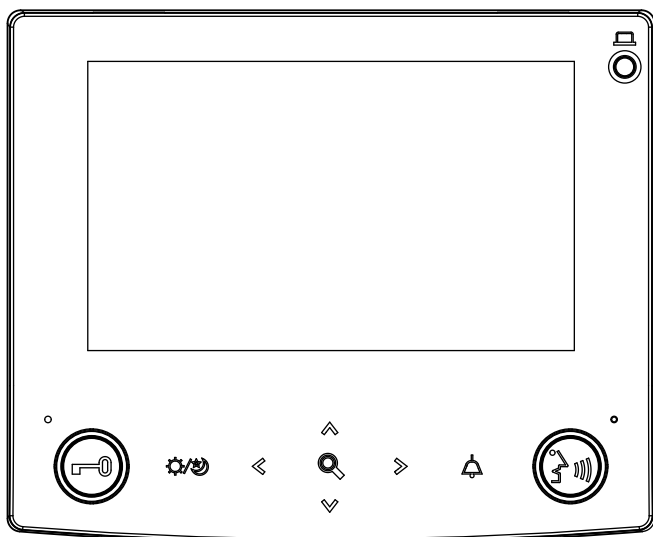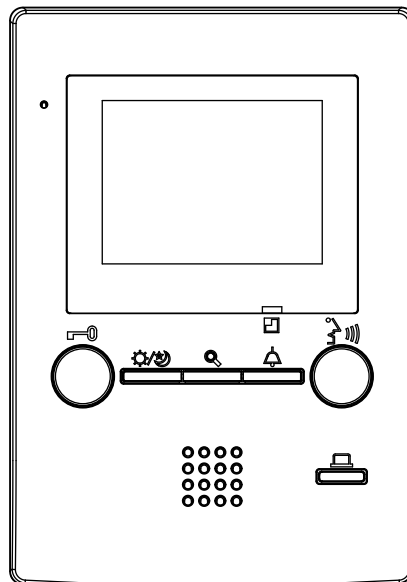# AIPHONE

GT-1C7-L/GT-1C7
GT-1M3-L/GT-1M3

Residential/Tenant Station

OPERATION MANUAL

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

Thank you for selecting Aiphone for your communication needs.
* Please read this manual for safe and correct use of the system, and keep this 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**   ❶ **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.

