motion message. If enabling the message feature after no answer from any user on any indoor monitor and once the ringing duration times out (see volume menu) then the guest will be prompted with a message "no one is at home could you please leave a message"
Note that a micro SD card must be installed to use this feature.
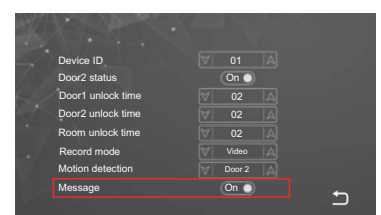
Language

Navigate to "System" then Language. You can choose from English, Hebrew, French, Spanish, Portugese, Russian, Turkish, Chinese, Polish, Arabic and German.
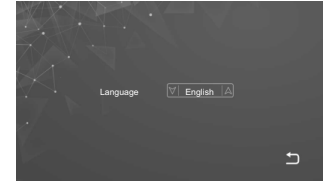
Time and Date

Navigate to "System" then Time.

Here you can set the date and time (in 24 Hr format). This is critical for any system recording as well as the clock display.

You can also ENABLE-DISABLE the Clock Switch Setting for the standby screen. Enabling Clock Switch will set the system standby to Clock Mode, Disabling will set the system Standby into Simple Mode.

Intercom Ring Volume & Enabling Ringtone outside

Navigate to "System" then volume. From this menu you can set the scheduled time for different ring volume levels (1-10) for Morning (Volume 1)/Afternoon(Volume 2)/Evening(Volume 3) and the duration of the ringing time.

Button Voice sets the audible feedback ON/OFF per touch button press on the indoor monitor..

Ringback Enables the ringtone to be audible at the outdoor station.
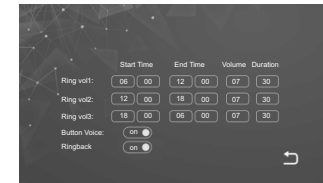
Ringtone

Navigate to "System" then ring tone. From this menu you can through the mode setting choose wether to use from one of the default ten ring tones or choose a custom ring tone.

Note: When choosing the mode it will be common to both outdoor stations. Meaning if default both will need to use a default ring tone if custom both will need to be a custom ring tone.

If using a custom ring tone the mp3 file(s) must be stored on the micro SD card in the folder structure USER\ring noting that the directory is case sensitive.

Each custom ring tone must be named ring_x.mp3 replacing the x with a numerical number in consecutive sequence. Example: The first is ring_1.mp3 and the second is ring_2.mp3.
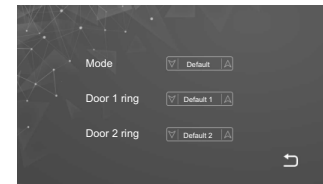
Information

Navigate to "System" then system info.

This screen will display Firmware and MCU version Mac address and ID number.

It will also display the micro SD card capacity, used space and allow formatting of the micro SD.
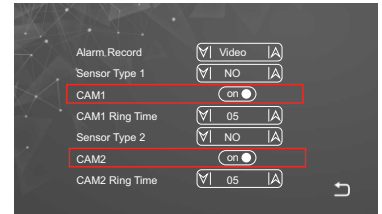
Furthermore GET ID can be used for an address ID Update/Change.

Reboot can be used to restart the monitor without disconnecting the power supply.

Enabling/Disabling Surveillance Cameras

Navigate to "Alarm" then CAM1/CAM2 you can set each individual camera to be ON/OFF.
This should only be set on the first monitor in the line (DEVICE 01).
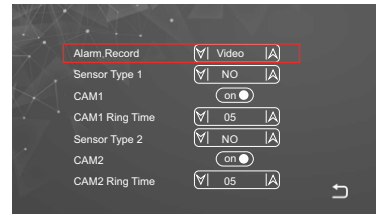
Alarm Record	Video
Sensor Type 1	NO
CAM1	on
CAM1 Ring Time	05
Sensor Type 2	NO
CAM2	on
CAM2 Ring Time	05

