

Digital VTS1500A (2.0) User's Manual

V 1.0.0

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

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1. Product Overview

Digital VTS1500A (2.0) has functions of calling user, unlocking VTO, and monitoring VTO, fence station, IPC and etc. It can be used in residence with management center or without management center since it has flexible applications.

1.1. Front Panel

The product front panel is shown in Figure 1- 1.



Figure 1- 1

Please refer to the following sheet for detailed information.

No.	Name	Description
1	Unlock Button	You can press this button to unlock under monitoring, incoming call and calling.
2	Speaker Button	You can press this button to switch from handset to speaker during incoming call and handset call.
3	Mechanical Keypad	It supports input of 0~9, symbol (*, #),  ,  ,  and  .
4	Handset	You can pick up handset to answer call when there is incoming call.
5	Speaker	It is audio output. Speaker is at the rear of device.
6	Mic	It is audio input. Mic is at the bottom of device.

Please refer to the following sheet for detailed indicator information.

No.	Indicator Name	Description
1	Power	NO means device connects to power.
2	Network	NO means device is plugged with network cable.
3	Info	NO means device has missing call.

1.2. Rear Panel

The product rear panel is shown in Figure 1- 2.

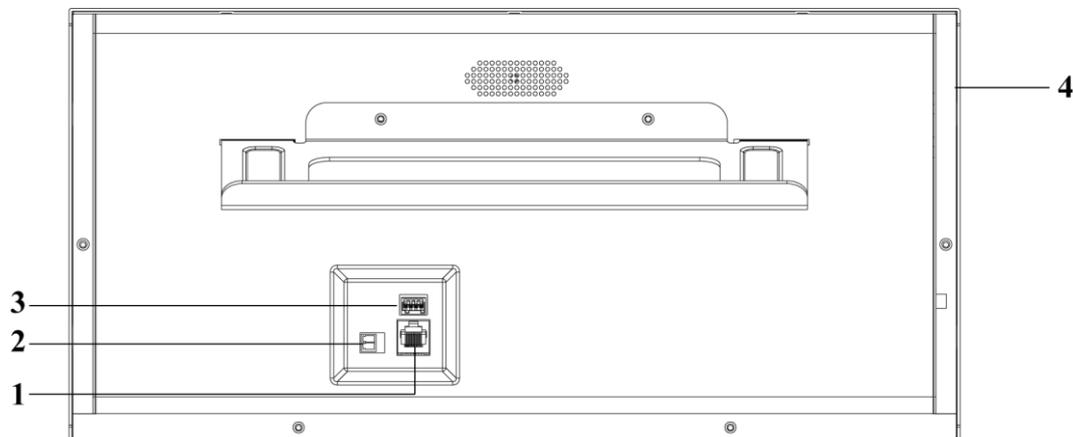


Figure 1- 2

No.	Name	Description
1	Network Port	RJ45 network port, plug in cable.
2	Power Indicator	DC 12V
3	Debug Port	For professional staff use only.
4	RJ11 Port	Connect to MIC.

2. Quick Guide

This chapter mainly introduces wiring, network config and etc of digital VTS. Please read the following contents carefully.

Warning

- Before debugging, staff shall be familiar with various information, understand the device installation, wiring and usage.
- Before debugging, check if there is short circuit or open circuit.
- Plug device to power only when all checks are done.
- After debugging, clean up the site (including device fixing and etc.).

2.1. Typical Application

Digital VTS is usually installed at the manager center of a residence community which controls all VTHs and VTOs in the residence. The typical application is shown in Figure 2-1.

