

# AIPHONE

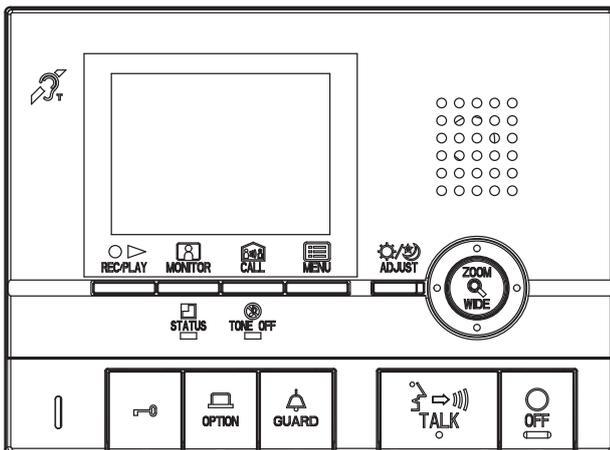
## GT-2C-L/GT-2C

## GT-2H-L/GT-2H

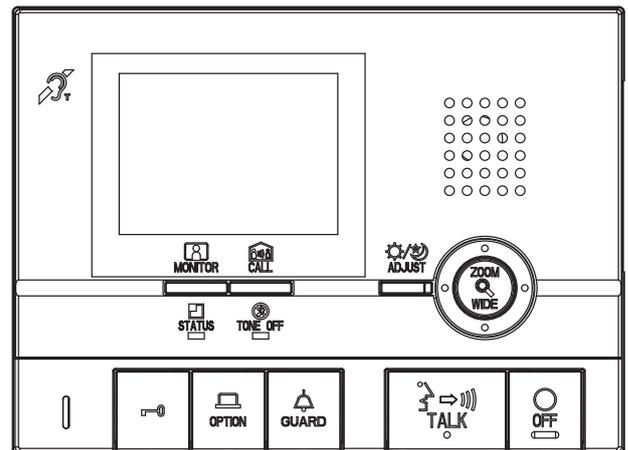
Residential/Tenant Station,  
Sub Residential/Tenant Station

### OPERATION MANUAL

GT-2C-L/GT-2C



GT-2H-L/GT-2H



Thank you for selecting Aiphone for your communication needs.

\* Please read this manual for safe and correct use of the system, and keep in a safe place for future reference.

Please note that images and illustrations depicted in this manual may differ from the actual product.

# PRECAUTIONS



Prohibited



Do not dismantle unit



Keep unit away from water



Be sure to follow the instruction

## ⚠ WARNING

(Negligence could result in death or serious injury.)

1. Do not dismantle or alter the unit. Fire or electric shock could result.
2. Do not put any metal and flammable material into the unit through the openings. Fire, electric shock, or unit trouble could result.
3. Keep the unit away from water or any other liquid. Fire or electric shock could result.
4. During an electrical storm, do not touch the unit. Electric shock could result.
5. If there is any smoke, unusual odor, or abnormal sound, or if you drop or damage the unit, turn off the system power breaker immediately. Fire or electric shock could result.
6. Do not use power supply with a voltage other than specified. Fire or electric shock could result.

## ⚠ CAUTION

(Negligence could result in injury to people or damage to property.)

1. Do not put anything on or cover the unit with cloth, etc. Fire or unit trouble could result.
2. Do not apply high pressure on the screen. If fractured, injury could result.
3. If the LCD is punctured, do not touch the liquid crystal inside. Inflammation could result. If contact should occur, flush or rinse area with water thoroughly and consult your doctor.
4. Be sure to perform a call test with the handset on the hook. If you operate the hook switch with the handset on your ear, a sudden call etc. may arrive causing damage to your ear.
5. Do not place your ear near the speaker during use. An unexpected loud sound could cause hearing damage.

## General Precautions

1. Keep the unit more than 1 m (3.3') away from radio or TV set.
2. Keep residential/tenant station more than 20 cm (7-7/8") away from other radio equipment, for example floor heating controller, wireless router or cordless telephone, etc. It may cause unwanted noise and video distortion.
3. Talk within 30 cm (12") from this unit. If you are too far away, it may be difficult to hear audio.
4. When installing and using this unit, protect subject's privacy, portrait rights, etc. on your own responsibility.
5. In order to avoid the unexpected trouble due to the outflow of your own information stored in this unit, erase the recorded information such as settings and recorded images on your own responsibility when you discard, transfer, or return this unit. Refer to section **6-5** of this manual for how to erase the information.
6. As to other manufacturer's devices (such as sensor, detectors, door releases) used with this system, comply with the Specifications and Warranty conditions that the manufacturers or venders present.
7. Avoid using this unit in places under direct sunlight. If it is unavoidable, block out light during use.
8. When putting a hearing aid into T-mode and approaching the unit, the intercom system may be affected by radio frequency interference etc., depending on the installation environment.

## Notice

- We will under no conditions be liable for any damages or losses resulting from this product's contents or specifications.
- We will under no conditions be liable for damage occurring due to the inability to communicate due to malfunctions, problems, or operational errors in this product.
- The unit is inoperative during power failure.
- This unit is designed for indoor use only. Do not use at outdoor locations.
- This system is not intended for life support or crime prevention. It is just a supplementary means of conveying information. Aiphone will under no conditions be liable for loss of life or property which occurs while the system is being operated.
- In areas where broadcasting station antennas are close by, this system may be affected by radio frequency interference.
- Please note the LCD panel, though manufactured with very high precision techniques, inevitably will have a very small portion of its image elements always lit or not lit at all. This is not considered a unit malfunction.
- The unit may get slightly warm, but this is not a malfunction.
- During communication, if you speak before the other person has finished talking, your voice may not come through clearly. Conversation will proceed smoothly if you speak when the other person has finished talking.
- This unit is intended to be mounted on a wall only. It cannot be used on a desktop.
- Available functions and services are limited according to the specifications of the installed system.
- If you speak in a fixed tone, the noise-cut function may judge it to be a noise and cut the transmission, but this is not a malfunction.
- Using a mobile phone or professional-use radio equipment such as walkie-talkie close to the system may cause a malfunction.
- Warm-color lighting shining on the camera may change the tint of the image on the screen.
- The outline of video images displayed may differ from that of the actual person(s) or background, but this is not a malfunction.
- When the unit's screen is illuminated with strong light, the image looks white or silhouetted. But this is not a unit trouble.
- When outside temperature lowers sharply after rainfall, etc., the inside of the camera may fog up slightly, causing a blurry images, but this is not a malfunction. Normal operation will be restored when moisture evaporates.
- When using a fluorescent light that shines around the camera, the screen colors may variously change (color rolling), but it is not a malfunction.

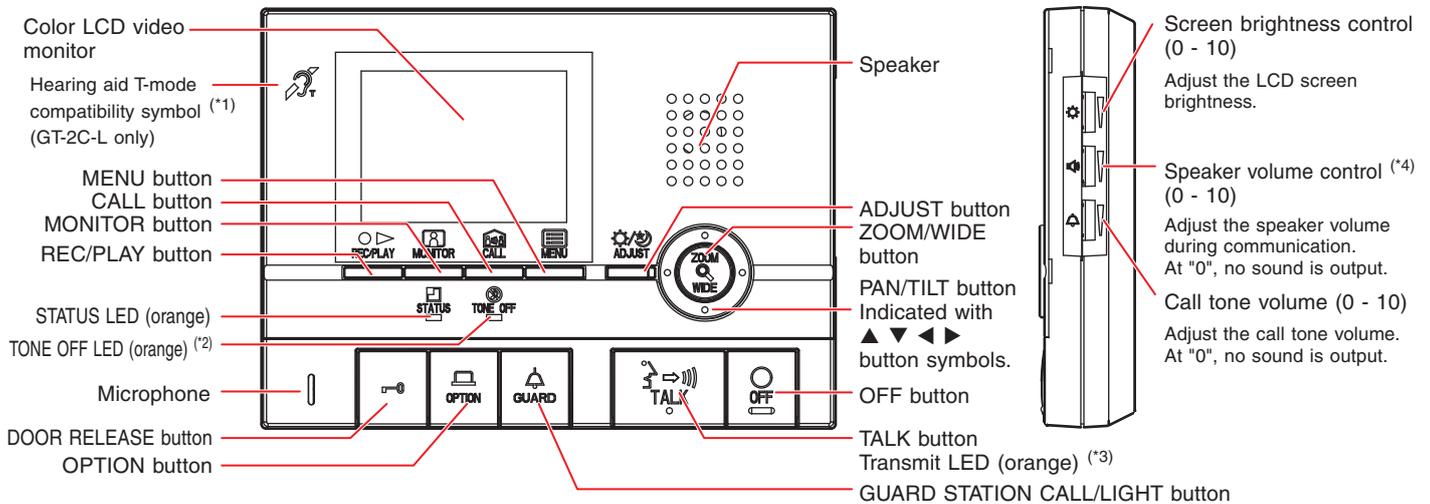
# Table of Contents

<b>PRECAUTIONS</b> .....	2
<b>PART NAMES AND FUNCTIONS</b> .....	4
<b>1 OPERATION PANEL</b> .....	4
<b>2 INDICATORS</b> .....	5
<b>3 SCREEN VIEW (Residential/tenant station)</b> .....	6
<b>USING THE STATION</b> .....	7
<b>1 OPERATING METHOD (Residential/tenant station)</b> .....	7
1-1 Turning off the overlay.....	7
1-2 Setting the date and time.....	8
<b>2 RECEIVING CALLS</b> .....	9
2-1 Answering a call.....	9
2-2 Door release.....	10
2-3 Light control.....	10
2-4 Doctor call (Residential/tenant station).....	10
<b>3 CALLING</b> .....	11
3-1 Calling guard stations.....	11
3-2 Room-to-room calling.....	11
<b>4 MONITORING</b> .....	12
<b>5 OPERATION DURING COMMUNICATION AND MONITORING</b> .....	13
5-1 ZOOM/WIDE switching.....	13
5-2 Pan/tilt operation.....	13
5-3 Individual door zoom view preset (Residential/tenant station).....	13
5-4 Night illumination.....	14
5-5 Backlight adjustment and night sensitivity adjustment.....	14
5-6 Switching to surveillance camera video in a common area.....	14
<b>6 RECORDING AND PLAYING (Residential/tenant station)</b> .....	15
6-1 Automatic recording.....	15
6-2 Manual recording.....	15
6-3 Playing recordings.....	16
6-4 Saving recordings.....	17
6-5 Erasing recordings.....	17
<b>7 ALARMS AND RELATED INFO</b> .....	18
7-1 Emergency alarm.....	18
7-2 OPTION button.....	18
7-3 External calls.....	19
7-4 PRESENCE SECURITY, ABSENCE SECURITY setting (Residential/tenant station).....	19
7-5 Canceling security setting after arrival (Residential/tenant station).....	20
7-6 Canceling security alarms (Residential/tenant station).....	20
<b>8 CHANGING SETTINGS (Residential/tenant station)</b> .....	21
8-1 Using the MENU.....	21
8-2 LANGUAGE setting.....	21
8-3 CALL TONE switching.....	22
8-4 Picture memory setting for individual door call.....	22
8-5 External call sound time duration setting.....	23
8-6 Individual door call time setting.....	23
8-7 Individual door night illumination setting.....	23
8-8 SECURITY PIN setting.....	24
8-9 DEPARTURE TIMER, ARRIVAL TIMER setting.....	25
8-10 Security alarm sound duration time setting.....	25
<b>FOR PROPER USE OF THE STATION</b> .....	26
<b>1 TECHNICAL PRECAUTIONS</b> .....	26
<b>2 TROUBLE SHOOTING</b> .....	26
<b>3 SPECIFICATIONS</b> .....	26
<b>4 REGULATIONS</b> .....	27
<b>5 WARRANTY</b> .....	27

