

GHTLI

**TELEPHONE LINE
INTERFACE FOR
GH SYSTEM**

PRECAUTIONS

- ⊘ General Prohibitions ⊘ Prohibition to Dismantle the Unit ⊘ Prohibition on Subjecting the Unit to Water ⚠ General Precautions

⚠ WARNING

(Negligence could result in death or serious injury.)

- ⊘ 1. High voltage is present internally. Do not open the case. Electric shock could result.
- ⊘ 2. Do not dismantle or alter the unit. Fire or electric shock could result.
- ⊘ 3. Do not connect any non-specified power source to the +, - terminals, and do not install two power supplies in parallel to a single input. Fire or damage to the unit could result.
- ⊘ 4. Keep the unit away from water or any other liquid. Fire or electric shock could result.
- ⊘ 5. Do not put any metal or flammable material into the unit through the openings. Fire or electric shock could result.
- ⊘ 6. Do not use power supply with a voltage other than specified. Fire or electric shock could result.
- ⊘ 7. Do not connect any terminal on the unit to AC power lines. Fire or electric shock could result.

⚠ CAUTION

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

- ⊘ 1. Do not install or make any wire terminations while power supply is plugged in. It can cause electrical shock or damage to the unit.
- ⚠ 2. Before turning on power, make sure wires are not crossed or shorted. If not, fire or electric shock could result.
- ⚠ 3. When mounting the unit on wall, install the unit in a convenient location, but not where it could be jarred or bumped. Injury could result.
- ⚠ 4. For power supply, use Aiphone power supply model specified with system. If non-specified product is used, fire or malfunction could result.
- ⊘ 5. Do not install the unit in any of the following locations. Fire, electric shock, or unit trouble could result.
 - * Places under direct sunlight, or near heating equipment that varies in temperature.
 - * Places subject to dust, oil, chemicals, etc.
 - * Places subject to moisture and humidity extremes, such as bathroom, cellar, greenhouse, etc.
 - * Places where the temperature is quite low, such as inside a refrigerated area or in front of air-conditioner.
 - * Places subject to steam or smoke (near heating or cooking surfaces).
 - * Where noise generating devices such as dimmer switches or inverter electrical appliances are close by.
- ⊘ 6. Do not put anything on or cover the unit with cloth, etc. Fire or unit trouble could result.
- ⊘ 7. Do not press on the LCD or subject it to a high impact. The LCD glass could be punctured and result in an injury.
- ⊘ 8. If LCD is punctured, do not allow contact with the liquid crystal inside. Inflammation could result.
 - * If necessary, gargle your mouth and clean your eyes or skin with clear water for at least 15 minutes, and consult your doctor.

GENERAL PRECAUTIONS

1. Keep the unit more than 1 m away from radio or TV set.
2. This unit is for indoor use only. Do not use outdoors.
3. In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
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 vendors present.
5. Keep the intercom wires more than 30 cm (12") away from AC 100~240 V lines. Noise and malfunction could result.
6. If the unit is down or does not operate properly, unplug the power supply or turn off the JF-2MED and JF-2HD Power switches.
7. The unit is for wall-mount use only. For desktop applications, use desk stand.
8. When wall-mounted, the unit may become dusty. Clean with a soft cloth.
9. The unit case may become a warm with use, but this is not a unit malfunction.
10. If a cellular phone is used close by, the unit may malfunction.
11. If must be noted in advance that the LCD panel, though manufactured with very high precision techniques, inevitably will have a very small portion of the picture elements steadily lit or not lit at all, which is not considered a unit malfunction.
12. Refrain from using the color monitor station in sunlit areas.
13. At night, due to reduced lighting on the object, the monitor sees more noise and the face becomes more difficult to see, but this is not malfunction.
14. Talk within 50 cm (20") or less from the unit. If you stand too far away, it may be difficult for the other person to hear the communication.
15. If there are loud noises around the unit (such as music playing or children crying), the sound may break up and be difficult to hear.
16. During communication, if you speak before the other person has finished talking, your voice may not be heard. Communication will proceed smoothly if you wait until the other person has finished before speaking.
17. At a gate or porch illuminated by fluorescent lamp, the picture may vary, but this is not a malfunction.
18. When outside temperature lowers sharply after rainfall, etc., the inside of the camera may fog up slightly, causing a blurry picture, but this is not a malfunction. Normal operation will be restored when moisture evaporates.
19. Due to the environmental sound around the unit, it may hinder smooth communication. but this is not a malfunction.

1.PACKAGE CONTENTS



[1]



[2]



[3]



[4]



[5]



[6]



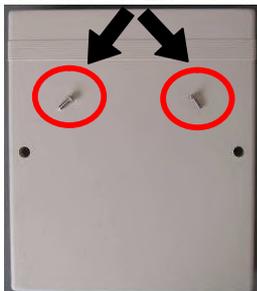
[7]

- [1] Telephone line adaptor
- [2] GHTLI
- [3] Power supply
- [4] RJ11 cable

- [5] Rubber foot
- [6] Metal fitting
- [7] User manual

2.MOUNTING

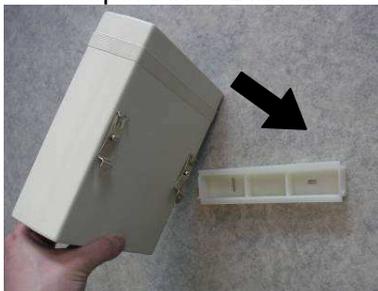
Step1. Take off 2x screws.



