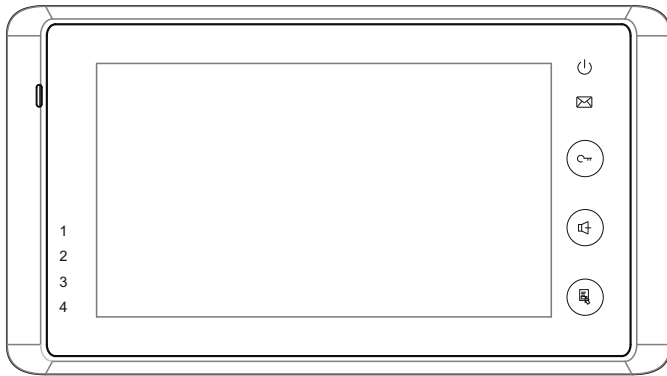


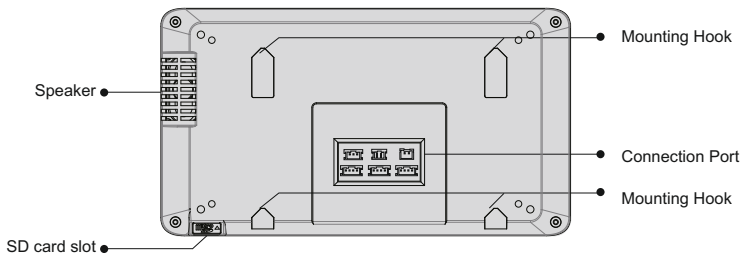
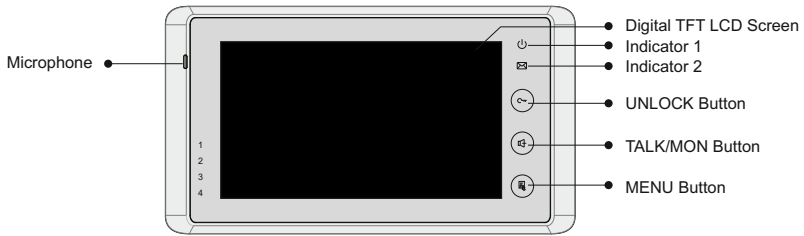
4 Wire Video Intercom System

PM-473TMD



Read this manual carefully before using the product, and keep it well for future use.

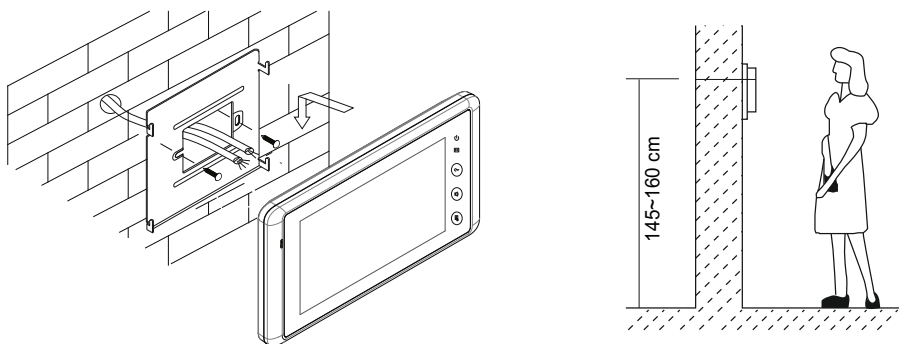
1. Parts and Functions



Key functions

LCD screen	Display the visitors' image
Indicator1	Show the working status of monitor
Indicator2	Light on when the recorded pictures have not been viewed
Unlock button	Press to release the door
Talk/Mon button	Press to communicate hands free with visitor
	Press to view the outdoor condition in standby mode
	Press to turn off staircase light, refer to part 3
Menu button	Press twice to open the menu shortcuts.
Microphone	Receive voice from the user
Mounting hook	Use to hang up the monitor
Connection port	Bus terminal
Speaker	Send out voice from the visitor

2. Monitor Mounting



Accessory fittings:

- 1) Mounting Bracket and special 4 core wire
- 2) Two screws of 4X25 are used to fasten the Mounting Bracket on the wall.