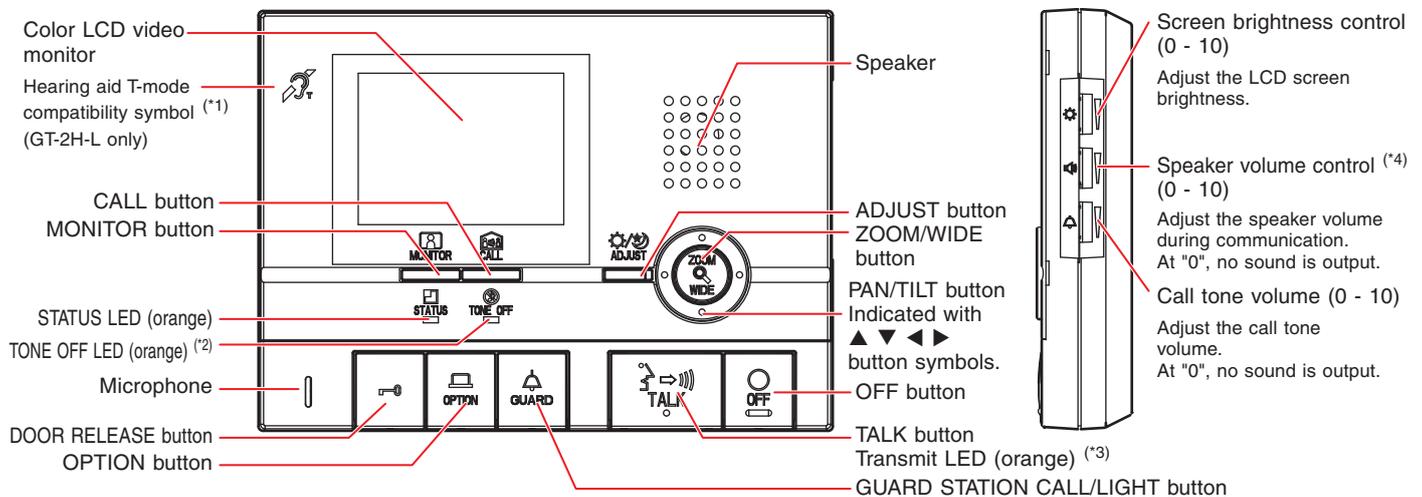
# PART NAMES AND FUNCTIONS

## 1 OPERATION PANEL

### Residential/tenant station (GT-2C-L/GT-2C)



### Sub residential/tenant station (GT-2H-L/GT-2H)



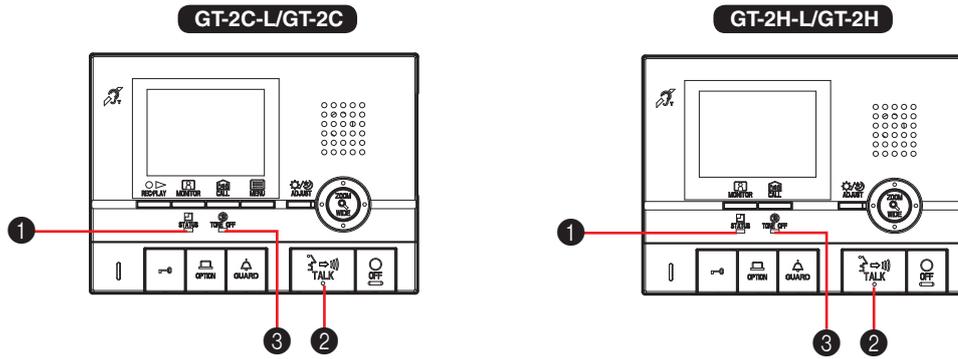
(\*1): This unit emits an electromagnetic field for hearing aids equipped with T-mode to produce clear audio.

(\*2): When the call tone is set to OFF, this LED will flash with a long interval.

(\*3): The LED turns on while speaking.

(\*4): When the handset is connected, the speaker volume control cannot be adjusted.

## 2 INDICATORS

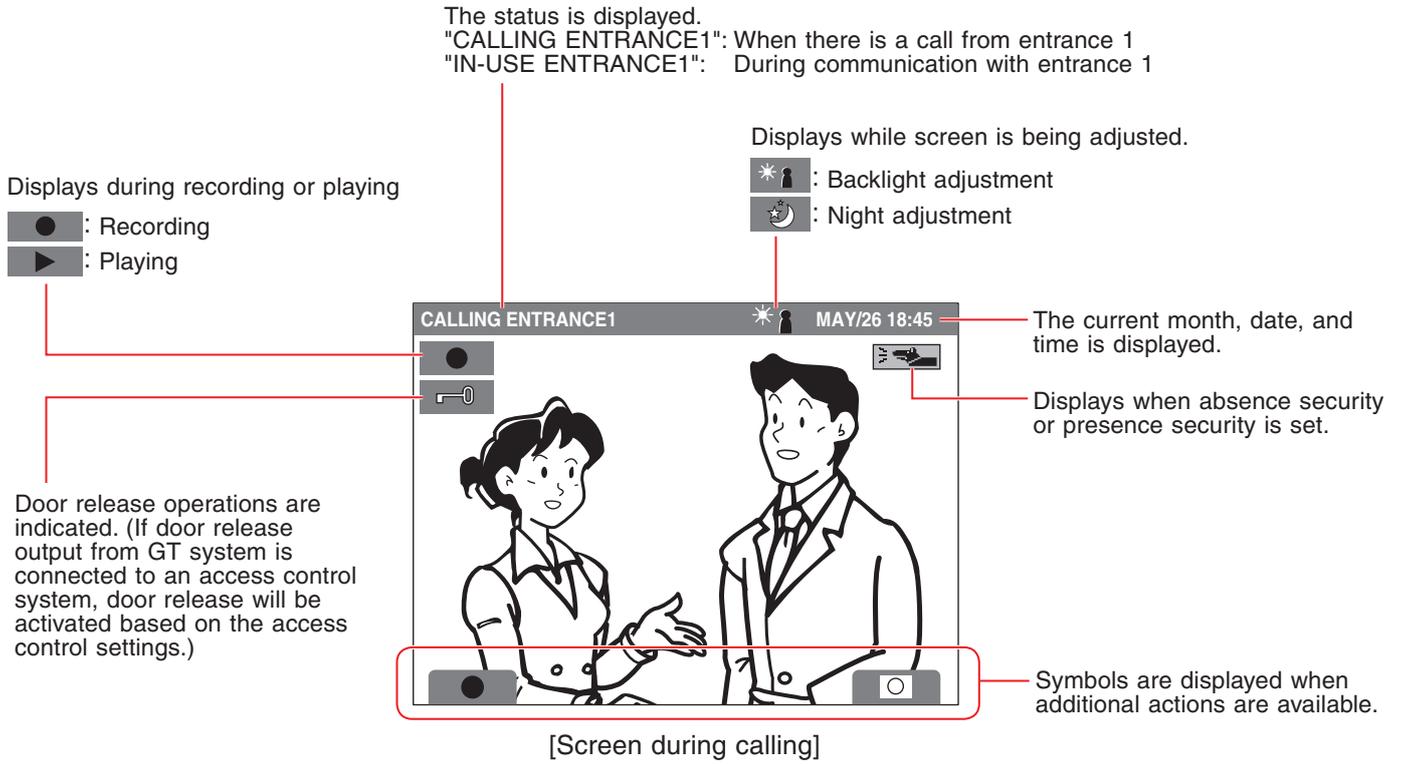


### Indication patterns

Status	Indicator	① STATUS indicator (orange)	② TALK indicator (orange)	③ TONE OFF indicator (orange) <sup>*1</sup>	
				When the call tone is set to "off"	When the doctor call is enabled
Standby		Off □	Off □	Long interval flashing	Slow flashing
Incoming call		Fast flashing 	Off □	Long interval flashing	Slow flashing
Communication		Lit	Lit while speaking	Off □	Off □
Guard station call		Fast flashing 	Off □	Long interval flashing	Slow flashing
Monitoring an entrance station		Lit	Off □	Long interval flashing	Slow flashing
Calling a residential/tenant station or sub residential/tenant station		Fast flashing 	Off □	Long interval flashing	Slow flashing
System in use		Lit	Off □	Long interval flashing	Slow flashing
<b>GT-2C-L/GT-2C only</b>	New recorded image	Long interval flashing 	Off □	Long interval flashing	Slow flashing
	Missed call from guard station	Long interval flashing 	Off □	Long interval flashing	Slow flashing
	Date and time not set	Long interval flashing 	Off □	Long interval flashing	Slow flashing
	Security mode active	Slow flashing 	Off □	Long interval flashing	Slow flashing
	One minute elapsed after security alarm stopped	Fast flashing 	Off □	Long interval flashing	Slow flashing
	10 minutes elapsed after security alarm triggered	Fast flashing 	Off □	Long interval flashing	Slow flashing

(\*1): When the call tone is set to "off" and the Doctor call is enabled, the flashing for the Doctor call takes priority. (Section [2-4](#))

### 3 SCREEN VIEW (Residential/tenant station)



# USING THE STATION

## 1 OPERATING METHOD (Residential/tenant station)

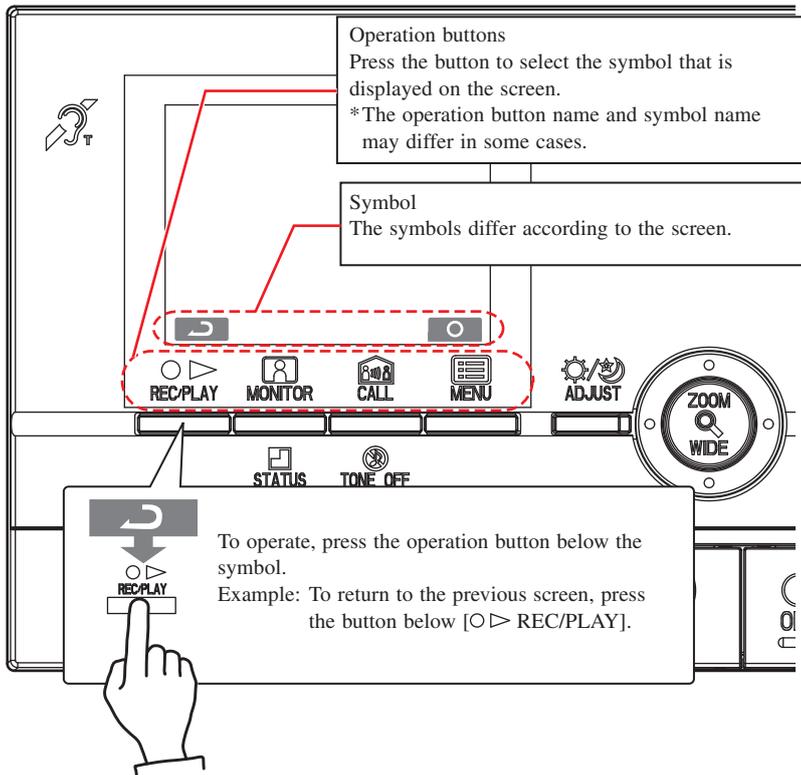
To operate this unit, check the symbol and then press the appropriate operation button.  
This unit does not have touch-panel operation.