Step2. Put on 2x Metal fittings



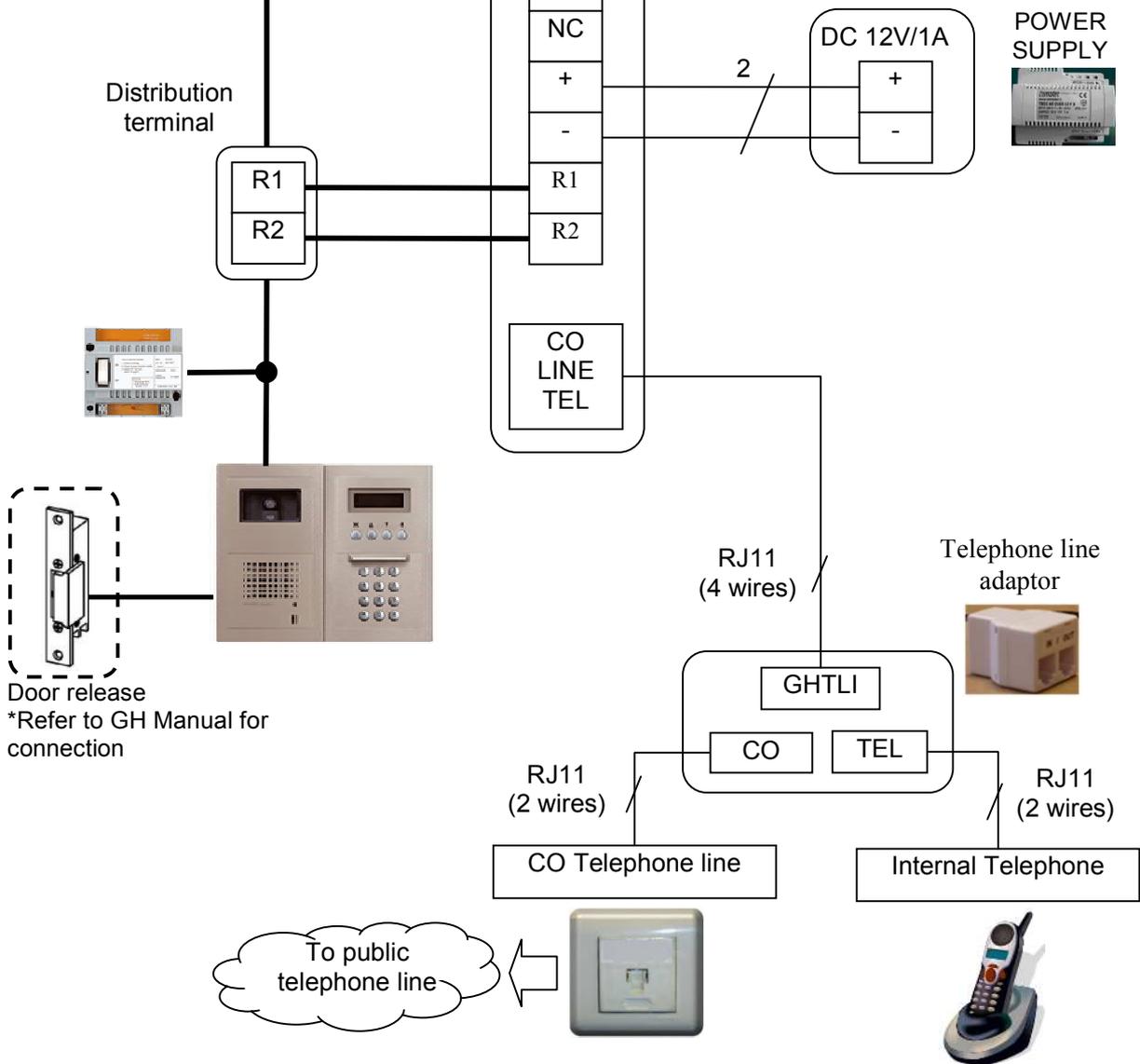
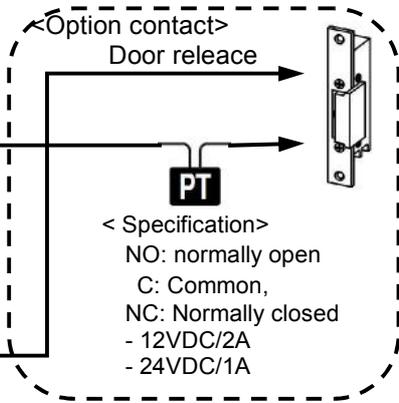
Step3. Fix to Din rail



3. WIRING

3-1 Wiring

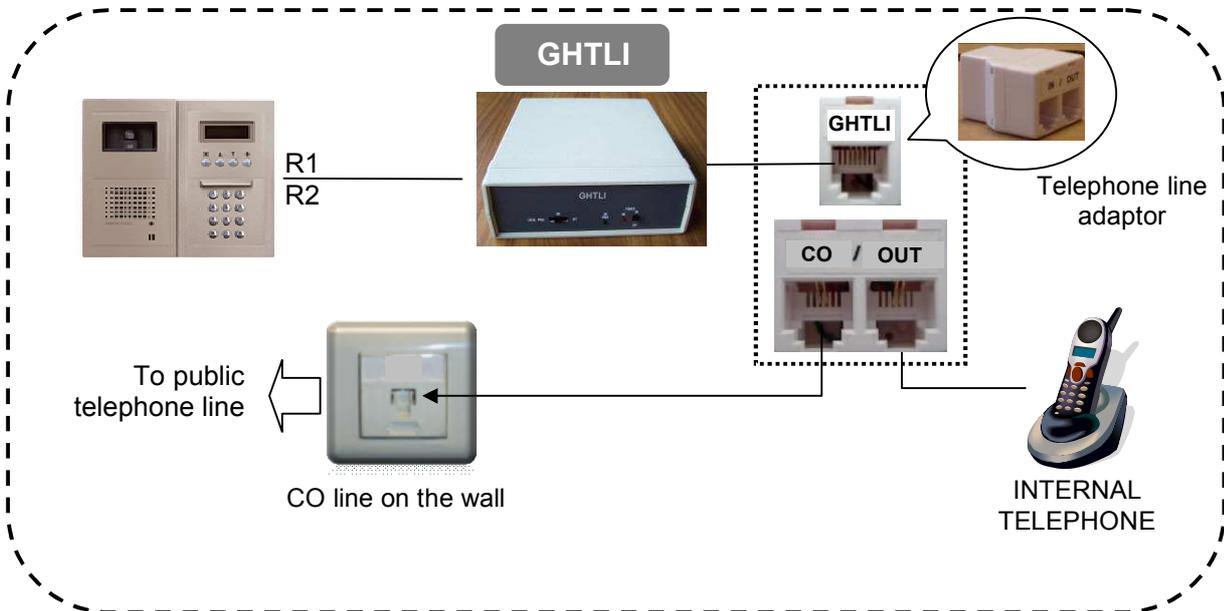
<Wiring distance>
 Between GH-BC and GHTLI:
 ϕ 0.80mm → 300m