Installation steps:

- Installation Height for indoor monitor usually is 145- 160CM (refer to sketch map)
- Attach the screws to the wall to fix the mounting bracket.
- Refer to the system connection section of this manual, connect wires correctly.
- Hang the monitor firmly on the bracket.

3. About Main Menu

The Main Menu is your starting point for using all the applications on your monitor. To open the Main Menu page, tap either "Menu" key twice on the monitor or press the screen anywhere twice.

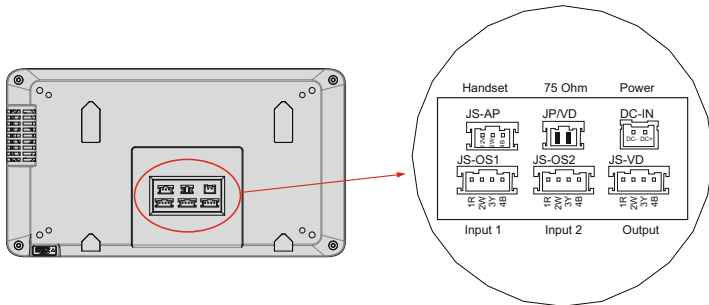


☀: This icon will be displayed when the staircase light item is light on if the system connect PA-RLC module which control light. otherwise, it won't be displayed. Touching this icon or pressing \uparrow -TALK/MON button can turn off the light.

☑: This icon will be displayed when the recorded pictures have not been viewed, touching this icon can see the recorded pictures.

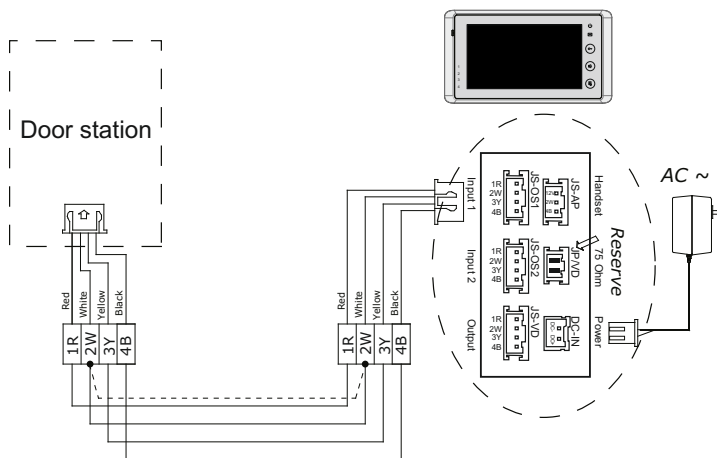
4. System Wiring

Terminal Discription

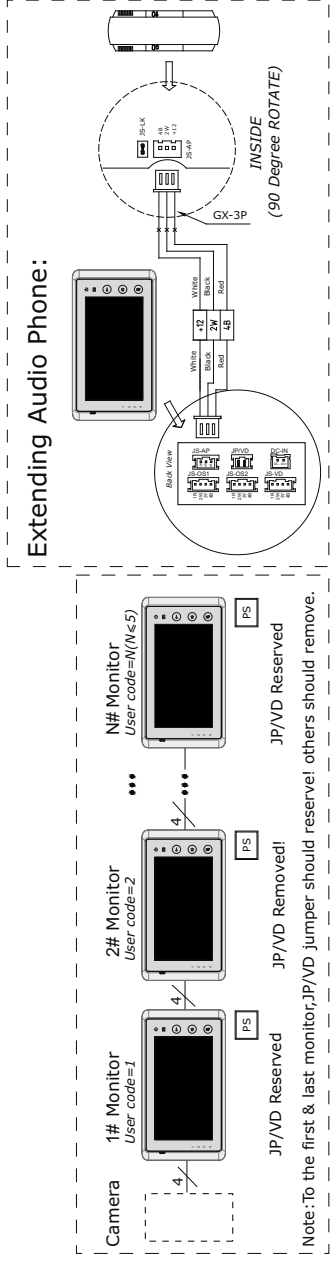
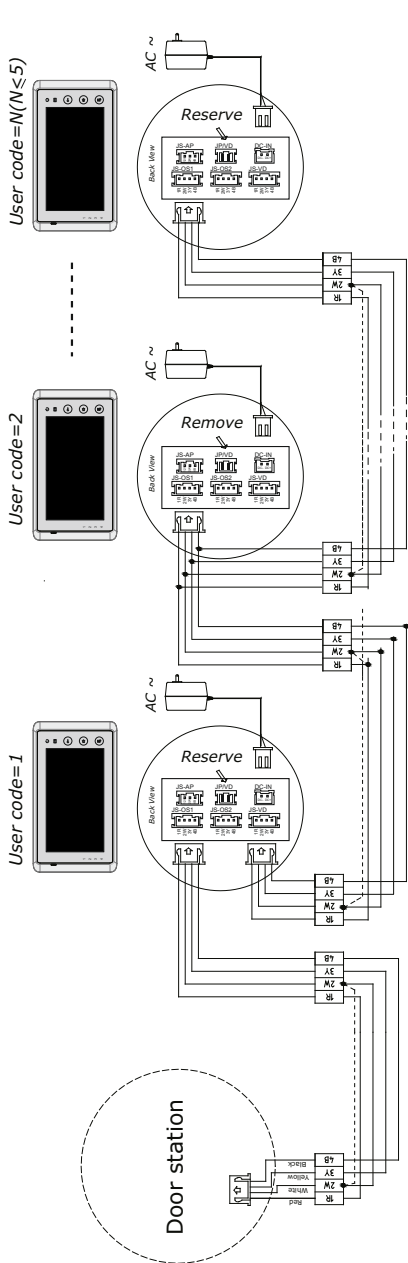