- ⚠ Do not press on the LCD or subject it to high impact.  
The LCD glass could break which could result in an injury.

### Main symbols and function descriptions

Symbol	Function description
	To manually record
	To return to the previous screen
	To display the previous (more recent date/time) picture
	To play the recorded pictures
	To display the next (older date/time) picture
	To save or erase an image
	To erase a recorded image
	To fast forward the play screen
	To pause the play screen
	To advance the play screen frame by frame
	To reverse the play screen frame by frame
	To turn off the overlay
	To save recorded pictures
	To perform monitoring
	To perform room-to-room communication
	To perform setting

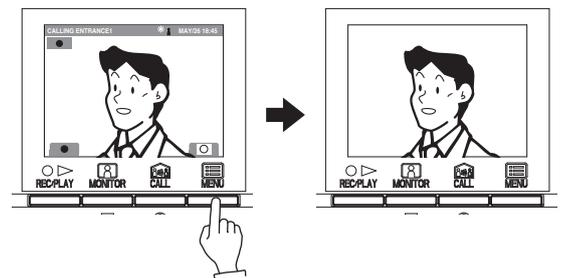
\*Setting can be saved by pressing  
 ZOOM/WIDE button.



### 1-1 Turning off the overlay

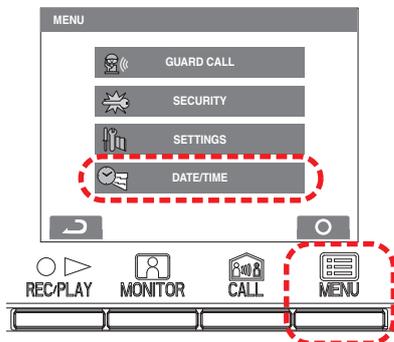
is displayed on the screen while video images are played. Press the [MENU] button to turn off the overlay (date, time, symbols, etc.) so that the entire picture is visible.

Press [MENU] again to turn the overlay back on.

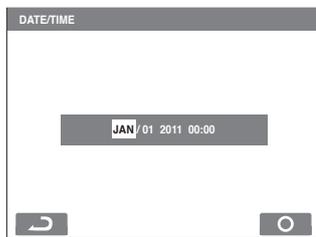


## 1-2 Setting the date and time

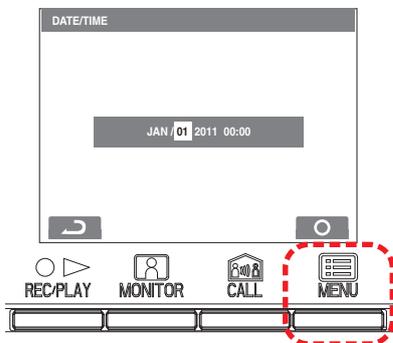
- In standby mode, press the [MENU] button.
  - During initial setup, skip step 2 and go to step 3.
- Press the [▲] or [▼] button to select "DATE/TIME", then press the [MENU] button.



- On the "DATE/TIME" screen, press the [▲] or [▼] button to select the "Month".



- Press the [▶] button to set the "Month" and the cursor will move to "Day".



- Perform the same steps to set the "Day", "Year", "Hour" and "Minute". After setting the "Minute", press the [MENU] button to save the settings.
- Press the [OFF] button to return to standby mode.



Button operations for setting the date and time

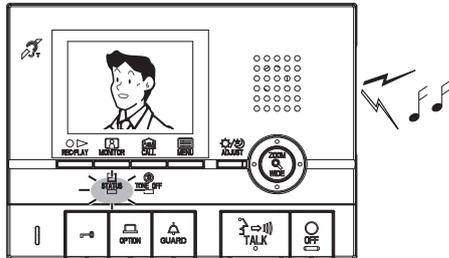
Button	Operation	Effect
▲	Press once	The date or time increases by one.
	Press and hold for 1 second or more	The date or time increases in succession.
▼	Press once	The date or time decreases by one.
	Press and hold for 1 second or more	The date or time decreases in succession.
◀	Press once	The cursor moves to the left.
▶	Press once	The cursor moves to the right.
MENU	Press once	The settings are saved.

- NOTES:
- If there are no operations for approximately 1 minute during the setup, the setting mode will end automatically. If the settings end while incomplete, nothing will be saved.
  - A maximum difference of  $\pm 60$  seconds can occur in the displayed time over a month. Periodically adjusting the time setting is recommended.
  - When power is not supplied to the unit for more than 30 minutes, the set time will return to the default "JAN/01/2011 00:00", and the STATUS LED (orange) will flash with a long interval.
  - If the security sensor is not installed, "SECURITY" will not display in step 2.

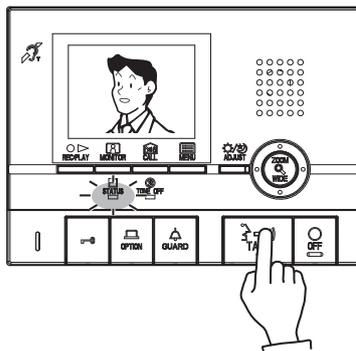
## 2 RECEIVING CALLS

### 2-1 Answering a call

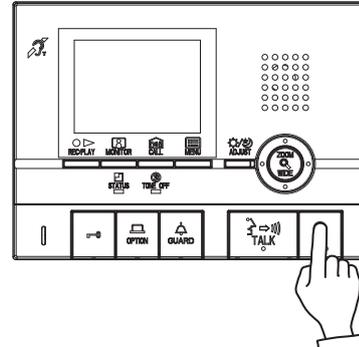
- 1** When a call is received from an entrance station, guard station, or door station, a call tone will sound and the STATUS LED flashes. If the station has a camera, video will be displayed on the screen. If the station is called from their doorbell, a call tone sounds. (Communication is not possible.)



- 2** Press the [TALK] button once, and after the beep, communicate hands-free. Hands-free communication starts when the STATUS LED switches from flashing to steadily lit. The transmit LED lights when talking, and turns off when listening to the caller (or hear outside sounds).
- If the [TALK] button is pressed for at least one second while talking hands-free, a beep will be emitted and push-to-talk communication begins.
  - In push-to-talk communication, press the [TALK] button to talk and release it to listen.
  - Calling turns off after a set amount of time if there is no answer. (Turning off occurs after 45 seconds for the direct select entrance station.)
  - Listening is possible with hearing aids with T-mode. (GT-2C-L/ GT-2H-L only)
  - On a sub residential/tenant station the STATUS LED also switches from flashing to steadily lit.



- 3** When done communicating, press the [OFF] button. The STATUS LED will turn off.

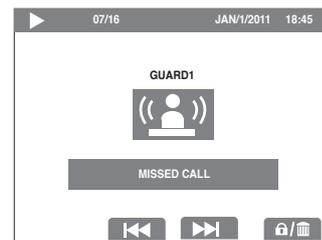


- NOTES:**
1. If the call tone volume is turned off, the TONE OFF LED will flash with a long interval.
  2. When push-to-talk is disabled, push-to-talk communication cannot be used.
  3. During communication, it is not possible to switch back to hands-free communication from push-to-talk communication.
  4. The communication will end automatically after approximately 1 minute when hands-free communication is made at the residential/tenant station or after approximately 3 minutes when the handset is used.

**⚠** The unit emits an electromagnetic field. If a hearing aid with T-mode is brought too close to the unit, this may cause ear pain. (GT-2C-L/GT-2H-L only)

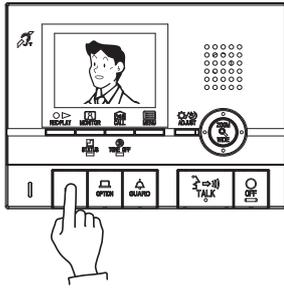
### Display missed calls from guard station (residential/tenant station)

When a call from a guard station is not answered, a missed call image is recorded (counted as 1 recording). The name of the guard station is also displayed.



## 2-2 Door release

1 Press the [ ] button while in communication with the entrance station.



2 Door release is activated at the entrance station. [ ] is displayed for approx. 5 sec. at the residential/tenant station. (This does not exactly correspond to the door release status of the entrance station.)

- If the entrance station has a camera, the door release will also be activated during call.

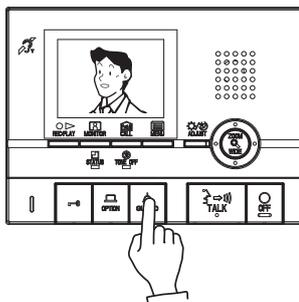


NOTE: If door release output from GT system is connected to an access control system, door release will be activated based on the access control settings.

## 2-3 Light control

Turning the entrance light on when a light is installed in the common area

1 Press the [ ] button once during entrance station calling, communicating, or monitoring.



2 The light at the entrance will only turn on for the preset time duration.



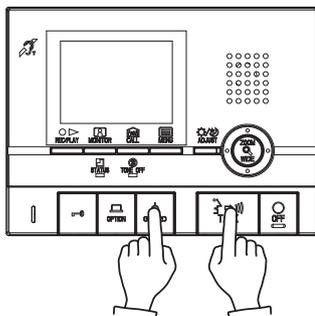
NOTE: This function is not available if a surveillance camera is installed in the common area. (Refer to section 5-6)

## 2-4 Doctor call (Residential/tenant station)

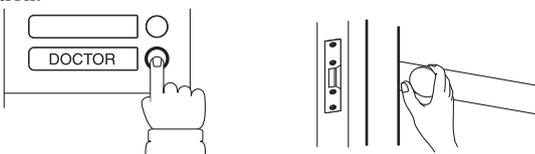
When the specified residential/tenant station is called using Doctor call (automatic entry), the electric lock is automatically released without a door release operation from the residential/tenant station.