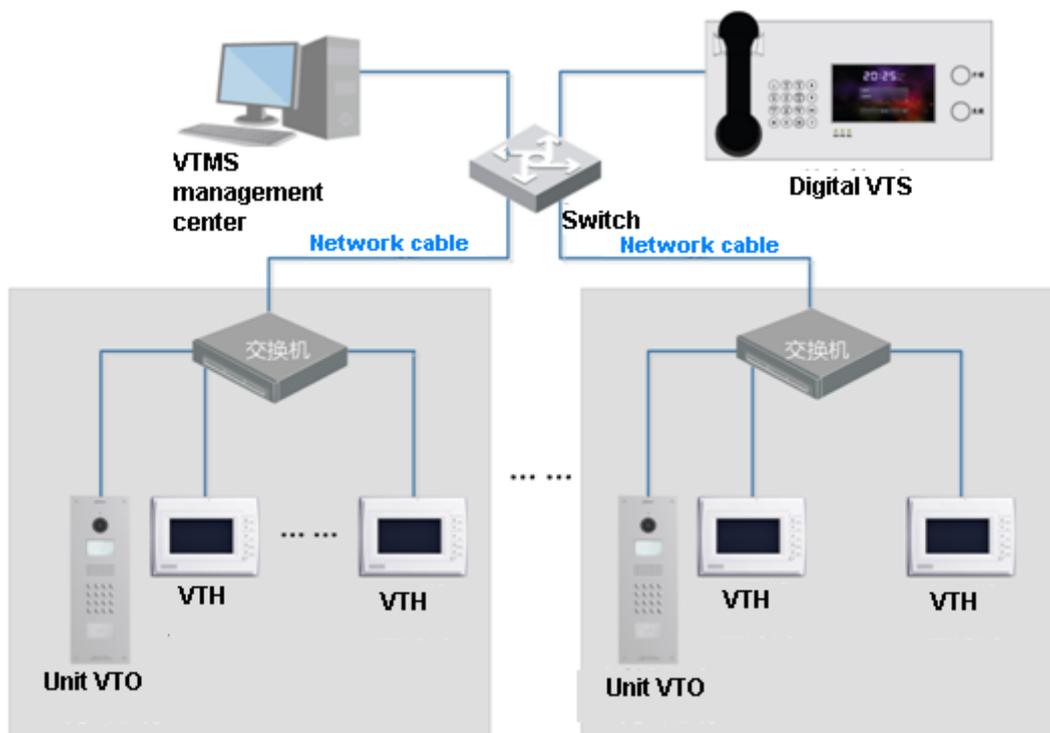


Figure 2- 1

2.2. Network Config

Before using VTS, you must properly configure network parameter.

Note:

Digital VTS default IP address is 192.168.1.109.

Step 1. In device's main interface, press settings, and project. Input password (initial password is 002236) to enter project interface. See Figure 2- 2.