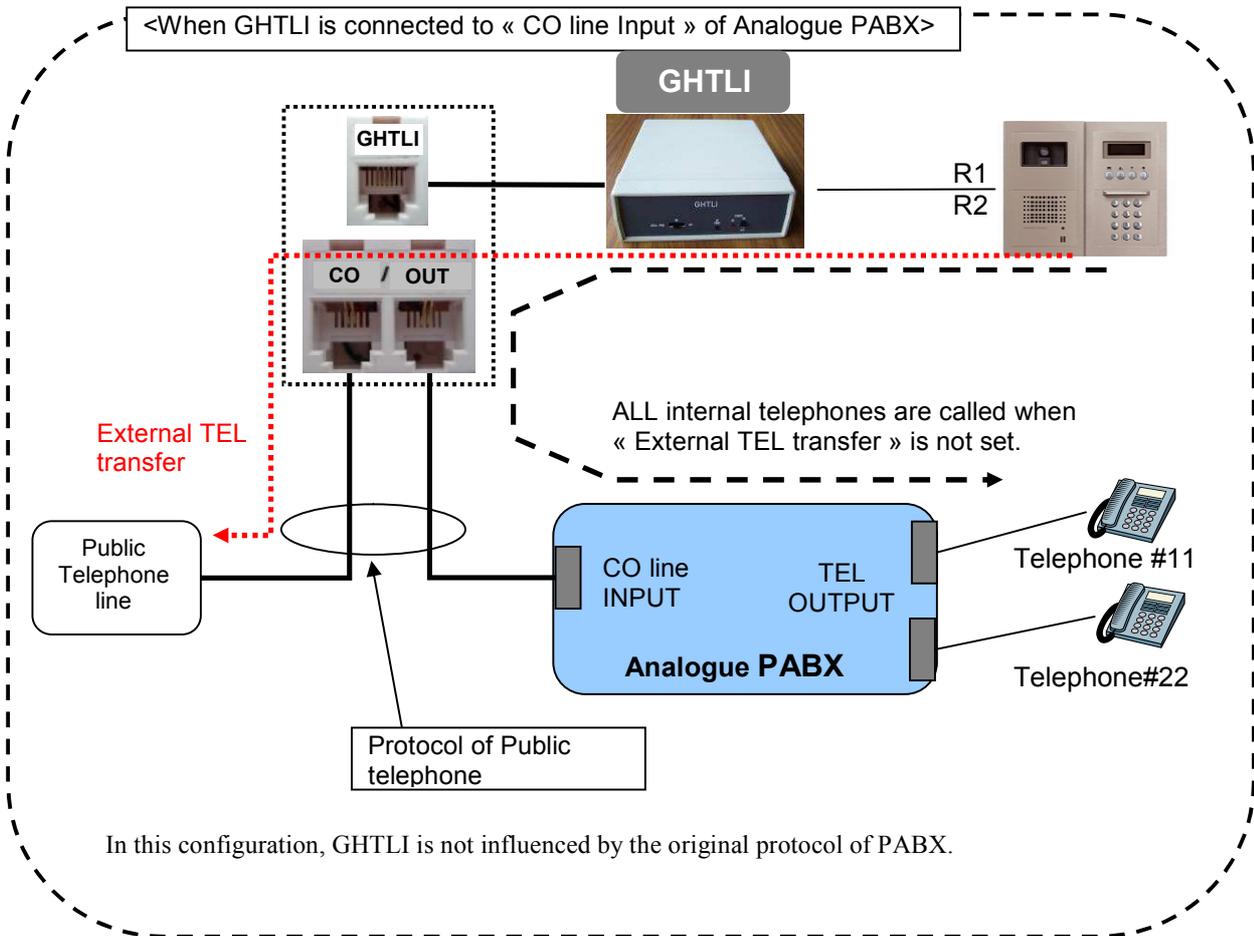
Door release
 *Refer to GH Manual for connection

3-2 CO line connection

3-2-1 With normal telephone line

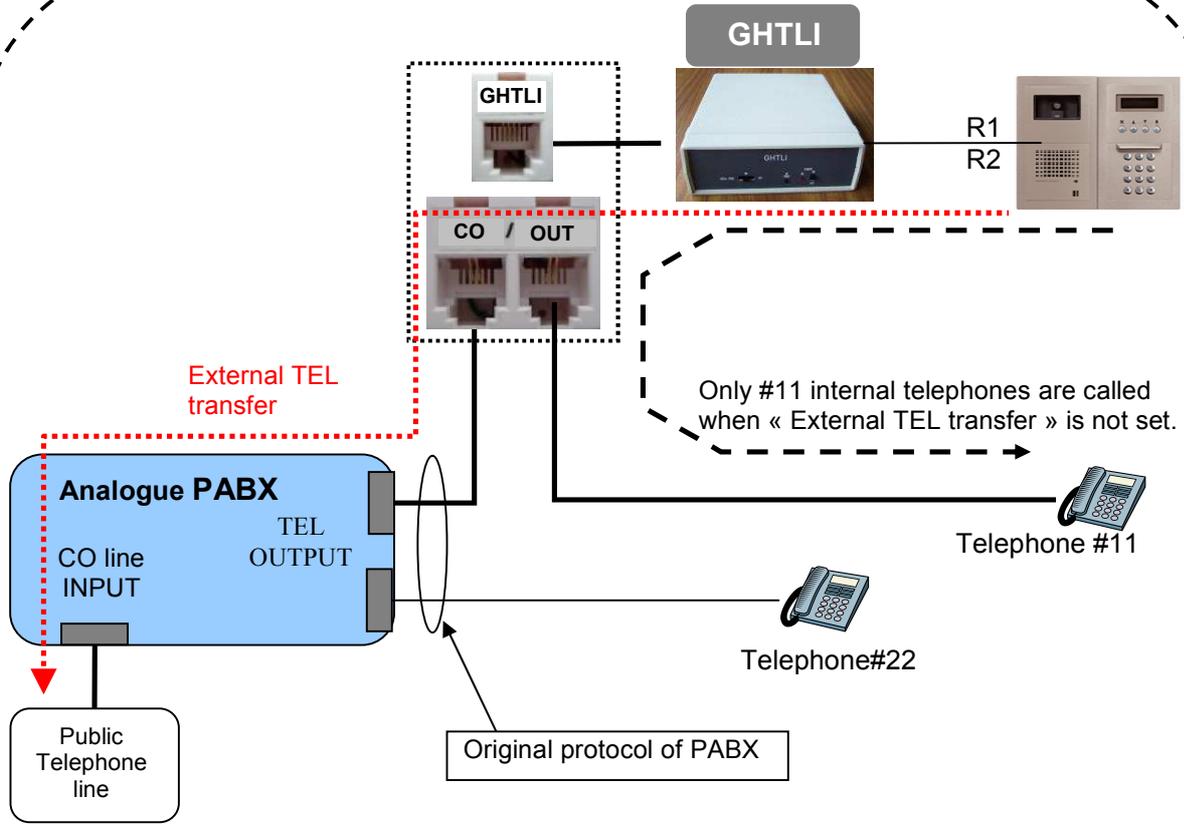


3-2-2 With PABX



In this configuration, GHTLI is not influenced by the original protocol of PABX.

