2 WIRE SYSTEM

FVI-6020 & FVI-6030

VIDEO DOOR PHONE SYSTEM

USER MANUAL

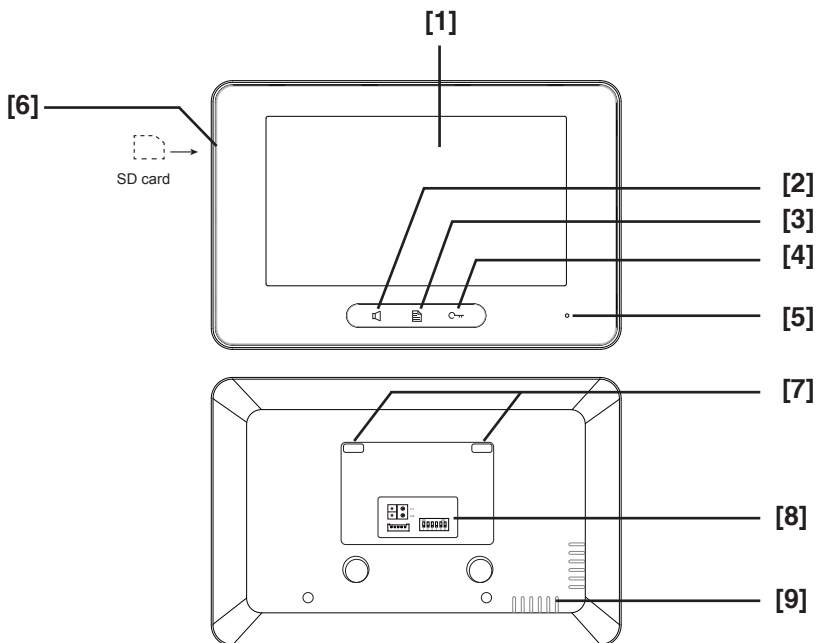FVI-6013MEM   FVI-6016KP   FVI-6016KP-F

- Please read this manual carefully before using the product you purchase, and keep it well for future use.

- Please note that images and sketch maps in this manual may be different from the actual product.

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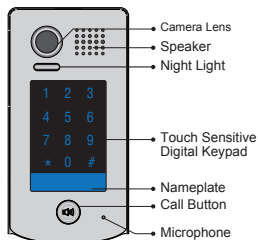
PRECAUTIONS

- 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 or over a radiator or heat register and should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

- All parts should be protected from violence vibration. And not allow to be impacted, knocked and dropped.

- To clean the LCD screen, using hands or wet cloth is forbidden.

- Please do the cleanness with soft cotton cloth, please do not use the organic or chemical detergent. If necessary, please use pure water or dilute soap water to clean the 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 away the video door monitor from wet, high temperature, dust, and caustic and oxidation gas in order to avoid any unpredictable damage.

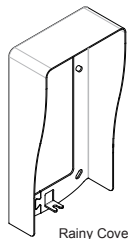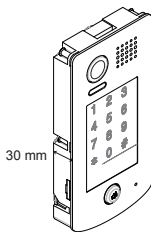- Do not open the device in any condition, call the administrator for help if there is any problem.

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f. 61 2 9700 1955
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Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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Front panel

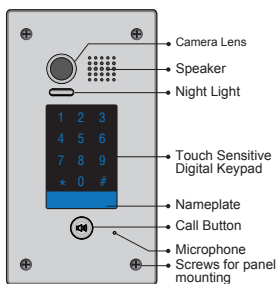

Key functions

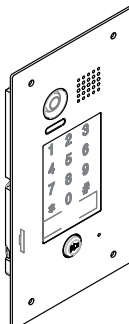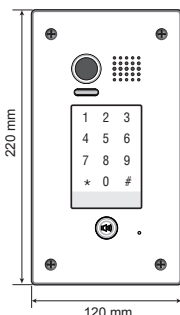| NO.	Item	Description
[1]	Digital LCD touch screen	• See the next page for details • Display the visitors' image
[2]	Talk/Mon button	• Press to communicate hands free with visitor • Press to view the outdoor condition in standby mode
[3]	Menu button	Press to open main menu in shortcut
[4]	Unlock button	Press to release the door
[5]	Microphone	Transmit audio from one station to other stations
[6]	SD card slot	Use to insert micro-SD card
[7]	Mounting hook	Use to hang up the monitor
[8]	Connection port	Bus terminal
[9]	Speaker	Send out sounds of ring tones,audios and alarms

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f. 61 2 9700 1955
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Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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-3-

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- Camera Lens
- Speaker
- Night Light
- Touch Sensitive Digital Keypad
- Nameplate
- Call Button
- Microphone

FVI-6016KP

182 mm
93 mm
30 mm

Rainy Cover

- Camera Lens
- Speaker
- Night Light
- Touch Sensitive Digital Keypad
- Nameplate
- Call Button
- Microphone
- Screws for panel mounting

FVI-6016KP-F

220 mm
120 mm
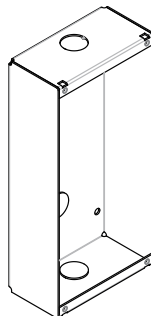
Side View

Mounting box

Terminal description

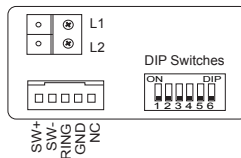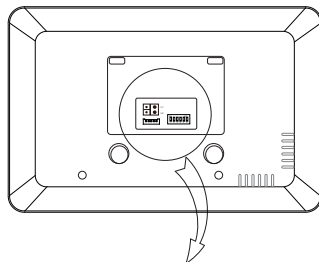**L1,L2:** Bus line terminal.

SW+,SW-: Extra door bell call button connection port.

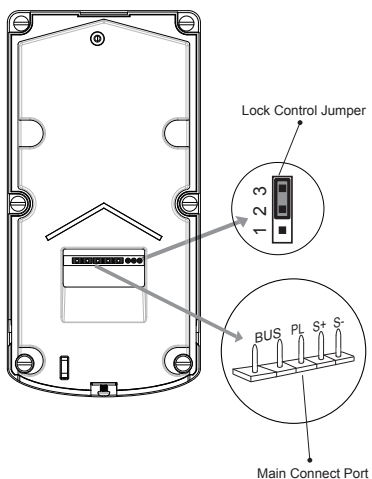**Ring,GND:** Extra buzzer connection port.

NC: Undefined.

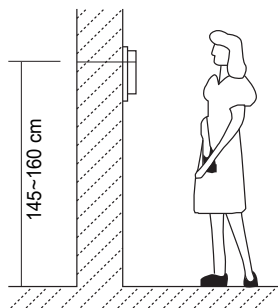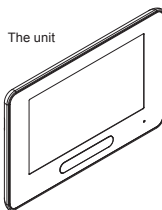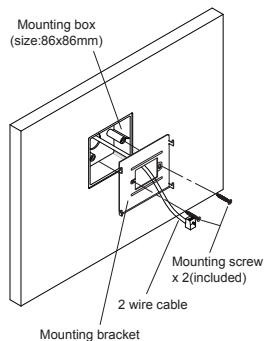**DIP switches:** Total 6 bits can be configured.

- **Bit1~Bit5:** User Code setting.

- **Bit6:** Set to **ON** if the monitor is at the end of the line or works with DBC4A. Otherwise, set to **OFF**.

L1
L2
DIP Switches
SW+ SW- RING GND NC
ON DIP
1 2 3 4 5 6

- **Lock Control Jumper:** To select the lock type.

- **Main Connect Port:** To connect the bus line and the electronic locks.
- BUS: Connect to the bus line, no polarity.
- PL: External lock power input, connect to the power positive(power +).
- S+: Lock power(+) output.
- S-: Lock power(-) output, connect to the power(-) input of locks(only when using the door station to power the locks, if using the external power supply for the locks, the S- will not be connected).

Lock Control Jumper

BUS PL S+ S-

Main Connect Port

Mounting

Mounting box
(size:86x86mm)

The unit

Mounting screw
x 2(included)

2 wire cable

Mounting bracket

145~160 cm

The installation height is suggested to 145~160cm.

1. Use screws to fasten the mounting bracket to the wall with mounting box.

2. Connect the 2 wire cables to the unit.

3. Mount the unit to the mounting bracket, make sure the unit is absolutely attached to the mounting bracket.

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f. 61 2 9700 1955
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Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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p. 61 3 9314 2220
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FVI-6016KP Mounting

① Drill holes in the wall to match the size of screws and attach the rainy cover to the wall.

② Connect the cable correctly

③ Attach the panel to the rainy cover

④ Use the screwdriver and the screw to fix the panel

-6-

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f. 61 2 9700 1955
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Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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FVI-6016KP-F Mounting

① Drill a hole in the wall to match the size of the mounting box and attach to the wall.

