VIDEO INTERCOM SYSTEM

AT16/C5-AT16 USER MANUAL
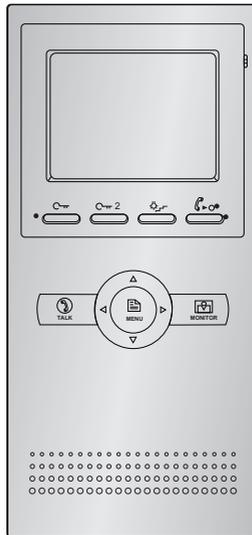
Precautions

- 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 if 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 be impacting, knocking and dropping.

- For 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 clean impregnate. 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 or mulfunction happens.

Contents

The model you purchase maybe haven't all functions mentioned here, but the functions contained in your product can be found in this manual.

1. Parts and Functions
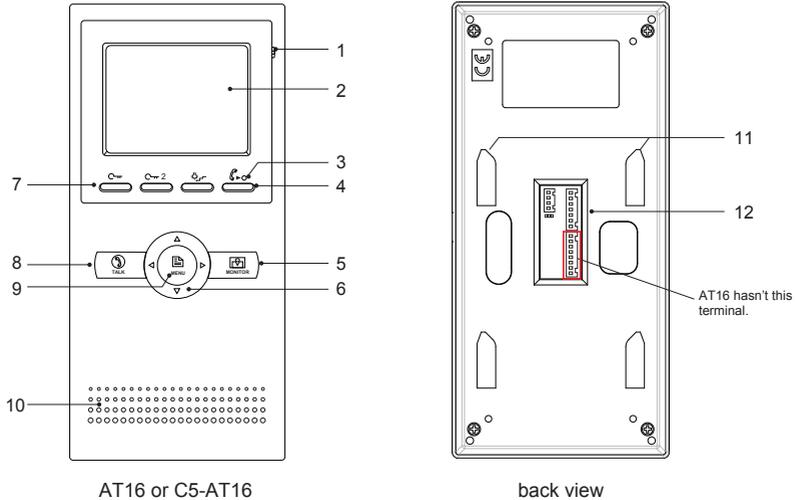
AT16 or C5-AT16   back view

Key Functions

1. Microphone	• Receives sound from the user.
2. LCD screen	• Display the images from outdoor station.Touch operation.
3. LED indicator	• Normally light on when power on • Flash when receiving signal or activating No disturb mode
4. Call key	• Press to activate the intercom function page.
5. Monitor key	• Press to view the outside condiction.
6. Navigation key	• Scrolls through lists and moves the cursor . Also adjust the ringer volume.
7. Unlock key	• Press to release the door for visitors during talking or monitoring.
8. Talk key	• Press to talk with the visitors while receiving a call.
9. Menu key	• Press to open a list of actions available on the current screen.
10. Speaker	• Output sound from the outdoor.
11. Mounting Hook	• Used to hang up the monitor unit
12. Connection Port	• Bus line terminal

2. Basic Door Release Operation
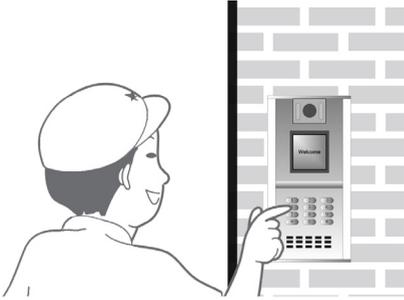
1. Input room numbers in Door Station of the building or main entrance, the Monitor rings, at the same time, the screen displays the visitor image.

2. Press **TALK** Button on monitor, you can talk with the visitor for 70 seconds. During communication, press **TALK** Button again to end the conversation. If nobody answers the phone, the screen will be turned off automatically after 40 seconds.

3. During calling or talking state, Press **UNLOCK** Button to open the door for the visitor.

4. When the monitor is in standby mode, press **MONITOR** Button, you can see the outside view.During monitoring,pressing **UNLOCK** Button can open the door.Press **MONITOR** Button again to close the screen.