<When GHTLI is connected to « TEL output » of Analogue PABX>

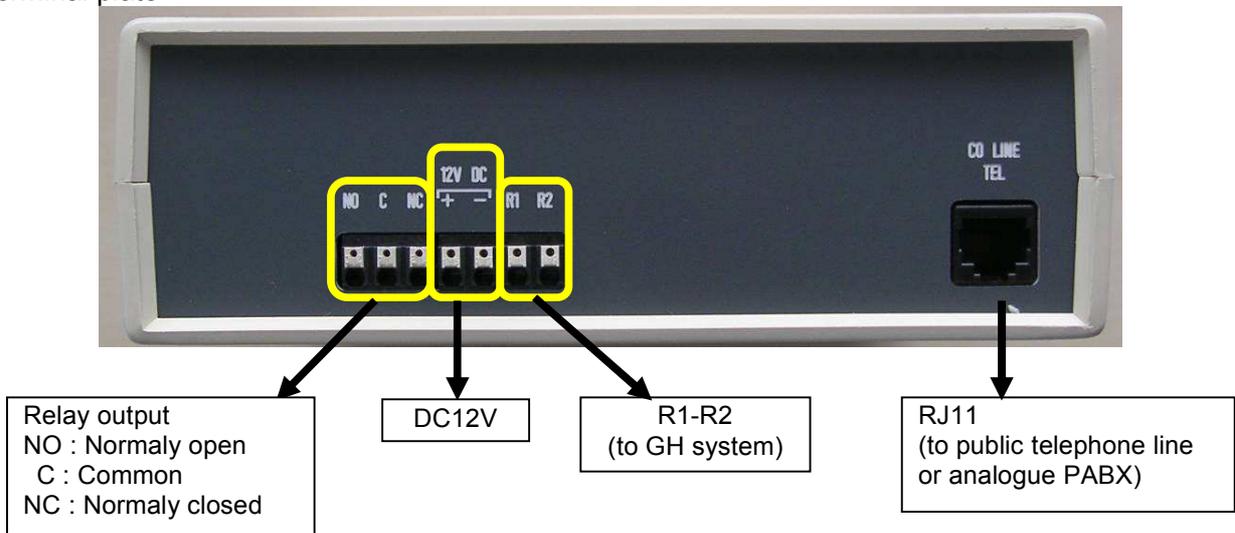


It may be the original protocol between PABX & telephones. In this case, It is necessary to check the “Ringing tone, Busy tone & Occupied tone” of PABX and the tones of GHTLI must be set according to Chapter 5-5-4.

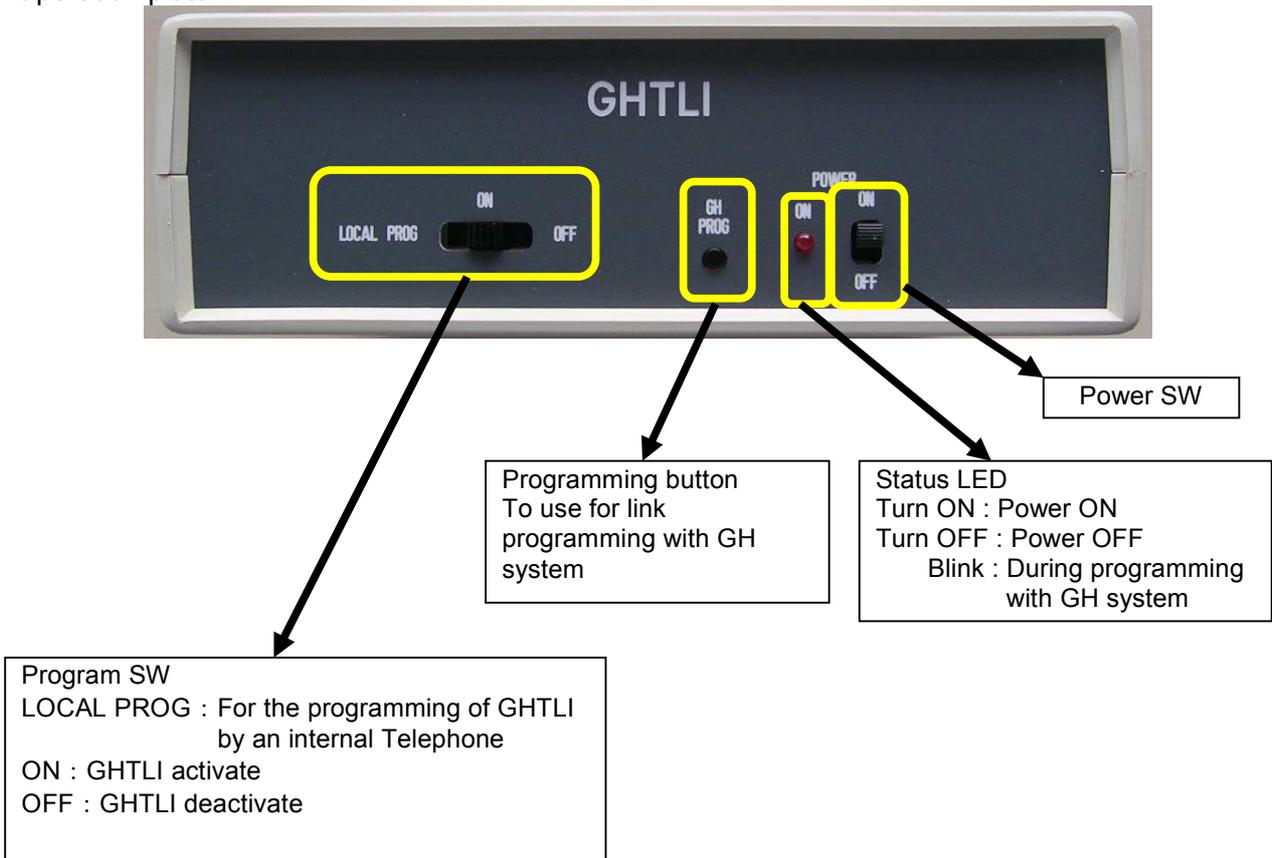
(*) In this configuration, if the telephone transfer to TEL#22 is needed, the programming of “External Telephone transfer” (Chapter 5-2-2) is necessary.