- 1) DC-IN: Power supply connection port
- 2) JP/VD: JP/VD is used for setting the video impedance.
- 3) JS-AP: Audio phone or PA connection port
- 4) JS-OS1: The first door station connection port
- 5) JS-OS2: The second door station connection port
- 6) JS/VD: Extended slave monitor connection port

Basic Connection

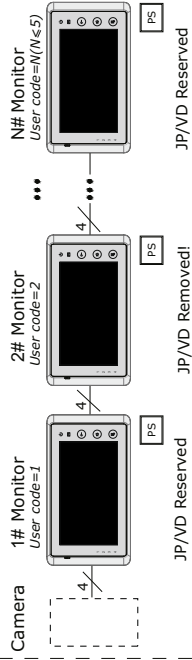


Extending Monitors

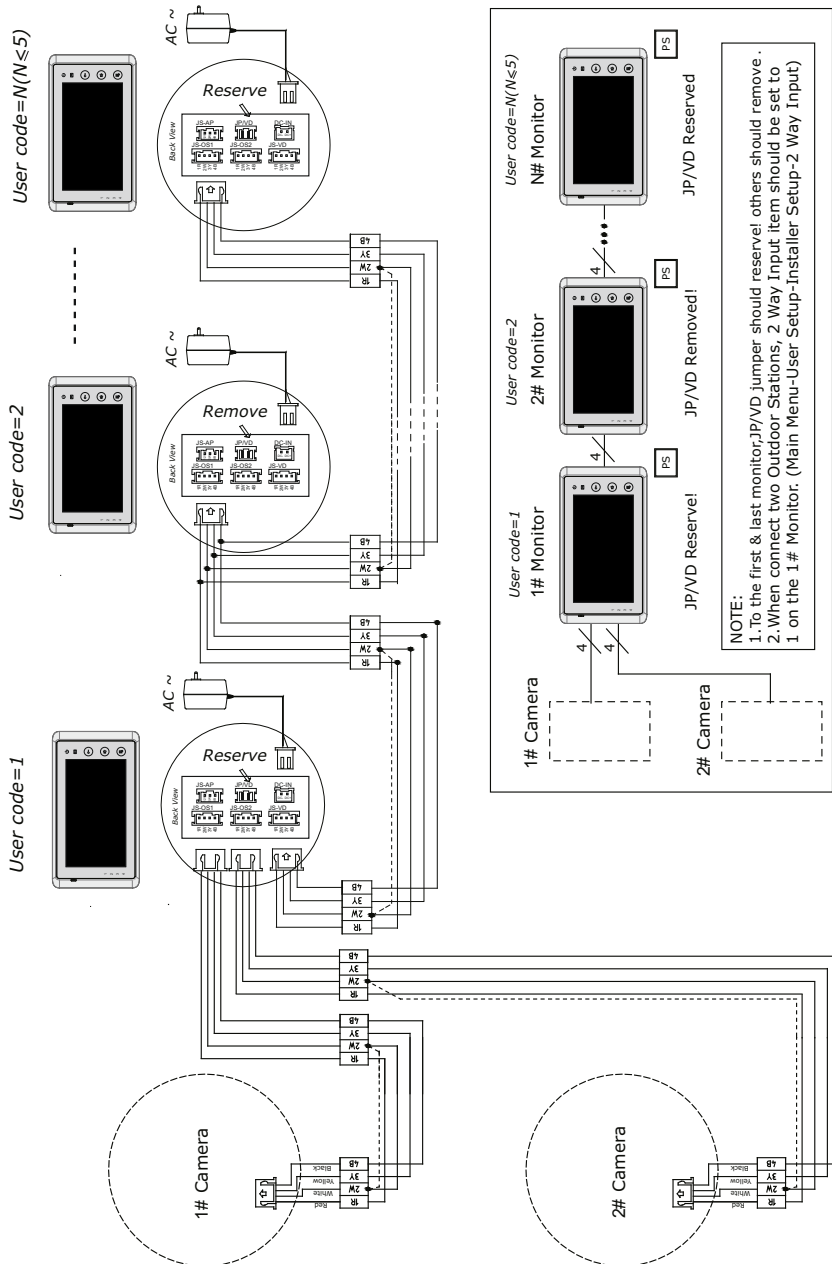


Extending Audio Phone:

Note: To the first & last monitor, JP/VD jumper should reserve! others should remove.

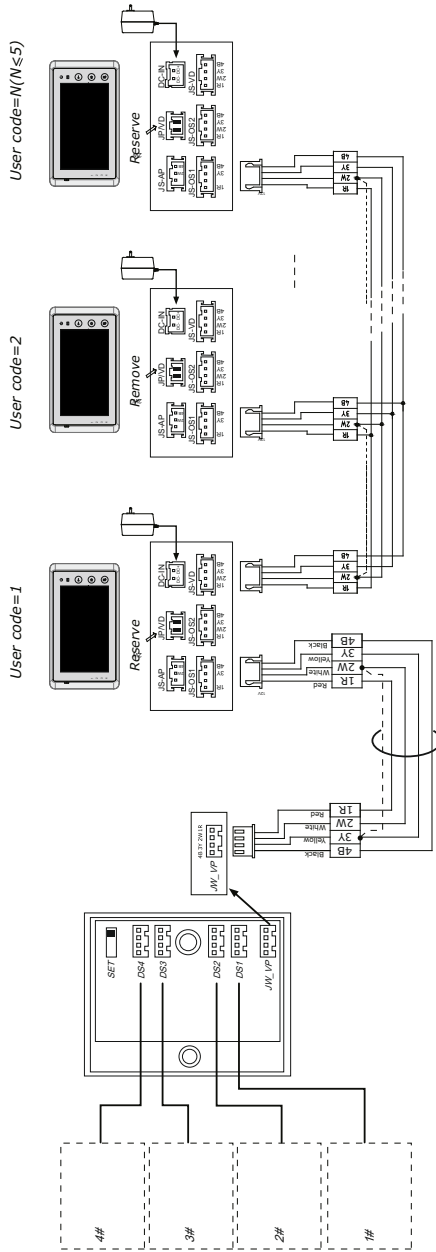


Extending 2 Outdoor Stations



Extending Multi Door Stations with MDS



About the MDS instructions ,please refer to MDS user manual for more detail informations.



Note: To the first & last monitor, JP/V/D jumper should reserve! others should remove.

5. Basic Door Release Operation

Answering a Door Call



1. Press the **CALL** button on door station.
2. The monitor rings, and the visitor's image will be seen on screen.
Note: the screen turns off after 30 seconds (default) if nobody answers.
3. Press either **TALK/MON** Button on monitor or touch  **Talk** icon on screen, you can communicate hands free with the visitor for 90 seconds (default). After finishing communication, press **TALK/MON** button or touch  **Talk** icon again to end the communication. If the system connects two or more Monitors, pick up any Monitor, the others will be automatically shut off.