3. Intercom Function

When the monitor is in standby mode, press **CALL** Button to enter Intercom Function page. (or select ⌨ item on main menu page). Use ▲ / ▼ Button to move upward / downward to select the item you want, press **MENU** Button to call.

1. Choose **Call Guard Unit** item will sent a call message to the guard center and wait for calling back.

2. Choose **Direct Call Guard Unit** will dail the guard center immediately.

Intercom Function
Call Guard Unit
Direct Call Guard Unit
Intercom Call
Exit
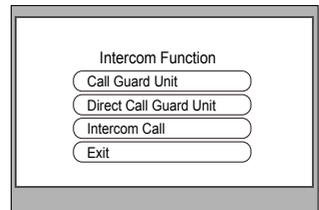
3. **Intercom Call**: you can call the other users in the same network with you. Input the building code and room number by using ▲ / ▼ Button to increase / decrease the value; use ▶ Button to select next digit; After finish, press **Talk** Button to active the calling, a call message will be sent out, if the system is free, you will heard the feedback rings, you can talk with someone who answers the call.Press ◀ Button to return Intercom Function page.

```
Building       Room
 000          1003
               ⇧
```
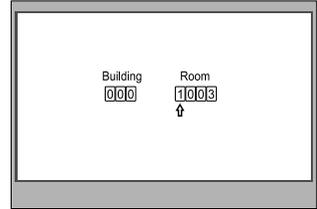
4. Basic Setup Instructions

4.1 How to Enter Main Menu Page

1. Press **MENU** Button in standby mode, the date/time page will be showed. (the date/time page will be closed in 3 minutes if no operation)

2. Press **MENU** Button again, main menu page will be showed.

```
   🕐⬛   10:32
   ⅰ
  2010-03-31  3
```

```
  🔔 alarm
  ☎ intercom
  ✕ setup
  🏠 exit
```
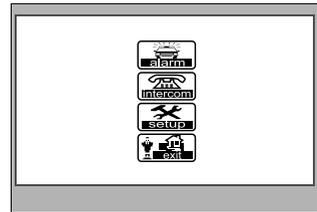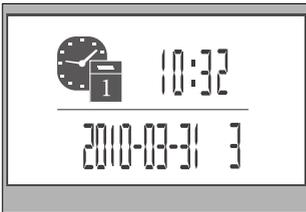
4.2 Ring Tone Settings

Select ✕setup item on main menu page to enter setup page.There are 12 pieces ring tones can be selected.use ◀ / ▶ Button to select last/next ring tone,it will perform immediatelly.

Door Station Tone:set the ring tone calling from outdoor station.
Door Bell Tone:set the ring tone calling from door bell.
Guard Unit Tone:set the ring tone calling from guard unit.

```
┌──────────────────────────┐
│ ( Door Station Tone --  01 ) │
│ ( Door Bell Tone    --  05 ) │
│ ( GuardUnit Tone    --  05 ) │
│ ( No Disturb Mode   --  off ) │
│ ( Installation... )          │
│ ( Exit )                     │
└──────────────────────────┘
```
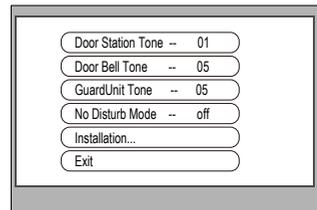
4.3 NO Disturb Mode

If you don't want to be disturbed (for example, at night), set this item is on(use ◀ / ▶ button to choose on/off), any call from the outdoor station will be sent to the guard center, and the guard person will tell the visitor that you do not want to accept the visit.

4.4 Date and Time Setting

1. Select [⚒️ setup] item on main menu page to enter setup page,then use ▲ / ▼ button to select **Installation...** item. A password will be asked before enter next sub menu.the password is 2412, Input the password by using ▲ / ▼ Button to increase / decrease the value; use ▶ Button to select next digit, and press ◀ button to return last page. After finish,press **MENU** Button to confirm and enter the sub menu page.