Alarm Record

Navigate to "Alarm" then from Alarm Record you can set the type of recording for the systems sensor based captures for the surveillance cameras wether it be a video recording or a photo snapshot.
Note:
1. A micro SD card must be installed to use this feature.
2. The recording time is 2 minutes.
NOTE: The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

Alarm Record	Video
Sensor Type 1	NO
CAM1	on
CAM1 Ring Time	05
Sensor Type 2	NO
CAM2	on
CAM2 Ring Time	05

Sensor Type

Navigate to "Alarm" then Sensor Type 1/Sensor Type 2 you can set the type of sensor that is being used for the detection of each camera. You can choose NO (normally Open), NC (Normally Closed) or OFF to Disable.
NOTE: The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

Alarm Record	Video
Sensor Type 1	NO
CAM1	on
CAM1 Ring Time	05
Sensor Type 2	NO
CAM2	on
CAM2 Ring Time	05
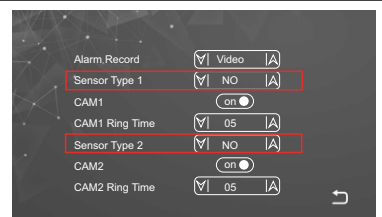
Alarm Ring Time

Navigate to "Alarm" then ring time, from there you can set the ringing time for the alert of each camera on the indoor monitor, this can be set from 5 seconds up to 20 seconds.
**NOTE:** The monitor with the alarm sensor connected is the only monitor that alarm in the system that will alarm and record, this should typically be Device 01. CCTV cameras must be connected to the same monitor.

Alarm Record	Video
Sensor Type 1	NO
CAM1	on
CAM1 Ring Time	05
Sensor Type 2	NO
CAM2	on
CAM2 Ring Time	05
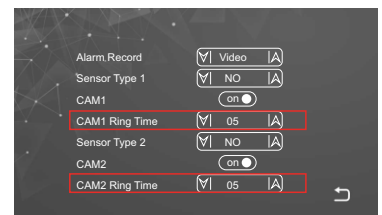
Media Menu

Navigate to "Media". You can choose from within this menu the type of file you wish to view wether it be Music for audio files, photo for images or file for general navigation along with firmware upgrade files.

Note: ALWAYS disconnect the power to the indoor monitor whenever inserting or removing the micro SD card.
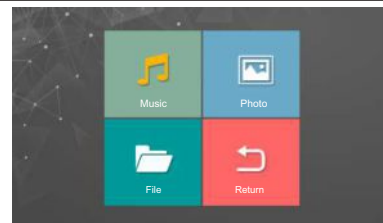
Music

Navigate to "Media" then "Music".

Using the ⇆ button music can be adjusted through the five different playing modes.

[Play In Sequence]: Play all songs from top to bottom of list. Stop playing after the last song is played.
[Single Play]: Stop automatically after playing the current song.
[Single Cycle]: Play the same song repeatedly without stopping.
[List Cycle]: Repeat all songs in sequence. Restart playback from the first song after finishing the last.
[Random Play]: Play all songs in random order without stopping.

For volume adjustment hold down the ⚙ until the volume appears on the screen, then use ◁ and ▷ to lower and raise the volume.
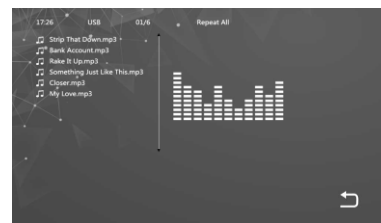
For mp3 music file placement on the micro SD card the folder structure should be USER/Music.

Photos

Navigate to "Media" then "Photo".

Using the ◁ and ▷ you can scroll up and down through the list to the file name then press the ⚙ to view the photo. Note that it will automatically move to the next photo after two seconds.

For .jpg photo file placement on the micro SD card the folder structure should be USER/Photo.

Note: ALWAYS disconnect the power to the indoor monitor whenever inserting or removing the micro SD card.
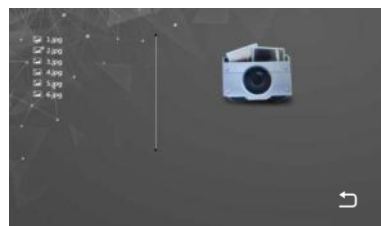
Maximum photo is 1920x1080 resolution and 3MB or less.