4.NAMES

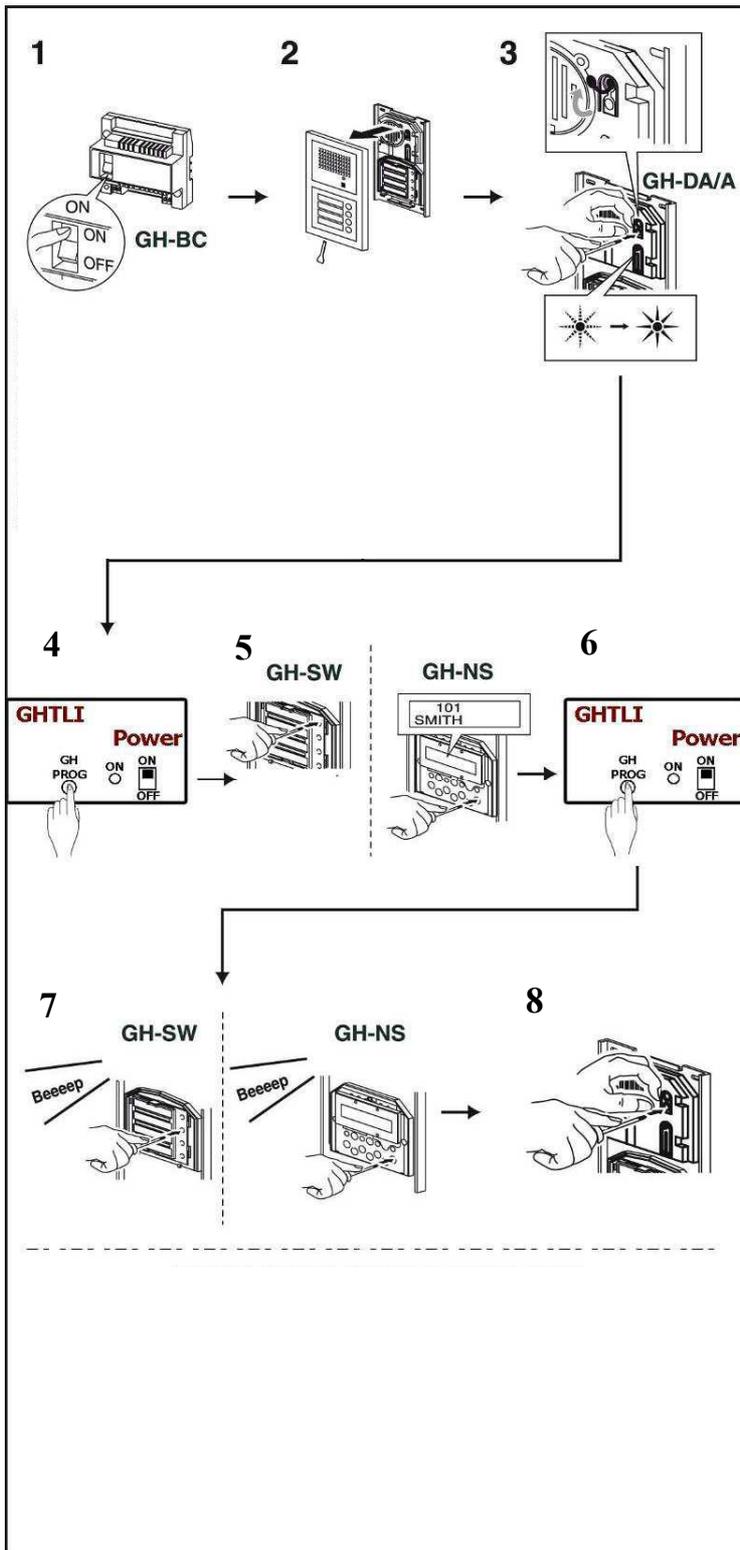
<Terminal plate>



<Operation plate>



6. Programming with GH system



Setting up the GHTLI

1. Make sure that all units are installed and wired properly. Turn on the power switch to GH-BC.
2. Loosen the base screw and open and remove the front panel.
3. Set the system to program mode.
 - Lift up the rubber cap.
 - Press the program switch once. Use any long thin tool, such as a fine screwdriver.
 - The In-Use LED will blink for approximately 15 seconds.
4. Press the **"GH PROG"** button. The corresponding communication channel will be established.
5. For GH-SW, press the (corresponding) call button and release quickly. (Do not press the button longer than 1 second.) For GH-NS, display the assigned room No. and press the call button (bell symbol). (Do not press the button longer than 1 second.) An electronic beep will be emitted once.
6. Press the **"GH PROG"** button to end. If there is a second residential station installed in a single apartment, program the residential station following the same method detailed in steps 4 through 6. (Refer to GH manual)
7. Correcting or changing the settings
 - Press and hold down the call button of GH-SW or GH-NS until you hear a continuous beep. For GH-NS, display the room you want to correct and reprogram all the residential stations in the single apartment (following steps 4 and following).
8. Ending programming
 - Push the GH-DA/A program switch. The In-Use LED will go off.
 - Replace the cap.

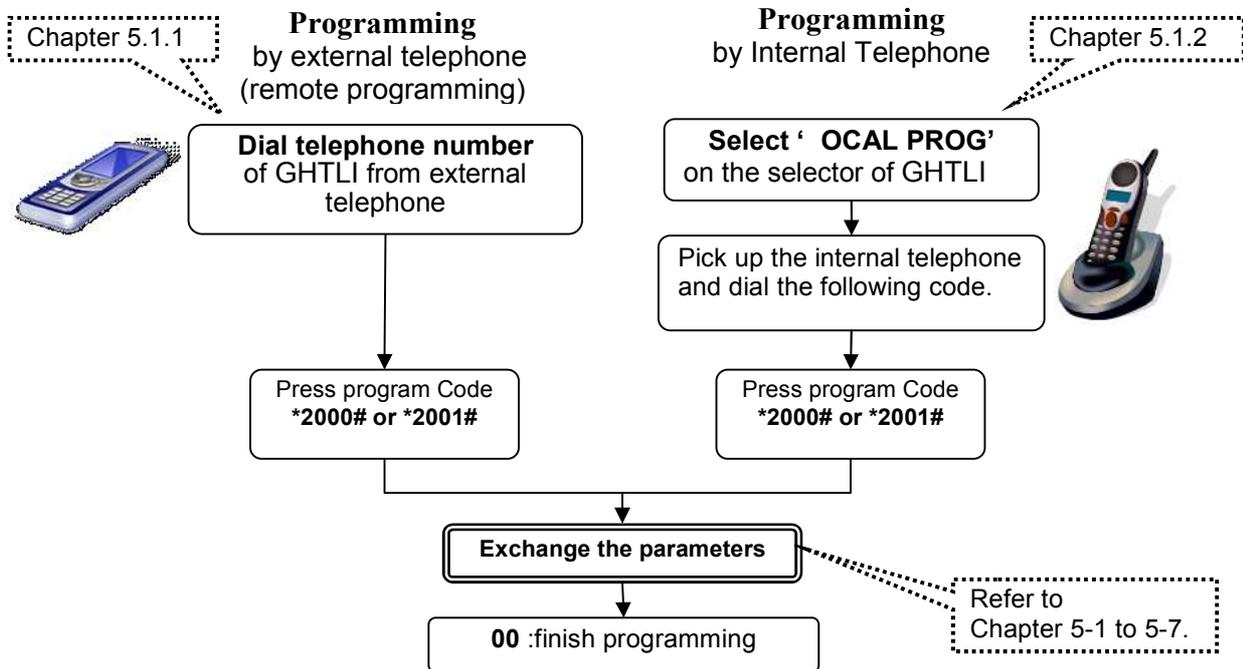
5.SETTING UP for GHTLI

Programming Parameters Summary

Program code	Function number	Chapter	Function	Parameter	Default
*2000#	05	5.4.7	Setting the country code	Refer to Country code list. Page 22,23	33
	29	5.7	Reset memory	Return to Default	-
	58	5.4.4	Change calling cycle	0: 1.5s ON/3.5s OFF 1: 0.5s ON/0.5s OFF	0
	59	5.4.5	Timer set for the programming from outside telephone	010-255s	020
	90	5.4.6	Change ID code	4 digits	2000
	25	5.3.1	Door release code setting for GH-DA from an internal or outside telephone	2 digits	10
	31	5.3.1	Door release timer setting for GH-DA	1 to 10sec	05
	35	5.4.1	Setting for the status after the door release function to GH-DA from internal or outside telephone	0:Continue communication 1-0:End communication after the command input 1-1:End communication after 5 sec of the command input	1-0
	30	5.3.2	Door release code setting for GHTLI from an internal or outside telephone	2 digits	20
	32	5.3.2	Door release timer setting for GHTLI	1 to 10sec	05
	37	5.4.2	Setting for the status after the door release function to GHTLI from internal or outside telephone	0:Continue communication 1-0:End communication after the command input 1-1:End communication after 5 sec of the command input	1-0
	18	5.6.1	Setting the message sound	MAX0~MIN7	4
	41	5.6.2	Setting ON/OFF of each messages (From #1 to #10)	Message #(01-10)+ "0" or "1" 0: Message OFF 1: Message ON #: listen to the message	1 (All messages ON)
	78	5.4.8	Language setting for messages	0:French, 1:English, 2:Dutch, 3: Spanish, 4:German, 5 : Italian	0
	43	5.4.3	When transferred a call and if the line is engaged, inform the call by "Beep" sound or " Message". Setting "Beep" or " Message".	0:Beep tone 1:Message	1
	95	5.5.1	Switching modes into communication with external telephone	0: start communication directly 1: start communication after receive DTMF signal	0
97	5.5.2	Disconnect after silence of or continuous signal of X seconds	Decide times of continuous hung up signal.	2	

	98	5.5.3	Automatic pause prior to dialling	Select waiting times before dialling from 1 to 6 seconds	3
	99	5.5.4	Programming the tones by manual	Refer to chapter 5-5-4	-
*2001#	21	5.2.2	Telephone number setting-1	Max 16 digits + “#”	-
	22	5.2.3	Telephone number setting-2	Max 16 digits + “#”	-
	20	5.2.1	Setting the calling timer from door station	10-45sec	45
	91	5.4.6	ChangeProgram code	4 digits	2001

GHTLI is programmed by the following procedure.