1 In standby mode, press the [ ] button while pressing the [ ] button. Press the button once more to disable the Doctor call function.

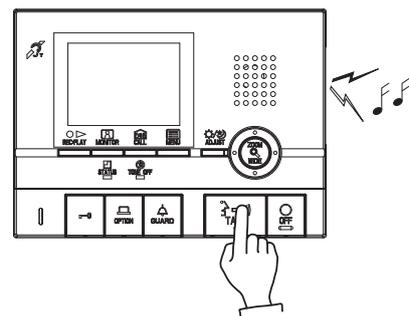
- When the Doctor call function is enabled, the TONE OFF LED flashes at approximately 3 second intervals.
- When the call tone is set to "off" and the Doctor call is enabled, the flashing for the Doctor call takes priority.



2 Press the CALL button of the entrance station to unlock the door without a door release operation from the residential/tenant station.



3 The residential/tenant station for which the Doctor call function is set is called. Press the [ ] button as necessary to respond.



NOTES: 1. When Doctor call is enabled, the TONE OFF LED function cannot be used. (It is possible to turn the call tone off.) When calls are transferred to the guard station, door release with Doctor call is not possible.  
2. The availability of this function depends on setup.

# 3 CALLING

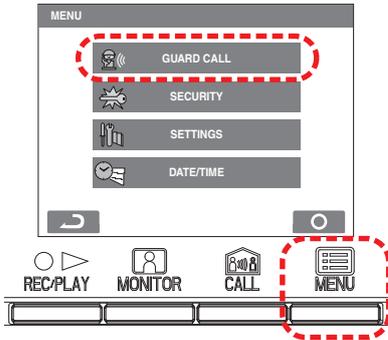
## 3-1 Calling guard stations

### 1 When calling all of the guard stations

Press the [GUARD] button while in standby mode.

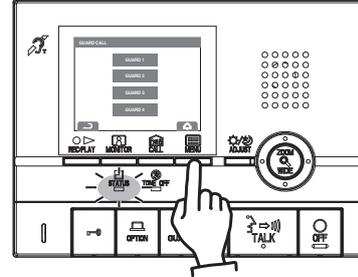
### When calling one of the guard stations

Press the [MENU] button, select "GUARD CALL", and press the [MENU] button.



### 2 Move the cursor to the guard station to be called and press the [MENU] button. The STATUS LED flashes and calls the indicated guard station.

- If there is no answer, a call record will be stored in the guard station, and notification of the call will be sent to the guard.
- The STATUS LED of the sub residential/tenant station will also flash.

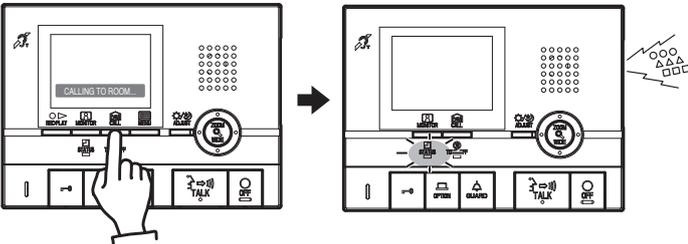


NOTE: A sub residential/tenant station can only call all guard stations simultaneously, not selectively.

## 3-2 Room-to-room calling

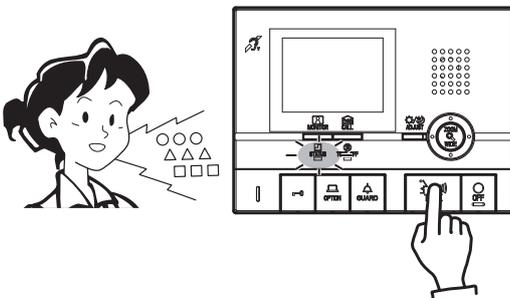
### 1 When the [CALL] button is pressed, all sub residential/tenant stations will be called.

- Call tone will be heard and STATUS LED will flash on all sub residential/tenant stations when receiving a call.
- No communication is heard until after the call is answered.



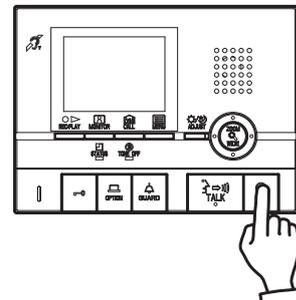
### 2 When another person presses the [TALK] button, the STATUS LED turns on and communication between two people is possible.

- Listening is possible with hearing aids with T-mode. (GT-2C-L/ GT-2H-L only)



### 3 When done communicating, press the [OFF] button.

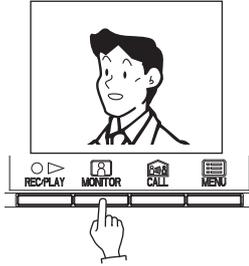
The STATUS LED will turn off.



NOTES: 1. Room-to-room communication ends automatically after approximately 10 minutes.  
2. If a call is received from the entrance station during room-to-room communication, the image from the entrance station is displayed at the residential/tenant station and sub residential/tenant station where communication is taking place. Press the [OFF] button to end room-to-room communication, then press the [TALK] button to switch communication to the calling station.

# 4 MONITORING

- 1 In standby mode, press the [MONITOR] button to display video from an individual door station (if equipped). Audio is heard at the same time. The STATUS LED will turn on.



- 2 Press the [MONITOR] button again to display video starting from entrance 1. Audio is heard at the same time.



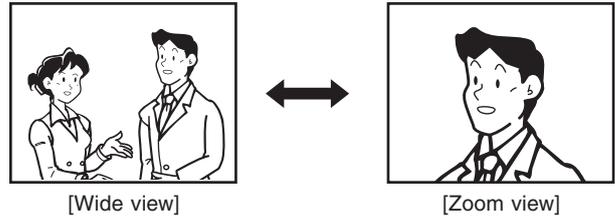
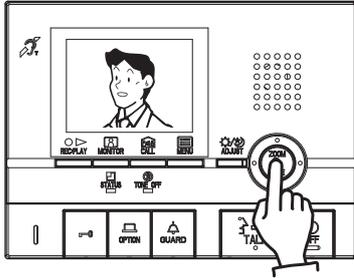
- Listening is possible with hearing aids with T-mode. (GT-2C-L/GT-2H-L only)

- NOTES:
1. If there is an operation such as a call, monitoring ends and the call operation begins.
  2. If the monitor button of a residential/tenant station at another residence is pressed, monitoring of the entrance station switches to the monitor of the residential/tenant station where the monitor button was pressed last.
  3. During monitoring, press the [TALK] button to communicate with the individual door station or entrance station being monitored.
  4. During individual door monitoring, additional sub residential/tenant stations cannot also monitor. If an attempt is made to monitor from a sub residential/tenant station during monitoring from a residential/tenant station, an alarm sound will be heard.
  5. During monitoring, the display is preset to the wide view. If the [ZOOM/WIDE] button is pressed, the display changes to the zoom view.
  6. When an individual door is being monitored, the illuminator LED will not turn on at night until the TALK button is pressed.
  7. Monitoring will automatically end after 30 seconds.
  8. It will take a moment after pressing the MONITOR button for the video to display. Wait for video to display before performing the next button operation.
  9. This function may not be usable depending on the equipment being used.

# 5 OPERATION DURING COMMUNICATION AND MONITORING

## 5-1 ZOOM/WIDE switching

- 1 Press the [ZOOM/WIDE] button when video is displayed.
  - Switching between zoom ⇌ wide occurs each time the button is pressed.



NOTES: 1. When the caller is not shown in the center of the picture, the zoom view can be moved up, down, left, and right. (Refer to section 5-2.)

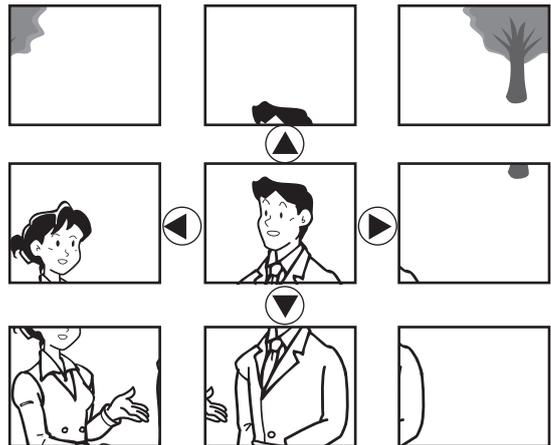
2. For an individual door, when the display changes from the wide view to the zoom view, the zoom view starts at the preset (section 5-3) position.

3. The wide view may be distorted in comparison with the zoom view due to the characteristics of the camera, but this is not a malfunction.

## 5-2 Pan/tilt operation

- 1 When a zoom view is displayed, press the [▲], [▼], [◀], or [▶] buttons.

- [▲]: Up
- [▼]: Down
- [◀]: Left
- [▶]: Right
- Moving diagonally is also possible.



NOTES: 1. The image range of the zoom view and wide view differs. The edges of the wide view do not display with the zoom view.

2. At night, due to reduced lighting on subjects, subjects may become blurry and difficult to see if the zoom view is moved up, down, left, or right. (The same thing occurs with moving subjects.)

## 5-3 Individual door zoom view preset (Residential/tenant station)

A zoomed view can be preset for calls received from the individual door.

- When switching from the wide view to the zoom view, the zoom view displays starting from the preset position.

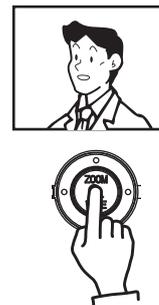
- 1 When an individual door zoom view is displayed, press the [▲], [▼], [◀], or [▶] button. (Ex. Pressing the [▲] button moves the view up.)
  - While viewing video, set the desired view position.

NOTES: 1. To change the zoom view position, perform the zoom view settings again. The previous settings will be overwritten.

2. The zoom view position set with the residential/tenant station will also be displayed at the sub residential/tenant station.  
\* Presets cannot be set from a sub residential/tenant station.

3. The view will display according to the individual door call record setting.

- 2 Press the [ZOOM/WIDE] button (for at least 2 seconds).
  - A beep will sound and the preset view setting will be saved.