File Managment

Navigate to "Media" then "File Management".
[Delete file]: Press the Arrow keys to highlight a file to delete. Then press setting icon and hold until a pop-up window appears with the message "Delete File?" Use the Arrow keys to select "Yes" and press setting icon to delete file. Otherwise, press setting icon when "No" is selected to cancel.

[DCIM]: This DCIM folder is automatically created by the Monitor for saving files created for the Record Centre. It contains the "Photo" & "Video" folders. The "Photo" folder saves the automatic snapshots and manually captured photos. Similarly, the "Video" folder saves the automatic and manually recorded videos by the monitor.

[USER]: The USER directory contains the "Music, Photo, Ring, Update" folders. Note: These directory & names are case sensitive.
- "Music" folder stores the MP3 music files.
- "Photo" folder stores JPG pictures for the digital photo frame.
- "Ring" folder stores the custom ringtones.
- "Update" folder for upgrade files. USER folder stores "Music, Photo, Ring, Update" folders.

[Upgrade]: Put upgrade file (xxx.dd is the program file) in the Update folder, select upgrade file xxx.dd and press setting icon to pop up the window "Upgrade?" Select"Yes" and press setting icon to confirm upgrade and wait for the upgrade to succeed. "No" Press setting icon to close the window.

[MCU Upgrade]: Put MCU file (xxx.bin is the MCU file) in the update folder, select MCU file xxx.bin and press setting icon to pop up a window "Upgrade?" Select "Yes" and press setting icon to confirm to upgrade and wait for the upgrade to succeed. Select "No" Press setting icon to close the window.

Note: During system upgrading, do not remove SD card, power off, or disable indoor monitor. After the upgrade is complete, the device will restart.
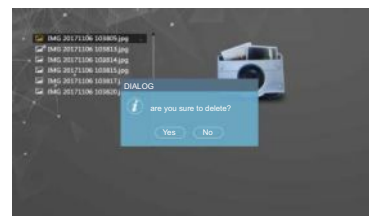
Media Menu

Navigate to "Record Centre". You can choose from within this menu the type of recording you wish to view wether it be Video or Picture (Photo).
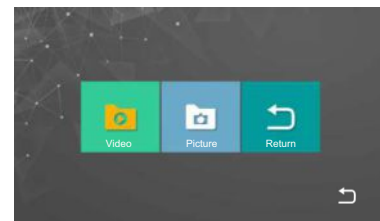
Video Recordings

Navigate to "Record Centre" then "Video". From within this menu you can scroll through the list of recorded videos using the ◁ and ▷ you can scroll up and down through the list to the file name then press the ⚙ to view the recording.

To delete this can be done through the Media > File menu.

Video Recordings

Navigate to "Record Centre" then "Picture". From within this menu you can scroll through the list of recorded photos using the ◁ and ▷ you can scroll up and down through the list to the file name then press the ⚙ to view the recording.

To delete this can be done through the Media > File menu.

APP Interface

① Hang up / Exit.

② Audio Status

③ Snapshot: During talking/monitoring mode, press the icon snapshot image(Android system smart phone save snapshot picture on App; IOS system smart phone save snapshot picture on mobile phone photo albums.

④ Mute

⑤ Unlock (Connected to outdoor station)

⑥ Switch camera image: During talking/monitoring, press the button view door1, door2, camera1, camera2.

⑦ Playback: Make sure monitor insert MicroSD card, and support playback calling/monitoring video record.

⑧ Photo albums: Android system smart phone save snapshot picture on App; IOS system smart phone save snapshot picture on mobile phone photo albums.

⑨ Common Unlock (Connected to the monitor)

⑩ Video record: During talking/monitoring, press the button start video recording.