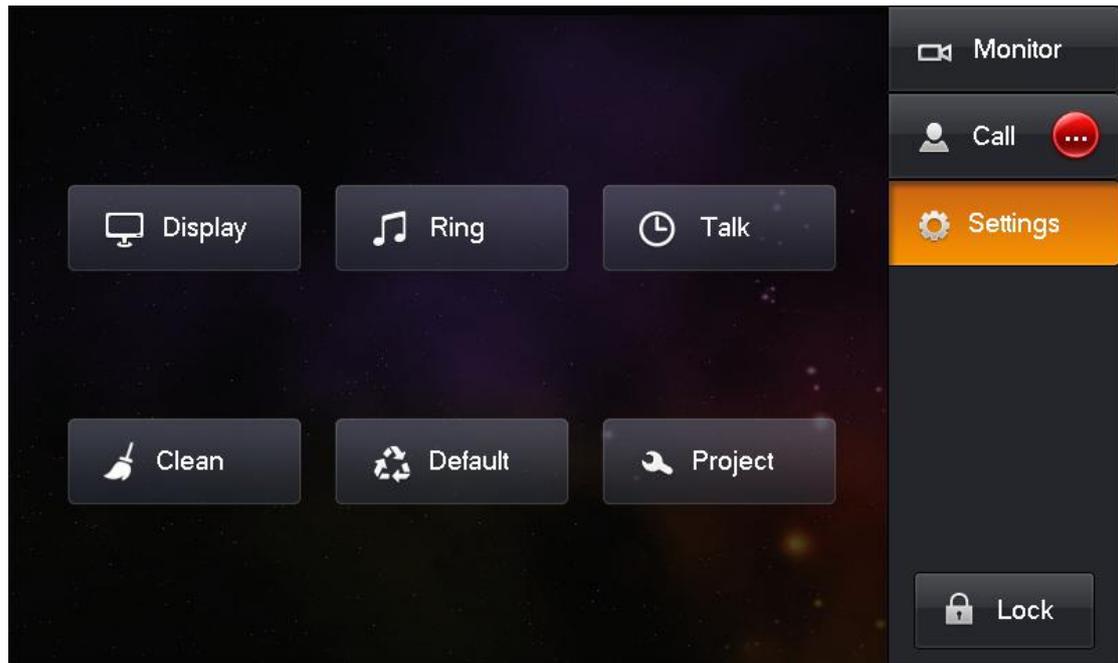


Figure 2- 2

Step 2. In local info interface, set no., IP address, subnet mask, and gateway according to actual environment.

Note:

- If there is more than one VTS in the residence community, then each VTS shall have different no.
- If VTS is registered at management center, than no. parameter must match Figure 2-7.

See Figure 2- 3.

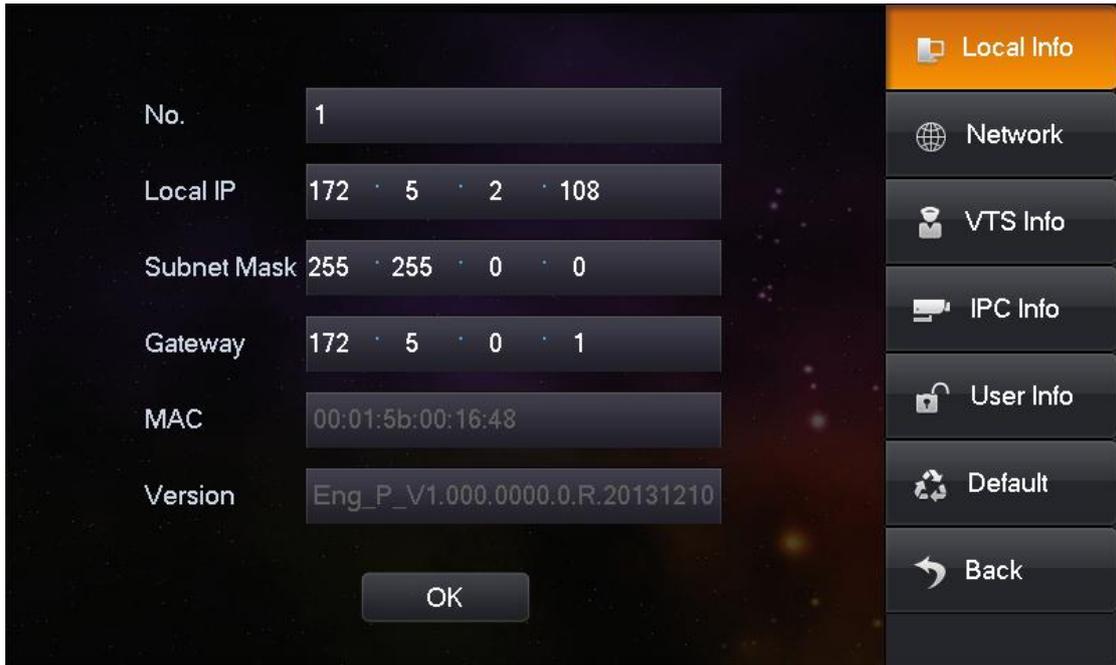


Figure 2- 3

Step 3. In network config, add VTO and fence station. See Figure 2- 4.

