SecuRiTy GUARD STATION

Installing & Operation Manual

Model: GF-MK

Precautions

WARNING (Negligence could result in death or serious injury to people.)
1. Do not open the unit case.
2. Do not dismantle or alter the unit. Fire or electric shock could result.
3. Keep the unit away from water or any other liquid. Fire or electric shock could result.
4. Do not put any metal into the unit through openings. Fire, electric shock or unit trouble could result.

CAUTION (Negligence could result in injury to people or damage to property.)
1. Mount the unit on wall in a convenient location, but not where it could be bumped or jarred. Injury could result.
2. Do not install or make any wire terminations while power supply is turned on. Unit trouble could result.
3. Before turning on power supply, make sure wires are not crossed or shorted. Unit trouble could result.
4. Do not manually hold down hook switch to verify chime volume. It sounds very loud near your ears and can cause your hearing damage.
5. Do not press hard or put high impact on LCD. If glass cover is broken, you may be injured, and never touch the liquid inside panel, as it can cause an inflammation on your skin. If the liquid adheres to any part of your body, mouth or eyes, immediately gargle or cleanse with clear water for at least 15 minutes and consult your doctor.
6. Do not install the unit in any of the following locations, as it may cause the system to malfunction;
   - High or extreme cold temperature area: under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.
   - Places subject to moisture or humidity extremes.
   - Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.
   - Places subject to constant vibration or impact.
   - Places subject to steam or smoke, such as near heating appliances, cooking surface, etc.

General Precautions
1. All the units, except the Entrance Station, are designed for indoor use only. Do not install them outdoors.
2. The system is not operable during a power failure.
3. In areas where broadcasting station antennas are close by, intercom system may be affected by radio frequency interference.
4. Keep all wiring at least 30cm (1") away from AC 100-240V wiring, fluorescent lighting, or dimmer switches. Otherwise, cross AC wiring at a 90° angle.

Names and Functions

1. Handset
2. LCD display
3. Creator (or decide & back)
4. 矢 SCROLL backward or move cursor to left
5. ↓ SCROLL forward or move cursor to right
6. ☑ CALL (or decide & next)
7. Digital keypad (1 - 0, *, #)
   - Functions: * Dialing Room #
   - Name search with @ key and calling
8. SERVICE button (Option)
9. LIGHT button
10. Door Release button
11. Off-hook warning LED
12. Call tone sounder
13. Call tone volume control
14. PC socket

Programming Methods

Programming by PC
- It is possible to write or change resident names from your PC, making data input.
- Download Programming & Alteration Method from Aiphone's Web Site:
  http://www.aiphone.com/
- Connect your PC with GF-MK in conjunction with the connecting cable supplied with GF-MK.

Programming by GF-MK
- On LCD display, see a message "AIPHONE" to confirm system is in standby.
- Prior to programming, it is suggested to have your own ID code newly registered, so that any other person cannot get into the system.
- Firstly, enter program mode.
- In case your programmed ID code is forgotten.

Communication Functions

Calling & Communication
a. with Residential Stations, Go to P.4
b. with Entrance Station. Go to P.5
c. with Security Guard Station. Go to P.6
D. PANIC call & Answer-back. Go to P.6
   (* Includes Line-off trouble alarm)

Package Contents
- Security Guard Station (GF-MK)
- Mounting bracket
- Packet of screws
- Connecting cable
- INSTALLATION & OPERATION MANUAL
- Door Release button
- Off-hook warning LED
- Call tone sounder
- Call tone volume control
- PC socket
PROGRAMMING

⚠️ While being programmed, PANIC CALL is not receivable on GF-MK.

Enter Program Mode

- LCD: AIPHONE ➔ YOUR OPERATION ➔ INITIAL ID CODE
- RE-ENTER ID CODE ➔ INITIAL ID CODE

Select Menu & Quit

- LCD: SELECT LANGUAGE ➔ YOUR OPERATION ➔ Menu
- Menu: SELECT LANGUAGE ➔ CHANGE ID CODE ➔ RESIDENCE INFO. ➔ SET TIMER ➔ PROGRAMMING ➔ QUIT

Menu 1: Select language

- LCD: SELECT LANGUAGE ➔ ENTER LANGUAGE ➔ Menu 2

Menu 2: Change ID code

- LCD: CHANGE ID CODE ➔ ENTER NEW ID ➔ Menu 3

Menu 3: Write Residence Info.