Full screen: Press the button display full screen

Setting:
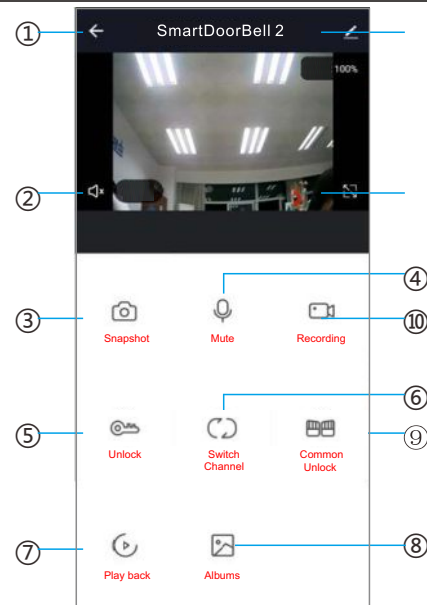
APP Configuration

APP Install and Registration (All Users)

1. Download Tuya Smart from the APP Store on your Android/Apple Device.
2. Open the App and register an account ensuring you select "Australia" as the country
3. Login after registration. NOTE: Each user must register there own account.

APP Preparation (Home Owners Device)

1. Go to "Me"

2. Go to "Home Management"

3. Select "My Home..."

4. Name the home

5. Set the Location

6. Deselect ALL the rooms except the one where the indoor monitor is installed.

7. Press Save

Monitor Preparation for Wi-Fi Connection

1. Select System

2. Select Network Setting

3. Select WiFi Set

4. Select AP mode then Deselect the monitor will restart and create a hotspot
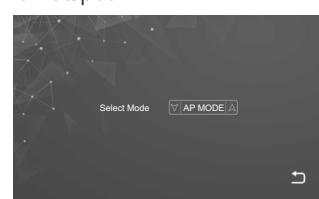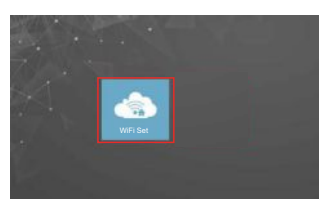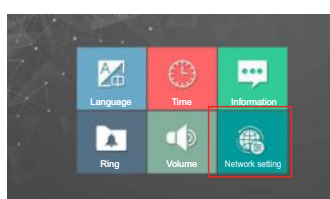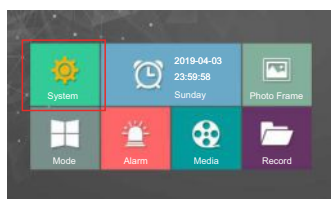
Steps continue on next page

20

Monitor to APP Connection (Home Owners Device)

ⓘ ENSURE you are connected to your home Wi-Fi 2.4GHZ network

If at anytime you are prompted to accept permission including location please accept

1. Ensure you are on the correct home then go to "Add Device"
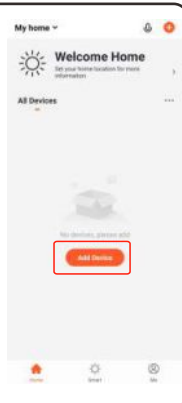
2. Select Video Surviellance then Smart Doorbell

3. From the top right change from QR CODE to AP MODE
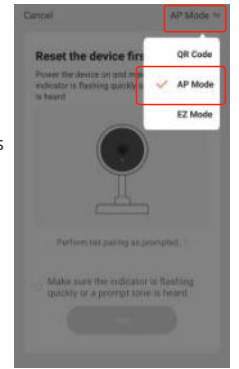
Then Check the prompt tone checkbox and press next.
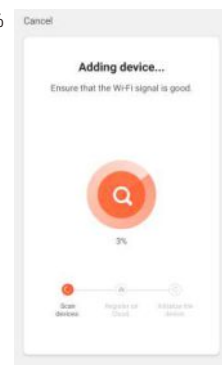
No tone or LED is expected with this system.