❶ 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. 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. 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.
5. Avoid using this unit in places under direct sunlight. If it is unavoidable, block out light during use.
6. 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.
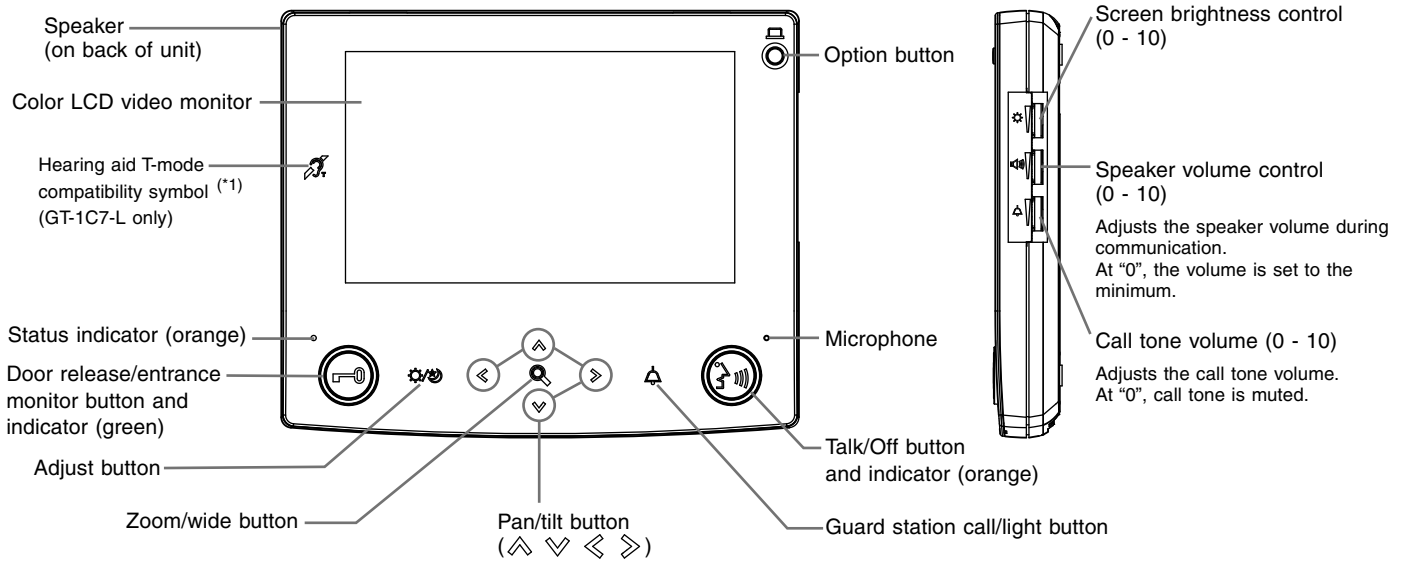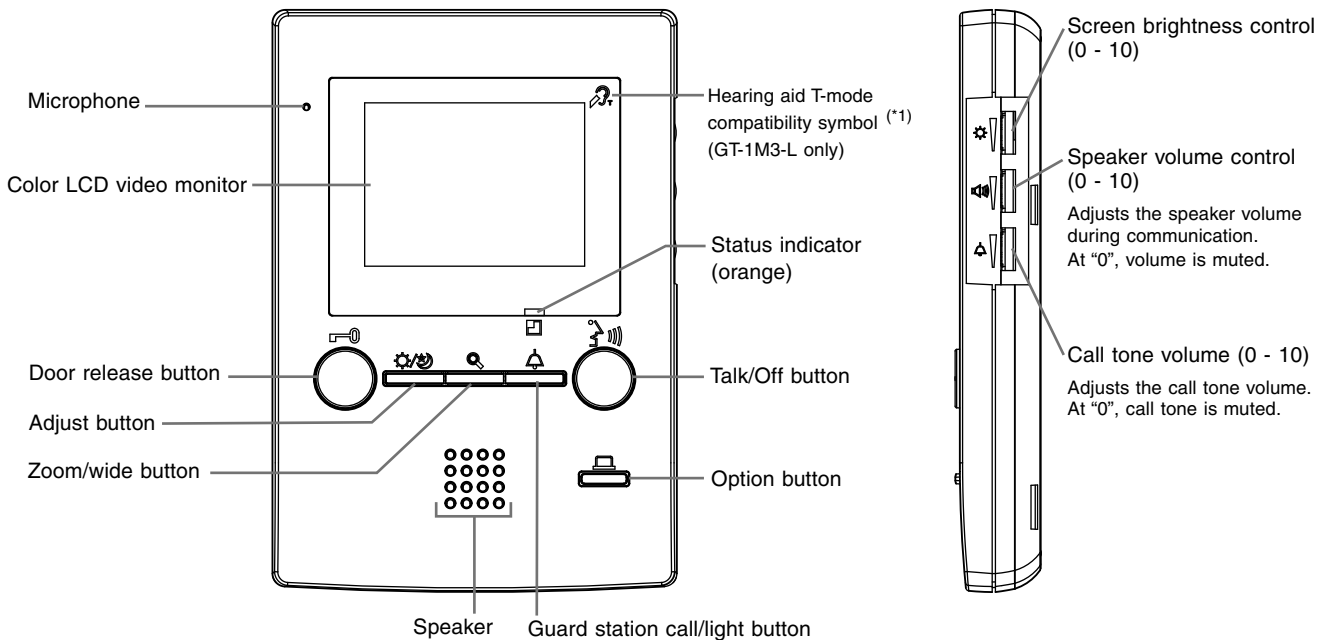
Table of Contents

PART NAMES AND FUNCTIONS

1 | OPERATION PANEL

GT-1C7-L/GT-1C7

Speaker (on back of unit)

Color LCD video monitor

Hearing aid T-mode compatibility symbol (*1) (GT-1C7-L only)

Status indicator (orange)

Door release/entrance monitor button and indicator (green)

Adjust button

Zoom/wide button

Pan/tilt button
($\wedge$ $\vee$ $\ll$ $\gg$)

Option button

Microphone

Talk/Off button and indicator (orange)

Guard station call/light button

Screen brightness control (0 - 10)

Speaker volume control (0 - 10)

Adjusts the speaker volume during communication.
At "0", the volume is set to the minimum.

Call tone volume (0 - 10)

Adjusts the call tone volume.
At "0", call tone is muted.

