

# VIRONE

## Operating and installation instructions

Video doorphone set SINNI

VDP-76



**CE STOP!**

Be sure to read the instruction manual before installation!  
Damage resulting from incorrect connection  
**ARE NOT SUBJECT TO REPAIR UNDER WARRANTY!**

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## 1. SAFETY INSTRUCTIONS

### Warnings and precautions for the safe use of the product:







1. Before using the device, read this user manual carefully and keep it for future reference.
2. Self-repairs or modifications will void the warranty.
3. The device may only be used as intended. Any other use is considered unsafe.
4. The manufacturer is not liable for damages resulting from improper installation or use of the device.
5. The installation of the device should be performed by an experienced person with the appropriate qualifications.
6. Perform all tasks with the power supply disconnected.
7. Do not immerse the device in water or other liquids.
8. Do not operate the device if the housing is damaged.
9. Do not touch internal components of the operating device directly or indirectly – risk of electric shock and/or burns.
10. Do not cover the device. Ensure free airflow.
11. Do not install the device near sources of strong radiation, e.g. lifts and other drive systems powered by alternating current.
12. Do not install the monitor in a place exposed to high moisture, vibration, shock and strong sunlight.
13. Turn off the power if there is a concerning sound coming from the device.
14. Remove the protective film from the monitor screen after installation and mounting.
15. Avoid striking, shaking, or colliding other objects with the device, as this may cause damage to the internal components of the unit.

### Disposal instructions

 Each household is a user of electrical and electronic equipment, and hence a potential producer of hazardous waste for humans and the environment, due to the presence of hazardous substances, mixtures and components in the equipment. On the other hand, used equipment is valuable material from which we can recover raw materials such as copper, tin, glass, iron and others. The WEEE sign placed on the equipment, packaging or documents attached to it indicates the need for selective collection of waste electrical and electronic equipment. Products so marked, under penalty of fine, cannot be thrown into ordinary garbage along with other waste. The marking means at the same time that the equipment was placed on the market after August 13, 2005. It is the responsibility of the user to hand the used equipment to a designated collection point for proper processing. Used equipment can also be handed over to the seller, if one buys a new product in an amount not greater than the new purchased equipment of the same type. Information on the available collection system of waste electrical equipment can be found in the information desk of the store and in the municipal office or district office. Proper handling of used equipment prevents negative consequences for the environment and human health!

05/2026

### Applied markings

1.	2.	3.
		
4.	5.	6.
		

1. Product compliant with EU directives.
2. Manufacturer.
3. Disposal of used electrical equipment.
4. Additional documentation and/or user manual.
5. Keep tidy.
6. Recycling code (corrugated fiberboard (cardboard)).

## 2. CHARACTERISTICS OF THE SET

The SINNI video doorphone set is a modern solution for single-family homes, combining security with convenience. It consists of a monitor with a 7-inch Full HD touchscreen and an outdoor unit equipped with a 2 MP camera and white IR night illumination. The device offers a fully wireless connection, enabling quick and easy installation without cabling. It also allows wicket or gate control when additional power is supplied. With built-in Wi-Fi and integration with the Tuya Smart app, the system can be operated remotely from anywhere. It supports microSD cards for storing images, videos, and conversations. The outdoor unit housing is made of high-quality, weather-resistant plastic, designed for surface mounting. One additional outdoor unit can be connected to the system.

Included: monitor, power supply, outdoor unit, lithium battery, Torx T10 screwdriver, FA4x25 screws (6 pcs.), wall plugs (6 pcs.), TM3x11 screw, CM2x6 screws (6 pcs.), power cable, pressure plate, Ethernet connector, rectifier diode.

## 3. INTENDED USE

The video doorphone is designed for installation in single-family buildings. The outdoor unit is suitable for surface-mounted, outdoor installation, while the monitor is intended for surface-mounting indoors. The set enables remote communication, access control, and the operation of an electric door strike and gate, making it an ideal solution for single-family homes, and other facilities requiring effective access control.

## 4. TECHNICAL DATA

TYPE OF THE DEVICE:	single-family
INSTALLATION METHOD:	wireless
COMMUNICATION SYSTEM:	wireless
RANGE IN OPEN FIELD:	420 m
FREQUENCY OF COMMUNICATION BETWEEN DEVICES:	866 MHz
WLAN FREQUENCY:	2.400-2.483,5 MHz lub 5 GHz (802.11 b/g/n)
MAXIMUM TRANSMITTING POWER:	<100 mW EIRP
COMPATIBILITY WITH OPERATING SYSTEM:	Android (v6.0 or newer); iOS (11.0 or newer)
POWER CONSUMPTION IN OFF-MODE:	n/a
POWER CONSUMPTION IN STANDBY MODE WHEN CONNECTED TO THE NETWORK:	1.2 W
TIME TO REACH THE STANDBY MODE:	60 s

### MONITOR

SCREEN SIZE:	7"
RESOLUTION:	1024 × 600
FUNCTIONS:	call, monitoring, door or gate control, monitor and volume control, SD card reader
NUMBER OF MELODIES:	3
VOLUME CONTROL:	yes
CALL TIME:	30 s
MONITORING TIME:	30 s
POWER SUPPLY:	12 V DC 0.5 A
POWER CONSUMPTION:	standby <1.2 W; work <4 W
ELECTRICAL STRIKE CONTROL:	yes (12 V DC max. 350 mA – requires an additional power supply)
GATE CONTROL:	yes (dry contact)
WORKING TEMPERATURE:	-10°C – +55°C
INSTALLATION:	surface-mounted
MATERIAL:	plastic
DIMENSIONS:	191 × 127 × 20 mm
NET WEIGHT:	0.375 kg

### OUTDOOR UNIT

SENSOR TYPE:	CMOS 1/2.9"
RESOLUTION:	2 MP, 1920 × 1080, 1080 p
VIEWING ANGLE (VERTICAL/HORIZONTAL):	50°/ 102°
NIGHT LIGHTING:	white LEDs
NUMBER OF DIODES:	6
NIGHT VISION RANGE:	approximately 2 m
INGRESS PROTECTION:	IP65
POWER SUPPLY:	built-in battery 3.7 V DC, 4200 mAh
POWER CONSUMPTION:	standby <1 W, work <1.5 W
WORKING TEMPERATURE:	-10°C – +55°C
INSTALLATION:	surface-mounted
MATERIAL:	plastic
DIMENSIONS:	66 × 184 × 44 mm
NET WEIGHT:	0.345 kg