4. Select the home WiFi network (2.4GHZ) and input the password

5. Select go to Connect and choose the SmartLife-xxxxx hotspot created by the indoor monitor then press back

6. Once it reaches 100% it has been added successfully

7. Successfully Completed
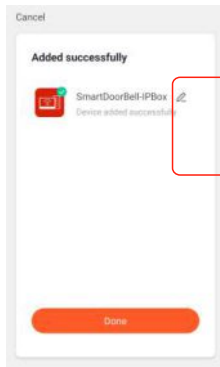
Touch the pen to edit the name

ⓘ
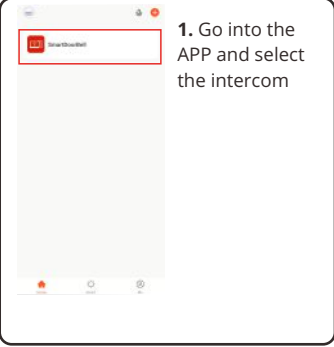
1. In a case where the phone tries to reconnect to SmarLife-xxx hotspot then from your Wi-Fi settings choose to forget this network.

2. After successfully completing the Tuya Smart App will provide further instructions to set the phone to always receive the notifications, these must be followed for reliable notifications.
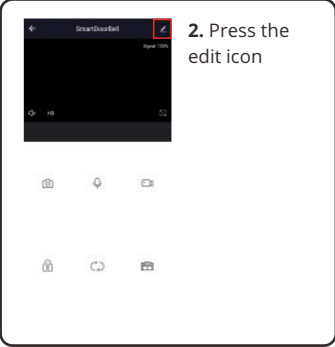
3. If you are receiving notification without audio try turning off your bluetooth as it may be sent to another device such as car audio, smart watch etc.

Sharing with another user (Low Privileges - No unlock feature)
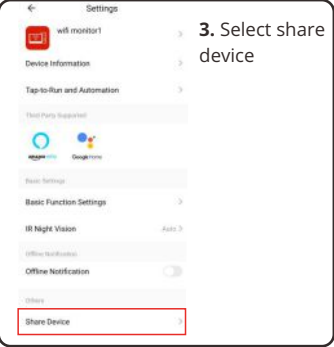
Note that the only way for the device to be removed from the users APP is for the user to delete it themselves, i.e no Admin Managment
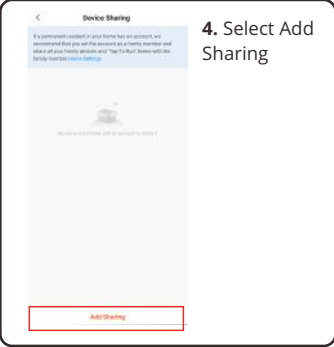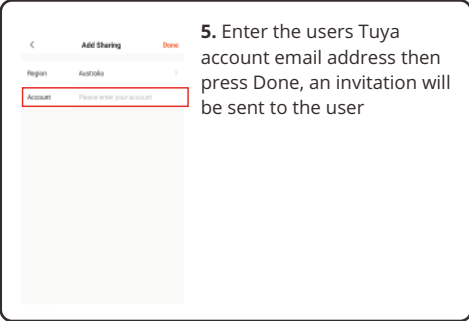
1. Go into the APP and select the intercom
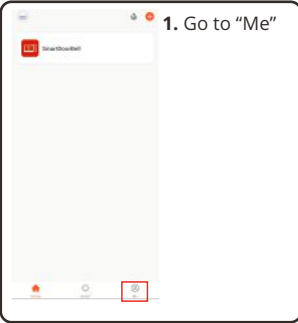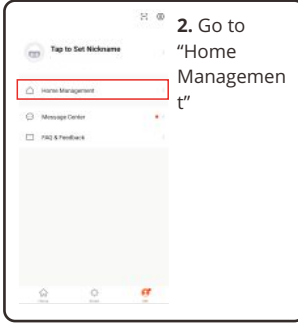
2. Press the edit icon

3. Select share device

4. Select Add Sharing

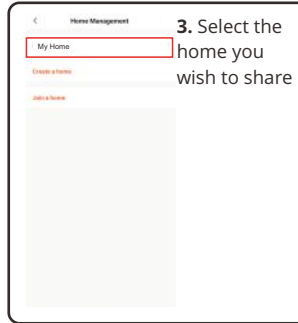**5.** Enter the users Tuya account email address then press Done, an invitation will be sent to the user