- LCD: RESIDENCE INFO. ➔ ENTER ROOM # ➔ ENTER NAME

Menu 4: Set input timeout timer

- LCD: SET TIMER ➔ ENTER TIMER ➔ Menu 5

Note: Press ✖ to clear the previous name and enter a new name.
Menu 5: Programming

⚠️ While connecting date to the system, whole system is not operatable including PANIC CALL.

Before initiating PROGRAMMING operation, make sure ROOM number has been programmed on Menu RESIDENCE INFO.

**PROGRAMMING**

1. Lift the handset (Security Guard Station)
2. With Scroll buttons, have the assigned Name displayed, and press @ button.
3. Hearing single BEEP tone means the station has been correctly set. (Double beep tone for second station)
4. Hang up handset.

Go to each Residential stations, and consecutively program each handset station in the same manner as in Programming Step.

**NOTES:**

If already two Residential Stations have been linked, setting a third station will produce a warning beep tone. To erase linkage have the assigned name displayed, press CALL button more than 3 seconds. Continuous tone notifies the link has been cancelled.

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### WITH RESIDENTIAL STATION
#### Calling a Residential Station

**At Security Guard Station**
1. Lift the handset, have the name displayed, and press Call button. (See below)

**At Residential Station**
1. Call tone sounds for approximately 10 seconds.

**Note:** See "IN USE" is not displayed.

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#### 1. Calling

**1. By Scrolling Names**

<table>
<thead>
<tr>
<th>LCD</th>
<th>YOUR OPERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIPHONE</td>
<td>Press button intermitently or hold down for 2 sec. to show in succession.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SMITH</td>
<td>Call button</td>
</tr>
</tbody>
</table>

**Scroll**

BACKWARD | FORWARD

2. When there is no Room #,

**3. By Selecting Name Entering Alphabets**

<table>
<thead>
<tr>
<th>LCD</th>
<th>YOUR OPERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIPHONE</td>
<td>Press ROOM #.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>SMITH</td>
<td>Call button</td>
</tr>
</tbody>
</table>

**Scroll**

1, 1, 1

**Common Operation**

- Apartment station lifts handset.
- Communicate
- The channel is turned off in approx. 2-1/2 min.
- OR Press CANCEL

**Notes:**
- When pressing and holding down SCROLL ▲ or ▼ button for approximately 2 seconds, resident names will be shown automatically at every 0.4 seconds.
- When ROOM #111 and 1111 are both present, enter 1, 1, 1, and the Resident name for 111 will be displayed, and press 1 one more time, and the name for ROOM 1111 will be displayed.

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#### 2. Communication (common operation)

- Lift the handset and reply.
- Lift the handset, and 4 When finished, hang up handset. Communication will automatically turn off in approximately 2.5 minutes.

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#### Receiving a call from Residential station

**At Residential Station**
1. Lift the handset, then press Security Guard CALL button. Muted call tone is heard. When the system is busy with a communication, the Residential Station will hear a busy tone. (When any linkage has not been established, the call is just nullified.)

**At Security Guard Station**
2. Call tone rings for approximately 10 seconds, and ROOM No. & Resident's NAME are displayed. Lift handset and reply.

**Notes:**
- In case two Security Guard Station are linked, another Security Guard Station turns off and "IN USE" is displayed on.
WITH ENTRANCE STATION

Receiving a call from Entrance Station

Requires name registration and linkage.

At Entrance Station

1. Momentarily depress a Call button. Muted call tone is heard from the Entrance Station.

At Security Guard Station

2. Call tone rings for approximately 10 seconds, and ROOM No. & Resident's NAME are displayed. Lift handset and reply.

While communicating,

Door Release

3. Momentarily depress DOOR RELEASE button. At the communicating entrance station, door release is activated.

Turn on Entrance Light

3'. Momentarily press LIGHT button. External light turns on at the entrance for a preprogrammed length of time.

4. At the communicating entrance station, door release is activated.

Calling Entrance Station

Does not require name registration or linkage.

1. Lift the handset and press ③, ① button. Note: When entering only, the message is ENTER A LETTER, as is common operation entering an alphabet in searching name.

2. Press a numeric button (1-5) to select the Entrance Station desired. Note: See "IN USE" is not displayed.

3. Press CALL button, and talk to the Entrance Station. When there is no corresponding Entrance Station, a message NO ENTRY appears on upper case. While communicating, LIGHT & DOOR RELEASE buttons are operative.