## 5. SET CONSTRUCTION

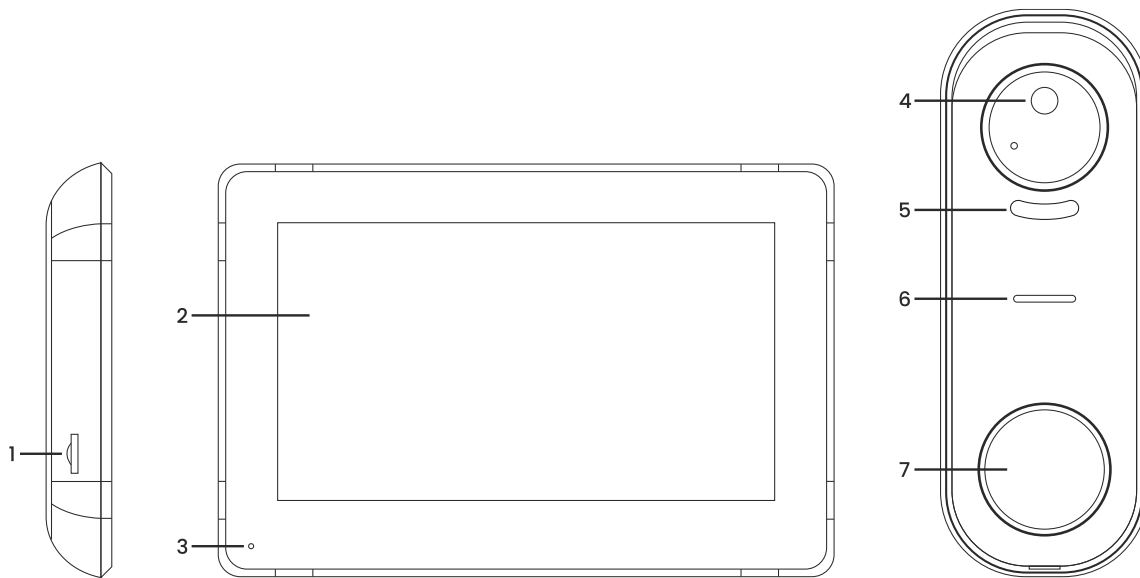


fig.1 Construction of the monitor and outdoor unit

### MONITOR

1. MicroSD card slot
2. LCD touchscreen
3. Microphone

### OUTDOOR UNIT

4. Camera lens
5. Night-time lighting
6. Loudspeaker
7. Call button

## 6. INSTALLATION

### MONITOR INSTALLATION

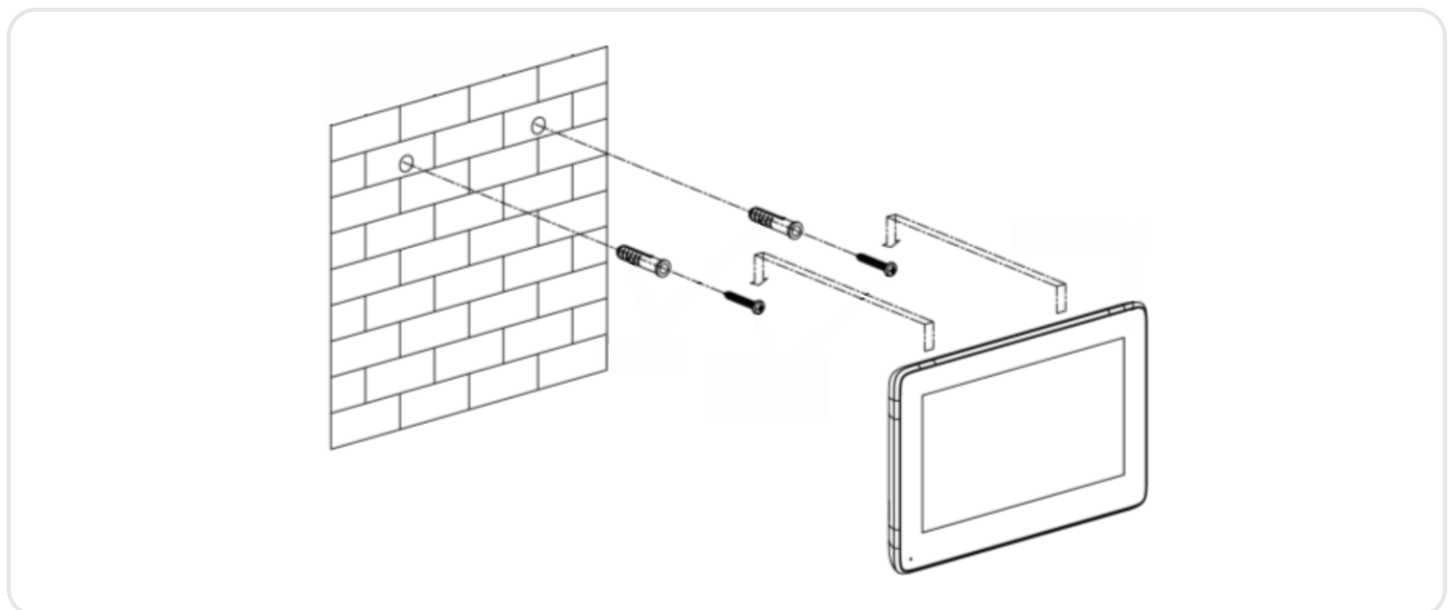


fig. 2 Monitor installation

1. Drill holes in the wall and insert wall plugs into them.
2. Insert the screws into the holes, but do not tighten them fully against the wall. The recommended distance from the wall is approx. 5 mm.
3. Hang the monitor on the protruding screws.
4. Connect the power supply to the 230 V AC outlet.

The device should not be installed in the vicinity of other equipment that may be a source of strong radiation (TV, DVR, etc.).

## OUTDOOR UNIT INSTALLATION

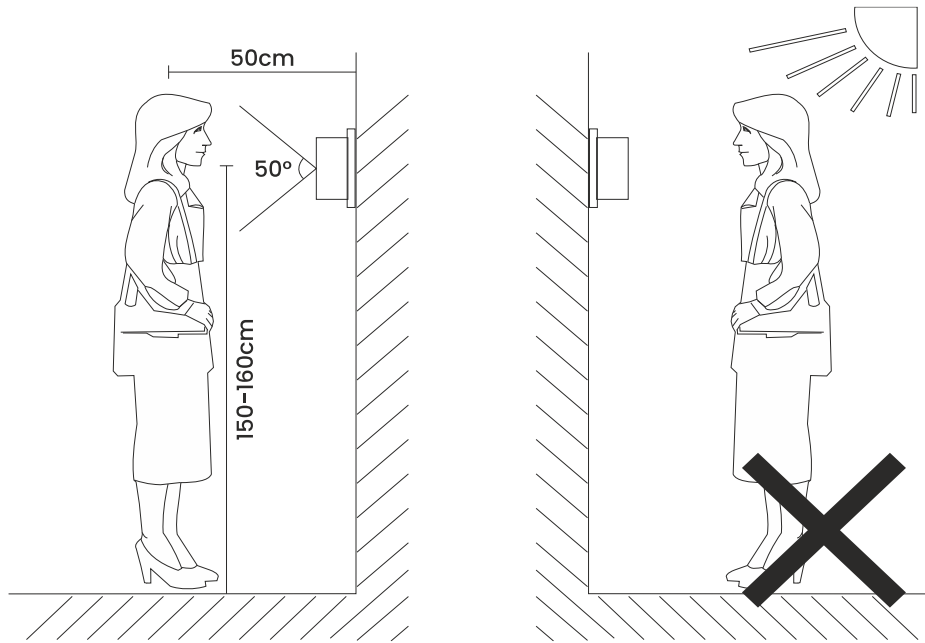


fig. 3 Outdoor unit placement

Do not install the device close to sources of strong radiation, e.g. hoists and other drive systems powered by alternating current. • Do not install the outdoor unit in a location with harsh weather conditions, e.g.: heavy rainfall, high temperature, high humidity, high dust, presence of corrosive chemicals. • The device should be mounted in a location and position that provides an optimal field of view.

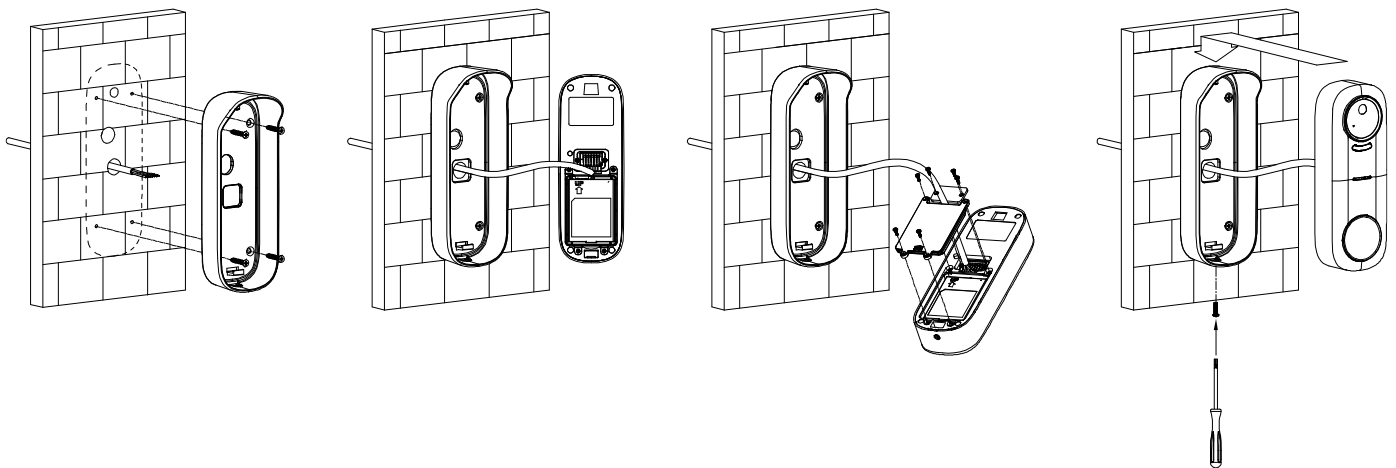


fig. 4 Outdoor unit installation

1. Drill holes in the wall and insert the wall plugs. Pull through the wires and screw the rainshield into place using screws.
2. Connect the power supply cables to the electric strike or gate according to the wiring diagram, and place the battery inside the outdoor unit.
3. Secure the battery and connectors by fastening the pressure plate to the outdoor unit.
4. Place the outdoor unit into the protective cover and secure it by tightening the locking screw from the bottom.