GT-1M3-L/GT-1M3

Microphone

Color LCD video monitor

Door release button

Adjust button

Zoom/wide button

Speaker

Guard station call/light button

Hearing aid T-mode compatibility symbol (*1) (GT-1M3-L only)

Status indicator (orange)

Talk/Off button

Option button

Screen brightness control (0 - 10)

Speaker volume control (0 - 10)

Adjusts the speaker volume during communication.
At "0", volume is muted.

Call tone volume (0 - 10)

Adjusts the call tone volume.
At "0", call tone is muted.

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

2 INDICATORS

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3
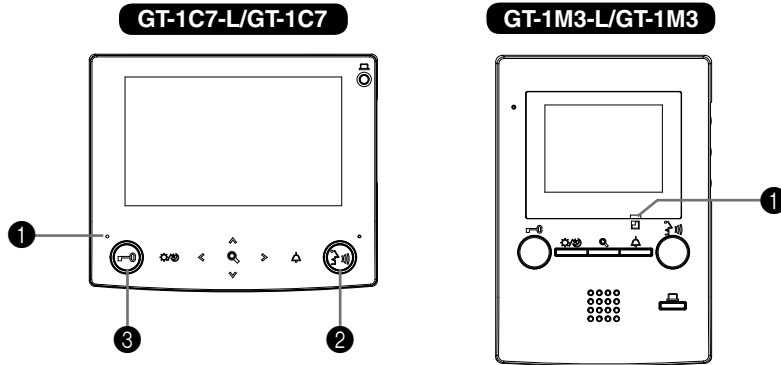
Indication patterns

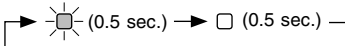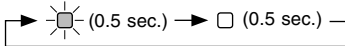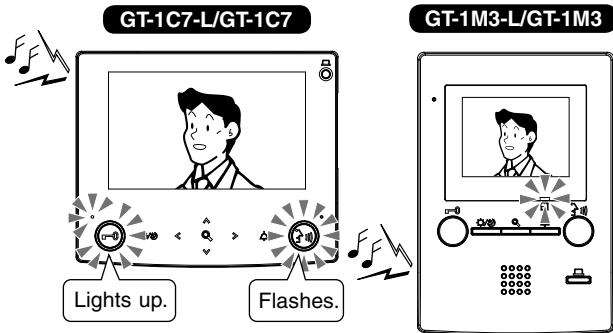| Status \ Indicator	❶ Status indicator (orange)	❷ Talk indicator (orange)	❸ Door release indicator (green)
In standby mode	Off	Off	Off
In standby mode (Call tone volume: off)	Long interval flashing ▶ ☼ (0.5 sec.) → □ (5.5 sec.)	Off	Off
In standby mode (Doctor call: on)	Slow flashing ▶ ☼ (0.5 sec.) → □ (2.5 sec.)	Off	Off
The system is in use by another station. (This station is inoperable.)	Off	Off	Off
While entrance station is calling	Fast flashing ▶ ☼ (0.5 sec.) → □ (0.5 sec.)	Fast flashing ▶ ☼ (0.5 sec.) → □ (0.5 sec.)	• Lit ☼ (when called by an entrance station with camera) • Off (when called by an entrance station without camera)
Communicating with an entrance station	Lit ☼	Lit ☼	Lit ☼
Monitoring an entrance station	Lit ☼	Lit ☼	Off
Calling a guard station	Fast flashing ▶ ☼ (0.5 sec.) → □ (0.5 sec.)	Fast flashing ▶ ☼ (0.5 sec.) → □ (0.5 sec.)	Off
While guard is calling			
Communicating with a guard station	Lit ☼	Lit ☼	Off
Being called by a door bell	Off	Off	Off
Sounding an emergency alarm	Fast flashing ▶ ☼ (0.5 sec.) → □ (0.5 sec.)	Off	Off

USING THE STATION
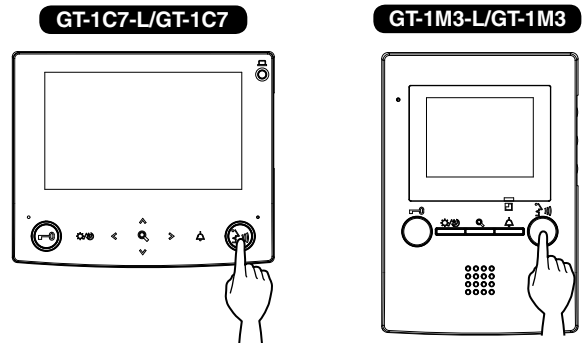
1 | RECEIVING CALLS

1-1 | Answering a call

1 When a call is received from an entrance station or guard station, a call tone will sound and the status indicator flashes. If the station has a camera, video will be displayed on the monitor.