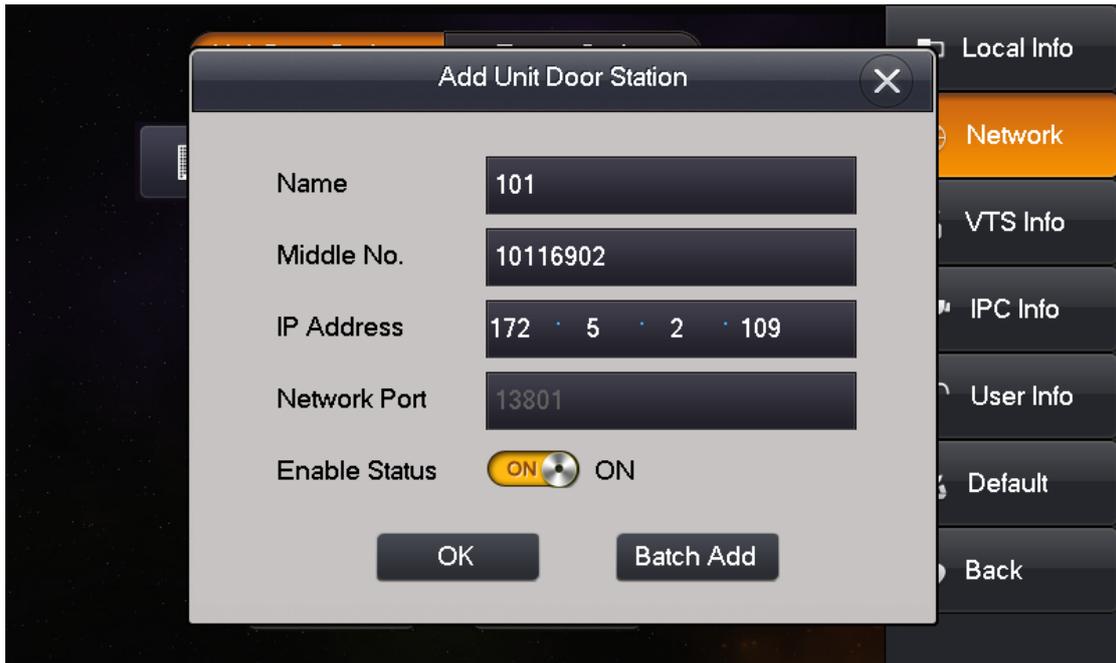


Figure 2- 4

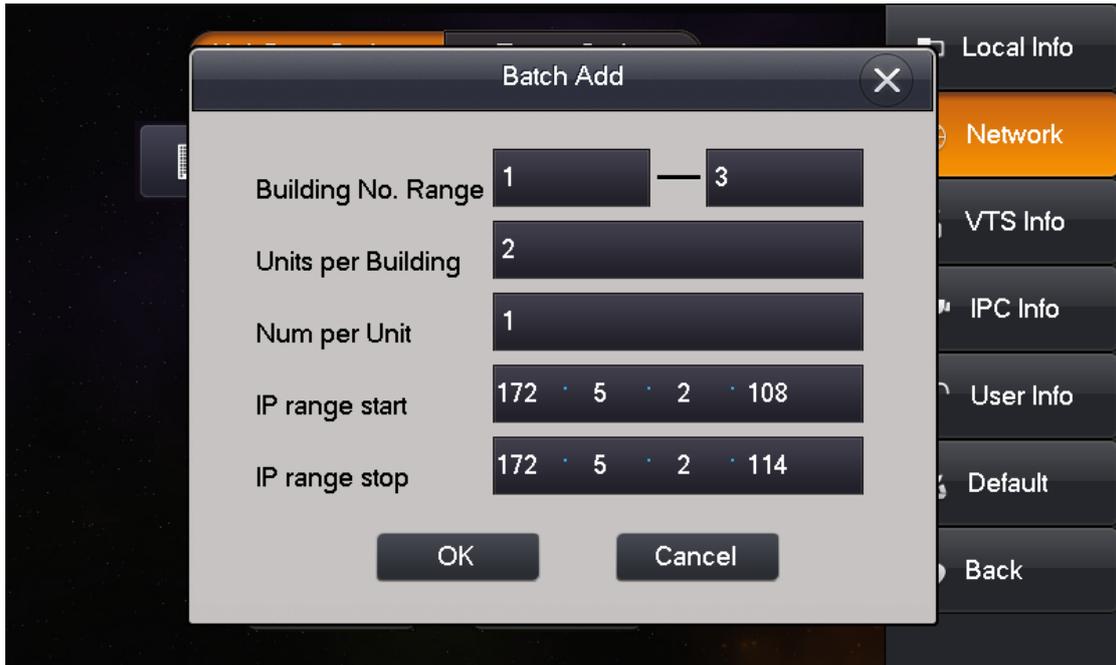


Figure 2- 5

Step 4. In VTS setting interface, input VTMS IP address. Please refer to Ch 2.3.

Step 5. In IPC setting interface, fill in IP address of network camera, input username and password.

Note:

Digital VTS supports a max of 32 network cameras. After you successfully add, you can immediately view video from added network camera.

2.3. Management Center

Digital VTS may register at VTMS, ICMS center, or not since it can run independently without limit on function. To register VTS at VTMS:



Step 1. On PC, install VTMS. Double click on `zw_guard.exe`, click on start service. VTMS starts.



Step 2. On PC, install VTMS client. Double click on `VTMS.exe`, in pop-up box, input username, password, IP address, port and other parameters. Click on login.

Note:

Default username and password are admin and 123. Please change your password after first login.

See Figure 2- 6.

name

pwd

ip **port**

auto login **save pwd**

Login **Cancel**

Figure 2- 6

Step 3. In main interface, click on device management, and click on add. In add device interface, input device name, and select type, fill in no. See Figure 2- 7.

Add VT as single

Base information

Device no.:

Device Type:* ▼

Device Name:*

Device address:*

Manufacturer type: ▼

IP:

Port:

Detailed information

true pictures: 

Desc:

Save **Cancel**

Figure 2- 7

Step 4. Click on save.

3. Basic Config

3.1. Login

After device boots up, you can see login interface as in Figure 3- 1. Input username, password, and click on login.

Note:

Digital VTS's initial username and password are admin and 123456. Please change your password after first login.

If new user is created, you may login via new username and password. To add new user or change password, please refer to settings>project>user management.