Alarm In/Out Delay -- 40
Date And Time Set ...
Room Address...
Other Settings...
Information...
Exit

2. Select **Date and Time Set...** item. Input date and time by pressing the ▲ / ▼ Button to increase / decrease the value and pressing ▶ Button to select next digit,After finish,press **MENU** Button to save and exit.and press ◀ button to exit and unsave.

Time [1][0]:[3][2]
         ⇧
Date [2][0][1][0]–[0][3]–[3][1]
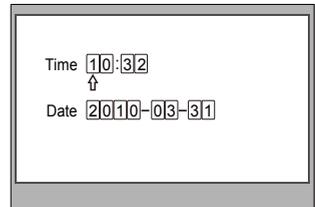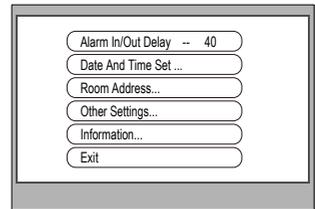
4.5 Room Adress

Room adress is the number you input on door station to call the user.

According to 4.4 , select **Room Adress...** item, 4 digits number are required for room adress.Input the number by pressing ▲ / ▼ Button to increase / decrease the value; use ▶ Button to select next digit.After finish,press **MENU** Button to save and exit.and press ◀ button to exit and unsave.

Room
[6][6][6][6]
  ⇧
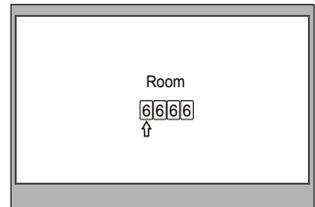
4.6 Restore to Default

According to 4.4 , select **Information...** item, this item will show the *hardware/software* version and voltage information of the Monitor. Select **Restore to default** item ,then press **MENU** button. All settings will be restored to default.(Note that the restore to default operation will not change the time setting and the datas.)

Hardware Ver.	A1.2
Software Ver.	V8.9
Voltage	25.6
Manufacture	AT16
Restore to default	
Exit	
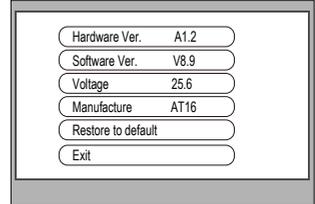
5. Screen and Volume Adjustment

During monitoring or talking, press MENU Button,the *ADJUST MENU* will be displayed. Use ▲ / ▼ Button to select the adjustment item; use ◄ / ► Button to decrease / increase the value.

1. The first item is Scene mode selection: Total 4 screen modes can be selected in sequence: *Normal, User, Soft* and *Bright. Note that only at *User mode* that you can modify *Brightness* or *colour. whenever you modify *Brightness* or *colour* item, the *Scene mode* item will be set to *User* mode automatically.

☪	user scene	
☀	Brightness	5
▥	Colour	4
♫	Ring Volume	2
☏	Talk Volume	6

2. The *Brightness* and *Colour* item is for the image quality setting, adjust the value to get the best image you like.

3. The *Ring Volume* and *Talk Volume* items are ring tone and talking volume adjustment.

4. Note that all the modifications will be done immediately after the operation. Press "MENU" button to quit the adjust page.
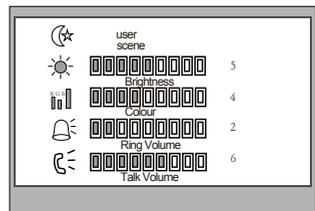
6. Defense Alarm Operation(optional)

This system have auto-alarm function to ensure the security for the house owner. Total 4 different sensors were placed to protect different defense area. When the sensor was triggered, the monitor will sent out alarm sound immediately and will sent the alarm signal to the guard center at the same time. Note that your system may not have all the 4 sensors according to the system configuration.

Motion Sensor
Delay sensor, normally it will be placed on doors or windows. If the sensor is set, when the door or window is opened, the monitor will sent out alarm sound and sent the alarm signal to the guard center.

Infrared Sensor
Delay sensor, can be placed on living room or bedrooms. When the sensor is set, if some body invade into the defence area, the monitor will sent out alarm sound and sent the alarm signal to the guard center. You can set this sensor when nobody at home.