GT-1C7-L/GT-1C7

Lights up. Flashes.

GT-1M3-L/GT-1M3

2 Press the [🕪] button once, and after the beep, communicate hands-free. Hands-free communication starts when the status indicator switches from flashing to steadily lit.

- If you press the [🕪] button for at least two seconds while talking hands-free, a beep will be emitted and you can communicate by push-to-talk communication.
- In push-to-talk communication, press the [🕪] button to talk and release it to listen.
- Calling turns off after a set amount of time if there is no answer.
- Listening is possible with hearing aids with T-mode. (GT-1C7-L and GT-1M3-L only)

GT-1C7-L/GT-1C7

Lights up. Lights up.

GT-1M3-L/GT-1M3
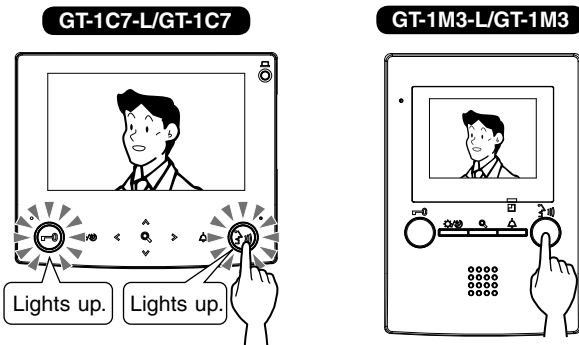
3 When done talking, press the [🕪] button.

All the indicators turn off.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

NOTES:
- During communication, it is not possible to switch back to hands-free from push-to-talk communication.
- The communication will end automatically after approximately 60 seconds.
- If the call tone volume is turned off, the status indicator will flash with a long interval.

⚠ The station emits an electromagnetic field. If a hearing aid with T-mode is brought too close to the station, this may cause ear pain. (GT-1C7-L and GT-1M3-L only)

1-2 | Calling from the Doorbell Button

1 When the doorbell button is pressed, a call tone will sound.

- A different call tone sounds. (Communication is not possible.)

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3
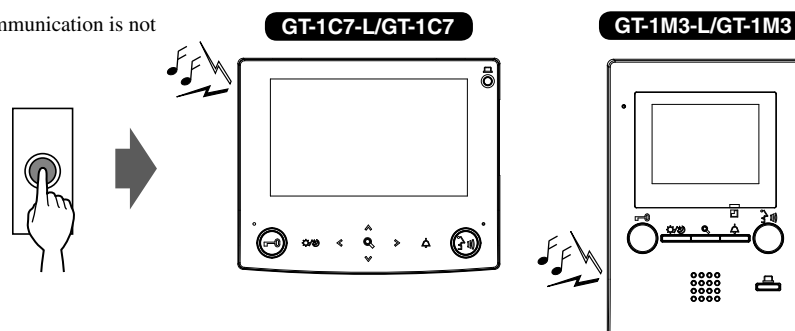
1-3 | Door release

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

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

2 Door release is activated at the entrance station.

• If calling from a video entrance station, door release can be activated without answering.

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.
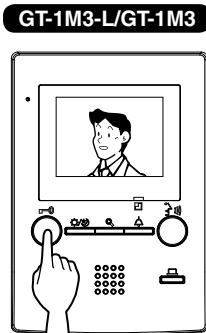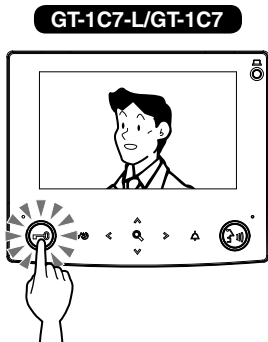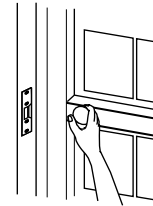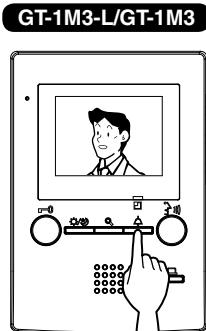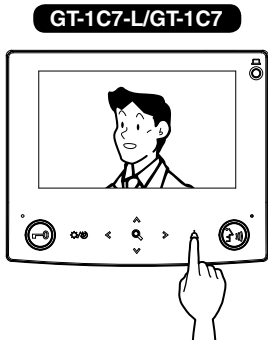
1-4 | Light control

Turning the entrance light on (when light is installed in common area)

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

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

2 The light at the entrance will only turn on for the preset duration of time.
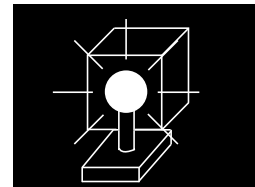
NOTE: This function is not available if a surveillance camera is installed in the common area. (Refer to section 4-5.)