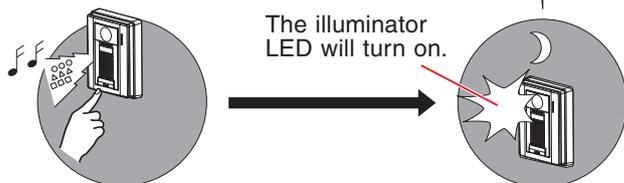


## 5-4 Night illumination

At night, the illuminator LED turns on during an entrance station or individual door station calling and communicating.

### When a call is made from an entrance station or individual door station

- 1 If the call button of the entrance station or individual door station is pressed, the illuminator LED will turn on.

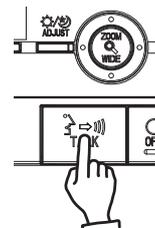


- 2 When communication ends, the illuminator LED will turn off.

### Lighting up the illuminator LED when monitoring an individual door station

1. Be aware that inside sound can be heard at the entrance.
2. For entrance stations, the LED turns on, when monitoring starts.

- 1 When the [TALK] button is pressed during monitoring, communication starts and the illuminator LED will turn on.



- 2 When communication ends, the illuminator LED will turn off.

NOTES: 1. Distinguishing between day and night is automatically done by the entrance station or individual door station.  
2. Operation will vary depending on the entrance station setting and individual door night illumination setting.

## 5-5 Backlight adjustment and night sensitivity adjustment

### Day

When a unit is installed at an entrance or individual door where backlighting makes viewing difficult, adjustment for easier viewing can be performed.

- 1 When the video is difficult to see, press the [ADJUST] button to adjust for lighting.
- 2 For an individual door, press the [ADJUST] button for at least 2 seconds to set the mode being displayed (residential/tenant station only).

NOTES: 1. [ADJUST] is displayed during "Backlight adjustment".  
2. When another call is placed, entrance stations will display using the default setting while individual door stations will display using the mode that was last set.

### Night

At night or when the area around the entrance or an individual door is dark, adjustment for easier viewing can be performed.

- 1 When the video is difficult to see, press the [ADJUST] button to switch between "Night adjustment" and "No adjustment".

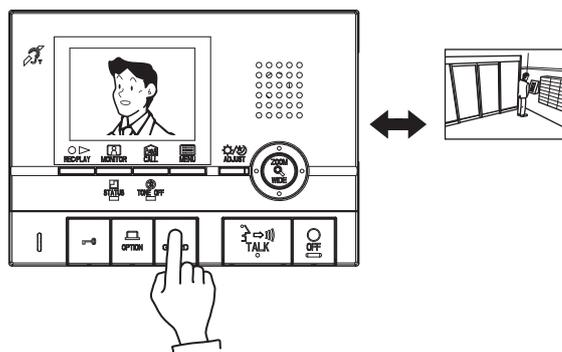
NOTES: 1. [ADJUST] is displayed during night adjustment.  
2. When another call is placed, both the entrance and individual door stations will disregard any previous adjustments.  
3. Distinguishing between day and night is automatically done by the entrance station or individual door station.  
4. Pressing the [ADJUST] button at night makes the caller's face easier to see, but moving subjects may be more difficult to see.

## 5-6 Switching to surveillance camera video in a common area

When a surveillance camera is installed in the common area

Press the [GUARD] button during calling from the entrance station, communication with the entrance, or entrance monitoring to switch to the surveillance camera video. [GUARD] will display.

Press the button again to return to the entrance station video.



NOTE: While switching between the entrance camera and surveillance camera in common area, the image on the monitor may become momentarily distorted, but this is not a malfunction.

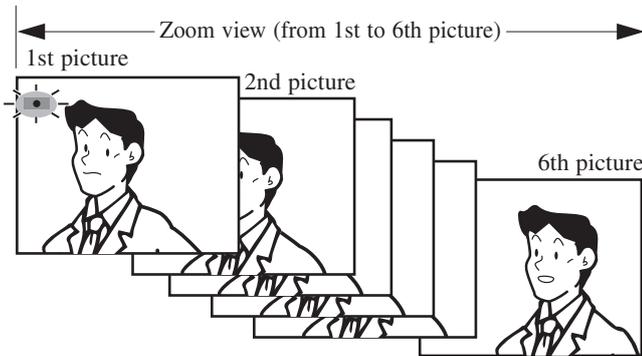
# 6 RECORDING AND PLAYING (Residential/tenant station)

## 6-1 Automatic recording

If a call is received from an entrance station or individual door station, recording starts automatically. During recording, the  symbol flashes on the screen.

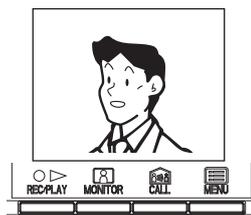
- Recording starts approximately 2 seconds after the CALL button of an entrance station or individual door station is pressed. A maximum length of approximately 6 seconds can be recorded, with 1 picture saved per second.
- With default settings, pictures are automatically saved. All six pictures are zoom pictures at the preset position.
- A maximum of 40 recordings can be saved (combined total of automatic recording and manual recording). When 40 recordings are exceeded, new recordings overwrite old recordings starting from the oldest recorded date. (Up to 10 recordings can be protected from being overwritten.)
- Automatic recording will also start if a call is made from an entrance station or individual door station that is being monitored.
- When a call from the guard station is not answered, a missed call is recorded in the call record.
- If a higher priority operation occurs during recording, recording stops and the higher priority operation continues.

- NOTES:
1. The automatic recording function cannot be cancelled.
  2. Pictures recorded at individual door stations are recorded using the method that has been set. Picture recording at entrance stations is set in advance (section 8-4). However, if switching between zoom and wide is performed during automatic recording, the displayed picture will be recorded.
  3. Automatic recording is not triggered while monitoring. To record during monitoring, press the [O▷ REC/PLAY] button (section 6-2).
  4. During installation, if a zoom ⇔ wide range is set in the entrance station call picture settings, the number of recorded pictures may not switch between 3 zoom pictures ⇔ 3 wide pictures.
  5. If switching of the surveillance camera in common area is performed during recording, a distorted picture may be recorded, but this is not a malfunction.



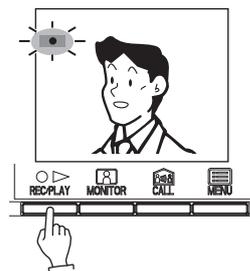
## 6-2 Manual recording

1 Display video to be manually recorded.



- NOTES:
1. Manual recording is not possible during automatic recording (for approximately 7 seconds after receiving a call from an entrance station or individual door station).
  2. After the end of automatic recording (approximately 7 seconds after receiving a call from an entrance station or door station), recording of another image in addition to the automatically recorded image can be performed.

2 Press the [O▷ REC/PLAY] button. The  symbol flashes on the screen and recording starts.

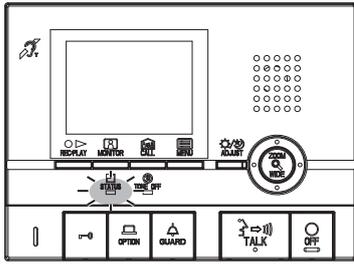


- A maximum length of approximately 6 seconds can be recorded, with 1 picture saved per second.
- A maximum of 40 recordings can be saved (combined total of automatic recording and manual recording). When 40 recordings are exceeded, new recordings overwrite old recordings starting from the oldest recorded date. (Up to 10 recordings can be protected from being overwritten.)
- If a higher priority operation occurs during recording, recording stops and the higher priority operation continues.

NOTE: If switching of the surveillance camera in common area is performed during recording, a distorted picture may be recorded, but this is not a malfunction.

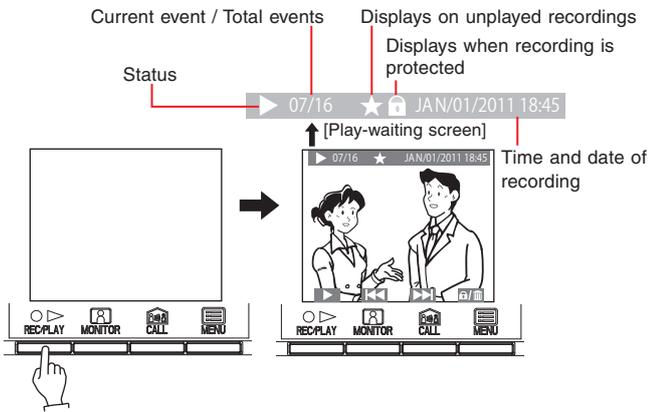
## 6-3 Playing recordings

If there are new recordings, the STATUS LED flashes with a long interval during standby mode.



1 Press the [○▷ REC/PLAY] button during standby mode to display the recording with the most recent date and time.

- [ ] displays on the screen when there are no recorded pictures.

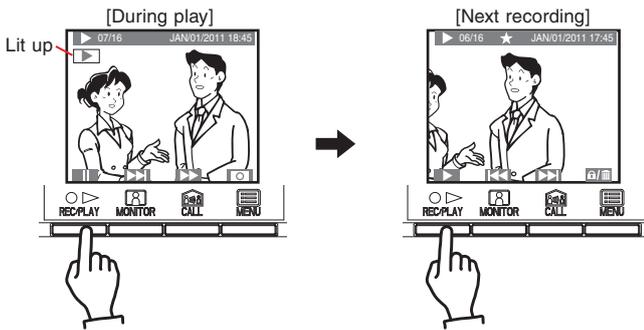


In addition, the operations shown below are also possible on the play-waiting screen.

- [ ] MONITOR] button:  
To display the next (more recent date/time) recording.  
Press and hold the button to view the first picture of each recording in succession from oldest to newest.  
(If the [ ] MONITOR] button is pressed while the picture with the most recent date and time is displayed, the picture with the oldest date and time will display.)
- [ ] CALL] button:  
To display the previous (older date/time) recording.  
Press and hold the button to view the first picture of each recording in succession from newest to oldest.
- [ ] MENU] button:  
To save or erase an image. (Refer to sections [6-4] and [6-5].)

NOTE: The recorded pictures are displayed in order based on the date set during recording.

2 Press the [○▷ REC/PLAY] button on the play-waiting screen. The recording is played. When the recording finishes playing, the next recording is displayed.



The operations shown below are possible during play.

- [○▷ REC/PLAY] button:  
To pause play.
- [ ] MONITOR] button:  
To display the next (older date/time) recording.
- [ ] CALL] button:  
To fast forward.
- [ ] MENU] button:  
The symbols on the screen can be turned on and off.

3 When advancing the play screen frame-by-frame, press the [○▷ REC/PLAY] button during playback to pause. The play advances frame-by-frame each time the [ ] CALL] button is pressed.

4 Press the [○ OFF] to end playback.

In addition, the operations shown below are also possible during pause.

- [○▷ REC/PLAY] button:  
To return to the play screen.
- [ ] MONITOR] button:  
The play is reversed frame by frame each time the button is pressed.
- [ ] CALL] button:  
The play advances frame by frame each time the button is pressed.
- [ ] MENU] button:  
To move to the next recording.