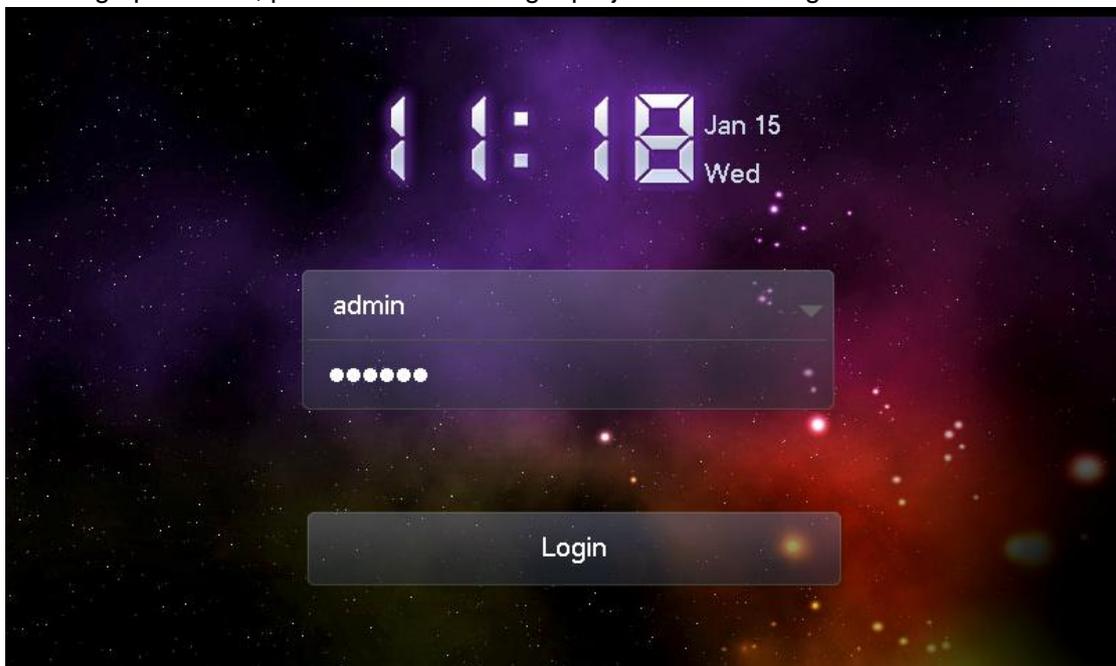


Figure 3- 1

3.2. Monitoring

Please refer to Ch 4.2.

3.3. Call

In call interface, there are two tabs as dial and records.

Dial

Please refer to Ch 4.1.

Records

In records interface, you can view missed call, accepted call and dialed call.

Double click on a record to call (cannot call VTO).

Note:

 in  icon means there is missed call.  icon in record interface means there is unread record.

3.4. Settings

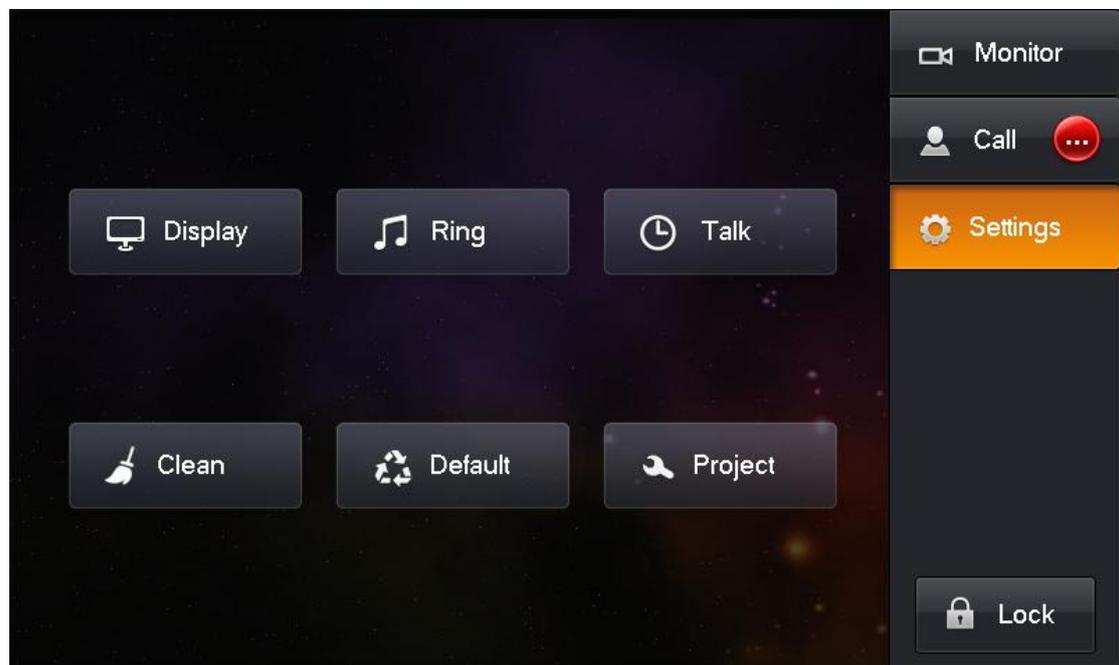


Figure 3- 2

Display

Adjust display brightness, 1~9 levels. Level 9 is the highest brightness.