1-5 | Doctor call

When the specified residence is called using Doctor call (automatic entry), the electric lock is automatically released without pressing the door release button at the residential/tenant station.

1 In the standby mode, press the [🔔] button while pressing the [⅔₪] button. Press both buttons once more to reset the Doctor call function.

• When Doctor call function is enabled, the status indicator flashes at approximately three seconds intervals.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

2 Press CALL button at the entrance station to unlock the door without pressing door release button at the residential/tenant station.
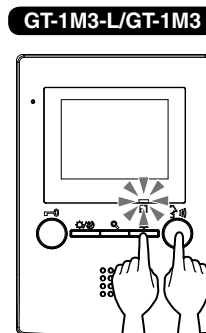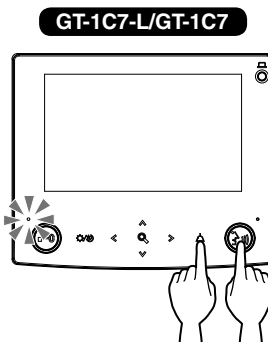
DOCTOR

3 The residential/tenant station for which the Doctor call function is set will be called. Press the [⅔₪] button as necessary to answer.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3
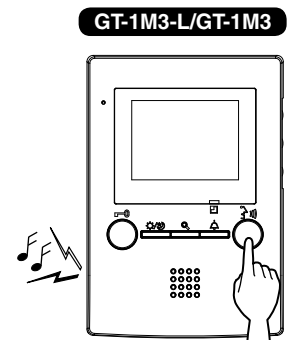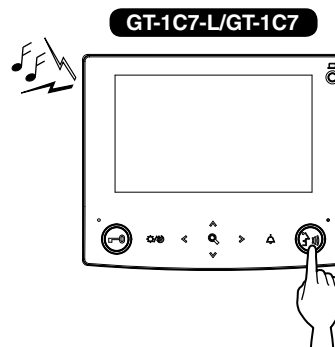
NOTE: When calls are transferred to the guard station, door release with Doctor call is not possible.
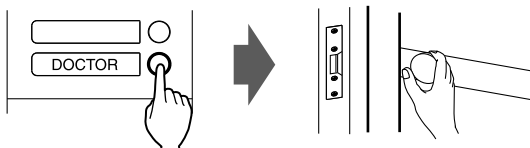
2 | CALLING GUARD STATIONS

1 In the standby mode, pressing the [🔔] button will make the status indicator flash and a call confirmation tone will sound.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

Flashes.

Flashes.

Flashes.

2 A tone will sound at the guard station.
- The in use indicator (orange) at all of the connected entrance stations and guard stations will light up.
- If there is no answer, a call record will be stored in the guard station.

3 | MONITORING

1 In the standby mode, press the [📹] button to display the video images of the entrances in sequence. Audio can be heard at the same time. The status indicator will light up.

GT-1C7-L/GT-1C7
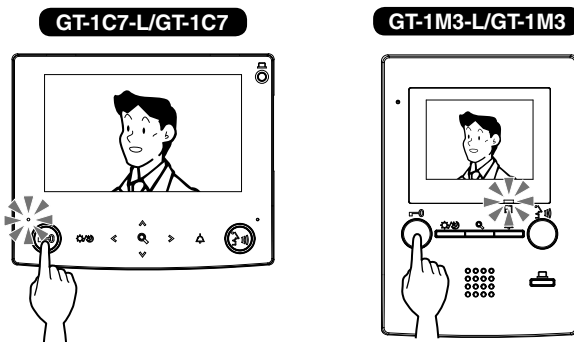
GT-1M3-L/GT-1M3

- Listening is possible with hearing aids with T-mode. (GT-1C7-L and GT-1M3-L only)