NOTES: 1. If there are no operations for at least approximately 1 minute, the screen will turn off automatically.  
2. If a call is received during play, the call tone sounds and playback will end.

## 6-4 Saving recordings

10 recordings can be saved (out of a maximum of 40 recordings). Saved recordings cannot be overwritten.

- 1 Display the recording to be saved on the play-waiting screen. (Refer to section [6-3].)

Press the [MENU] button to display the save/erase selection screen.



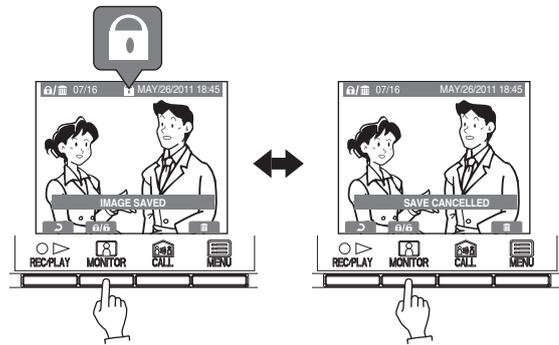
NOTES: 1. "CANNOT BE SAVED. MAX 10 IMAGES" is displayed if the number of possible saves is exceeded.  
2. Canceled recordings are not erased immediately, but they will be overwritten if the number of recordings is exceeded.

- 2 Press the [MONITOR] button.



- 3 [MONITOR] is displayed when saving is performed. If the recording has already been saved, the save is canceled.

Each time the [MONITOR] button is pressed, the operation switches between save and cancel.

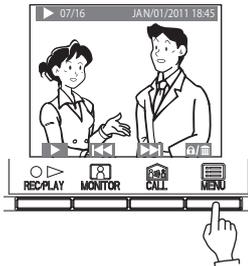


## 6-5 Erasing recordings

It is also possible to erase saved recordings. Recordings can only be erased one at a time.

- 1 Display the recording to be erased on the play-waiting screen. (Refer to section [6-3].)

Press the [MENU] button to display the save/erase selection screen.

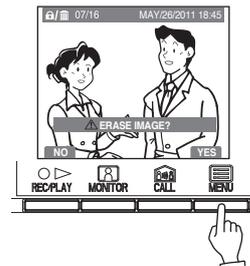


- 2 Press the [MENU] button.



- 3 Press the [MENU] button to erase the recording.

Press the [REC/PLAY] button to cancel.

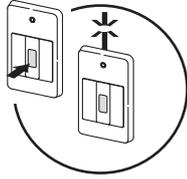


NOTES: 1. Once a recording is erased, it cannot be restored.  
2. When there are multiple recorded pictures, the next (older date) picture displays when erasing is completed.

# 7 ALARMS AND RELATED INFO

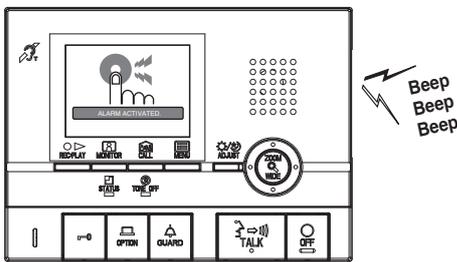
## 7-1 Emergency alarm

1 Press and lock the emergency alarm switch (or when there is a line-off activation).

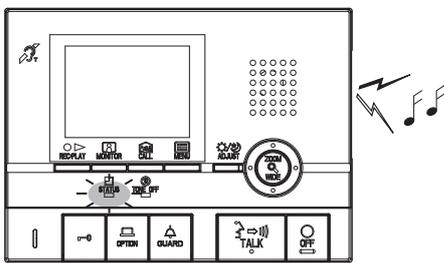


2 An alarm will sound from the residential/tenant station, and a warning signal will be sent to the guard station. An emergency screen is displayed on the monitor.

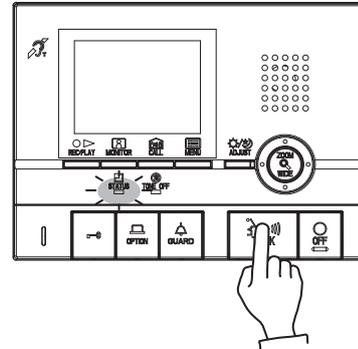
- Emergency screen will not display on sub residential/tenant stations.



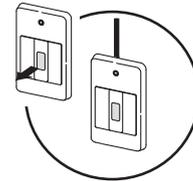
3 When there is a call from the guard station, the alarm sound will change to a call tone. The STATUS LED flashes.



4 Press the [TALK] button to communicate with the guard station. The STATUS LED will turn on. After communication, the emergency alarm will begin to sound again.



5 Release the lock position of the emergency alarm switch to return to standby (restore the system to normal status).

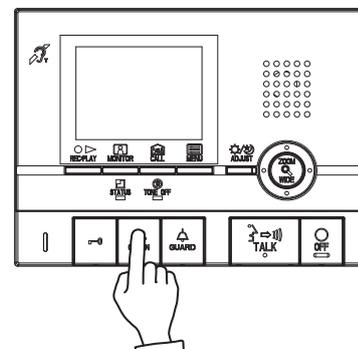


- NOTES:
- On the residential/tenant station, the emergency alarm and call tone will be emitted at level 10 (HIGH) volume, regardless of the volume setting.
  - The emergency alarm function can be activated even while the system is in use.
  - Residential/tenant stations within the same residence will be unable to receive normal calls or doorbell calls while the emergency alarm is sounding. It is only possible to respond to calls from the guard station.
  - During the emergency alarm, the entrance station cannot make calls to the residential/tenant station or to the guard station that are producing emergency alarms.
  - Emergency alarms will also sound at individual door stations, and the illuminator LED will flash.

## 7-2 OPTION button

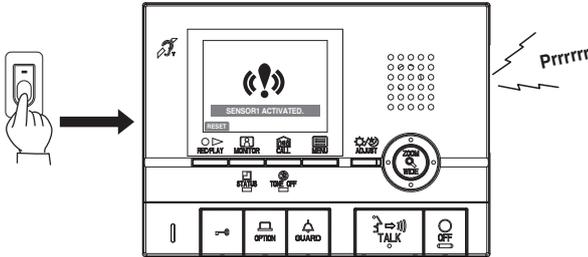
Pressing the [OPTION] button allows for the operation of connected devices, such as turning lights on and off.

NOTE: A signal is output while the [OPTION] button is being pressed. (The operation method may differ depending on the device used in conjunction with this unit.)

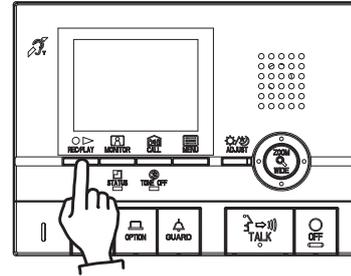


## 7-3 External calls

- When a separately-installed sensor is activated or the CALL button is pressed, the alarm sounds, and the warning screen displays on the monitor and flashes.
  - Warning screen will not display on sub residential/tenant stations.



- Press the [OFF] button or [REC/PLAY] button ([OFF] button for GT-2H-L/GT-2H) to stop the alarm sound.



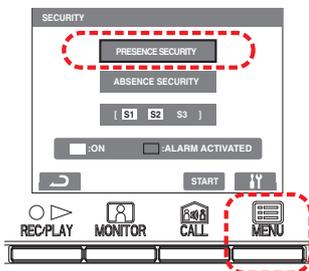
NOTES: 1. The alarm sound time is set in the external settings. (Refer to section 8-5.)  
The default setting is 10 minutes.  
2. When the alarm sound time is set for either 1 hour or continuously, the monitor warning screen will turn off after approximately 10 minutes.  
3. Even if the call tone volume is set to 0 (OFF), it will sound at level 10 (HIGH) volume.

## 7-4 PRESENCE SECURITY, ABSENCE SECURITY setting (Residential/tenant station)

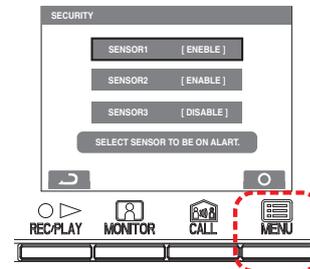
Set the security settings for individual doors and windows. According to security settings, intrusions at individual doors or windows will be detected and a security alarm will sound.

- PRESENCE SECURITY**  
Security setting for when resident is at home that is applied immediately after setting.
- ABSENCE SECURITY**  
Security setting for when resident is away that is applied after the delay time (section 8-9) elapses after setting.

- In standby, press the [MENU] button.
- Select "SECURITY" on the "MENU" screen, then press the [MENU] button.
- Select "PRESENCE SECURITY" or "ABSENCE SECURITY" on the "SECURITY" screen, then press the [MENU] button.  
(Ex.: Selection of "PRESENCE SECURITY")



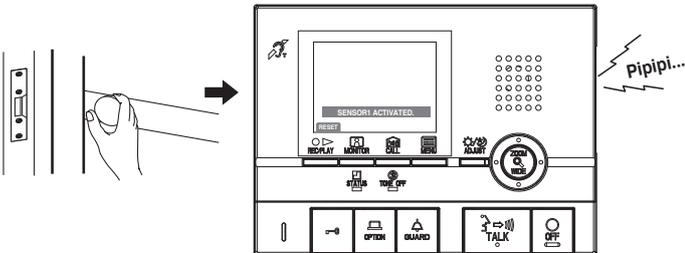
- On the "SECURITY" screen, confirm the locations that are on alert among sensors 1 through 3 (only sensors for which security settings have been performed will display). To change settings, move the cursor to the location to be changed and press the [MENU] button.
  - Locations will display according to the locations selected when settings were performed last.



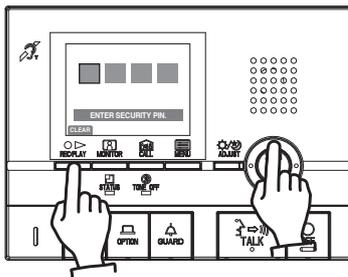
- Select "ENABLE" or "DISABLE" on the "SECURITY" screen for each sensor, then press the [MENU] button.
- Press the [REC/PLAY] button to return to the step 3 screen, move the cursor with "PRESENCE SECURITY" or "ABSENCE SECURITY" then press the [CALL] button.
- PRESENCE SECURITY is set. For "ABSENCE SECURITY", "ABSENCE SECURITY" is set after the set time elapses.
  - The STATUS LED flashes at a slow flashing.
  - If there are no operations for approximately 1 minute, the screen will turn off.
  - If selected locations are open, they will display in red and "CHECK STATUS SENSOR" will display on the screen.
  - To cancel settings, press the [MENU] button at the step 3 screen.