## 7. WIRING DIAGRAMS

The electric strike/alarm/camera is not included in the set. You must purchase an electric strike that best suits the requirements of the set (12 V DC max. 350 mA). In the standard model, the system works with strikers that open with a NO contact. This means that in normal operation, the circuit is open, so the striker is permanently closed. When the entry button is pressed and there is a change on the dry contact, the striker is released.

To achieve the best possible wireless range, place the units away from large metal objects, thick walls, metal surfaces, or other obstacles that may limit wireless communication. To prevent signal interference, keep both devices at least 1 m away from electronic equipment such as TVs, computers, microwave ovens, or radios.

The connection to the electromagnetic lock should be made with  $2 \times 1 \text{ mm}^2$  cable. The set is compatible with any electric door strike with 12 V DC supply voltage and current consumption of max. 350 mA. The total length of the installation must not exceed 100 meters. We absolutely do not recommend the use of twisted-pair cables.

### 1. Monitor connectors.

Network		<b>Network</b> Use the included Ethernet connector to connect the monitor to the router via a wired connection (Network port).
NO	COM	<b>Doorbell</b> The NO and COM terminals are used for connecting an additional doorbell.

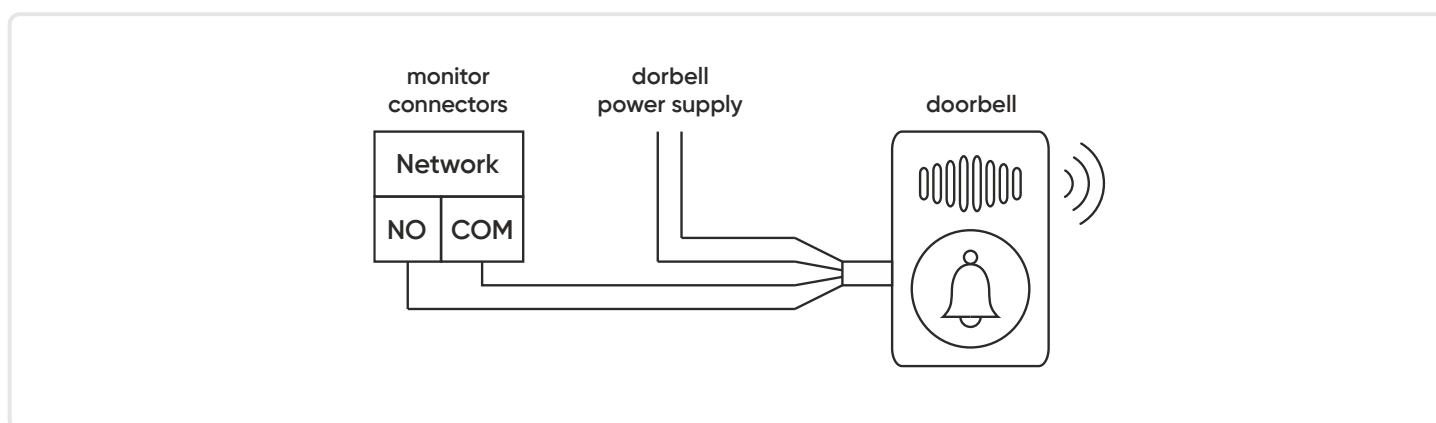


fig. 5 Wiring scheme

### 2. Outdoor unit connectors.

1	2	3	4	5	6
DC9-24V	GND	SOLAR+	EXIT	COM	NO

#### Power supply

An additional 9–24 V power adapter can be connected to terminals 1 and 2.

#### Exit button

An exit button can be added by connecting it to terminal 4.

#### Wicket/gate release

An electric strike or gate control can be connected to terminals 5 and 6. When connecting an inductive load, such as an electric strike or electromagnetic lock, it is recommended to use the included 1 A/400 V diode connected in parallel with the load device to absorb inductive surges. This provides better protection for the doorphone. The relay load current must not exceed 2 A.