NOTES: • If there is an operation such as a call, monitoring ends and the call operation begins.
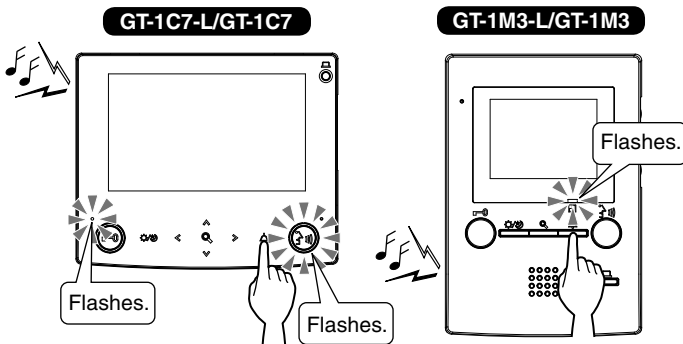- Monitoring will automatically end if monitoring is performed at another residential/tenant station.
- Press the [🔊] button during monitoring to communicate with the entrance station being monitored.
- During monitoring, the wide view is displayed. (If the [🔍] button is pressed, the display changes to the zoom view.)
- Monitoring will automatically end after 30 seconds.
- It may take several seconds to display the video after pressing the [📹] button. Please wait for the video to display before performing the next button operation.
- This function may not be operated due to the equipment being used.
- With this function, you can monitor only entrance stations with camera that were set to allow for being monitored at the time of the installer's setup.

4 | OPERATION DURING COMMUNICATION AND MONITORING

4-1 | Zoom/wide switching

1 Press the [🔍] button when video is displayed.
- Switching between [zoom] and [wide] occurs each time the button is pressed.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3
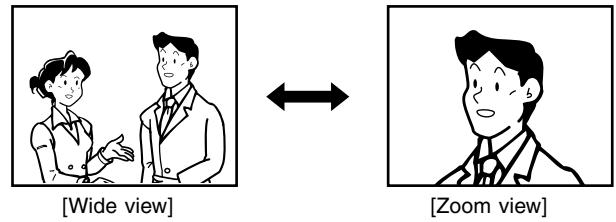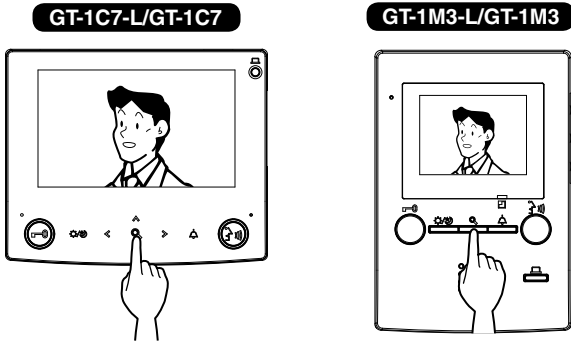
[Wide view] ↔ [Zoom view]

NOTE: • **GT-1C7-L/GT-1C7 only**
When the visitor is not shown in the center of the screen, the zoom view can be moved up, down, left, and right. (Refer to section 4-2.)
• 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.

4-2 | Pan/tilt operation **GT-1C7-L/GT-1C7 only**

1 When in zoom view, press the [⋀], [⋁], [⋘], or [⋙] button.

- [⋀]: Up
- [⋁]: Down
- [⋘]: Left
- [⋙]: Right

NOTES: • The image range of the zoom view and wide view differs. The edges of the wide view do not display with the zoom view.
• At night, due to reduced lighting, 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.)
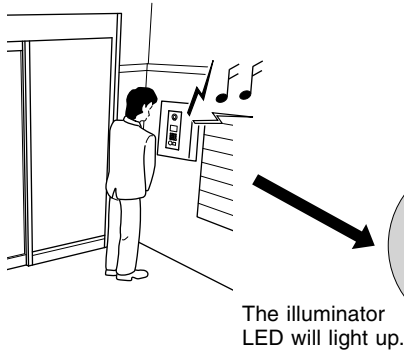
- 9 -

4-3 | Night illumination

At night, the illuminator LED on the entrance station lights up during an entrance station call.
It can also be made to light up at night when the entrance is being monitored.

When a call is made from the entrance station

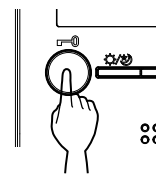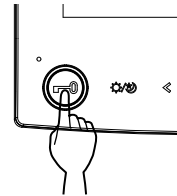**1** If the CALL button of the entrance station is pressed, the illuminator LED will light up.

The illuminator
LED will light up.