## 7-5 Canceling security setting after arrival (Residential/tenant station)

- When the ABSENCE SECURITY setting in [7-4] is set, if an individual door is opened, a screen will display and the alarm will sound.
  - At this time, operation other than an emergency alarm cannot be performed. Ex.: When a call is made from the entrance station, communication will not start. (The residential/tenant station is in occupied mode.)
  - Even if the call tone volume is set to 0 (OFF), it will sound at level 10 (HIGH) volume.



- Press the [○▷ REC/PLAY] to display the security PIN input screen. Input the security PIN by pressing the [▲], [▼], [◀], and [▶] buttons.
  - When a security PIN is not used, press the [○▷ REC/PLAY] button to cancel the setting.



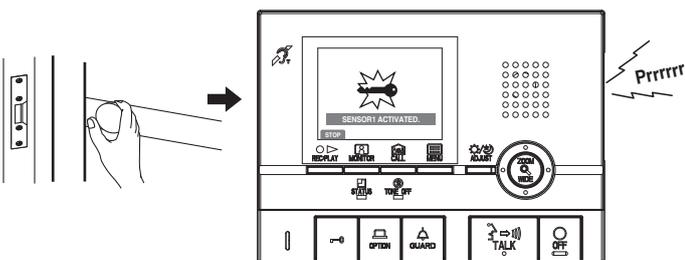
- The setting will be canceled when the security PIN is correct.
  - If the security PIN is not correct, "WRONG SECURITY PIN." will display.
  - There is no limit to the number of times the PIN can be entered, but if a correct security PIN is not entered within the set delay time (8-9) DEPARTURE TIMER, ARRIVAL TIMER setting), a security alarm sounds.

## 7-6 Canceling security alarms (Residential/tenant station)

- When the PRESENCE SECURITY setting in [7-4] is set, if an individual door is opened, the security screen will display and the alarm will sound.
 

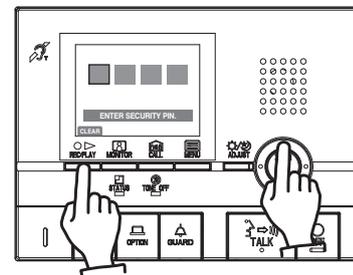
When ABSENCE SECURITY is set, the security screen will display and the alarm will sound after the DEPARTURE TIMER or ARRIVAL TIMER has elapsed.

  - Alarms will also sound at individual door stations, and the illuminator LED will flash.
  - Even if the call tone volume is set to 0 (OFF), it will sound at level 10 (HIGH) volume.



- Press the [○▷ REC/PLAY] button or the [○ OFF] button.
  - The alarm sound will stop.

- Press the [○▷ REC/PLAY] to display the security PIN input screen. Input the security PIN by pressing the [▲], [▼], [◀], and [▶] buttons.
  - When a security PIN is not used, press the [○▷ REC/PLAY] button to restore.



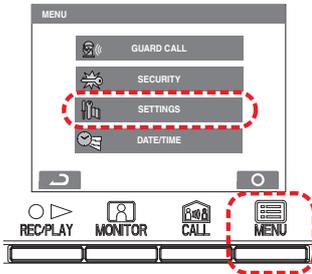
- Restoration occurs when the security PIN is correct.
  - If the security PIN is not correct, "WRONG SECURITY PIN." will display.
  - Depending on the settings at installation, an alarm may be output to a guard station.

# 8 CHANGING SETTINGS (Residential/tenant station)

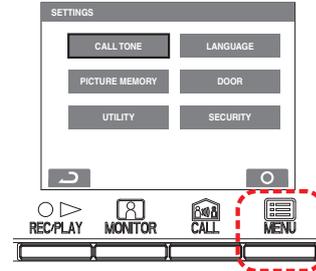
The screen may vary depending on the equipment being used.

## 8-1 Using the MENU

- 1 In standby, press the [MENU] button.
- 2 Press the [▲] or [▼] button to select "SETTINGS", then press the [MENU] button.



- 3 Press the [▲], [▼], [◀], and [▶] buttons on the "SETTINGS" screen to select the item to be confirmed, then press the [MENU] button.



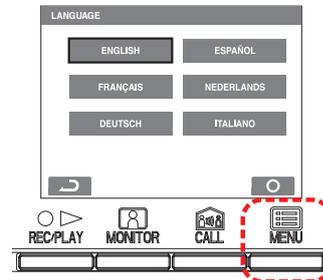
- 4 To end the settings, press the [OFF] button to return to standby mode. In other cases, set by pressing the [MENU] button. Press the [REC/PLAY] button to cancel the settings and return to the previous screen.

## 8-2 LANGUAGE setting

The default language setting is "ENGLISH".

- 1 After performing steps 1 and 2 in section 8-1, select "LANGUAGE" on the "SETTINGS" screen then press the [MENU] button.

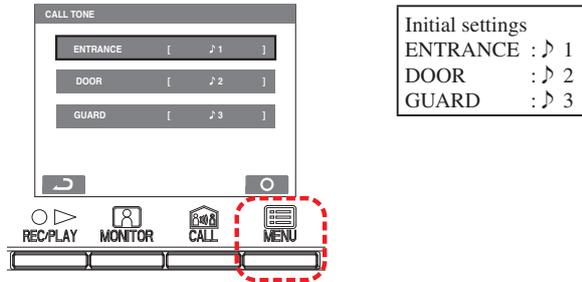
- 2 Select the desired language on the "LANGUAGE" screen. Press the [MENU] button to save the setting.



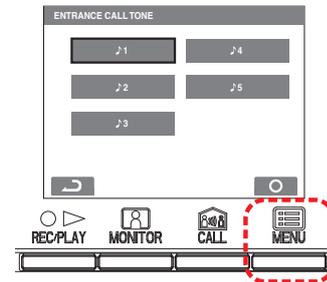
## 8-3 CALL TONE switching

Individual call tones can be selected for entrance stations, individual door stations, and guard stations from 5 sound types.

- 1 After performing steps 1 and 2 in section 8-1, select "CALL TONE" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select one from "ENTRANCE/DOOR/GUARD" on the "CALL TONE" screen, then press the [MENU] button.

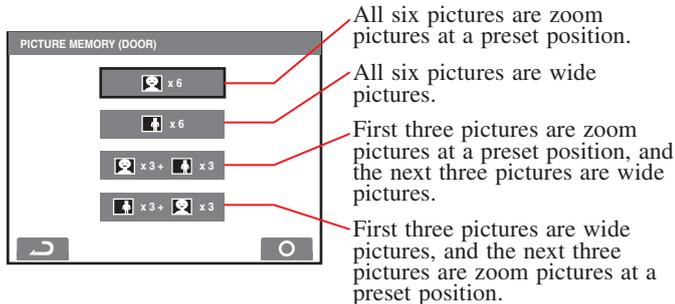


- 3 On the separate "CALL TONE" screens for "ENTRANCE/DOOR/GUARD", select the desired call tones. The selected call tone sounds. Press the [MENU] button to save the setting.
  - The sub residential/tenant station call tone will also change.



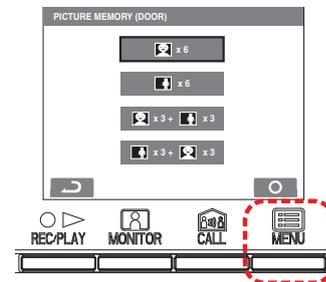
## 8-4 Picture memory setting for individual door call

For automatic recording at an individual door call, select the method for recording pictures (up to 6 for each image) from the four types shown below. In the default settings, all six pictures are zoom pictures at a preset position.



NOTE: The set picture recording method does not apply to pictures displayed during a call from the entrance station.

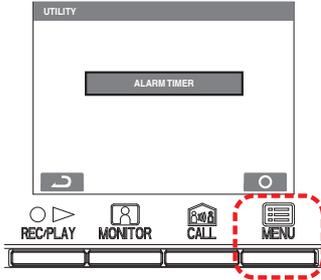
- 1 After performing steps 1 and 2 in section 8-1, select "PICTURE MEMORY" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select the picture recording method on the "PICTURE MEMORY" screen. Press the [MENU] button to save the setting.



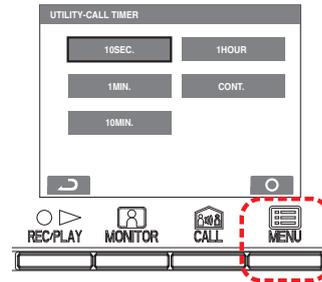
## 8-5 External call sound time duration setting

Select the external call sound time duration. The default setting is "10 MIN."

- 1 After performing steps 1 and 2 in section 8-1, select "UTILITY" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "ALARM TIMER" on the "UTILITY" screen, then press the [MENU] button.



- 3 Select the sound time on the "UTILITY-CALL TIMER" screen. Press the [MENU] button to save the setting.

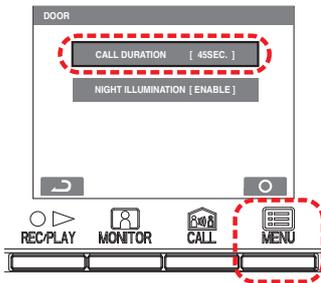


"CONT." = Continuous

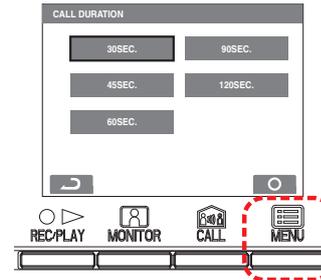
## 8-6 Individual door call time setting

Select the individual door call time. The default setting is "45 SEC."

- 1 After performing steps 1 and 2 in section 8-1, select "DOOR" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "CALL DURATION" on the "DOOR" screen, then press the [MENU] button.



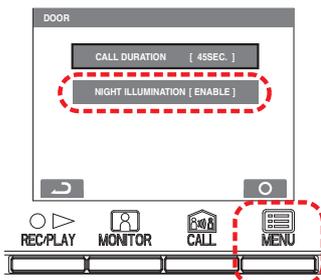
- 3 Select the call time on the "CALL DURATION" screen. Press the [MENU] button to save the setting.



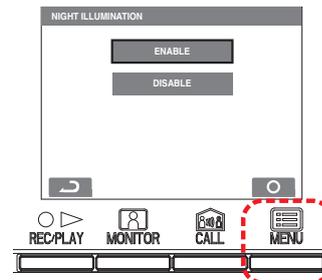
## 8-7 Individual door night illumination setting

Select whether the door station illuminator LED is enabled or disabled. The default setting is "ENABLE".

- 1 After performing steps 1 and 2 in section 8-1, select "DOOR" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "NIGHT ILLUMINATION" on the "DOOR" screen, then press the [MENU] button.