Sharing with another user (High Privileges - with unlock feature)
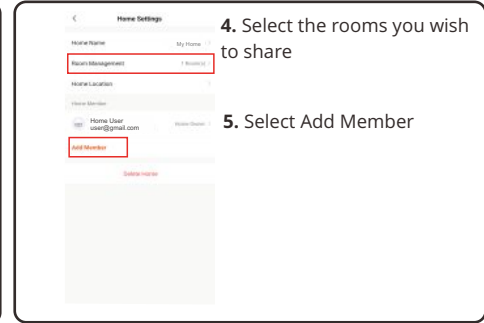
1. Go to "Me"
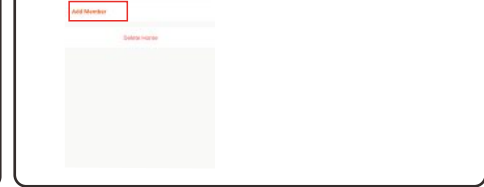
2. Go to "Home Management"
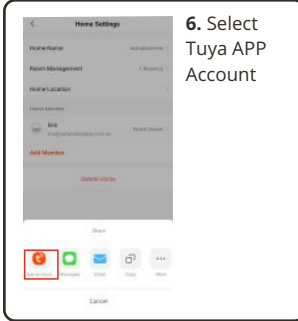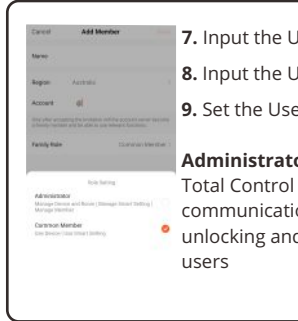
3. Select the home you wish to share

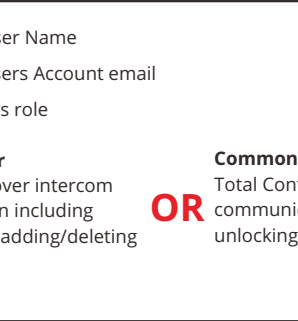**4.** Select the rooms you wish to share

5. Select Add Member

6. Select Tuya APP Account

7. Input the User Name

8. Input the Users Account email

9. Set the Users role

Administrator
Total Control over intercom communication including unlocking and adding/deleting users
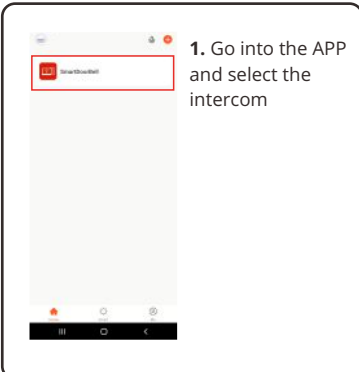
OR

Common Member
Total Control over intercom communication including unlocking only

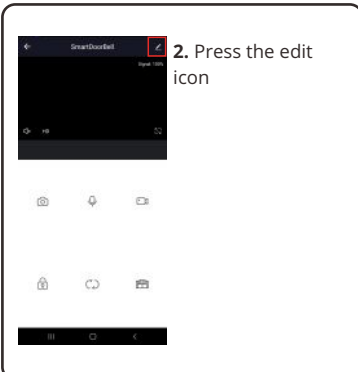Press **SAVE** an invitation will be sent to the user

Important for re-setup (if required)

If the intercom has been installed to another device already AS THE FIRST USER then it must be deleted from the users APP by following the instructions.
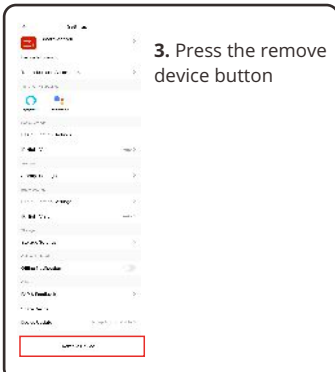
If you would like to add the device to other users devices follow the sharing methods above (two methods).

1. Go into the APP and select the intercom

2. Press the edit icon

3. Press the remove device button

22