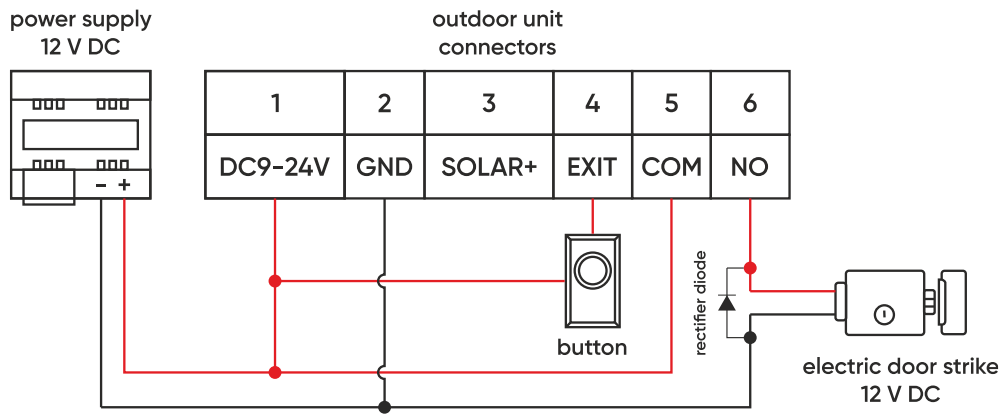


fig. 6 Wiring scheme

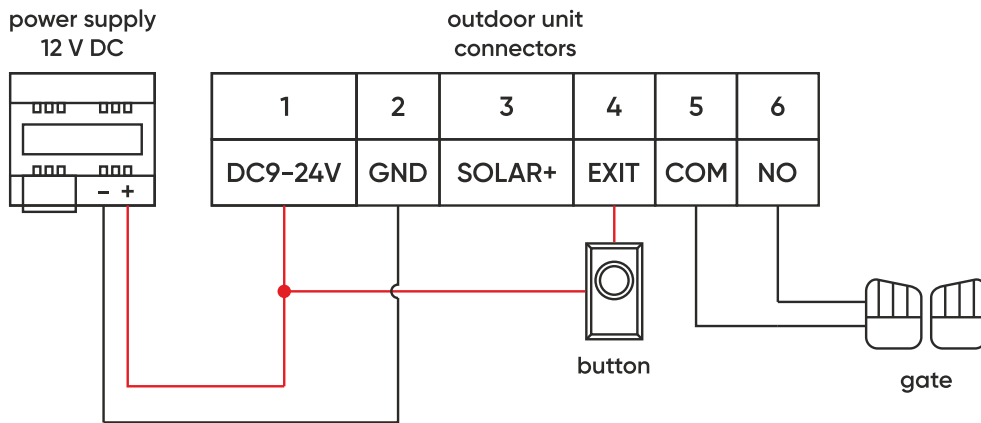


fig. 7 Wiring scheme

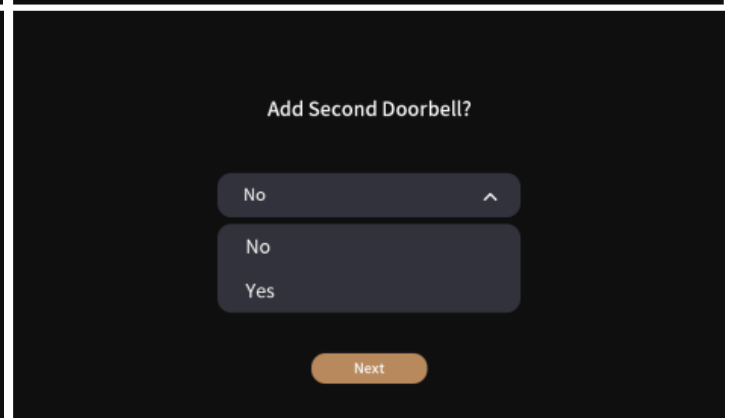
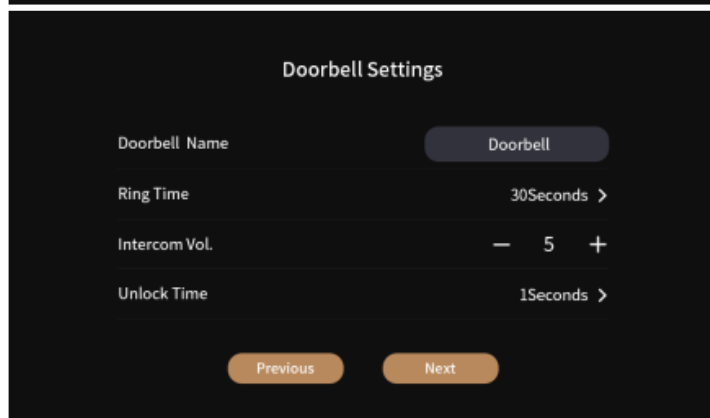
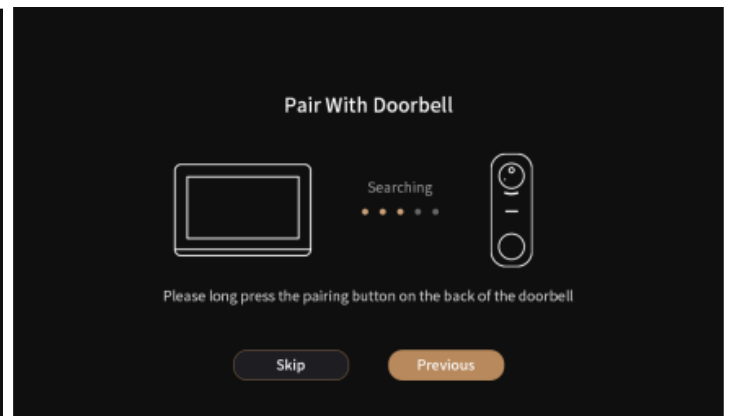
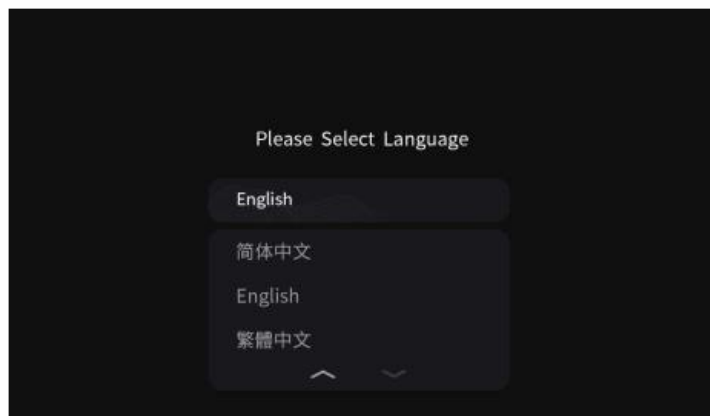
Before drilling the installation holes, it is recommended to carry out a functional test of the device. To do this, connect the device for a test according to the wiring diagram. The first person holding the camera should use the button to call the second person who is at the monitor. This person should then carefully inspect the camera's field of view in order to correct the module's position if necessary. Once the measurements have been taken accurately, proceed with the mounting holes after switching off the power supply.

It is forbidden to make connections to live equipment! Failure to adhere to this recommendation may result in permanent damage to the device and loss of health. The set does not include an electric door strike, cameras, exit button, and automatic gate control unit!

## 8. OPERATION

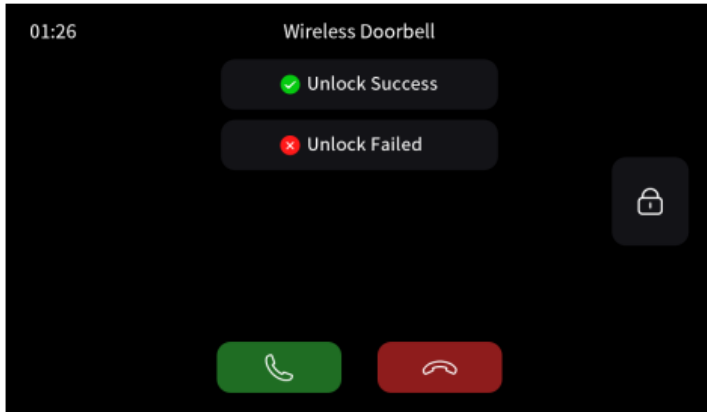
### FIRST START-UP AND PAIRING

1. Connect the monitor to the power supply. After turning it on, select the system language. Available options: Simplified Chinese, Traditional Chinese, English, Spanish, German, Polish, Russian, Turkish, Hebrew, Arabic, Portuguese, French, Italian, Slovak, Vietnamese, Dutch.
2. Insert the battery into the outdoor unit and switch it on.
3. Press and hold the pairing button located on the back of the outdoor unit for approximately 5 seconds.
4. Once paired, the monitor allows adjustment of the basic outdoor unit settings: device name, ring time, call volume, and door release time.
5. In the next step, the system will prompt to pair an additional outdoor unit. Select Yes to pair another unit and repeat step 3 with the new unit. Select No if you do not wish to pair an additional unit.

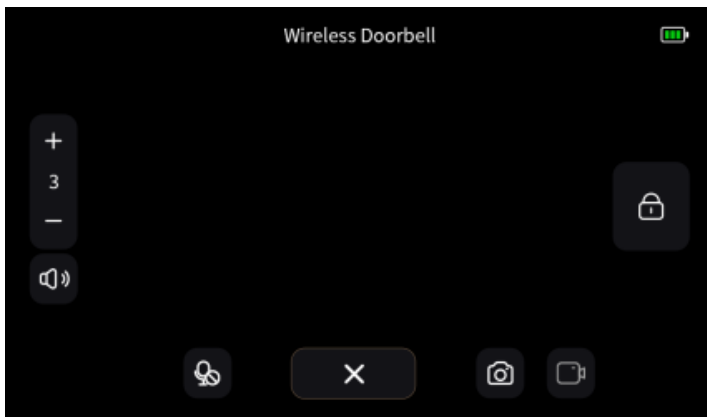


## CALL

1. To start a call, press the call button on the outdoor unit.
2. On the monitor, select the button to answer or reject the call. You can also open the wicket or gate without starting a conversation.



3. During the conversation, use the function buttons to:



\* File saving is only available when a microSD card is installed in the monitor.

4. To end the conversation, press **X**.



Answer the call.



Reject the call.



Open the wicket or gate.



Adjust call volume using the + / - buttons.



Enable/disable the monitor's microphone.



Save a photo\*.



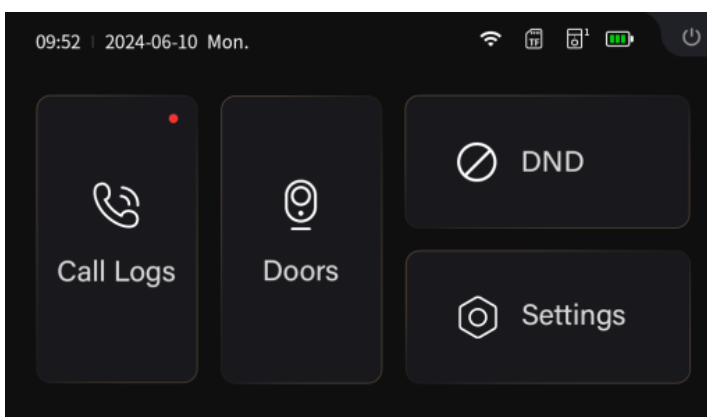
Record a video\*.



Open the wicket or gate.

## MENU

The main menu top bar displays the current time and date along with the day of the week. It also shows the status of Wi-Fi, SD card, outdoor units, and battery level. The OFF button in the upper right corner allows you to turn off the monitor. Additionally, use the function buttons to:



Open the call log.



Open the preview from the outdoor unit.





Enable or disable *Do Not Disturb* mode.