② Connect the cable correctly

③ Attach the panel to the mounting box and use screws supplied to fix the panel
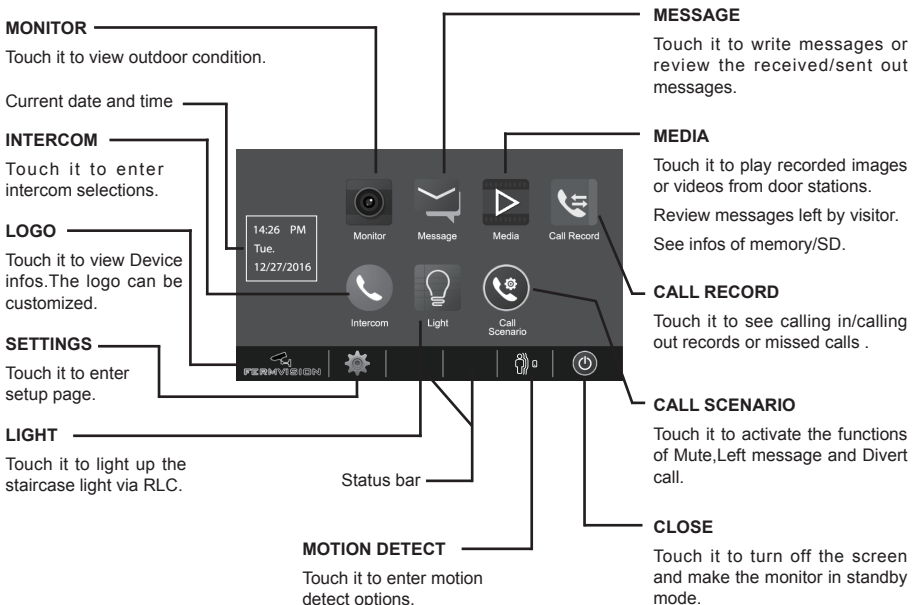
④

Placing Name Label

Use a screwdriver to unscrew the screw, and cock the host , then Placing Name Label.
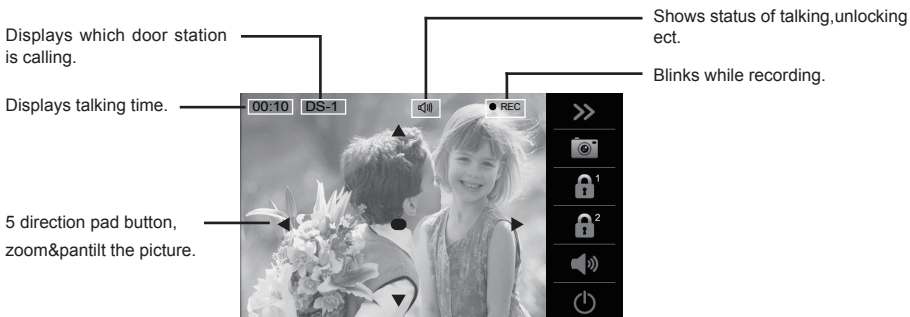
Screen

Main Menu

The Main menu is your starting point for using all the applications on your monitor. You can customize your Main menu to display your logo.

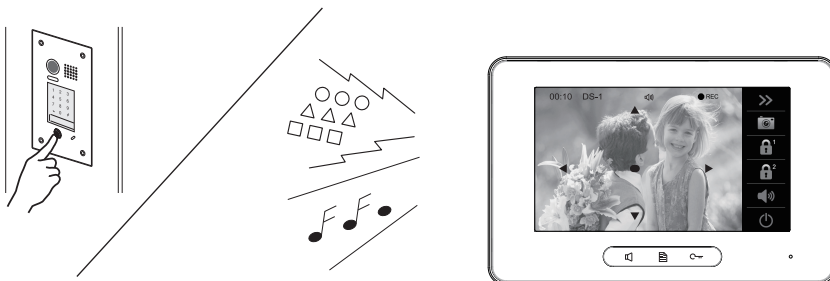Touch anywhere of the screen on monitor in standby mode, the Main menu will appear as follow:

MONITOR
Touch it to view outdoor condition.

Current date and time

INTERCOM
Touch it to enter intercom selections.

LOGO
Touch it to view Device infos.The logo can be customized.

SETTINGS
Touch it to enter setup page.

LIGHT
Touch it to light up the staircase light via RLC.

MESSAGE
Touch it to write messages or review the received/sent out messages.

MEDIA
Touch it to play recorded images or videos from door stations.
Review messages left by visitor.
See infos of memory/SD.

CALL RECORD
Touch it to see calling in/calling out records or missed calls .

CALL SCENARIO
Touch it to activate the functions of Mute,Left message and Divert call.

CLOSE
Touch it to turn off the screen and make the monitor in standby mode.

14:26 PM
Tue.
12/27/2016

Monitor Message Media Call Record
Intercom Light Call Scenario
FERMVISION

Status bar

MOTION DETECT
Touch it to enter motion detect options.

While talking with a door station

Displays which door station is calling.

Displays talking time.

5 direction pad button, zoom&pantilt the picture.

Shows status of talking,unlocking ect.

Blinks while recording.

00:10 DS-1   REC

Note: The 5 direction pad operation should make effective with **fish-eye** door station.

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Answering a call

- When there is a call from a video door station.The call tone sounds, an image will be displayed on the screen.

- Touch 🔊 icon on screen or press 🔊 **TALK/MON** button on the panel, begin communicating hands free with the visitor for 90 seconds.

- While communicating with the visitor, unlock the door, capture images/videos and adjust screen&volume are available. More details,please refer to the following descriptions.

Note: 1.If nobody answers the phone, the screen will be turned off automatically after 40 seconds.

2.The 5 direction pad operation should make effective with **fish-eye** door station.

Monitoring cameras while being called/talking

It's available to select cameras to monitor while being called.

Max.16 cameras can be selected to monitor, 4 cameras is default.

Follow the steps:

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p. 61 2 9700 1700
f. 61 2 9700 1955
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U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
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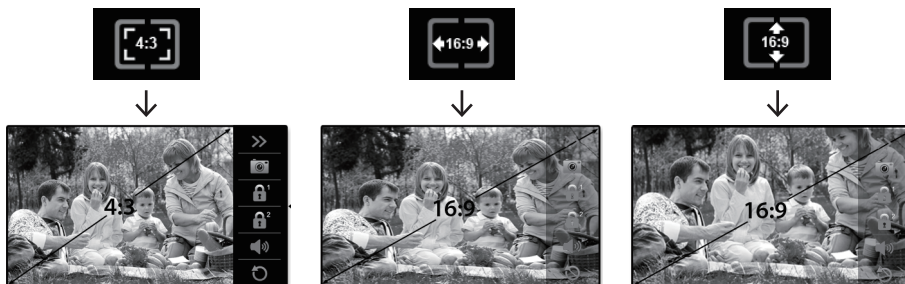wa@fermaxaus.com.au

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-9-

Adjusting image scale while being called/talking

It's available to adjust image scale while being called. Total 3 image modes can be selected.

Follow the steps:

Compare the difference of these 3 image modes:

To complete communication

- Touch ⏻ icon on screen or ◁ **TALK/MON** button on the panel to complete the communication.

Note: Communication also ends automatically after 90 seconds.

1.Receiving a call while talking with a door station

- Other door stations calling is forbidden

- Conclude current talking to answer the new call-in

2.Receiving a call while talking with other monitors

- The talking will stop immediately, call tone sounds in normal.

- The video image from the door station is displayed on the screen, talking,unlock,capture images/videos, adjust screen&volume are available.

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Pan-tilt & Zoom

It is available to adjust the display mode for viewing images at a **fish-eye** door station by using the 5 direction pad button.
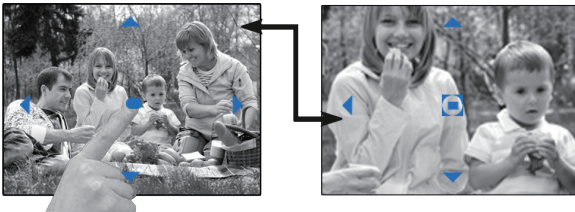
When an image at a door station is displayed,move to the desired position by touching ▲ ▼ ⬤ ◀ ▶ on the screen to view the image in zoom mode.
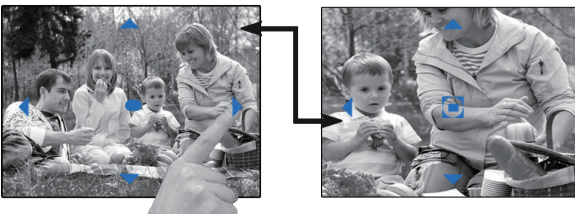
Note:

1.The zoom&pantilt function should make effective with fish eye door station.

2.The edge of pantilt image will not be displayed.

Here are some examples:

• Touch ⬤ icon to zoom the center position.

• Touch ▶ icon to zoom the right position.

Adjusting screen&volume

While receiving a call from door station, or monitoring /communicating with the visitor,you can adjust the screen and speaker volume. Follow the steps:

Adjusting images

Total 4 scene modes can be selected in sequence:**Normal, Brightly, Soft and User**.Whichever mode you choose, there will be a corresponding value for contrast,brightness and color.

You should know that the contrast,brightness and color can be modified freely, but this action should be at the **User** scene mode.

Adjust the contrast of the screen,the range is 0~9. Touch **-** or **+** to change the level.

Adjust the brightness of the screen ,the range is 0~9. Touch **-** or **+** to change the level.

Adjust the color of the screen,the range is 0~9. Touch **-** or **+** to change the level.

Note: The adjustments have no effect on the recorded images.

Adjusting the speaker volume

Volume can be adjusted at any time.

Adjusting range: 0 (mute), 1 - 9.

Touch **-** or **+** to reach desired level.

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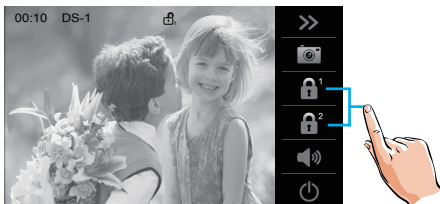
Door release

It is available to release the door during a call-in, communication,or while monitoring a door station.

Touch either [🔓¹] or [🔓²] icon on the screen or press ⌒ᴛᴛ **UNLOCK** button on the the panel to release door. The door lock is released for the set door release time.

(if two locks are connected to door station, touch [🔓²] icon to release the second lock.)

Calling other monitors

It is available to call between monitors in the same room or in the same system,or call the Guard Monitor.Follow the steps to activate the functions:
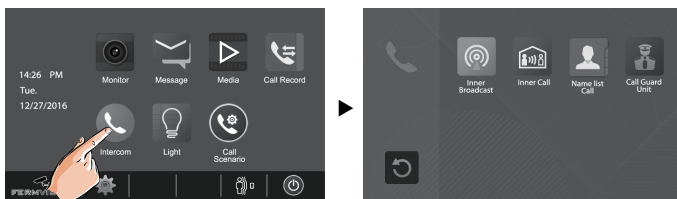
Calling monitors in the same room

1. Touch **[Inner Broadcast]** icon on one of monitor, all other monitors in the same room can automatically receive messages without answering the call. Note that all other monitors will not open the screens.