Adjust screensaver waiting time to 1m, 2m, 5m, 10m, 15m, 30m and never.

Note:

For example, when screensaver is 5m and you have left the device idle for 5m, screensaver will be enabled. You have to login again to use the device.

Ring

Set incoming ring, touch sound and adjust ring volume (including touch sound and speaker).

Talk

Set ring time at VTO, ring time at VTH, VTO talk time, VTH talk time and monitoring time.

Clean Touch Screen

After screen is locked, you can clean screen. Press unlock button to return.

Default

Please refer to Ch 4.4.

Project

You need password to enter project. Initial password is 002236. Please refer to Ch 2.2.

Select project>user management to add user.

For restoring default settings, please refer to Ch 4.3.

4. Basic Functions

4.1. Call Function

- You can press speaker button to use speaker instead of handset during a call.
- You can talk via handset by picking up handset instead of using speaker or MIC.

VTS Calls VTH

Step 1. Pick up handset, system will automatically go to dial.

Step 2. Press speaker, system will automatically go to dial.

Step 3. Press call tab, select dial to go to dial.

In dial interface, input room of resident and press  call button to call VTH of the resident.

You must enter room number in the following format as in Figure 4- 1.



Figure 4- 1

VTH Calls VTS

Resident can call VTS via  button on VTH. And VTS can accept the call or hand up.

See Figure 4- 2.

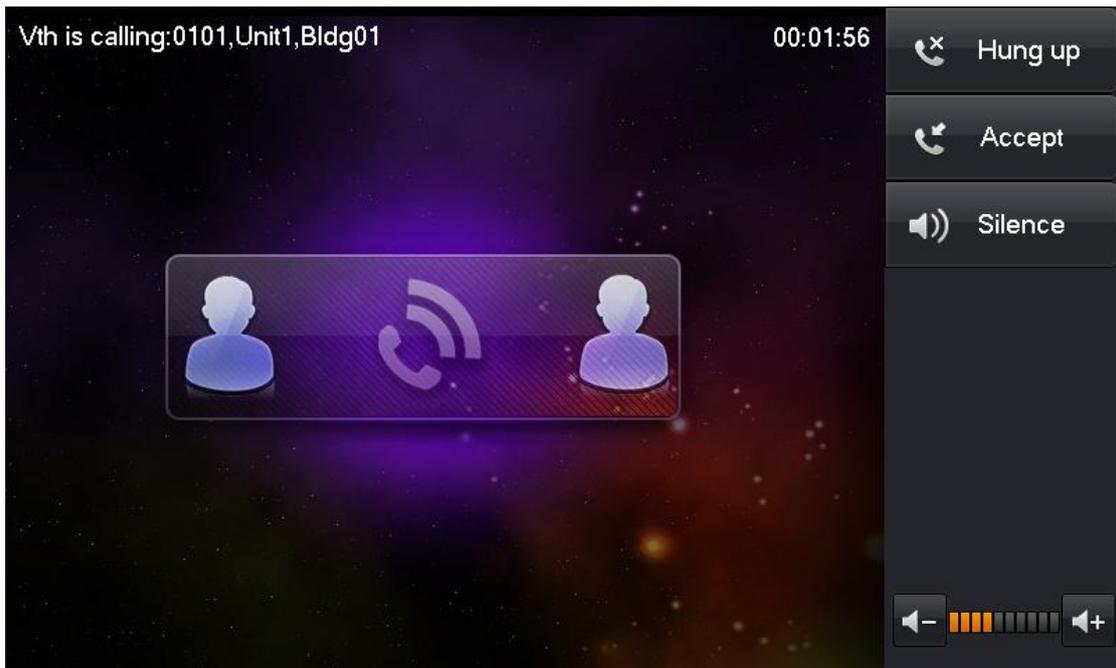


Figure 4- 2

VTO Calls VTS

On VTO, press  button to call VTS. And VTS can accept the call or hand up. See Figure 4- 3.