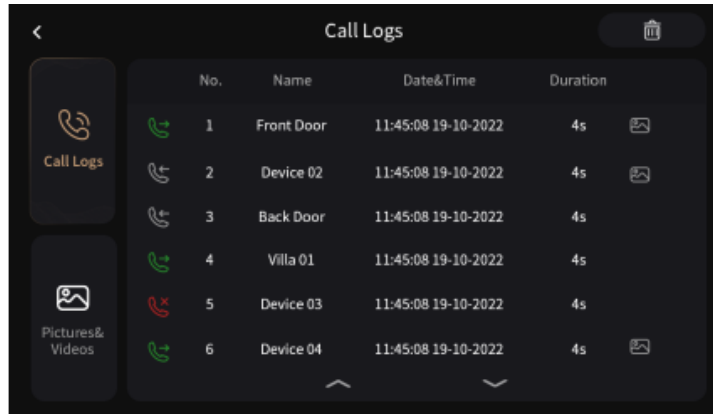


Open the settings.

## CALL LOG

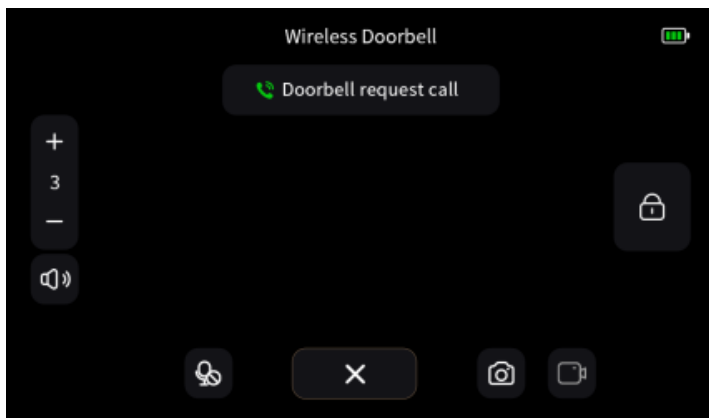
Select *Call Log* from the main menu to open the list of answered, missed, and rejected calls. Each entry displays the call source, date, time, and call duration. A photo icon  next to an entry indicates that a photo or recording was saved during the conversation. Select the *Photos and Recordings*  tab on the left side to open the folder with saved files.

**Note:** file saving is only available when a microSD card is installed in the monitor.



## MONITORING

Select *Doors* from the main menu to open the preview from the outdoor unit. While in preview, you can answer an incoming call by tapping the notification displayed on the screen. To switch the view to the second outdoor unit, tap the name of the first unit at the top of the screen and change the video source. To exit the preview, press **X**.



\* File saving is only available when a microSD card is installed in the monitor.



Adjust the preview/call volume using the + / - buttons.



Enable/disable the monitor's microphone.



Save a photo\*.



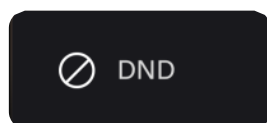
Record a video\*.



Open the wicket or gate.

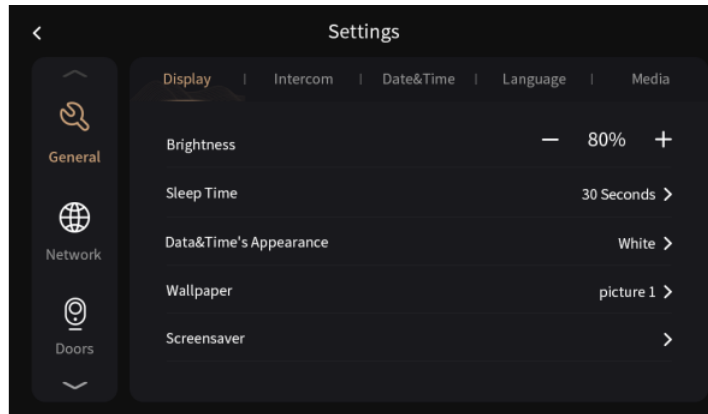
## DO NOT DISTURB MODE

When *Do Not Disturb* mode is enabled, all incoming calls are completely blocked. Blocked call attempts can be reviewed in the call log. While this mode is active, the DND tile in the main menu will be highlighted.



## 9. GENERAL SETTINGS

### DISPLAY



**Brightness** Adjust the screen brightness. Range: 10% to 100%.

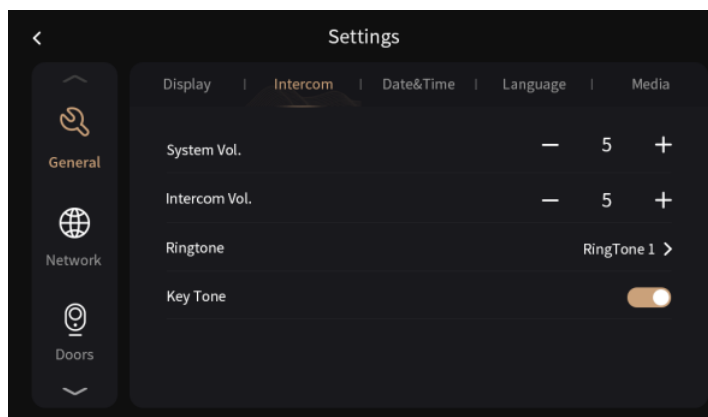
**Sleep time** Set the time after which the monitor will turn off. Options: 15 s, 30 s, 1 min, 2 min, 5 min, 20 min, 30 min.

**Data and time appearance** Select the display color for date and time in the main menu. Options: black or white.

**Wallpaper** Choose one of the four system wallpapers or upload a custom one from the microSD card.

**Screensaver** Select one of the four system screensavers or upload a custom one from the microSD card.

### INTERCOM



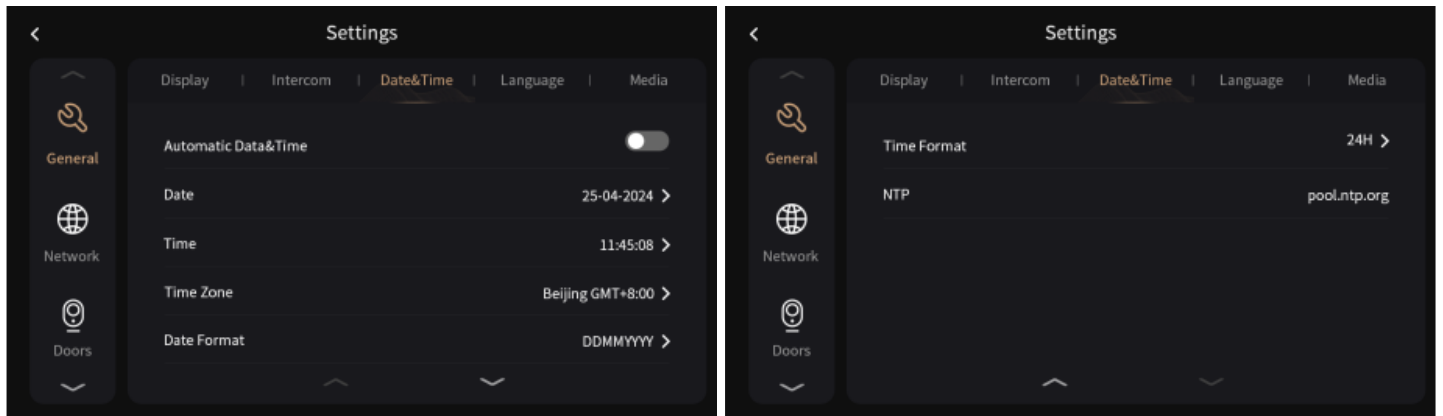
**System volume** Select the system volume. Range: 1 to 6.

**Intercom volume** Select the call volume. Range: 1 to 6.

**Ringtone** Choose one of three ringtones.

**Key tone** Enable or disable keypress sounds.

## DATE AND TIME



**Automatic date and time** Enable or disable automatic date and time synchronization via Wi-Fi.

**Date** Option to set the date manually.

**Time** Option to set the time manually.

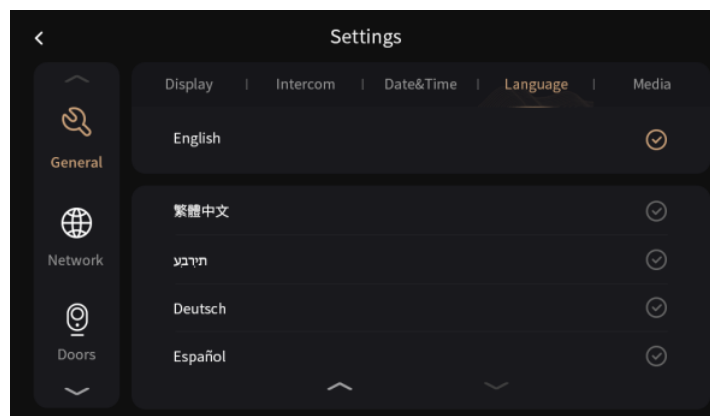
**Time zone** Select the appropriate time zone.