2.Touch **[Inner Call]** icon on one of monitor, all other monitors in the same room will ring at the same time,whichever monitor answers the call, conversation is started, other monitors will stop ringing at once.(Calling ends automatically after 30 seconds if nobody answers the call)

* Use " [◁+] " or " [◁-] " to adjust the microphone volume.
* Touch [⏻] icon to end the calling.

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p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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Calling other monitors in the same system

Touch **[Name list Call]** icon on monitor, the users in the same system will be displayed. Just select one target, touch 📞 icon to call the corresponding user. If the call is answered, conversation is activated.

Name List	
[01]	Jim. Zhang
[02]	Calo. Liu
[03]	Jacko. Zhang
[04]	Philips. Chen
[05]	Hebe. Zhang
[06]	Tony. Li
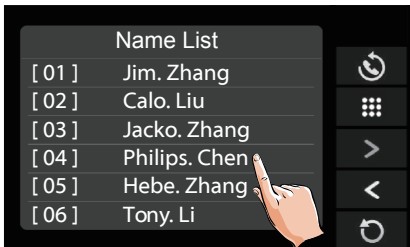
Note:

* Use " **<** " or " **>** " to scroll pages.

* Touch " ⠿ " to rename.

* Touch " 📞 " to redial when the icon is on the screen.

* Calling ends automatically after 30 seconds if nobody answers the call.

Calling the guard monitor

A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started..

Monitoring

You can monitor the entrance at any time via the monitor.

1. Touch anywhere of the screen on monitor in standby mode.

2. Touch **[MONITOR]** icon on main menu page to enter **Monitor select** page.

*Note: Press 🔊 **TALK/MON** button on the panel in standby mode to monitor the master door station in shortcut.

Monitoring door stations/cameras:

• DS1~4 and CAM1~4 can be selected to monitor individually if the system install multi door stations/cameras. See the following steps:
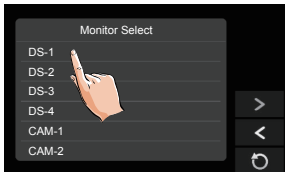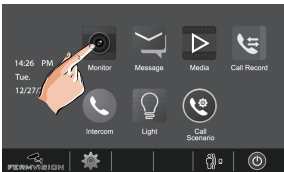
* During monitoring, images can be viewed, but audio cannot be heard.

* If there is a visitor at the entrance, touch 🔊 icon on screen to begin communication with door station.

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Video Quad Monitoring:

If the system installs multi cameras via QSW. **Video quad monitoring** is available.

- On **Monitor select** page, touch " **>** " icon to scroll next page.

- Select "**QUAD-1**" item to activate video quad monitoring, see the following steps:
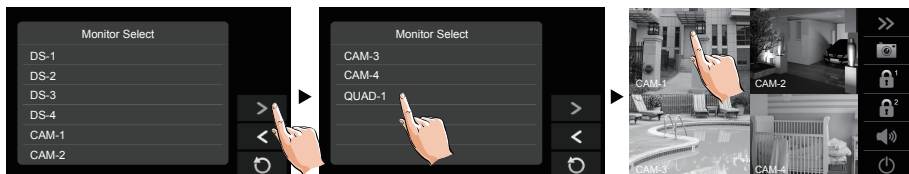
* During monitoring, manual recording is available.

* Touch each one of video to switch to monitor the corresponding camera Independently.

3.To end monitoring

Touch ⟳ icon on the screen or press ◁ **TALK/MON** button on the panel.

* Monitoring also ends automatically after 30 seconds.

Available functions during monitoring(not including video quad monitoring)

• Pantilt & zoom

• Adjusting images(image scale/bright/color/contrast)

• Door release

• Volume control

• Manual recording

Recording

Videos and images are possible to be recorded, both automatic recording and manual recording are available.

Automatic recording

- Recording starts after 3 seconds while receiving a call.

- While recording, " ● REC" blinks on the screen.

- Capture one picture automatically for each calling.

Blinks

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f. 61 2 9700 1955
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Burleigh Heads, QLD. 4220
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p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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-15-

The recorded images are stored in the built-in memory first.

* Max.118 pictures can be stored in inner memory

* If a micro-SD card is installed, images can be copied to SD card.

* Max. 32G Micro SD card is supported.

Note:

* Automatic recording function cannot be cancelled.

* Automatic recording is not available while monitoring a door station. To save images while monitoring, see manual recording below.

Manual recording

While being called,Touch 📷 icon when an image is displayed.

Note:

* Manual recording is available at any time when 📷 icon is on the screen.

* Manual recording is allowed in pantilt & zoom mode.

* Manual recording cannot be performed during automatic recording.

> * If the monitor installed a micro SD card, the recording format is video, and recording time limited is 10s. The videos will be saved on micro SD card directly. Otherwise,the recording format is image.
>
> * A brand new SD card needs to be formatted by the monitor, then it can be used for video & audio recording.

Viewing images/videos

The recorded images/videos can be playback on monitor. Follow the steps:

• On main menu page, touch **[Media]**->**[Graphics Playback]** icon, most recent recordings are displayed (If insert a micro SD card,playback videos.Otherwise,playback images).

• Touch " **<** " or " **>** " to scroll through recordings, touch " 🗑 " to delete current image/ video(Please note that if the recordings are videos, touch " ‖ " icon to start/pause the videos).
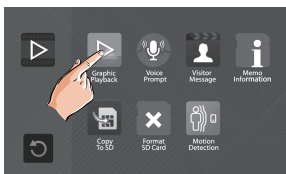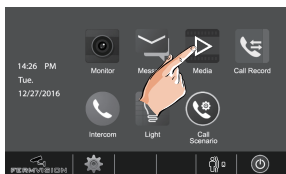
To stop

Touch ⏻ icon on the screen during play.

-16-

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p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au | U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au | PO Box 587
Balcatta. 6914
m. 0438 700 101
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Formating an SD card

Micro-SD cards need to be formatted when using them in this monitor for the first time.

* When formatting an micro-SD card, all existing data on card is erased.

* To **EXPORT RECORDED IMAGES**, refer to following item on this page.

* To **VIEW SD CARD INFO**, on main menu page, touch **Multimedia**->**Memo information**.

1.On main menu page,touch **Multimedia**->**Format SD Card**. A notice message is displayed.

2. Touch ☑ icon to continue with formatting. Touch ↺ icon to cancel formatting.
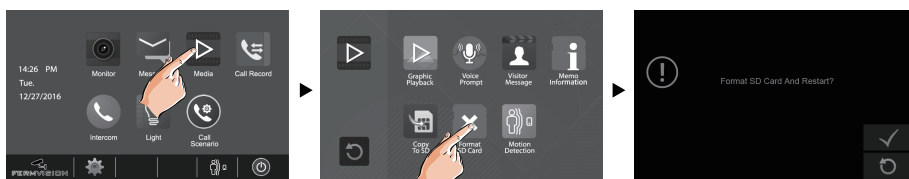
* When a sound beep beep is sent out and a blue screen is displayed, formatting is complete.

* It may take some time until formatting has been complete.

Copying recordings to SD card

You can copy recordings(videos/images) stored in the built-in memory to a SD card.

• On main menu page, touch **[Media]**->**[Copy to SD]**, the information of "Copy Pictures To SD?" will be asked.

• Touch ☑ icon to copy. Touch ↺ icon to cancel.

When copying is completed, "BKUP_PIC" folder is created on the Micro SD card. Copied images are stored with the following file names:

20151119_115125.jpg

Recording Time

Recording Date
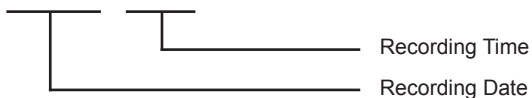
Note:

* This action will overwrite all existing images in the "BKUP_PIC" folder on the micro SD card.

* If the number of images or folders exceed the limit of micro SD card, they cannot be copied.

* The images on the micro SD card cannot be copied into the built-in memory.

* If copied is fail, try to format the SD card on the monitor.

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p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

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U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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-17-

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Leaving messages

This function is very useful when you are away home. Must insert a micro SD card to support this function.

To activate the function, please follow the steps:
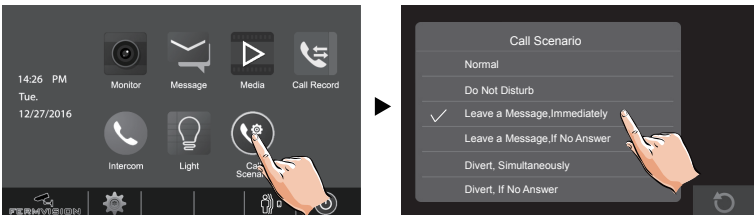
Two modes can be selected.

Leave a Message, Immediately: If you select this mode, when receiving calls from door station, The system will prompt visitor to leave a voice message immediately.

Leave a Message, If No Answer: If you select this mode, door station calls indoor monitor first, if nobody answers the call within 30 seconds, the system will prompt visitor to leave a voice message.

Note:

* The time limited for leaving message is 10s.

* The status bar on main menu page will show " ⌒⌒ " icon.

* Touch [↺] icon on the screen to exit.

Viewing visitor messages

All visitor messages from door stations will be recorded and can be reviewed afterwards. To support this function, the **Call Scenario** mode should be set to "Leave a Message,Immediately" or "Leave a Message,If No Answer". Please refer to the above in detail.