5.1.1 Remote programming by external telephone:

- dial the telephone number of the telephone line of the GHTLI,
- After establishing a communication channel with the message 7('Call from Door Panel') or 3 short beeps, dial * (a maximum of 8 seconds is allowed to dial *), following Program code.
Program code: 2000 or 2001 (default)
- confirm by #,
- GHTLI confirms by emitting the message 6('The code entered is correct') or 3 short beeps.
- To exit from programming mode, dial 00.
GHTLI confirms by emitting 3 short beeps and goes on idle mode.

5.1.2 Local programming by internal telephone

- Select 'OCAL PROG' with the selector of GHTLI,
- Pick up the internal telephone that is plugged into the telephone line which is connected directly to GHTLI,
- Now program in exactly the same way as the remote programming 5.1.1.



IMPORTANT

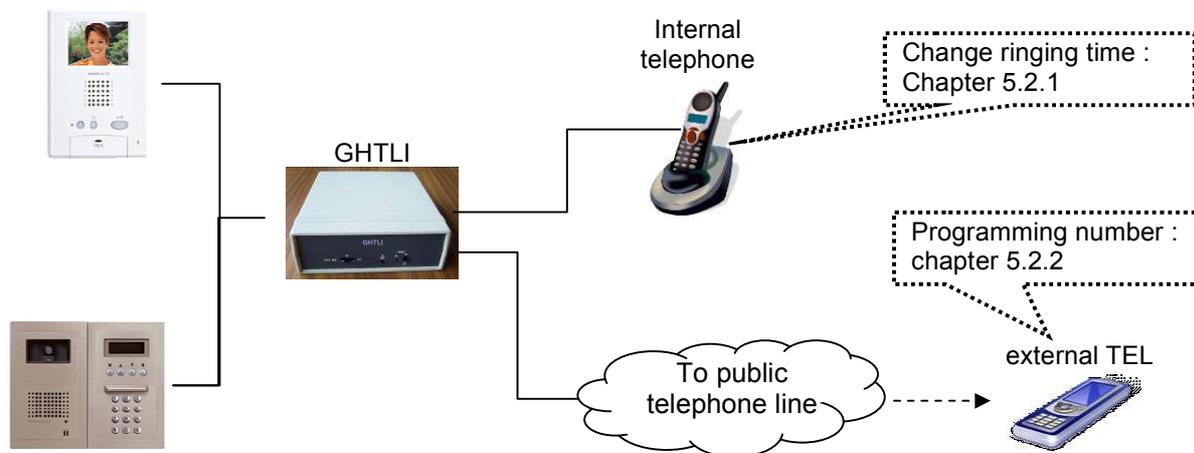
Do not forget to select 'ON' with the selector after programming.

Notes :

- A maximum of 10 seconds are allowed for each programming input - if exceeded, the panel reverts to standby mode.
- No programming entries are possible when the panel is emitting acknowledgement beeps.
- Correct programming inputs of function numbers are acknowledged by: 1 long beep.
- Correct programming inputs of parameters are acknowledged by: 3 short beeps or emission of message 6('The Code entered is correct'). GHTLI waits for new function number.
- Incorrect programming inputs are acknowledged by: 2 long beeps or emission of message 5('The Code entered is incorrect').

5.2 Basic Programming

The followings are necessary for quick usage of GHTLI.



5.2.1 Ringing time of internal telephone (Program Code:20)

Set the number of seconds the internal telephones are to ring.

Parameter	Detail
XX	Time in second from 10 to 45.

ex. *2001 # (3 short beeps) 20 (long beep) XX (3 short beeps)

5.2.2 Programming external telephone number (Program Code:21)

Parameter	Detail
XXXXXXXXXX	Up to 16 figures

ex. *2001 # (3 short beeps) 21 (long beep) XXXXXXXX # (3 short beeps)

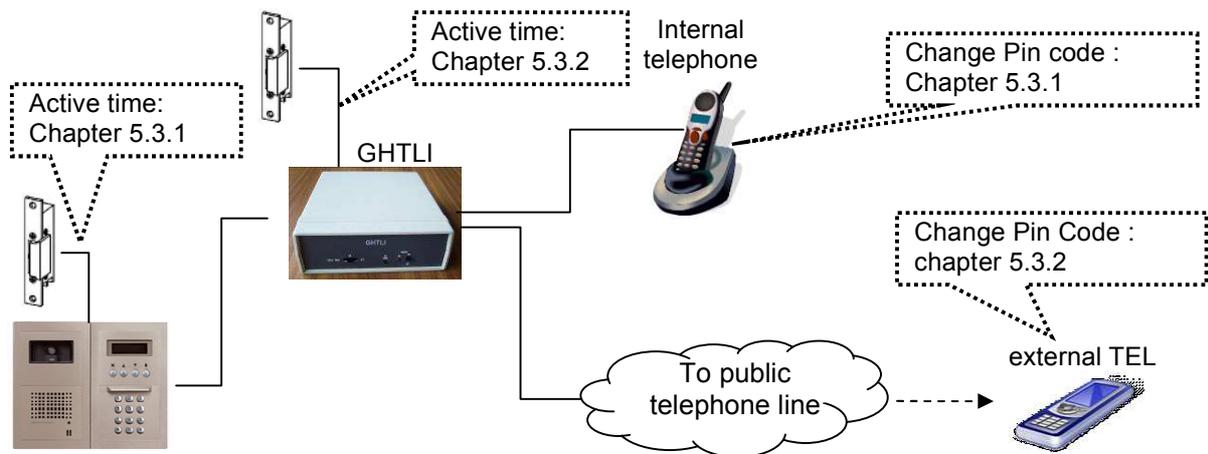
- If telephone number is less than 16 digits, press # to validate.
- Enter *, if you want to pause in telephone number is requested.
- To delete a call number, press # instead of telephone number, after receiving the long beep.

<Example>

Call number: 016911XXXX required. GHTLI installed behind a PABX, so need "0" to dial outside.