**Date format** Choose one of three date formats: YYYY-MM-DD, DD-MM-YYYY, MM-DD-YYYY.

**Time format** Select either 12-hour or 24-hour clock format.

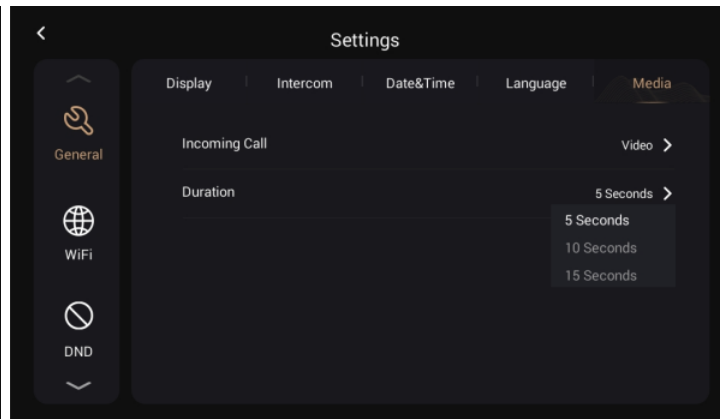
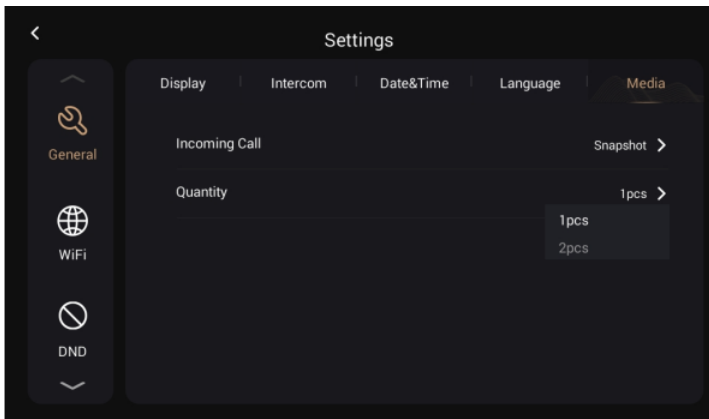
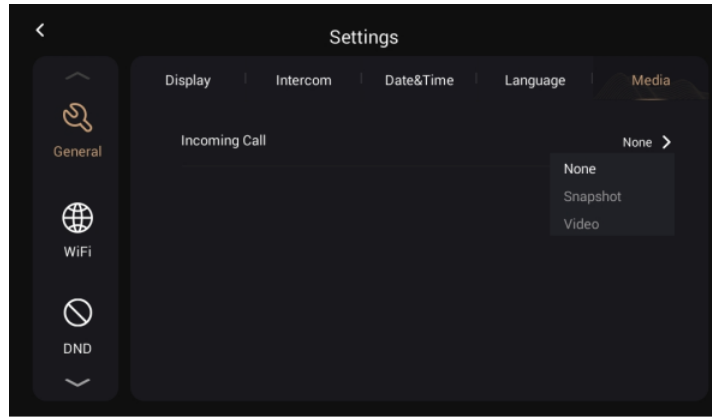
**NTP** Network Time Protocol – time synchronization protocol.

## LANGUAGE



Change the system language. Available options: Simplified Chinese, Traditional Chinese, English, Spanish, German, Polish, Russian, Turkish, Hebrew, Arabic, Portuguese, French, Italian, Slovak, Vietnamese, Dutch.

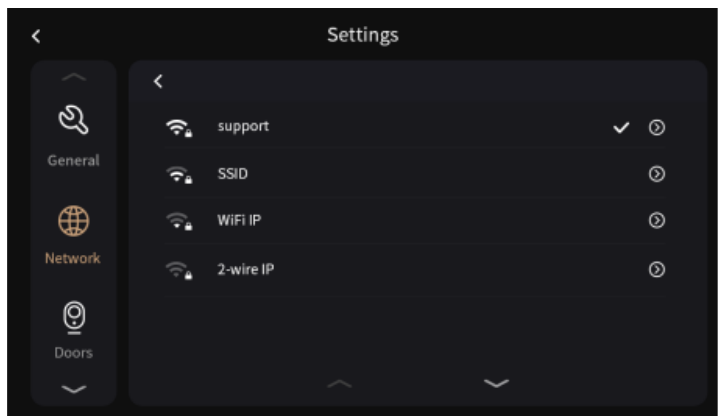
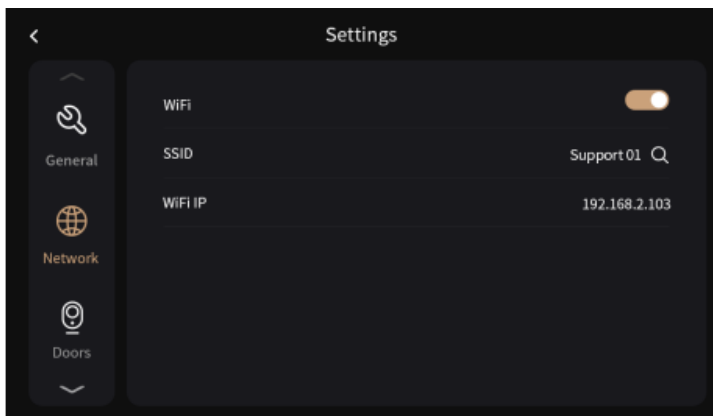
## MEDIA



Enable or disable the option for automatic photo or video saving. Selecting *Photo* enables automatic photo capture during a conversation. The number of photos can be set to 1 or 2. Selecting *Video* enables automatic video recording during a conversation. The recording length can be set to 5, 10, or 15 seconds.

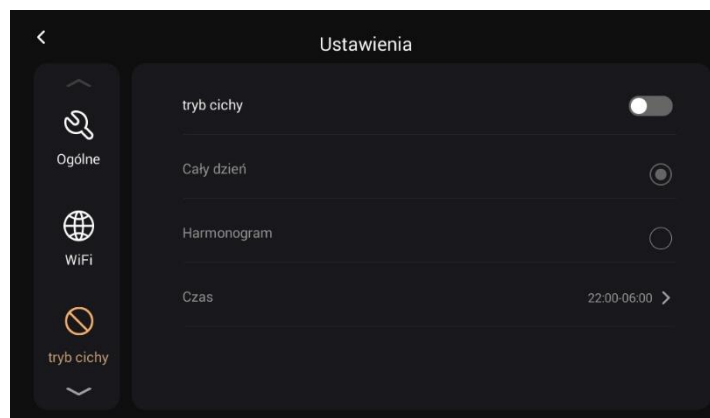
**Note:** file saving is only available when a microSD card is installed in the monitor.