On main menu page, touch [**Multimedia**]->[**Visitor Message**] icon, the most recent visitor's messages are displayed.
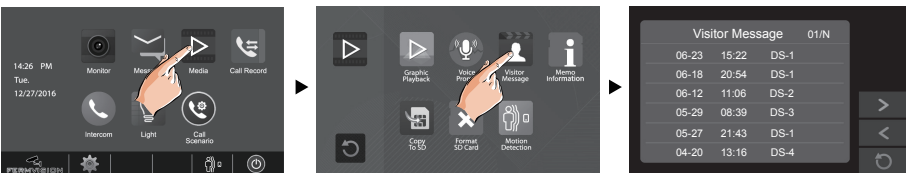
You can review who is visiting at some time.

1. Touch one of the visiting list.

2. Touch ▶ icon to show the caller's image.

Current page

Total page

When touch the item," >> " icon will be displayed.

Visitor Message		01/N
≫ 06-23	15:22	DS-1
06-18		DS-1
06-12		DS-2
05-29	08:39	DS-3
05-27	21:43	DS-1
04-20	13:16	DS-4

▶ — Playback visitor's video&audio

🗑 — Delete the selected recording

> — Scroll to next page

< — Scroll to last page

↺ — Exit

Note:

* Max. 100 messages can be displayed.

* Must insert a SD card to support this function.

Mute function

If you don't want to be disturbed,for example,at night. Activating the mute function is necessary for you.Follow the steps:

Do Not Disturb: If you select this mode, calling from door station or other monitors can not be made effect.

Note:

* This function will perform immediately if selected,and the status bar on main menu page will show " 🔇× " icon.

* Touch ↺ icon on the screen to exit.

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Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

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U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587
Balcatta. 6914
m. 0438 700 101
wa@fermaxaus.com.au

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-19-

Viewing calling records

All calls from door station or other monitors will be recorded and can be reviewed afterwards.

On main menu page, touch[**Call Record**] icon, the most recent call records are displayed.

You can review who is calling at some time.

1. Touch one of the calling list.

2. Touch [▶] icon to show the caller's image.

Note:

* If the arrow display in red, that means the call is missed.

* If the missed calls have been reviewed,the arrow will change to blue.

* If it's blue,that means the call is answered.

* Max. 100 calling records can be displayed

* When the capacity is full,the oldest calling records will be deleted automatically to make room for new records.

Message function

The messages received or sent out can be reviewed on monitor, and you can write messages between monitors.

1.Reviewing received messages:

• On main menu page,touch **[Message]**->**[Inbox]** icon,the most recent received messages will be displayed.

• Select one of the messages to view the contents.

2.Reviewing sent out messages:

• On main menu page,touch **[Message]**->**[Outbox]** icon,the most recent sent out messages will be displayed.

• Select one of the messages to view the contents.

Note:

 It's available to reply messages or delete messages on Inbox/Outbox page.

 Use " **<** " or " **>** " to scroll pages.

Touch ⟳ icon on the screen to exit.

3.Writing a message:

• On main menu page,touch **[Message]**->**[Write a Message]** icon, and then select the sending address.

• Write a message by touching the on-screen keypad.Up to 78 characters can be entered for a message.

• Touch the key " OK " to send the message.

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p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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-21-

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Sending address

Keypad type
abc- Alphabet keypad
123-Number keypad

[02]   abc

Cursor

Edit box

Q W E R T Y U I O P
A S D F G H J K L
⇧ Z X C V B N M ⌫
.?123 , . ␣ ↵ ↰ OK

Switch the keypad between alphabet and numbers

Delete the last character
Press to send the SMS

Space key
Insert a space.
Move the cursor.

Exit current page

Enter key

Opening staircase light

Note: The staircase light should be connected on the system, and this function should be supported by RLC. Please refer to RLC user instruction in detail.

Touch **[Light]** icon on main menu page or touch 💡 icon during monitoring or talking to open the staircase light, the staircase light will be turned off automatically after 60 seconds.
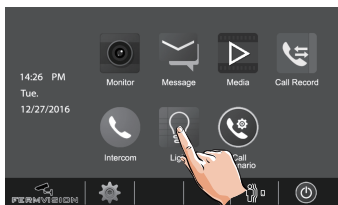
or

*Touch **[Light]** icon again to turn off the light.

*Touch 💡 icon again to turn off the light.

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Motion detect function

This function is available only if the setting of **Motion Detect Enable** is selected.

This function should make effective by door station with motion detection.

Follow the steps:

- **Detection off:** close all motion detections of door station.

- **Detection on:** activate the motion detect function,the door station motion detection should be activated individually.

- **Detection once:** respond motion detect function immediately,the door station motion detection should be activated individually.

Setting door station detection:

The following is taken door station1 for example.

1.On main menu page,touch 👥 icon.

2. Touch DS1 Detection item.(the door station with motion detector should be online)

Should be selected to activate door station1 motion detection

The reaction for door station

(Multiple Choice)

Duration time for motion detection

Save settings and exit

Unsave and exit

The reaction for monitor

(Single Choice)

Increase timing

decrease timing
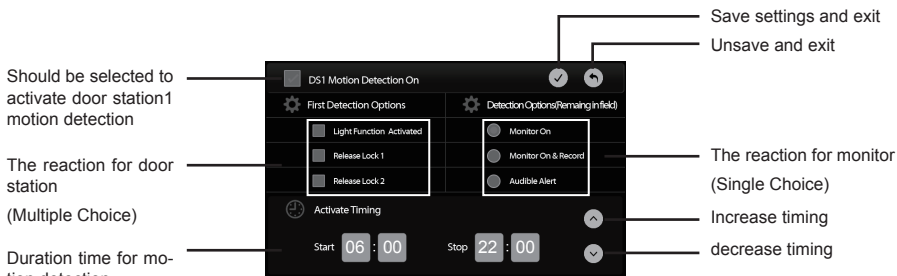
* The detection settings for other door staions are the same as door station1.

*On main menu page, touch [Multimedia]->[Motion Detection] icon, the most recent motion detect records are displayed.

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p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

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U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

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m. 0438 700 101
wa@fermaxaus.com.au

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-23-

Setting date and time

You can correct the current date and time at any time by following the procedure below.

1.On main menu page, touch ⚙ settings icon ->**[Date&Time]**. Or directly touch current date and time area in shortcut to enter **Date&Time** setting page.

2.Touch the setting target of month, date, year, hour,minute and second individually, then touch ⌃ / ⌄ icon to change the value.

3.When the setting has finished, touch ⟨✓⟩ to save the settings.
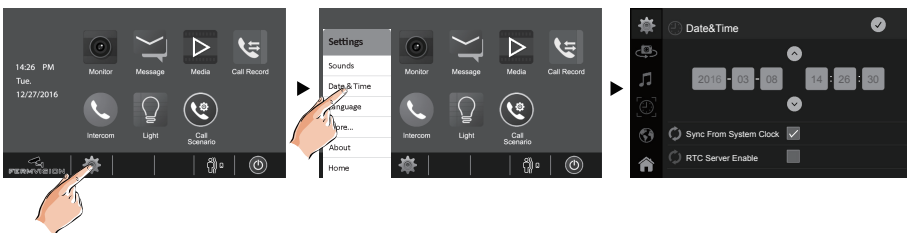
Note: 1.You can also synchronize the system time.

2.Touch 🏠 icon to exit and return to main menu page.

Setting ring tone

The ring call tone can be set individually to distinguish different calling sources. Total 20 tones can be selected.

1.On main menu page, touch ⚙ settings icon ->**[Sounds]**.

2.Touch the setting target of door tone,intercom tone,door bell tone and alert tone individually, then touch ⟨<⟩ / ⟨>⟩ icon to change the tone. Settings will perform immediately.
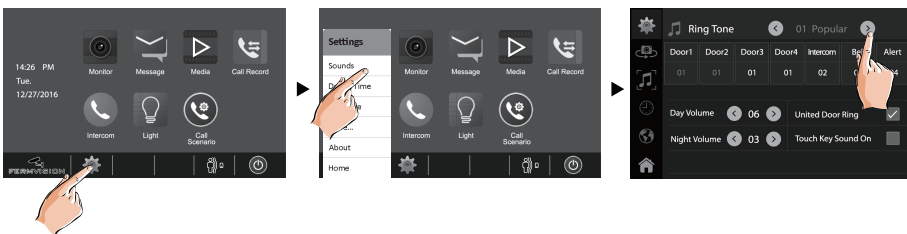
Note: 1.If the door ring mode is selected to United, the ring tone of Door1/2/3/4 must be the same.

2.Touch 🏠 icon to exit and return to main menu page.

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Setting ring volume

The day/night ring volume can be set individually.The setting range is 0~9.

• On main menu page, touch ⚙ settings icon ->**[Sounds]**.

• Select the **Volume** setting item,touch ⓒ / ⓒ icon to adjust the levels. Settings will perform immediately.
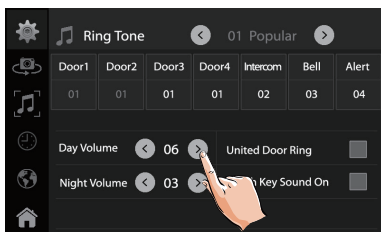
Note: 1.The day time is from 06:00am to 18:00pm. the night time is from 18:00pm~06:00am.

2.Touch 🏠 icon to exit and return to main menu page.

Enabling/Disabling the operation sound

You can make a beep sound for the monitor when touching the screen.

1.On main menu page, touch ⚙ settings icon ->**[Sounds]**.

2.Click **Touch Key Sound On** setting item, when " ✓ " symbol is displayed in the frame ■ , the setting is activated.Click the item again to cancel.

Naming door station & camera

You can name the door stations & cameras by entering characters.

1.On main menu page, touch ⚙ settings icon ->**[More...]**.

2.Select door station to rename.A keypad is shown.

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Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587
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m. 0438 700 101

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3.Rename the door station by touching the on-screen keypad.

* Up to 12 characters can be entered for a name.

Current name is displayed here.

Current renamed door station

Keypad type
abc- Alphabet keypad
123-Number keypad

DOOR1 RENAME   abc

DS1_

Edit box

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L
⇧	Z	X	C	V	B	N	M	⌫
.?123	,	.	␣	↵	↩	OK

Delete the last character

Save the setting

Switch the keypad between alphabet and numbers

Space key
Insert a space.
Move the cursor.