- ▶ 1. show the current door station for monitoring.
- ▶ 2. show the waiting time for calling.
- ▶ 3. if the monitor is set to silence mode, this icon will be shown.
- ▶ 4. if the system connects PA-RLC module which controls light, and the **Staircase Light** item is set to 1 or 2 (refer to part 9->**Staircase Light**), this icon will be shown when receiving a call.



Status bar

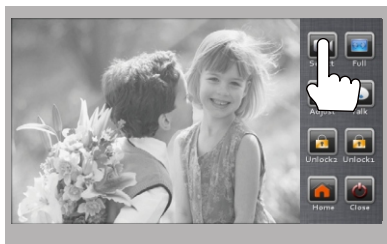


Door Release

During talking state, Press **UNLOCK** Button or touch  **Unlock1** icon to release the door for the visitor. (Note: if the system is connected PA-RLC module which controls lock, touch  **Unlock2** icon to release the second lock connected to RLC, for more information, please refer to VT-RLC user manual.)

Entrance Monitoring

When the monitor is in standby mode, press **TALK/MON** Button (or touch **Monitor ...** item on main menu page), The screen can display the view of outside. If multiple door stations are installed, touch  **Select** icon to get into the camera switch mode (or directly touch  **Manual Monitor** item on main menu page). Select door 1/2/3/4 to monitor the door station or CCTV camera you want. See the following diagrams.



Note:

If the system install PA-QSW module,video quad split monitor is available,see the diagram on right(please note that the quad interface just display when install QSW unit).for more detail information,please refer to VT-QSW user manual.



6. Intercom Function

Intercom can be initiated by any Monitor. Touch **Intercom** or **Inner Call** item on main menu page. Intercom function is activated when multi monitors are installed.

Intercom: press **Intercom** icon on any monitor to enter selective intercom page, see the diagram on right.select one of user,then press **Dial Number** icon to call.If the selected monitor answers the call,intercom talking is strating.



Inner Call: press **Inner Call** icon on any monitor to enter selective intercom page, see the diagram on right.All monitors will ring at the same time,whichever monitor answers the call, conversation is starting.and the other monitors will stop ringing .

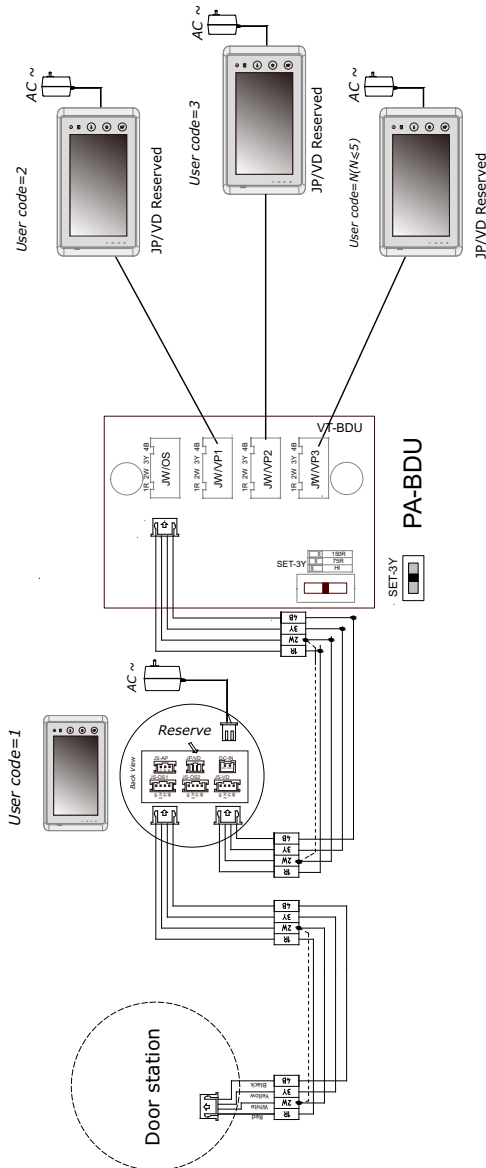


- ▶ “ ! ” means the current operating monitor.
- ▶ “ 🎵 ” means the selected calling monitor.
- ▶ Each monitor is configed one unique user code

7. Memory Sharing

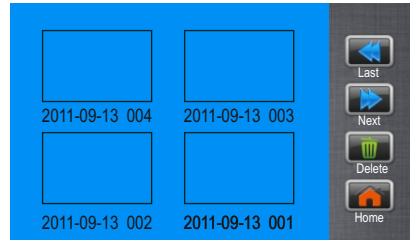
Wiring Diagram for Memory Sharing

About the BDU instructions ,please refer to BDU user manual for more detail informations.