- 3 Select "ENABLE" or "DISABLE" on the "NIGHT ILLUMINATION" screen. Press the [MENU] button to save the setting.



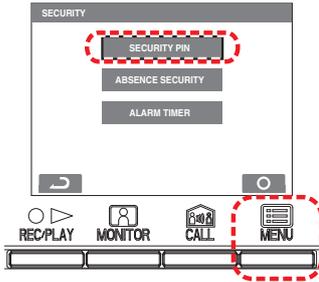
## 8-8 SECURITY PIN setting

The security PIN can be set to be used when performing PRESENCE SECURITY and ABSENCE SECURITY settings.

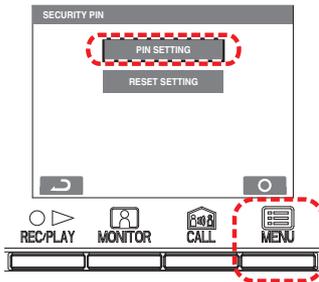
The default setting is "DISABLE". When "ENABLE" is selected, the default setting for the security PIN is [▲], [▶], [▼], and [◀].

**⚠ The security pin must be changed from the previous setting.**

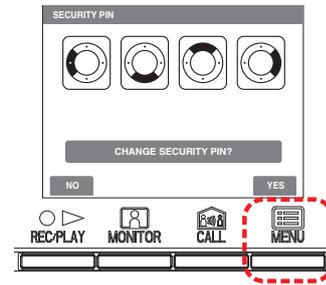
- 1 After performing steps 1 and 2 in section 8-1, select "SECURITY" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "SECURITY PIN" on the "SECURITY" screen, then press the [MENU] button.



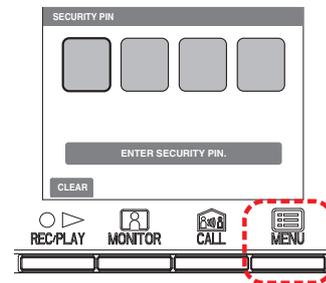
- 3 Select "RESET SETTING" on the "SECURITY PIN" screen and select whether a security PIN is used in the cancellation method.
- 4 When "ENABLE" is selected, select "PIN SETTING" on the "SECURITY PIN" screen, then press the [MENU] button.



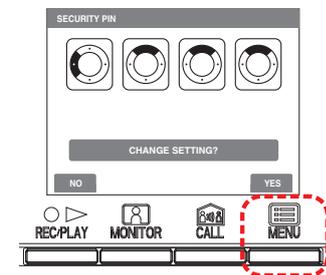
- 5 After "CHANGE SECURITY PIN?" displays on the "SECURITY PIN" screen, press the [MENU] button.



- 6 After "ENTER SECURITY PIN." is displayed, enter the security PIN with the [▲], [▼], [◀], and [▶] buttons.
  - To re-enter the security PIN from the start, press the [REC/PLAY] button.



- 7 When settings for the 4 items are input, "CHANGE SETTING?" is displayed. Press the [MENU] button to save the settings.



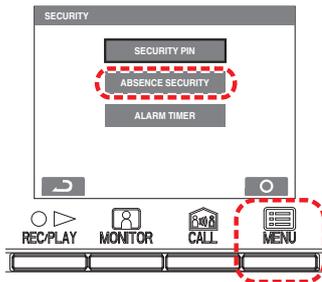
## 8-9 DEPARTURE TIMER, ARRIVAL TIMER setting

With ABSENCE SECURITY, the delay time from when an action causing a warning response is detected to when a warning is sent can be set. The default setting is "60 SEC."

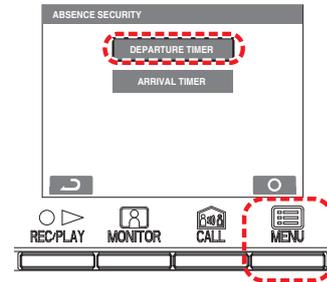
DEPARTURE TIMER = Time from when ABSENCE SECURITY is set to when user leaves

ARRIVAL TIMER = Time from when user arrives to when ABSENCE SECURITY is canceled

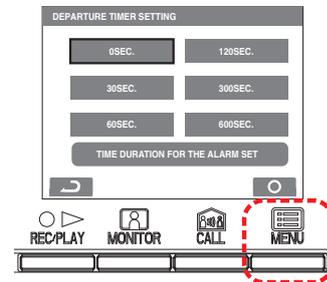
- 1 After performing steps 1 and 2 in section 8-1, select "SECURITY" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "ABSENCE SECURITY" on the "SECURITY" screen, then press the [MENU] button.



- 3 Select "DEPARTURE TIMER" or "ARRIVAL TIMER" on the "ABSENCE SECURITY" screen, then press the [MENU] button. (Ex.: Selection of "DEPARTURE TIMER")



- 4 Select the delay time on the "DEPARTURE TIMER SETTING" screen, then press the [MENU] button. Repeat the same operation for the "ARRIVAL TIMER" screen.

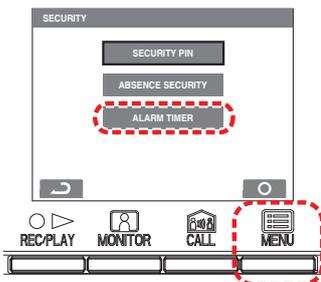


- NOTES: 1. Setting the "DEPARTURE TIMER" to "0 SEC." will make a security alarm sound immediately when a door or window is opened when ABSENCE SECURITY is set.
2. Setting the "ARRIVAL TIMER" to "0 SEC." will make a security alarm sound immediately when a door or window is opened after arrival.

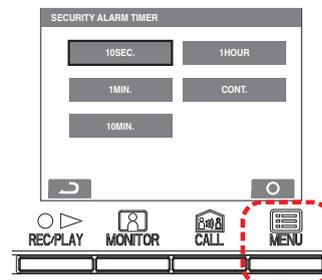
## 8-10 Security alarm sound duration time setting

Select the security alarm sound time duration. The default setting is "10 MIN."

- 1 After performing steps 1 and 2 in section 8-1, select "SECURITY" on the "SETTINGS" screen and press the [MENU] button.
- 2 Select "ALARM TIMER" on the "SECURITY" screen, then press the [MENU] button.



- 3 Select the sound time on the "SECURITY ALARM TIMER" screen. Press the [MENU] button to save the setting.



"CONT." = Continuous

# FOR PROPER USE OF THE STATION

## 1 TECHNICAL PRECAUTIONS

- The video image may distort when the door release is activated. This is not a station malfunction.
- If a zoom/wide or pan/tilt operation is performed during communication with the entrance station, noise will be produced at the entrance station. This is not a malfunction.
- If there is a system malfunction, contact a qualified technician for service.
- Cleaning:  
Clean the units with a soft cloth dampened with a neutral household cleanser. Do not use any abrasive cleaner or cloth.  
**CAUTION:** Do not use chemicals such as thinner or benzene. In addition, do not use a scrub brush, sandpaper, etc. Otherwise the unit surface could be damaged or discolored.

## 2 TROUBLESHOOTING

If the unit fails to operate normally, check the following points to determine whether the fault can be corrected by the simple measures suggested. If it cannot be corrected, or the fault is not listed in the "Symptom" column, contact your administrator or the system supplier.

Symptom	Cause	Solution
The screen is white, or white vertical lines and rings are displayed.	The lens of the entrance station or the door station is illuminated by bright light such as sunlight. (This is not a malfunction.)	Touching the ADJUST button may relieve the symptom.
The screen is hard to see because it is light or dark.	The screen brightness may be incorrectly set.	Adjust the screen brightness control.
The speaker volume does not change during communication with the handset.	The speaker volume can be adjusted in Hands-free mode only. When using the handset, the speaker volume cannot be adjusted.	-
The call tone from the entrance station or the door station/doorbell does not sound.	The call tone volume is set to "0."	Adjust the call tone volume.
Communication cannot start even if the TALK button is pressed.	The speaker volume is set to "0".	Adjust the speaker volume control during communication.
During a call or communication, overlay (date, time, etc.) disappeared from the screen.	The MENU button was pressed while the screen was displayed.	Press the MENU button again to make the overlay (date, time, etc.)
Communication is interrupted, or it becomes a one-way conversation.	Loud sounds around this station, entrance station, or door station.	Because of auto-voice actuation, audio may be interrupted when a surrounding sound is loud. In that case, press and hold the TALK button to enable the push-to-talk function.
There is no response when the guard station call button is pressed.	A guard station is not installed.	Contact your administrator.
The station does not work at all.	The power may be off.	Contact your administrator.
The STATUS LED is flashing during standby.	There may be recorded pictures that have not played, or the date and time may not be set.	Check the related page in addition to the indication patterns of the STATUS LED.
You want to output the video during a call to external devices.	Video output equipment must be installed.	Contact your administrator.
You want to view recorded pictures on the sub residential/tenant station (GT-2H, GT-2H-L).	Recorded pictures can be viewed on the residential/tenant station (GT-2C, GT-2C-L) only.	-
You want to export recorded pictures to another media.	It is not possible to export recorded pictures. You can view them on this station only.	-

## 3 SPECIFICATIONS

Power supply	DC 24 V (from power supply)
Current consumption	GT-2C-L (MAX) Approx. 390mA
	GT-2H-L (MAX) Approx. 240mA
	GT-2C (MAX) Approx. 260mA
	GT-2H (MAX) Approx. 110mA
Communication	Push-to-talk
	Hands-free (Auto-voice actuation)
Ambient temperature	0 - 40°C (32°F - 104°F)
Screen	3.5 inch TFT color LCD monitor
Mounting	Wall-mount

Material	Plastic
Color	White
Dimensions	140 (H) × 190 (W) × 30 (D) (mm)
	5-1/2 (H) × 7-1/2 (W) × 1-3/16 (D) (inches)
Mass	GT-2C-L Approx. 520 g (1.15 lbs.)
	GT-2C Approx. 470 g (1.04 lbs.)
	GT-2H-L Approx. 480 g (1.06 lbs.)
	GT-2H Approx. 440 g (0.97 lbs.)

## 4 REGULATIONS

### FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### INDUSTRY CANADA

CAN ICES-3 (B)/NMB-3(B)

### WEEE

The object area of  is the EU.

## 5 WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of 2 years after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, power surge, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. This warranty is limited to the standard specifications listed in the operation manual. This warranty does not cover any supplementary function of a third party product that is added by users or suppliers. Please note that any damage or other issues caused by failure of function or interconnection with Aiphone products is also not covered by this warranty. Aiphone will not be responsible for any costs incurred involving on site service calls. Aiphone will not provide compensation for any loss or damage incurred by the breakdown or malfunction of its products during use, or for any consequent inconvenience or losses that may result.


**AIPHONE**®  
*Providing Peace of Mind*  
<http://www.aiphone.net/>