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

When monitoring

1 Pressing the [⌐⊙] button will make the illuminator LED light up.

GT-1C7-L/GT-1C7   GT-1M3-L/GT-1M3

2 When monitoring ends, the illuminator LED will turn off.

NOTES: • Distinguishing between day and night is automatically done by the entrance station.
• Operation will vary depending on the entrance station setting.

4-4 | Backlight adjustment and night adjustment

Day

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

1 When the video is difficult to see, press the [☼/☽] button to adjust for lighting.

NOTE: When a new call is placed, backlight adjustment reverts to the default mode.

Night

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

1 When the video is difficult to see, press the [☼/☽] button to switch between [Night adjustment] and [No adjustment].

NOTES: • When a new call is placed, night adjustment reverts to the default mode.
• Distinguishing between day and night is automatically done by the entrance station.
• Pressing the [☼/☽] button at night makes the visitor's face easier to see, but moving subjects may be more difficult to see.

4-5 | Switching to surveillance camera video in a common area

When a surveillance camera is installed in the common area

Press the [🔔] button when video image is displayed to switch to the surveillance camera video image. Press the button again to return to the entrance station video image.

GT-1C7-L/GT-1C7   GT-1M3-L/GT-1M3
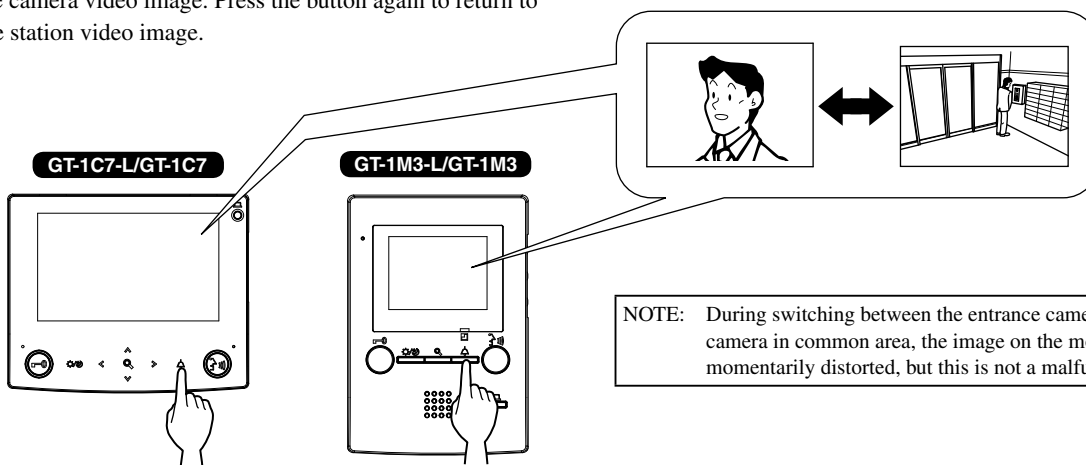
NOTE: During switching between the entrance camera and surveillance camera in common area, the image on the monitor may become momentarily distorted, but this is not a malfunction.

5 ALARMS AND RELATED INFO.

5-1 Option button

Pressing the [⊡] button allows for connected devices to be activated, such as turning lights on or off.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

5-2 Emergency alarm

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

2 An alarm will sound from the residential/tenant station, and a warning signal will be sent to the guard station.

Beep
Beep
Beep

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

Beep
Beep
Beep

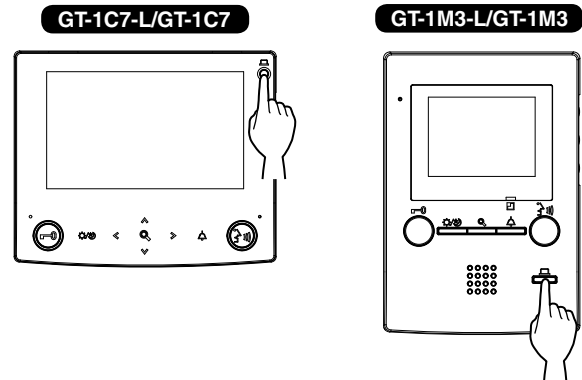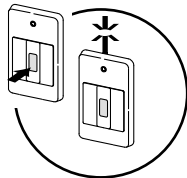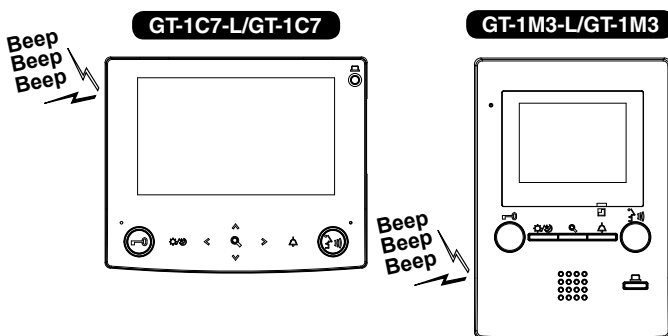**3** When there is a call from the guard station, the warning sound will change to a call tone that will sound for the set amount of time. The status Indicator flashes.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