Exit current page

Enter key
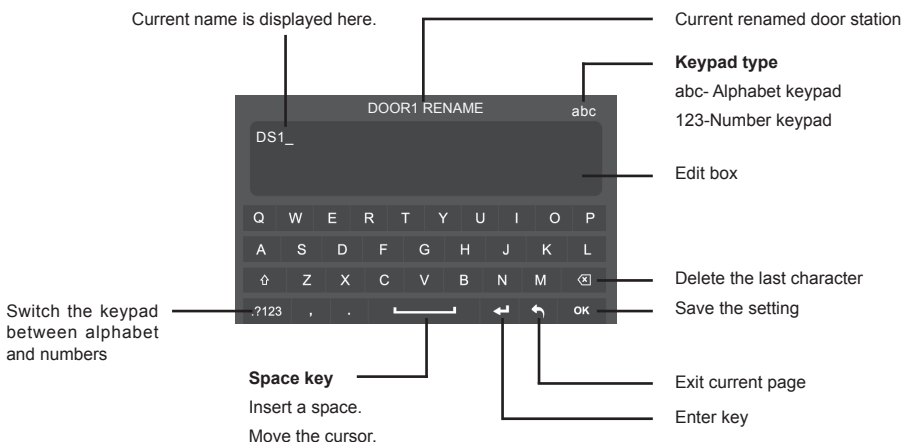
Setting monitor time

The monitor time can be changed at any time. It's available to set 30s,40s,50s,1min,2min,3min,4min,5min,6min,7min,8min,9min,10min.

* 30s is the default monitor time.

1.On main menu page, touch ⚙ settings icon ->**[More...]**.

2.Select **Monitor Time Set** item.

3.Touch ⊘ / ⊘ icon to adjust the levels. Settings will perform immediately.

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Enabling/Disabling motion detect function

You can make it possible (ENABLE) or not (DISABLE) to activate motion detect function from this monitor.

1.On main menu page, touch ⚙ settings icon ->**[More...]**.

2.Click **Motion Detect Enable** setting item,when " ✓ " symbol is displayed in the frame ■ , the setting is activated.Click the item again to cancel.
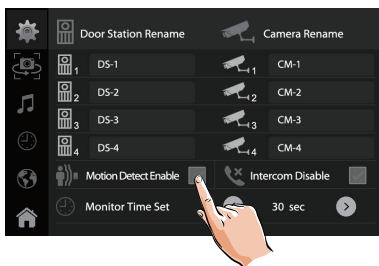
*If this setting item has not been selected, the motion detect function is forbidden, and the **Montion detect** icon
will not display on main menu page.

Enabling/Disabling intercom function

You can enable or disable intercom function from this monitor.

1.On main menu page, touch ⚙ settings icon ->**[More...]**.

2.If select **Intercom Disable** item,the intercom function is forbidden.
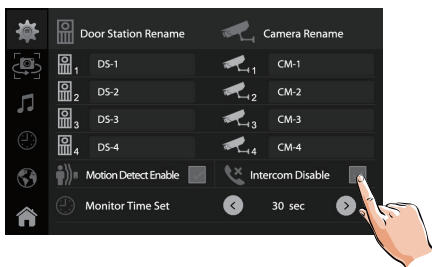
*In default setting, intercom function is enable for the monitor.

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Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
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Changing the display language

The default language can be customized.But you can change it to the language you need at any time. Follow the steps:

• On main menu page, touch ⚙ settings icon ->**[Language]**.
• Touch desired language and select ⊘ to save the setting.
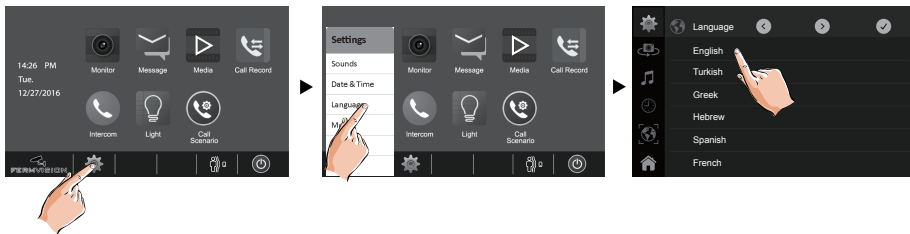
*If the target language is not found in the window, touch ⟨ / ⟩ icon to scroll next page.

Restoring to default setting

The restore to default function allows the user to recover the settings to factory setting.

• On main menu page, touch ⚙ settings icon ->**[About]**.

• Touch ↻ icon, a message of "Restore To Default?" will be asked.

• Touch ✓ icon to start the restore. Touch ↺ icon to cancel.

* Touch **[Logo]** icon to enter **About** page in shortcut.

* If restoring to default is completed,a sound beep will be sent out.

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Entering installer setup

- On main menu page, touch **[Logo]** icon to enter **About** page.
- When the screen stay in **About** page, press ⚲ **UNLOCK** button on front panel and hold for 2 seconds.
- A keypad is shown.

Refer to the followings:
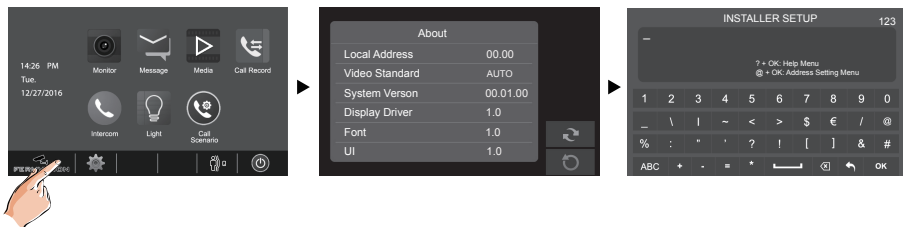
■ Entering Help page

Input the key "? and ok" to open **Help** instructions menu.

Refer to the followings:
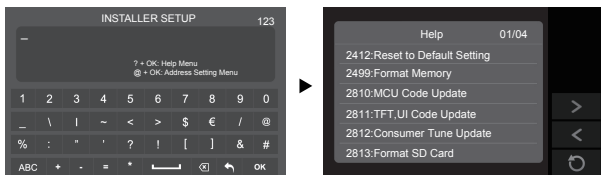
Code	Setting Item	Code	Setting Item
2412	Reset to Default Setting	8018-8020	Video Display Standard
2499	Format Memory	8040-8050	LED Color Setting For Calling
2810	MCU Code Update	8051-8055	LED Color Setting For Standby
2811	TFT,UI Code Update	8300-8301	Auto Rec ON/OFF
2812	Consumer Tune Update	8302-8303	Manual Rec ON/OFF
2813	Format SD Card	8401-8499	Unlock Time
2910	Broadcast Namelist	9006-9007	Unlock Alert Disable/Enable
8004-8005	Guard Unit Enable	9008-9010	Tune Source For Default/Custom
8008-8009	Date Format	9011-9012	NameList First Name."00/01"
8010-8011	Unlock Mode:Close/Open	9017-9019	Touch Key Sensitivity Adjust
8012-8013	Time Format:12 hour/24 hour	9020-9021	Hearing Aid Function On/Off
8016-8017	Bypass Enable/Disable	9030-9039	Fish Eye Control

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U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

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U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

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p. 61 3 9314 2220
f. 61 3 9314 7772
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PO Box 587
Balcatta. 6914
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-29-

■ Entering Address setting page

Input the key "@ and ok" to open **Address Setting** menu.

Refer to the followings:
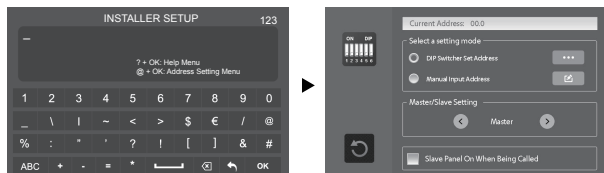
Setting master/slave monitor

Maximum 4 monitors can be connected in one apartment, one master monitor together with 3 slave monitors, so you should set the address correctly.(Note:must have one monitor to be set as a master monitor)

• Select Master/Slave Setting item,touch ⓒ / ⓒ icon to scroll to next item,settings will perform immediately.

Setting slave monitor panel on

In default mode,when receiving a call,the master and slave monitors will ring at the same time,and just the master monitor can display the image while the slave monitors will not. But the settings can be changed,you can set the master monitor and all the slave monitors to panel on at the same time when being called.

• Click " Slave Panel On When Being Called" item,when " ✓ " symbol is displayed in the frame ■ , the setting is activated.

• Click the item again to cancel.

Setting user code

On DT system,every apartment must assign a unique identification called **User Code**.

There are two setting modes for address setting,DIP switcher and manual input .

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DIP Switcher Set Address

The DIP switches are used to set the user code for each monitor. Total 6 bits can be configured.

- Bit-1 to Bit-5 are used for user code setting. The value range is from 0 to 31, which have 32 different codes for 32 apartments.

- When multi monitors need to be installed in one apartment, these monitors should use the same user code, and the master/slave mode should be set on the monitor. (Details refer to the section of **Setting Slave Monitor**)

- Bit-6 is bus line terminal switch, which should be set to "ON" if the monitor is at the end of bus line, otherwise be set to "OFF".

Bit-6 switch setting
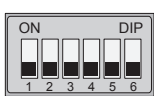
Bit state	Setting	Bit state	Setting
ON DIP 1 2 3 4 5 6	When monitor is not at the end of bus line.	ON DIP 1 2 3 4 5 6	When monitor is at the end of bus line.

ON — DIP 1 2 3 4 5 6   ON(1) = | OFF(0) =

This monitor is assigned with DIP setting instructions.

On Address setting page, select DIP Switcher Set Address setting mode firstly, then touch [•••] icon, total 32 DIP codes will be displayed.