## 10. NETWORK SETTINGS



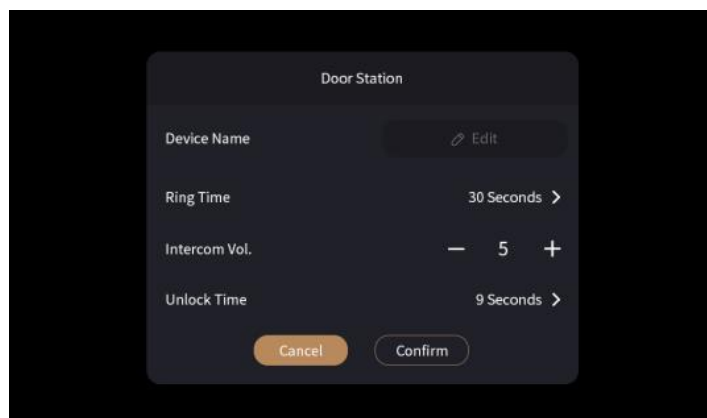
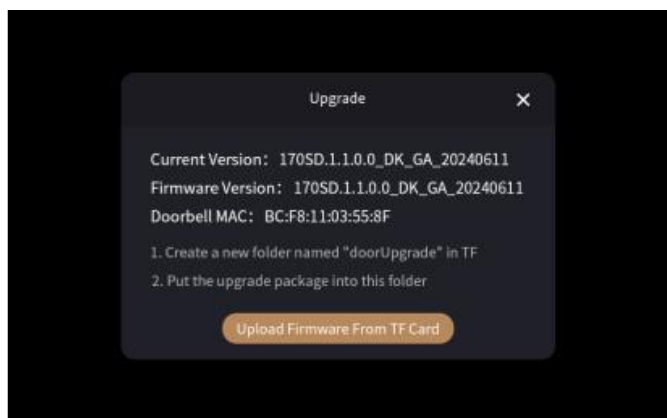
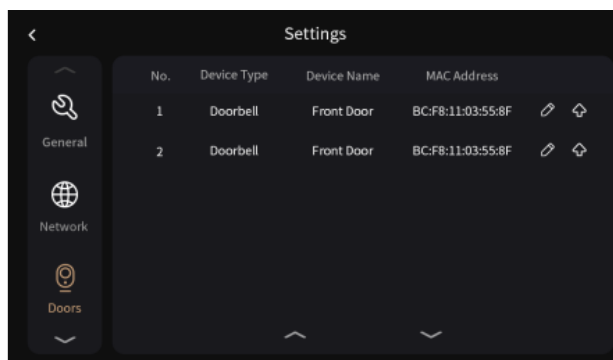
Enable or disable the Wi-Fi connection option, select the network you wish to connect to, and check the IP address of the connected network.


## 11. SILENT MODE SETTINGS




Silent mode	Enable or disable <i>Do Not Disturb</i> mode.
All day	Select this option to block calls for the rest of the day (or until disabled).
Schedule	Select this option to enable <i>Do Not Disturb</i> mode for a specified period.
Time	Enter the time period for temporary <i>Do Not Disturb</i> mode.

## 12. OUTDOOR UNIT SETTINGS

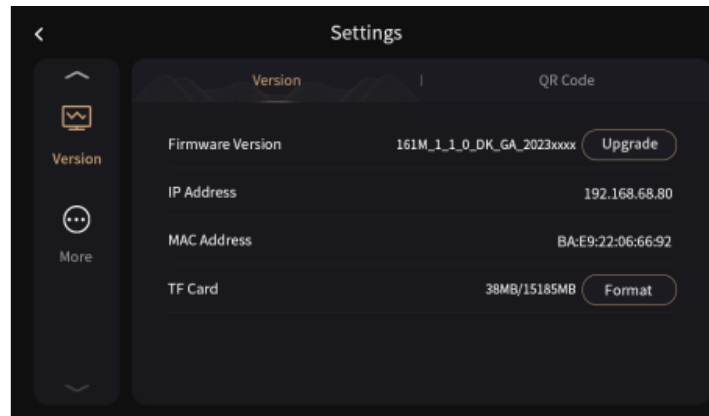


For the selected outdoor unit, click the arrow icon  to open the update window. There you can check the current software and system version.

For the selected outdoor unit, click the pencil icon  to modify its settings. Update the device name, adjust the ringtone duration (15 s, 30 s, 1 min, 2 min), set the call volume (1 to 6), and configure the door release time (1 s, 3 s, 5 s, 9 s).

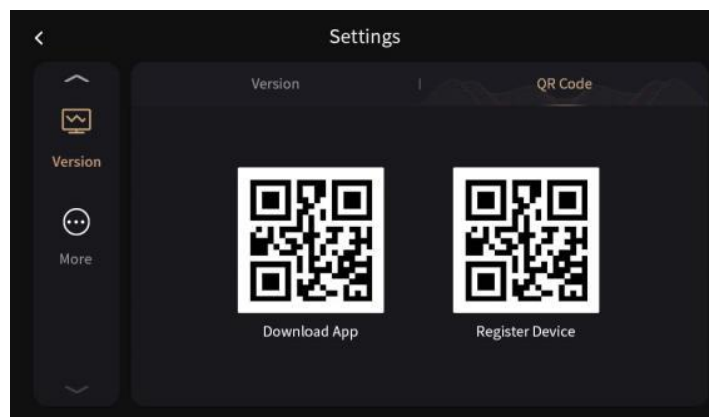
## 13. SYSTEM SETTINGS

### VERSION



- Firmware version** Check the current software version. Press *Update* to upgrade the device. Before updating, create a folder named “doorUpgrade” on the microSD card and place the update files inside (if provided by the distributor).
- IP and MAC address** Check the device’s IP and MAC address.
- MicroSD card** Check the used and total memory of the microSD card. Press *Format* to format a new microSD card.

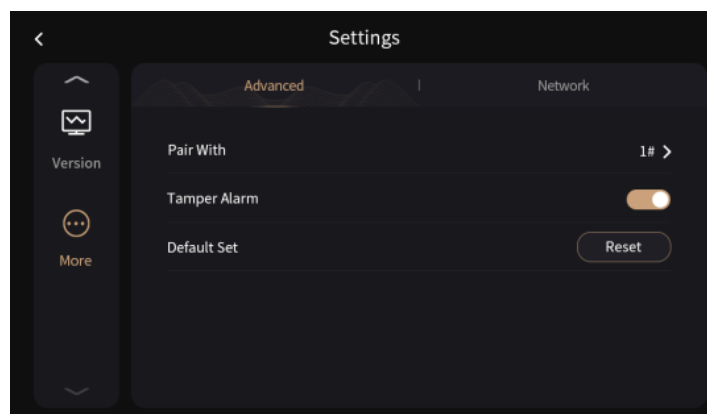
### QR CODE



Display the QR codes for easy app download and device pairing with a smartphone.

## 14. ADDITIONAL SETTINGS

### ADVANCED

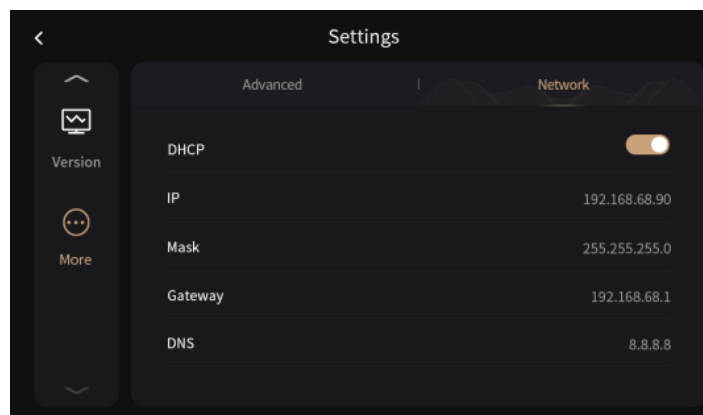


**Pair with** Select to pair the monitor with a second outdoor unit.

**Tamper alarm** Enable the tamper alarm function to enhance device security.

**Default settings** Restore the system to its factory settings.  
**Note:** when returning the device or sending it for service, remove it from the Tuya Smart app and reset it to factory settings!

### NETWORK



**DHCP** Enabling DHCP (Dynamic Host Configuration Protocol) allows automatic assignment of network configuration parameters.