Flashes.
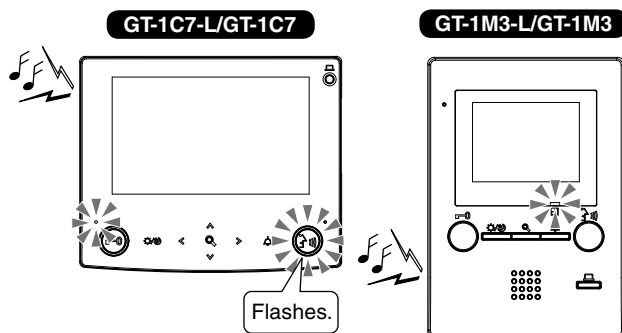
4 Press the [⤳»] button to communicate with the guard station. The status indicator will light up. After communication, the emergency alarm will begin to sound again.

GT-1C7-L/GT-1C7

GT-1M3-L/GT-1M3

Lights up.
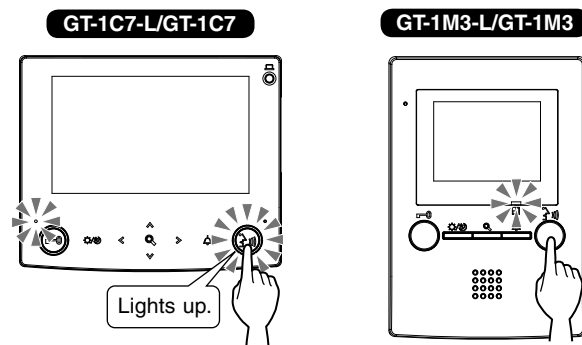
5 Release the lock position of the emergency alarm switch to return to the standby position (restore the system to normal status).
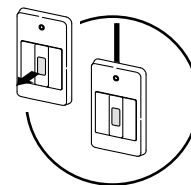
NOTES: • On the residential/tenant station, the emergency alarm and call tone will be emitted at level 10 (HIGH) volume, regardless of the volume setting.
• The emergency alarm function can be activated even when the system is in use. (Alarms can be activated at the same time by up to 5 stations.)
• Residential/tenant stations within the same residence will be unable to receive normal 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 is receiving emergency alarms.

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 [*1] operation is performed during communication with the entrance station, noise will be produced at the entrance station. This is not a malfunction.
- Cleaning: Clean the stations 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 benzine. In addition, do not use a scrub brush, sandpaper, etc. Otherwise the unit surface could be damaged or discolored.

- If there is a system malfunction, contact a qualified technician for service.

(*1): Available on GT-1C7-L and GT-1C7 only.

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.
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.	-	Refer to "2 INDICATORS". (→ P. 5)

3 SPECIFICATIONS

Power supply	DC 24V (supplied from GT-BC, GT-VBC)	
Communication	Push-to-talk	
	Hands-free (Auto-voice actuation)	
Ambient temperature	0 - 40°C (32°F - 104°F)	
Screen	GT-1C7-L/ GT-1C7	7 inch TFT color LCD monitor
	GT-1M3-L/ GT-1M3	3.5 inch TFT color LCD monitor
Mounting	Wall-mount	
Material	Plastic	
Color	White	

Dimensions	GT-1C7-L/ GT-1C7	165 (H) × 200 (W) × 25 (D) (mm) 6-1/2 (H) × 7-7/8 (W) × 1 (D) (inches)
	GT-1M3-L/ GT-1M3	180 (H) × 125 (W) × 25 (D) (mm) 7-1/16 (H) × 4-15/16 (W) × 1 (D) (inches)
Mass	GT-1C7-L/ GT-1C7	Approx. 610g (1.34 lbs.)
	GT-1M3-L/ GT-1M3	Approx. 320g (0.71 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/