Smoke Sensor
24-hour sensor, this sensor is opened by the system by default. It can be placed on living room or kitchens. if any fire happened in the area, the monitor will sent out alarm sound and sent the alarm signal to the guard center.

Emergency Help Button
24-hour sensor, this sensor is opened by the system by default. It can be placed any where suitable. if any fire happened in the area, the monitor will sent out the emergency help signal to the guard center.

1. Select ⬚ item on main menu page to enter alarm function page as show on the right.

2. Use ▲ / ▼ Button to select, press **MENU** Button to confirm. If the current state is Armed, the 'Disarm' icon is selectable, and vice versa.

Alarm Function

1: 🔒	5: 🔒	Arm
2: 🔒	6: 🔒	Disarm
3: 🔒	7: 🔒	Exit
4: 🔒	8: 🔒	

🔒 (normal)   🔥 (alarming)
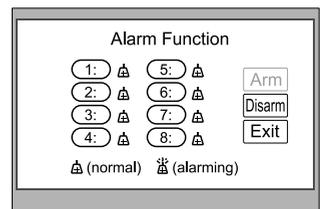
3. *Out-Delay Period:* after you arm the system, you will get into Out Delay Period, monitor will sent out short "Di" every 3 seconds; you will hear a long "Di~" at the end of the Out Delay Period, and the system is gotten into the protecting status. By default, the Out Delay Period is 40 seconds, users must get out off the room within 40 seconds, otherwise the system will treat the user as a invader and sent out the alarm signal.

4. *In-Delay Period:* When the system is armed, the defence alarm are activated, to disarm the alarms. When you come into the room, you have 40 seconds to deactivate the sensors(by enter MAIN --> ALARM menu, select Disarm item); if you didn't deactivate the sensors after 40 seconds, the monitor will sent out alarm sound and sent the alarm signal to the Guard Unit.

5. 40 seconds is the default setting for in-out delay time, it can be changed by the administrator.
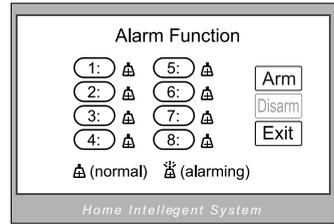
7. Remote Control Function(optional)

According to 4.4 , select **Other Settings...** item . A add/del remote page will be showed. this item is for adding and deleting Remote function.
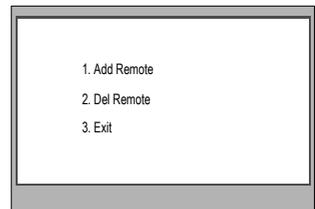
[A] Button: Work as Emergency Help Button, press and hold this button for 3s, the monitor will sent out the emergency help signal to the guard center.

[B] Button: Arm button, press and hold this button for 1s will arm the system(same result as enter MAIN --> ALARM menu, select Arm item).

[C] Button: Disarm button, press and hold this button for 1s will disarm the system(same result as enter MAIN --> ALARM menu, select Disarm item).

[D] Button: Use this button to release the door.(same result as press the Unlock button on monitor).
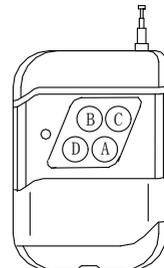
NOTE:

1. Remote control distance is normally up to 30 meters, and will extend if the built-in telescopic antenna is taken out.

2. If the controlled distance is becoming shorter, or LED doesn't light on while pressing any button, open the remote control unit and replace the battery with a new one.

8. Specifications

- Power supply for indoor monitor: DC 15~18V (supplied by system)

- Power consumption: Standby 1W; Working status 5W

- Monitor screen: 3.5 Inch color LCD

- Display Resolutions: 320(R, G, B) x 240 pixels

- Video signal: 1Vp-p, 75 Ω, CCIR standard

- Wiring: CAT5 cable, polarity

- Dimensions: 220(H)×105(W)×20(D)mm

Please read this manual carefully before using the product you purchase, and keep it well for future use.We reserve the right to modify the specification in this manual at any time without notice.