*2001 # (3 short beeps) 21 (long beep) 0*016911XXXX# (3 short beeps)

5.3 Remote Control (relay)



5.3.1 Remote control for GH-DA relay (Program Code: 25,31)

For the pin code of GH-DA relay can be programmed with 2 digits codes.

Parameter	Detail
XX	2 figures

ex. * 2000 # (3 short beeps) 25 (long beep) 15 (3 short beeps)

And the duration of door release can be also programmed from minimum 1 sec to maximum 10 sec as follows.

Parameter	Detail
XX	01 to 10sec

ex. * 2000 # (3 short beeps) 31 (long beep) 03 (3 short beeps)

Note

- To delete a code, simply press # after receiving the long beep.

5.3.2 Remote control for GHTLI relay (Program Code: 30,32)

For the pin code of GHTLI relay can be programmed with 2 digits codes.

Parameter	Detail
XX	2 figures

ex. * 2000 # (3 short beeps) 30 (long beep) 25 (3 short beeps)

And the duration of door release can be also programmed from minimum 1 sec to maximum 10 sec as follows.

Parameter	Detail
XX	1 to 10sec

ex. * 2000 # (3 short beeps) 32 (long beep) 09 (3 short beeps)

Note

- To delete a code, simply press # after receiving the long beep.



IMPORTANT

Please don't program same code between above 2 door release code.
If you set the same code, you can't operate GHTLI door release function.

After doing the basic programming (chapter 5.2), it is possible to adapt GHTLI to special requirements by entering the following parameters.

5.4.1 Communication ends after activation of GH-DA relay (Program Code: 35)

Setting for the status after the door release function to GH-DA relay from internal or outside telephone.

Parameter	Function
0	Continue communication
1(long beep)0	End communication after the command input
1(long beep)1	End communication after 5 sec of the command input

- ex. * 2000 # (3 short beeps) 35 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 35 (long beep) 1 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 35 (long beep) 1 (long beep) 1 (3 short beeps)

5.4.2 Communication ends after activation of GHTLI relay (Program Code: 37)

Setting for the status after the door release function to GHTLI relay from internal or outside telephone

Parameter	Function
0	Continue communication
1(long beep)0	End communication after the command input
1(long beep)1	End communication after 5 sec of the command input

- ex. * 2000 # (3 short beeps) 37 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 37 (long beep) 1 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 37 (long beep) 1 (long beep) 1 (3 short beeps)

5.4.3 Call Notification when the Telephone is busy (Program Code: 43)

When transferred a call and if the line is engaged, inform the call by "Beep" sound or "Message" Setting "Beep" or "Message". This message is announced only for internal telephone.

Parameter	Function
0	Beep tone
1	Message

- ex. * 2000 # (3 short beeps) 43 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 43 (long beep) 1 (3 short beeps)

5.4.4 Type of ringing signal on internal phone (Program Code: 58)

Change calling cycle.

Parameter	Function
0	Ring 1.5 seconds, silence 3.5 seconds repeated.
1	Ring 1 second, silence 1 second repeated.

- ex. * 2000 # (3 short beeps) 58 (long beep) 0 (3 short beeps)
 * 2000 # (3 short beeps) 58 (long beep) 1 (3 short beeps)

5.4.5 Ringing time before answering (from outline to GHTLI) (Program Code: 59)

If GHTLI is installed on the same internal telephone line, you can set the answering time from outline call.

If you set 10 seconds, GHTLI answer after 10seconds when receive outline call.

Parameter	Detail
XXX	Minimum: 010 for 10 seconds Maximum: 255 for 255 seconds.

ex. * 2000 # (3 short beeps) 59 (long beep) XXX (3 short beeps)

5.4.6 Changing Programming Password (Program Code: 90,91)

Change ID code for "2000"

Parameter	Detail
XXXX	4digits

ex. * 2000 # (3 short beeps) 90 (long beep)1234 (3 short beeps)

Change ID code for "2001"

Parameter	Detail
XXXX	4diftits

ex. * 2001 # (3 short beeps) 91 (long beep) 5678 (3 short beeps)



IMPORTANT
Please don't set the same ID code.
If you set the same ID code, you can't enter the programming mode for "**2001#".

5.4.7 Country Selection (Program Code: 05)

As tones are different from a Country to another one, it is necessary to choose the Country where is used GHTLI.

Parameter	Detail
XX	Input Telephone Country Code (Refer to Countries list at the end of this manual).

For example: GHTLI used in Belgium:

ex. * 2000 # (3 short beeps) 05 (long beep) 32 (long beep)

5.4.8 Language Selection for Voice messages (Program Code: 78)

GHTLI have 6 languages and 2 voice message card.

Card 1: French, English and Dutch

Card 2: Spanish, German and Italian

Parameter	Detail
X	0:French, 1:English, 2:Dutch, 3: Spanish, 4:German, 5 : Italian

ex. select English

* 2000 # (3 short beeps) 78 (long beep) 1 (long beep)

5.5 Tone Programming

5.5.1 Start communication with external telephone (Program Code: 95)

This parameter decides the response function.

If you choose parameter “1” you have to push the any key of telephone for answer the door call.

Parameter	Detail
X	Decide for 1 st call. 0: start communication if end of ringing tone detected 1: start communication if DTMF detected (any figure)

ex. * 2000 # (3 short beeps) 95 (long beep) X (long beep) Y (3 short beeps)

5.5.2 Disconnect after silence of or continuous signal of X seconds (Program Code: 97)

If GHTLI can't detect hang up of external telephone line, GHTLI disconnect automatically after X seconds.

Parameter	Detail
X	- 0: function is OFF - 1: time is 5 seconds - 2: time is 10 seconds - - 9: time is 45 seconds.

ex. * 2000 # (3 short beeps) 97 (long beep) Y (3 short beeps)

Example: if the tone signalling the end of the communication is continuous, and if time programmed is 10 seconds, during the communication, when GHTLI detects a continuous tone during 10 seconds, it will cut the line.

5.5.3 Automatic pause prior to dialling (Program Code: 98)

GHTLI can be programmed to pause from 1 – 6 seconds before start dialling.

A pause can also be included in the phone number (for example, if GHTLI is installed on an extension port of a PABX).

Parameter	Detail
X	from 1 to 6 seconds

ex. * 2000 # (3 short beeps) 98 (long beep) X (3 short beeps)

5.5.4 Programming the tones by manual (Program Code: 99)

If you use GHTLI with analogue PABX have different public tone signal, you can programme ringing tone, busy tone, and occupied tone by manual.



IMPORTANT
If you use this function, please check your PABX specification at first.
(Refer to the manual of the PABX or ask installer)

The values are always programmed with 3 to 4 digits, in milliseconds.

(For example: 0.8 seconds will be 800, 1.5 seconds will be 1 500)

<<Notice>>

If you already programmed country code at chapter 5-4-8, this parameter is set your country parameter. Therefore when use this unit at public telephone line you don't have to change these parameters.