Memory sharing means that the slave monitors(user code=2/3/4/5,refer to part 9->user code) can view the pictures from the master monitor(user code=1,refer to part9->user code),but the master monitor must be with SD card model which has picture memory function.Touch **Memory Playback** icon on main menu page.

- ▶ 4 pictures will be displayed in each memo.
- ▶ The newest pictures will be displayed in the first memo.
- ▶ When the built-in memory is full(max.800 pictures),the oldest picture will be deleted to make room for new record.



Note:the user code of the master monitor must be set to 1,otherwise the memory function is unavailable.

About Picture Memory Recording

You can setup Memo Options to choose 1/4/8 pictures memo. If 4/8 was chosen, you will have 4/8 shots for each recording operation, every 1.5 seconds catch a picture. Please refer to part 9->Picture Memory.

8. Album Playback(for SD card model only)

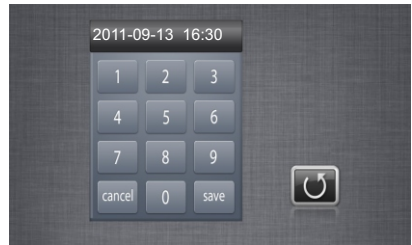
Touch **Album** on main menu page to play photos(must plug in SD card).it can be played automatically or manually by using your fingers to slide right or left on screen to play last or next photo.To finish the ablum playing,please touch the screen and hold for 2 seconds or touch "☰ Menu" key.

Playing time setting

You can set the maxmum album playing time,range from 1~999 minutes. Please refer to part 9->Album Playback.

Date and Time Setting

There are two formats for date and time display, refer to part 9->date/time format. Touch **User Setup** ->>**Calendar**. use "cancel" key to select the setting item. After finishing, touch "save" key to perform the setting.



Day Time Setting

The day time setting is used to distinguish the day ring volume and night ring volume.07:00 AM~18:00 PM is the default day time .Touch **User Setup** ->>**Day Time**. Use "cancel" key to select the setting item. After finishing, touch "save" key to perform the setting.




Restore to Default

Touch **User Setup** ->> **Restore to default** ,a message will be asked to confirm the restore operation. touch **Restore to default** icon again ,All settings will be restored to default except **Calendar** item.



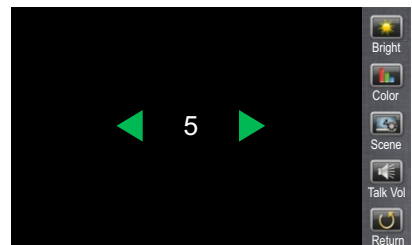
Screen Setting

During monitoring or talking state, touch  **Adjust** icon,the Adjust page will be displayed.

The first item is **Scene** mode selection: Total 4 screen modes can be selected in sequence: **Normal, User, Soft and Bright**.



The **Brightness** and **Color** item is for the image quality setting.

The **Talk Volume** item is for talking volume adjustment.



9. Basic Setup Instructions

Ring Tone Settings

Touch **User Setup** item on main menu page to enter setup page. Select **Master Call Tone**, **Slaver Call Tone** or **Intercom Call Tone** item, There are 12 pieces ring tones can be selected. touch a ring tone you want, then touch  icon to save and return last page. but if you don't want to save the settings, touch  icon to exit.

Master Call Tone: set the ring tone calling from master door station which is connected to JS/OS1 terminal of monitor.

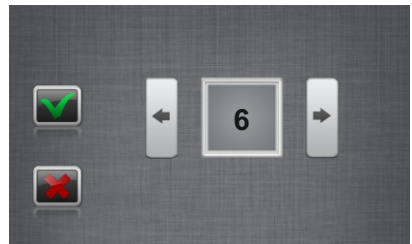
Slaver Call Tone: set the ring tone calling from slaver door station (Door 2/3/4).