ID0 ID1 ID2 ID3 ID4 ID5 ID6 ID7
ID8 ID9 ID10 ID11 ID12 ID13 ID14 ID15
ID16 ID17 ID18 ID19 ID20 ID21 ID22 ID23
ID24 ID25 ID26 ID27 ID28 ID29 ID30 ID31

NSW
U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587
Balcatta. 6914
m. 0438 700 101
wa@fermaxaus.com.au

fermaxaus .com.au

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Manual Input Address

It's available to input the address manually for this monitor.

- Total 32 numbers to be set, from 00~31.

- When multi monitors need to be installed in one apartment, these monitors should use the same user code, and the master/slave mode should be set on the monitor. (Details refer to the section of **Setting Slave Monitor**)

1.On Address setting page,select Manual Input Address setting mode, then touch 🖉 icon, a keypad will be displayed.

2.Input the code by touching the digital number.

3.Touch "OK" key to save, code setting complete.

4. Touch " ↰ " key to exit.

Keypad type
abc- Alphabet keypad
123-Number keypad

Cursor

INSTALLER SETUP   123

_

00-31   Edit box

1	2	3	4	5	6	7	8	9	0
_	\	|	~	<	>	$	€	/	@
%	:	"	'	?	!	[	]	&	#
ABC	+	-	=	*	␣	⌫	↰	OK	

Switch the keypad between alphabet and numbers

Space key
Insert a space.
Move the cursor.

Save setting

Exit current page

Delete the last character
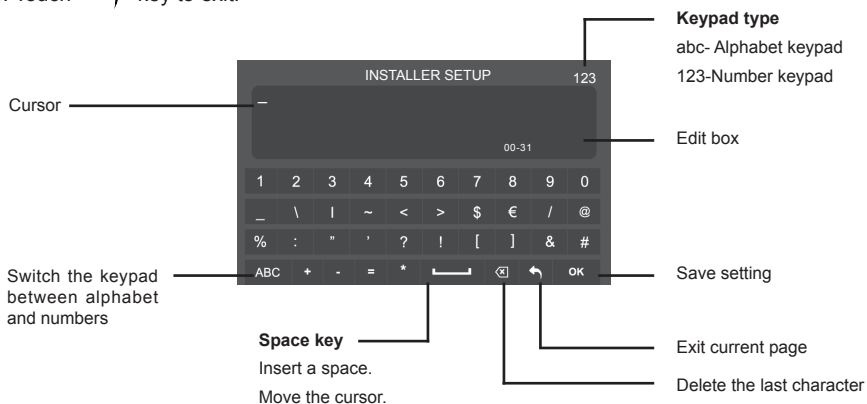
System Wiring and Connections

Basic Connection

FVI-6017PC6

Doorbell Button

DIP Switches

Switch

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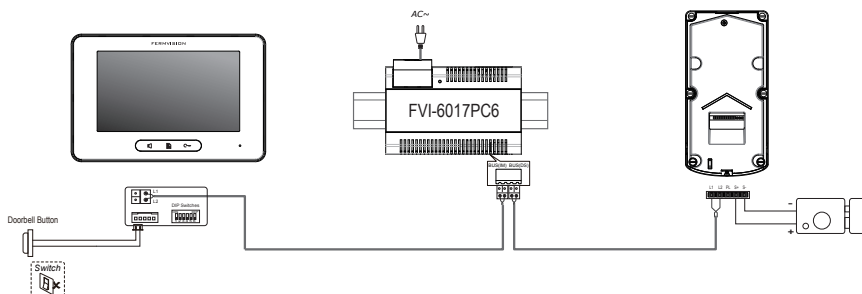
Electric Lock Connection

Door Lock Controlled with Internal Power

Note:

1. Electronic lock of Power-on-to-unlock type should be used.

2. The door lock is limited to 12V, and holding current must be less than 250mA.

3. The door lock control is not timed from Exit Button(EB).

4. The **Unlock Mode** Parameter of Monitor must be set to 0 (by default).

Jumper position in 2-3
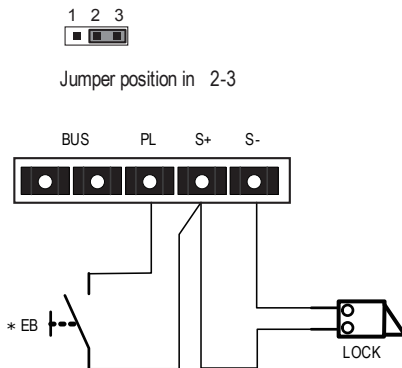
Door Lock Controlled with Dry Contact

Note:

1. The external power supply must be used according to the lock.

2. The inside relay contact is restricted to AC or DC 24V/1A.

3. The jumper must be taken off before connecting.

4. Setup the **Unlock Mode** of Monitor for different lock types.

- Power-on-to-unlock type:Unlock Mode=0 (by default)
- Power-off-to-unlock type:Unlock Mode=1

Take off the Jumper
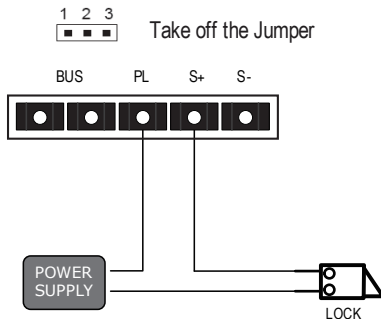
Multi Door Stations Connection
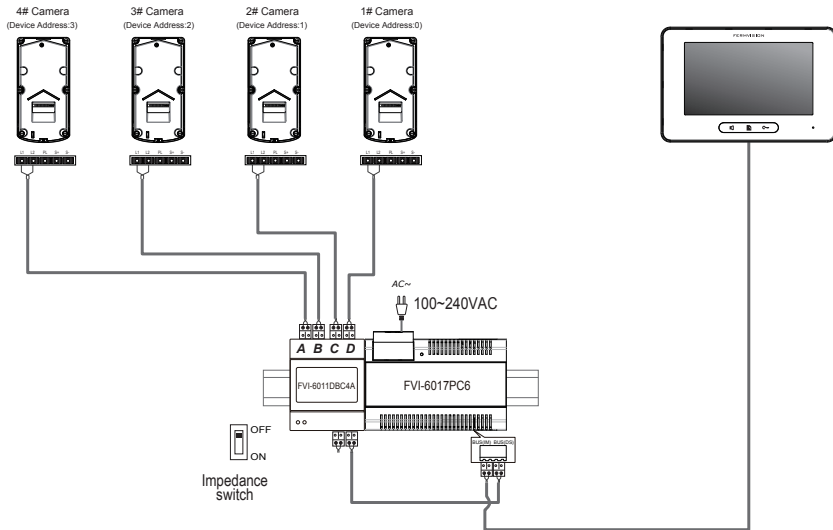
Multi Monitors Connection

Basic IN-OUT Wiring Mode

NOTE:Here we take FVI-6013MEM(the monitor) for example.

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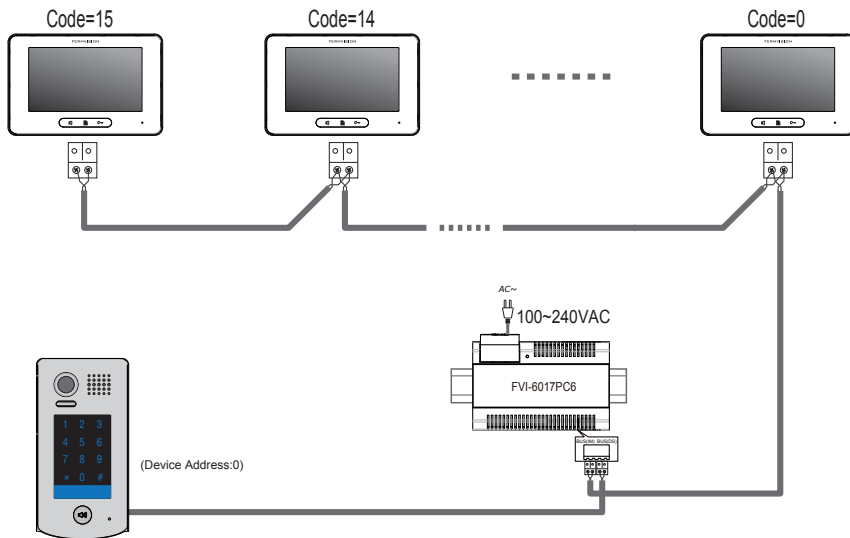
With FVI-6011DBC4A Wiring Mode

NOTE:Here we take FVI-6013MEM(the monitor) for example.

NSW
U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587
Balcatta. 6914
m. 0438 700 101
wa@fermaxaus.com.au

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Functions Setting Up

This section explains the settings of each function,please refer to the following table:

About the setting mode:

Input the master code to switch to the setting mode, and input the corresponding setting code to perform the settings for the function you want. After settings have been made, input the following setting codes to continue the setting operation. Press " ✳ " to exit the setting mode.

- The example is set ✳ as cancel button and # as confirm button,please refer to */# function setting for detail information.
- Forbid to slide to touch the digital keypad,it may cause mistaken key,the correct operation is using your finger to press the digital you desired.
- You should press"confirm"button after finish inputting the code number each time,otherwise,the operation will be canceled automatically in 10s.