**IP** Manual configuration of a static IP address is also possible for custom network settings.

**Mask** Subnet mask – defines the network segment.

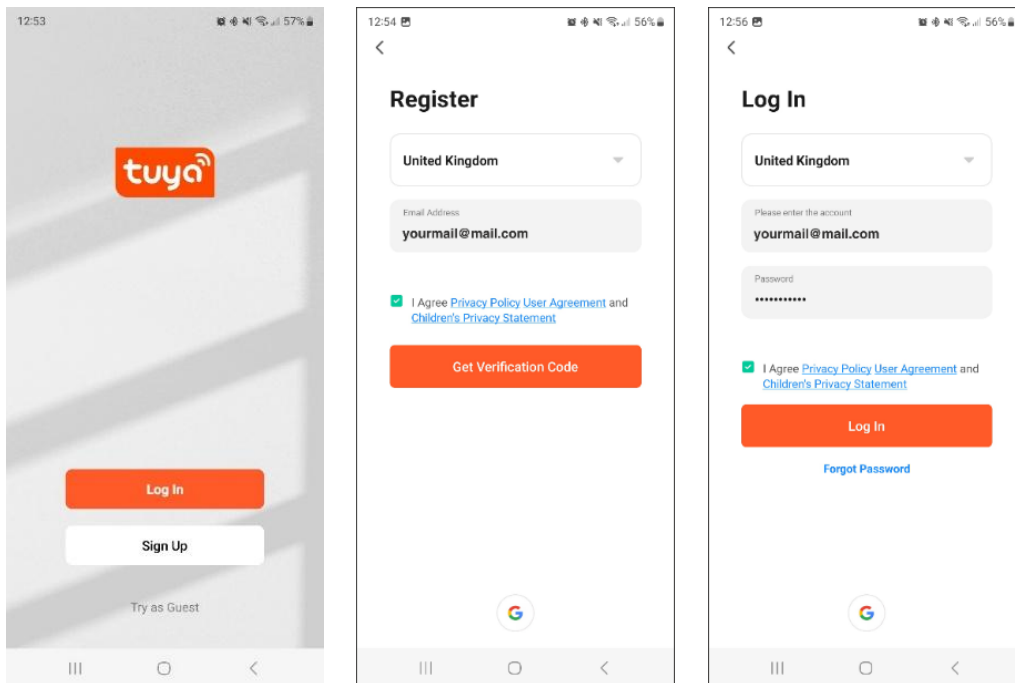
**Gateway** Connects two different networks using distinct protocols.

**DNS** The domain name server used by the device.

## 15. WI-FI CONNECTION

**Note:** a device can only be paired with one Tuya account. To pair the device with a new account, remove the pairing with the previous account or use the share function in the app to make the device available for a second account.

1. Open the App Store (iOS) or Google Play (Android) on your phone. Search for the app *Tuya Smart* and install it or scan the QR code.
2. If you do not already have an account in the app, click *Sign up*, you will be redirected to the next page. The system will automatically identify the country/region you are from or you can manually select it yourself. Enter your e-mail address, check your agreement with the privacy policy and click on *Receive verification code*. Enter the code you received, then enter your password and click *Go to app*.



### WI-FI WIRELESS MODE

3. On the monitor, select *Settings > Wi-Fi > Unlinked*, then choose your home Wi-Fi network and enter the password.
4. Open the app and select *Add Device* in the upper-right corner. Change the pairing mode to *QR Code*, then use the monitor screen to scan the QR code displayed on the right (*Settings > System > QR Code*).
5. Wait for the devices to pair.

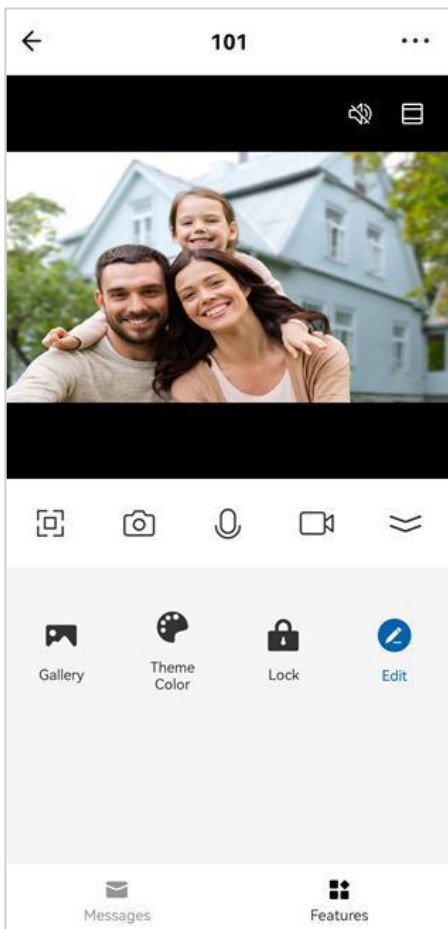
### LAN WIRED MODE

3. Connect the RJ45 adapter to the back of the monitor and connect the LAN cable with Internet access.
4. Enable Bluetooth on your phone and connect it to the same home network to which the LAN cable is connected.
5. In the app, select *Add Device* – the phone should automatically detect the available device. Select it and wait for the configuration process to complete.

**Note:** when changing the Wi-Fi network or the Administrator, the device must be completely reset (the outdoor unit will need to be paired again). To do this, on the monitor go to *Settings > More > Default Settings – Reset*. If problems occur, disable and re-enable DHCP on the monitor: *Settings > More > Network*.

## 16. APP USAGE

**Note:** to ensure the correct functioning of the application, the user is obliged to update the application in accordance with communications from the application operator.



Mute.



Zoom in.



Full screen.



Save photo.



Call.



Save video.



Expand additional options.



Saved photos gallery.



Light mode / Dark mode.



Open wicket / gate.



Edit.

## ACCESS

### Creating a family

Select the *Me* tab in the bottom menu of the application, then go to *Home Management*. Enter a family name (e.g., Smith). Select *Add Members*. The application will display options for sharing the invitation code (e.g., via text message). Invited users can add their device by entering the invitation code in *Home Management* > *Join Home* after installing the application.

All family members can manage the device through the application. Only the family owner and administrators can manage (add/remove) family members.

### Sharing access

Open the preview from the outdoor unit and then click the settings icon. Find the *Device Sharing* tab and click *Add Sharing*. Add the user and complete the process. Users added in this way cannot open the wicket or gate.

## 17. TROUBLESHOOTING

### 1. Monitor does not turn on or off automatically.

Ensure the power supply is properly connected. Restart the device.

### 2. Monitor screen is too dark.

Check that the monitor's brightness and contrast are properly set.

### 3. No sound during a call.

Ensure the monitor is not muted and the call volume is not set to minimum.

### 4. No live view from the outdoor panel.

Verify that the devices have been paired correctly.

### 5. Multimedia files do not open.

Check that the files are saved in a format supported by the system.

### 6. Monitor touchscreen does not respond.

Press and hold the unlock button for 5s, or slowly swipe vertically or horizontally across the screen to calibrate the display.

### 7. Touchscreen responds with delay or calibration does not work.

Ensure that the protective film has been removed from the screen.

## 18. CLEANING AND MAINTENANCE

Dirt should be cleaned with a soft, slightly damp cloth using mild cleaning agents designed for plastics. Do not use cleaning agents based on solvents, gasoline, etc., or products containing abrasive substances.

## 19. AFTER-SALES SERVICE

If, despite the care we have taken in designing and manufacturing your product, it is not working properly, please contact our technicians in the after-sales service team:

### Retail Customer Advisor

Phone: +48 (32) 43 43 110 int. 109,

e-mail: [techniczny@orno.pl](mailto:techniczny@orno.pl),


Monday to Friday from 8:00 a.m. to 5:00 p.m..

## 20. SAFETY-RELATED COMMUNICATION CHANNELS

All complaints and information related to the safety of the product should be reported to the manufacturer via the website: [www.virone.pl](http://www.virone.pl).

## 21. ADDITIONAL INFORMATION

In view of the fact that the technical data are subject to continuous modifications, the manufacturer reserves a right to make changes to the product characteristics and to introduce different constructional solutions without deterioration of the product parameters or functional quality. Additional information about VIRONE products is available at [www.virone.pl](http://www.virone.pl). Orno-Logistic Sp. z o.o. holds no responsibility for the results of non-compliance with the provisions of the present Manual. Orno Logistic Sp. z o.o. reserves the right to make changes to the Manual - the latest version of the Manual can be downloaded from [support.virone.pl](http://support.virone.pl). Any translation/interpretation rights and copyright in relation to this Manual are reserved.

Responsible entity:  
 ORNO-LOGISTIC Sp. z o.o.  
ul. Rolników 437, 44-141 Gliwice, Poland  
tel. (+48) 32 43 43 110, [www.virone.pl](http://www.virone.pl)

#### **Simplified declaration of conformity**

Orno-Logistic Sp. z o.o. declares that the type of radio device VDP-76 Video doorphone set Sinni is compliant with the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following web address: [www.virone.pl](http://www.virone.pl).