Intercom Call Tone: set the ring tone calling from intercom call or inner call.


Ring Volume and Night Ring Volume Setting

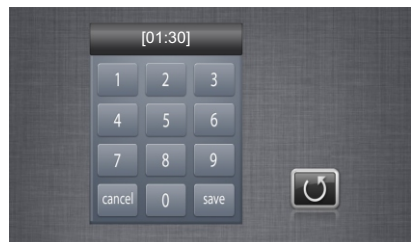
You can set a ring volume for day time and night time individually, 07:00 AM~18:00 PM is the day time by default, but the day time can be modified at any time by yourself (refer to Day time setting section for more detail information).

Touch **User Setup** item on main menu page to enter setup page, select **Ring Volume** or **Night Ring Volume** to set a appropriate value. if you don't want to be disturbed at night, you can set the night ring volume to 0.



Monitor Time Setting

Touch **User Setup** ->> **Monitor Time**. A digital keypad will be shown on screen, input the monitor time by touching the digital keypad, range from 00:30 ~ 59:59. use "cancel" key to select the setting item. After finishing, touch "save" key to perform the setting. (touch  icon to return last page.)



10. Monitor Parameter Setting

Touch **User Setup** ->>**Installer Setup**, total 16 setting items will be displayed on screen. Just input the corresponding value by touching the digital keypad to modify the setting.

Item	Description	Default value
Time Format	2 formats can be selected.[0]:24 hours format;[1]:12 hours format.	0
Date Format	2 formats can be selected.[0]:day/month/year format;[1]:month/day/year format.	0
Language	If this item show 1-1(standard model),it means that the monitor support one language,you can customize any one language you want.If this item show 2-1 or 2-2(customized),it means that the monitor support two languages.	one
User Code	Used to set the monitor code,[1]:master monitor;[2] the first slave monitor;[3]the second slave monitor;[4] the third slave monitor;[5] the fourth slave monitor	1
2 Way Input	If the terminal of JS/OS2 on monitor is used to extend the additional door station,please set this item to 1(on),otherwise,set to 0(off).(refer to part 4(system wiring->extending 2 outdoor station))	0
Unlock Timing	Range from 0~9s.	3s
Unlock Auto Off	Range from 0~9s,the monitor will be closed in setting time after releasing the door.	0
Calling Timing	The first value is calling waiting time.the second value is talking time.The setting range for these two values are from 03-60,please note that the calling time is setting value multiply ten.For example,the setting value is 03,the calling time is 30s	calling waiting time:30s talking time:90s

Item	Description	Default value
Remote Control	Used to add the remote controller or delete remote controller,[0]:delete remote control;[1]:add remote control.	0
Staircase Light	staircase light can be set.[0]:don't light on at any time when receive calling;[1]:light on at night only when receive calling;[2]light on at any time when receive calling.Note that this item should be set on master monitor(user code=1),for slave monitors,this item is invalid.	0
BDU installed	Range from 0~1.when the system install VT-BDU module,this item must set to 1.	0
Picture Memory	Set the numbers for capture pictures, only 1/4/8 can be set.Note that this item should be set on master monitor(user code=1),for slave monitors,this item is invalid.	1
Album Playback	Set the max. playing time for album,range frome 1~999 minutes.	10 mins
Recover Settings...	Restore parameter settings to default value,touch Recover Settings icon,an information of "Y/N" will be asked,touch Recover Settings icon again,restore setting will be performed immediatly. Please note that the recover setting will not change time format,date format and user code item.	-
Online Search...	Search the devices connected to the system	-
Back	Return last page	-

11. Specification

- Power Supply: DC16-24V
- Power Consumption: standby 1.2W,working 8W
- Monitor Screen: 7 inch digital TFT
- Display Resolution: 800*3(RGB)*480 pixels
- Built-in Memory: 120 MB
- Picture Memo: 800pcs(inner memory),
>30000pcs(2G SD card)
- Wiring: 4 wires, polarity
- Monitor time: 30 seconds(default)
- Talking time: 90 seconds(default)
- Dimensions: 125(H)×225(W)×23(D)mm