Order	Setting items	Setting range	Default value	Setting code
1	Reset all settings	1234	-	00
2	Setting the master code	1 ~ 12 digits Valid keys:0 ~ 9	1234	01
3	Setting the key illumination time	10 to 99 seconds/ continually lit	10 seconds	02
4	Setting the unlock time	01 to 99 seconds	1 seconds	03
5	Setting the unlock mode	0:opened/1:closed	opened	04
6	Operation tone settings	0:on/1:off	on	05
7	Reset code settings	1234	-	06
8	✳&# function settings	0:Normal/1:Reverse	Normal	07
9	Call tone settings	0:Enable/1:Disable	Enable	08
10	Interference resistant grade settings	Valid keys:0 ~ 5	2	09
11	MIC Adjustment	Valid keys:0~9	7	10

-36-

NSW
U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
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WA
PO Box 587
Balcatta. 6914
m. 0438 700 101

wa@fermaxaus.com.au

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12	SPK Adjustment	Valid keys:0~9	4	11
13	Display Scene	Valid keys:0~2	0	12
14	Night Light Level	Valid keys:0~5	4	13
15	Device Address	Valid keys:0~3	0	14
16	Reserve(not used)	Reserve	Reserve	15~17
17	Setting the code forTemporary1	1 ~ 12 digits Valid keys:0~9	-	18
18	Setting the code forTemporary2	1 ~ 12 digits Valid keys:0~9	-	19
19	Setting the code for user group1	1 ~ 12 digits Number of codes:40 Valid keys:0~9	-	20~59
20	Setting the code for user group2	1 ~ 12 digits Number of codes:40 Valid keys:0~9	-	60~99
21	Work Mode	0:A partment/1:Villa	1(villa)	100
22	Call Address	Valid keys: 0 - 9	00	101

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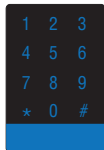
Each operation is indicated by the lighting up of the different color of digital key and nameplate , and by the sounding of the buzzer.

| Input the master code. (Default: [1 2 3 4] +[#]) | | The color of key indicator (white) | Beep+, Beep |

| 1.Reset all settings | 2.Setting the master code (Default：1234) | 3.Setting the key illumination time (Default：10s) | 4.Setting the unlock time (Default：1s) |

Input the setting code. 00+#	Input the setting code. 01+#	Input the setting code. 02+#	Input the setting code. 03+#
The color of key indicator (yellow) Beep+, Beep	The color of key indicator (yellow) Beep+, Beep	The color of key indicator (yellow) Beep+, Beep	The color of key indicator (yellow) Beep+, Beep

Inputting of code 1234+#	Inputting of new master code (ex.: 4321)(1~12 digits) 4321+#	Inputting of code (ex.: 10) range:00 or 10~99 10+#	Inputting of code (ex.: 09) range:01~99 09+#
The color of key indicator (green→white) Beep+	The color of key indicator (green→white) Beep+	The color of key indicator (green→white) Beep+	The color of key indicator (green→white) Beep+

- When the "＊cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When setting failure, the color of key indicator will turn red , the buzzer beeps.

The color of key indicator (The color of standby) Beep, Beep+

- All settings will restore to their default value.
- When power on or activate the reset all setting item,the keypad checking will carry out, during this time,the key illumination will blink and the touching operation is forbidden, after finish checking,the key illumination will stop blinking and sent out a long sound of beep

- The master code is allowed 1~12 digits,the same code cannot be set for both the user code and the master code,it is recommended that you modify the default master code.

- If the key illumination time is set to 00,the key illumination will light up all the time when power on.
- If the key illumination time is set to 10~99,the key illumination will light up for 10~99 seconds.At this mode, the key illumination lights off in standby mode, touching any digital key can illuminate,but this is the invalid digital.

- The unlock time can be set on both monitor and door station, and the valid value is the number you set last time.

-38-

NSW
U1, 37-39 Green St, Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres, Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd, Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587 Balcatta. 6914
m. 0438 700 101

wa@fermaxaus.com.au

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Input the master code.
(Default: [1 2 3 4] +[#])

The color of key indicator
(white)   Beep+, Beep

5.Setting the unlock mode (Default : 0(opened))	6.Setting operation tone (Default : ON)	7.Reset code setting	8.*&# function setting (Default : Normal)

Input the setting code.
04+#

The color of key indicator
(yellow)   Beep+, Beep

Input the setting code.
05+#

The color of key indicator
(yellow)   Beep+, Beep

Input the setting code.
06+#

The color of key indicator
(yellow)   Beep+, Beep

Input the setting code.
07+#

The color of key indicator
(yellow)   Beep+, Beep

0/1

Inputting of code (ex.: 1)
range:0:(open)/1:(close)
1+#

The color of key indicator
(green→white)   Beep+

0/1

Inputting of code (ex.: 1)
range:0:(on)/1:(off)
1+#

The color of key indicator
(green→white)   Beep+

Inputting of code
1234+#

The color of key indicator
(green→white)   Beep+

0/1

Inputting of code (ex.: 1)
range:0:(normal)/1:(reverse)
1+#

The color of key indicator
(green→white)   Beep+

- **When the " * cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.**
- **When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.**
- **When setting failure, the color of key indicator will turn red , the buzzer beeps.**

The color of key indicator
(The color of standby)   Beep, Beep+

- The unlock mode can be set on both monitor and door station, and the valid value is the number you set last time.

- When the operation tone is set to 0,pressing the digital keypad will sent out a sound of beep.
- When the operation tone is set to 1,pressing the digital keypad will blink one time.

- Cancel all the passwords except the master code.
- Restore the master code to default value(1,2,3,4)

- When the item is set to 0,press the * button to cancel the input, and press the # button to confirm the input.
- When the item is set to 1,press the # button to cancel the input, and press the * button to confirm the input .

Input the master code.
(Default: [1 2 3 4] +[#])

The color of key indicator
(white)   Beep+, Beep

9. Call tone setting (Default : enable)	10.Interference resistant grade setting (Default : 2)	11.IMC volume adjust setting (Default:7)	12.SPK volume adjust setting (Default:4)

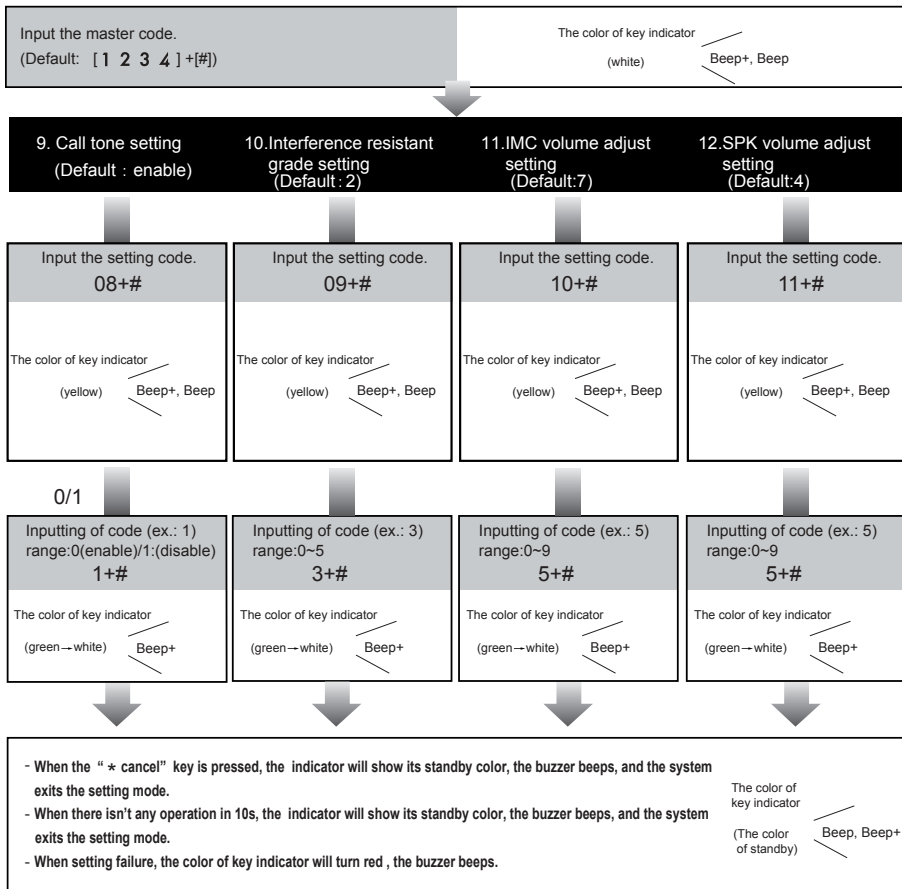Input the setting code.
08+#

Input the setting code.
09+#

Input the setting code.
10+#

Input the setting code.
11+#

The color of key indicator
(yellow)   Beep+, Beep

The color of key indicator
(yellow)   Beep+, Beep

The color of key indicator
(yellow)   Beep+, Beep

The color of key indicator
(yellow)   Beep+, Beep

0/1

Inputting of code (ex.: 1)
range:0(enable)/1:(disable)
1+#

Inputting of code (ex.: 3)
range:0~5
3+#

Inputting of code (ex.: 5)
range:0~9
5+#

Inputting of code (ex.: 5)
range:0~9
5+#

The color of key indicator
(green→white)   Beep+

The color of key indicator
(green→white)   Beep+

The color of key indicator
(green→white)   Beep+

The color of key indicator
(green→white)   Beep+

- **When the " ∗ cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.**
- **When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.**
- **When setting failure, the color of key indicator will turn red , the buzzer beeps.**

The color of key indicator
(The color of standby)   Beep, Beep+

- If the item is set to 0,the unit will respond a call tone when pressing the "CALL" button.
- If the item is set to 1, the unit will have no responds when pressing the "CALL" button.

- The larger you set the interference resistant grade, the stronger it will be,but the sensitivity of the keypad will be more lower.
- The interference resistant grade setting also will activate the keypad checking.

- Unlock via password is still available even when the door station is talking.
- When door station is talking, you can enter the Master code (the LED turns white upon that) to activate the volume adjusting function:
∗ MIC adjustment: 1 (up), 4 (down);
∗ Sleaker adjustment: 3 (up), 6 (down).