Figure 4- 3

4.2. Monitoring Function

In monitoring interface, you can see added VTO, IP camera, fence station as in Figure 4-4.

According to building, unit and station, VTO has three sub-menus. User can use the sub-menu to locate designated VTO and press it to monitor. See Figure 4-5.

 represents at least one of VTOs, IPCs, fence stations and VTSSs is disconnected.

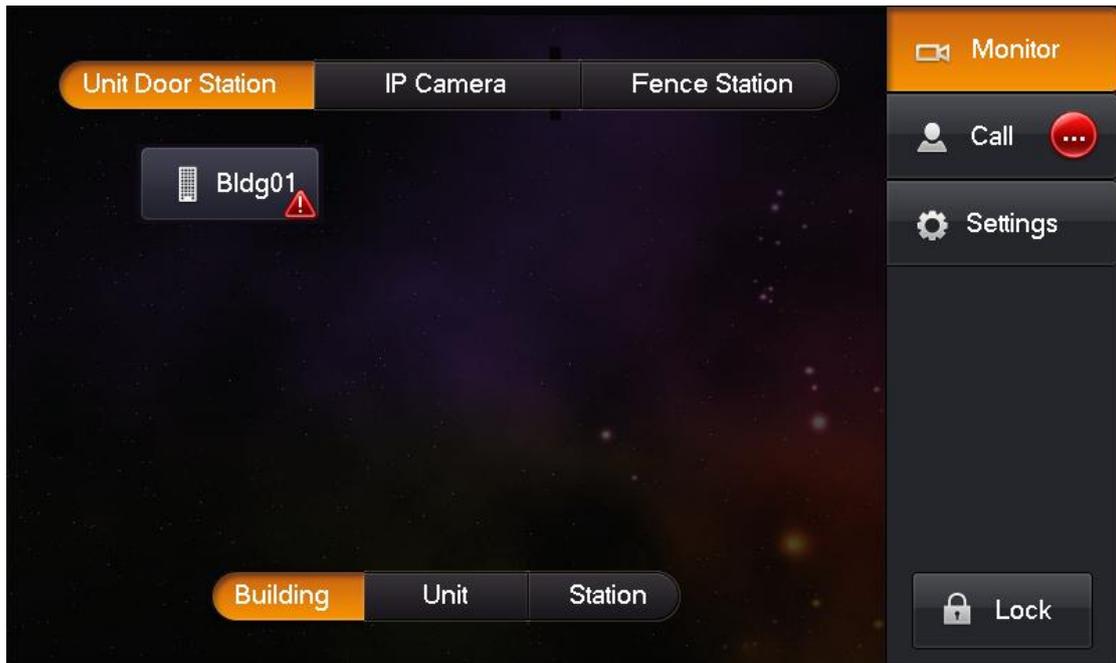


Figure 4-4



Figure 4-5

Note:

If there is more than one VTO in a unit of building, press last channel, next channel to switch.

4.3. Unlocking Function

When VTA is monitoring, called, you can press unlock button to unlock.

4.4. Default

In settings interface, there is a default function which varies from default function in project interface.

- In settings interface, default function restores display setup, ring setup and talk setup to default.
- In project interface, default function restores all settings of project to default.

Appendix 1 Technical Specifications

Audio	
Talk	Support bidirectional talk
Call	Speaker or handset
Video	
Screen Size	Color 7" TFT LCD
Resolution	800*480
General	
Power	DC 12V
Power Consumption	Standby 1W, max 7W
Working Environment	Temperature: -5°C~50°C Humidity: 20~80%RH

Appendix 2 Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	○	○	○	○	○	○
Device Case	○	○	○	○	○	○
Wire and Cable	○	○	○	○	○	○
Packing Components	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note:

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