4. When finished, hang up handset. Communication will automatically turn off in approximately 2.5 minutes.
BETWEEN SECURITY GUARD STATIONS

At Calling Station
1. Lift the handset, press ②, ① buttons. Press ③ button, and CALL button. Muted call tone is heard from handset receiver.

Notes: - See “IN USE” is not displayed at start of operation.
- When entering only, the message is ENTER A LETTER, as is common operation entering an alphabet in searching name as well.
- When no Security Guard Station is registered, a message NO ENTRY comes on.

PANIC CALL

At Security Guard Station
3. Alarm sounds, and ROOM No. and EMERGENCY with Resident NAME. are displayed alternately. Stop alarm by pressing CANCEL button.

PANIC CALL answer-back
4. Lift the handset, see the name on LCD display, and press RESIDENCE CALL button.

At Residential Station
2. Alarm sounds from Residential Station.
5. The alarm turning to normal call tone, sounds for approximately 45 seconds.

6. Lift the handset and communicate with Security Guard Station.
7. Unlock PANIC CALL switch to place in standby.

Notes: 1. When one Security Guard Station is already engaged in PANIC CALL and communication, the other Security Guard Station can not break in. (The busy tone is heard from the handset receiver.)
2. At the Security Guard Station, either answer-back to a PANIC CALL originated Residential Station, or normal calling to other Residential Station is selectable. (Only name scroll buttons are not operational.) When the system is occupied, it can not operate.
3. At the Residential Station, the PANIC CALL alarm sounds at the HIGH level regardless of adjusting of volume control.
4. Even when the system is occupied, PANIC CALL can be activated. (Up to 10 Residential Stations can be linked with Security Guard Station.
5. Security Guard Station, when received multiple PANIC CALLs, will have NEXT ALARM message displayed.
6. When the Arrow message is present, it is possible to select other Residential Stations with SCROLL buttons.
7. Even when system is occupied, PANIC CALL answer-back initiates after the other communication is turned off.
8. At the Residential Station in same room, while sounding PANIC CALL signal, normal call or doorbell call can not be received. Answer-back from Security Guard Station is only available.
**MOUNTING**

**Desk-top mounting on GFW-S stand**
1. Separate mounting bracket on back of the unit.
2. Attach mounting bracket to GFW-S stand as shown.
3. Connect wires on terminal block, putting wires neatly in the slot.
   - Unit cable with stand hook by convex to prevent to death by pulled out.
4. Place protection cover on terminal section.
5. Insert prongs of bracket and slide upward until locked.

**Wall-mounting**

It is suggested to mount the station so that the LCD display comes at the user's eye level.

1. Attach the mounting bracket to Single-gang box.
2. Connect wires on terminal block.
3. Mount the unit on mounting bracket.

**WIRING**

- Terminal block (from left R1, R2; R1, R2; C, CE; SW, SW)
  - SW, SW: to User-option device (Non-polarized)
  - C, CE: to Doorbell button (Non-polarized)
  - R1, R2: to Second GF-MK (Non-polarized)
  - R1, R2: to Distribution point (Non-polarized)

- GF-1DK
  - GF-1MDK
  - GF-MK Back view

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**Notes:**
- To detach terminal block;
  - Unplug
  - Slide and pull out the terminal block.

- Strip cable jackets, and put all the wires neatly into slot, otherwise damages the wires by pinching.

- Cut out a hole for surface cable run.

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**GFW-S (not included)**

- PACKAGE CONTENTS
  - Desk-top stand (GFW-S)
  - Packet of screws
  - Convex
TECHNICAL PRECAUTIONS

Ambient temperature: 0°C～40°C (+32°F～+104°F).
Asking for repairs: In case the unit does not operate properly, ask qualified technician to repair it.
Cleaning: Clean the equipment with a soft cloth dampened with neutral household cleanser. Never use any abrasive cleaner or cloth.

Adjusting call tone volume;

Setting switches;

**SPECIFICATIONS (GF-MK)**

- LCD display: Max. 16 letters for names.
- Dimensions: 210 H x 215 W x 69 D (mm). 8-1/4" H x 8-1/2" W x 2-3/4" D.
- Unit weight: Approximately 900g (1.98 lbs.)

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WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year 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, 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. Aiphone will not be responsible for any costs incurred involving on site service calls.

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