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Input the master code.
(Default: [1 2 3 4] +[#])

The color of key indicator

(white)   Beep+, Beep

---

13. Display scene setting
(Default : 0)

14.Night light level setting
(Default : 4)

15.Device address setting
(Default:0)

Input the setting code.
12+#

The color of key indicator

(yellow)   Beep+, Beep

Input the setting code.
13+#

The color of key indicator

(yellow)   Beep+, Beep

Input the setting code.
14+#

The color of key indicator

(yellow)   Beep+, Beep

0/1

Inputting of code (ex.: 1)
range:0~2
1+#

The color of key indicator

(green→white)   Beep+

Inputting of code (ex.: 3)
range:0~5
3+#

The color of key indicator

(green→white)   Beep+

Inputting of code (ex.: 0)
range:0~3
0+#

The color of key indicator

(green→white)   Beep+

- When the " ＊ cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When setting failure, the color of key indicator will turn red , the buzzer beeps.

The color of key indicator

(The color of standby)   Beep, Beep+

- Scene0: Standby(blue), calling (blue blinks rapidly), talking(blue blinks slowly), unlock(green).
- Scene1: Standby(green), calling (green blinks rapidly), talking (greenblinks slowly), unlock(blue).
- Scene2: Standby(blue), calling (yellow), talking(red), unlock(green).

- Night Light Level:0~5.
-The higher the number, the brighter the night lights.

- Device address Settings:
0(device address:0),1(device address:1),2(device address:2), 3(device address:3).

NSW
U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD
U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC
U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA
PO Box 587
Balcatta. 6914
m. 0438 700 101

wa@fermaxaus.com.au

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Input the master code.
(Default: [1 2 3 4]+[#])

The color of key indicator

(white)   Beep+, Beep

16.Setting the code forTemporary1	17.Setting the code forTemporary2	18.Setting the code for user group1	19.Setting the code for user group2

20~59   60~99

Input the setting code.

18+#

The color of key indicator

(yellow)   Beep+, Beep

Input the setting code.

19+#

The color of key indicator

(yellow)   Beep+, Beep

Input the setting code.
(ex.:21)   21+#

The color of key indicator

(yellow)   Beep+, Beep

Input the setting code.
(ex.:60)   60+#

The color of key indicator

(yellow)   Beep+, Beep

Inputting of code (ex.: 1006)
1~12 digits
1006+#

The color of key indicator

(green→white)   Beep+

Inputting of code (ex.: 2011)
1~12 digits
2010+#

The color of key indicator

(green→white)   Beep+

Inputting of code (ex.: 2011)
1~12 digits
2011+#

The color of key indicator

(green→white)   Beep+

Inputting of code (ex.: 2012)
1~12 digits
2012+#

The color of key indicator

(green→white)   Beep

- When the " * cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When setting failure, the color of key indicator will turn red , the buzzer beeps.

The color of key indicator

(The color of standby)   Beep, Beep+

- When input the correct temporary password to release the door, the system will clear the temporary password after 60 seconds automatically.But you should know that the password is valid within 60 seconds after inputing the correct temporary password
- The temporary1 is used to release the first lock,and the temporary 2 is used to release the second lock(the second lock need external device to support).
- If the password length exceeds 12 digits, the system will sent out the sound of "beep,beep,beep,beep",and the digitals you input before will be cleared at the same time.
- The temporary code can not be set the same as the master code and user code.

- The user code group1 is used to release the first lock,and the user code group2 is used to release the second lock(the second lock need external device to support).
- The user code group1 and user code code group2 can contain 40 group passwords
- If the password length exceeds 12 digits, the system will sent out the sound of "beep,beep,beep,beep",and the digitals you input before will be cleared at the same time.
- The user code can not be set the same as the master code and temporary code.

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Input the master code.
(Default: [1 2 3 4]+[#])

The color of key indicator
(white)   Beep+, Beep

20.Work mode setting
(Default:1/villa)

21.Call address setting
(Default:villa:00,16;
a partment:00~31)

Input the setting code.
100+#

The color of key indicator
(yellow)   Beep+, Beep

Input the setting code.
101+#

The color of key indicator
(yellow)   Beep+, Beep

Inputting of code (ex.: 1)
range:0(a partment)/1:(villa)
0+#

The color of key indicator
(green→white)   Beep+

Inputting of code (ex.: 1)
range:Valid keys: 0 - 9
0+#

The color of key indicator
(green→white)   Beep+

- When the " ＊ cancel" key is pressed, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When there isn't any operation in 10s, the indicator will show its standby color, the buzzer beeps, and the system exits the setting mode.
- When setting failure, the color of key indicator will turn red , the buzzer beeps.

The color of key indicator
(The color of standby)   Beep, Beep+

- Work mode setting:
0(a partment)/1:(villa).

- When the work mode is villa,the call address:00 or 16.
- When the work mode is a partment, the range of call address:00~31.

NSW U1, 37-39 Green St, Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD U11, 8 Fortitude Cres, Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC U30, 640-680 Geelong Rd, Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA PO Box 587 Balcatta. 6914
m. 0438 700 101
wa@fermaxaus.com.au

fermaxaus .com.au

-43-

Unlock Operations

Unlocking of user code

When the registered user code has been input using the keypad (1~12 digits), the LED background indicator lights up, the buzzer sounds,and the electric door strike is unlocked.(note that you should press "#" button(if "#" button is set to confirm button) after input the unlock code)

- The time interval during which the button must be pressed is approximately 10 seconds. If the time interval exceeds approximately 10 seconds, the input value will be cleared.
- If you make a mistake when inputting the user code,press the" cancel" button and input the user code again.
- The release function is forbidden and the input operation is disabled for 60 seconds if 10 times incorrect access codes are continuously attempted. During this time,the buzzer will continuously sound about 8 times.

1. During calling,pressing "cancel" button can cancel the calling

2. If input the incorrect access code,the buzzer will sound of beep,beep,beep

Specification

Power supply:	DC 24V
Power consumption:	Standby 0.27W; Working 7W(Indoor Station)
	Standby 0.96W; Working 3.8W(Outdoor Station)
Camera:	Color ARS; 420 TV Lines
Unlocking Time:	1~99s
Lock Power supply:	12Vdc, 280mA(Internal Power)
Number of relay circuits:	2(the second lock need external device to support)
Screen:	7 Inch digital color TFT
Display Resolutions:	800*3(R, G, B) x 480 pixels
Video signal:	1Vp-p, 75Ω, CCIR standard
Mounting:	Surface wall-mount
Material:	Aluminum front panel
Color:	White
Wiring:	2 wires, non-polarity
Dimension:	139(H)×212(W)×15(D)mm(FVI-6013MEM)
	182(H)×93(W)×44(D)mm(FVI-6016KP)
	220(H)×120(W)×50(D)mm(FVI-6016KP-F)

Cables Requirements

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach.

The farest monitor

monitor

with two or four monitors

monitor   monitor

FVI-6011DBC4A

B

C

AC~
100~240VAC

FVI-6017PC6

A
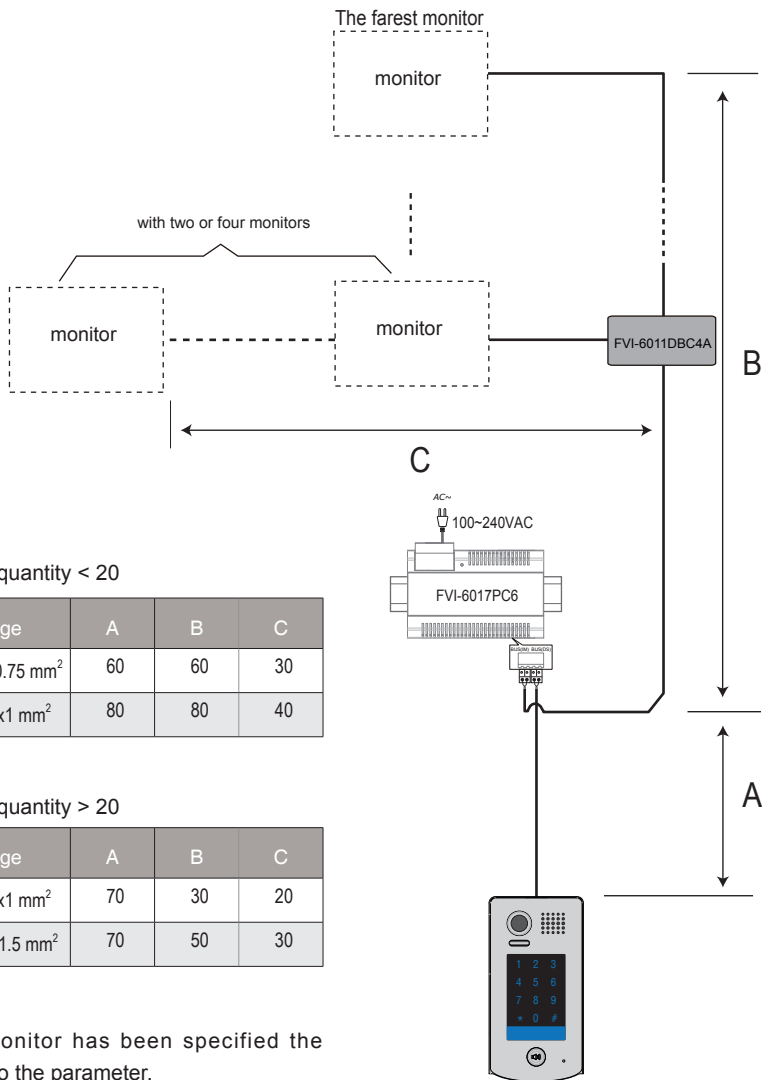
When Monitor quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.75 mm^2	60	60	30
Twisted cable 2x1 mm^2	80	80	40

When Monitor quantity > 20

Cable Usage	A	B	C
Twisted cable 2x1 mm^2	70	30	20
Twisted cable 2x1.5 mm^2	70	50	30

Note:If the monitor has been specified the distance,refer to the parameter.

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-45-

Note

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Audio Intercoms | Video Intercoms | IP Intercom Systems | Access Control | Sound Distribution | IP Cameras
NVR's | Analogue Cameras | DVR's | Intruder Alarms | Residential & Commercial | Security Consultancy

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-47-

FVI-6020

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