<Fro example>

Ringing tone: 1s ON/ 3s OFF

Busy tone: 200ms ON/ 400ms OFF

Occupied tone: 500ms ON/ 500ms OFF

Tones	Values	+/- Limits	Minimum /Maximum	Values of programming
Ringing tone (ON)	1s	-200 ms	800 ms	080
		+200 ms	1200 ms	120
Ringing Tone (OFF)	3s	-200 ms	2800 ms	280
		+200 ms	3200 ms	320
Busy tone (ON)	200ms	-50 ms	150 ms	015
		+50 ms	250 ms	025
Busy Tone (OFF)	400ms	-50 ms	350 ms	035
		+50 ms	450 ms	045
Disconnect tone (ON)	500ms	-200 ms	300ms	030
		+50 ms	550 ms	055
Disconnect tone (OFF)	500ms	-200 ms	300 ms	030
		+50 ms	550 ms	055

<Programming procedure>

→ enter **CODE 99**,

- after receiving a long beep, enter **the tone type value of the ringing tone (1 = simple, 2 = double)**,
- after receiving a long beep, enter **the minimum value of the ON signal of the ringing tone**,
- after receiving a long beep, enter **the maximum value of the ON signal of the ringing tone**,
- after receiving a long beep, enter **the minimum value of the OFF signal of the ringing tone**,
- after receiving a long beep, enter **the maximum value of the OFF signal of the ringing tone**,

- after receiving a long beep, enter **the tone type value of the busy tone (1 = simple, 2 = double)**,
- after receiving a long beep, enter **the minimum value of the ON signal of the busy tone**,
- after receiving a long beep, enter **the maximum value of the ON signal of the busy tone**,
- after receiving a long beep, enter **the minimum value of the OFF signal of the busy tone**,
- after receiving a long beep, enter **the maximum value of the OFF signal of the busy tone**,

- after receiving a long beep, enter **the tone type value of the EOC tone (1 = simple, 2 = double)**,
- after receiving a long beep, enter **the minimum value of the ON signal of the Disconnect tone**,
- after receiving a long beep, enter **the maximum value of the ON signal of the Disconnect tone**,
- after receiving a long beep, enter **the minimum value of the OFF signal of the Disconnect tone**,
- after receiving a long beep, enter **the maximum value of the OFF signal of the Disconnect tone**,

EXAMPLE <Programming code>

***2000#(3 short beeps) 99 (long beep)**

1(long beep)080(long beep)120(long beep)280(long beep)320(long beep)

1(long beep)015(long beep)025(long beep)035(long beep)045(long beep)

1(long beep)030(long beep)055(long beep)030(long beep)055(3 short beeps)00(End)

IMPORTANT:

if there is not "Disconnect tone" or if the "disconnect tone" is continuous (no OFF signal), enter 000 for the 4 values of this tone.

Therefore if don't use "Disconnect tone" in this case, enter the programming code is following.

EXAMPLE <Programming code>

***2000#(3 short beeps) 99 (long beep)**

1(long beep)080(long beep)120(long beep)280(long beep)320(long beep)

1(long beep)015(long beep)025(long beep)035(long beep)045(long beep)

1(long beep)000(long beep)000(long beep)000(long beep)000(3 short beeps)00(End)

5.6 Audio Messages (option)

5.6.1 Audio level for the messages (Program Code: 18)

Parameter	Detail
X	0 (maximum level) to 7 (minimum level)

ex. * 2000 # (3 short beeps) 18 (long beep) X (3 short beeps)

5.6.2 Messages programming (Program Code: 41)

There are 10 audio messages (8 seconds maximum per message).

These audio messages can be set to either ON or OFF to suit the installation.

Parameter	Detail
Y	0: audio message OFF 1: audio message ON #: listen to the message

ex. * 2000 # (3 short beeps) 41 (long beep) XX (long beep) Y (3 short beeps)

XX: of the message number of following.

For example:

If you turn off the message 01, set the following.

ex. * 2000 # (3 short beeps) 41 (long beep) 01 (long beep) 0 (3 short beeps)

<Messages list>

Message 01: "Please wait, your call is in progress"

Message 02: "Please enter"

Message 03: "Sorry, the line is busy. Please try again later"

Message 04: "Sorry, no answer. Please try again later"

Message 05: "The code entered is incorrect"

Message 06: "The code entered is correct"

Message 07: "Call from door Panel"

Message 08: "Telephone Call"

Message 09: "Routing on"

Message 10: "Routing off"

5.7 Initialisation

Return to Default all parameters. (Programming ID code changed to 2000 and 2001).

ex. * 2000 # (3 short beeps) 29 (3 short beeps)

6.USER PROGRAMMING

This setting decides GHTLI activate or deactivate.

< Setting from **Internal telephone**>

If you want to set using internal telephone, hock off the internal telephone and push the following code directly.

Activate code	Function
#*0	Disable the 'transfer mode'. The correspondent hears the message 10 (' <i>Routing off</i> ') or 3 short beeps after the code.
#*1	Validate the 'transfer mode'. The correspondent hears the message 9 (' <i>Routing on</i> ') or 3 short beeps after the code.
#*#	Disable the Call to Internal telephone and external telephone. (GHTLI don't activate.) The correspondent hears 3 short beeps after the code.
#**	Reactivate the Call to telephone. (GHTLI can activate.) The correspondent hears 3 short beeps after the code.

<Setting from **External telephone**>

Dial the telephone line number. The internal telephone rings. After the delay programmed, the system answers. The correspondent hears 'Call from door panel' or 3 short beeps.

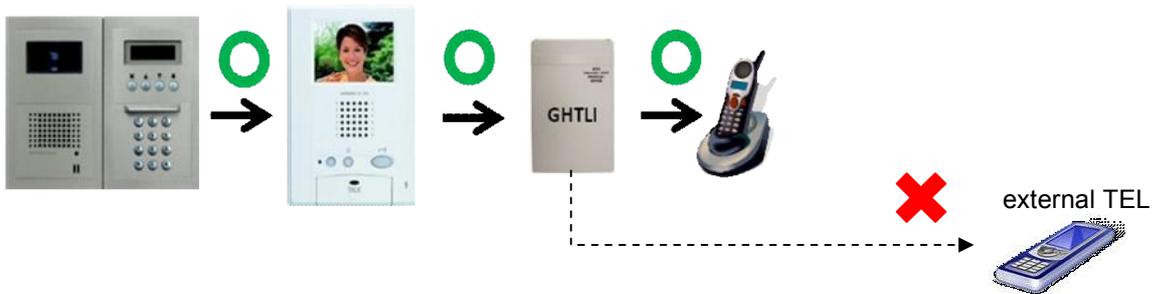
Activate code	Function
#*0	Disable the 'transfer mode'. The correspondent hears the message 10 (' <i>Routing off</i> ') or 3 short beeps after the code.
#*1	Validate the 'transfer mode'. The correspondent hears the message 9 (' <i>Routing on</i> ') or 3 short beeps after the code.
#*#	Disable the Call to Internal telephone and external telephone. (GHTLI don't activate.) The correspondent hears 3 short beeps after the code.
#**	Reactivate the Call to telephone. (GHTLI can activate.) The correspondent hears 3 short beeps after the code.

7. OPERATIONS

7-1 Answering a door call

7-1-1 Telephone transfer OFF

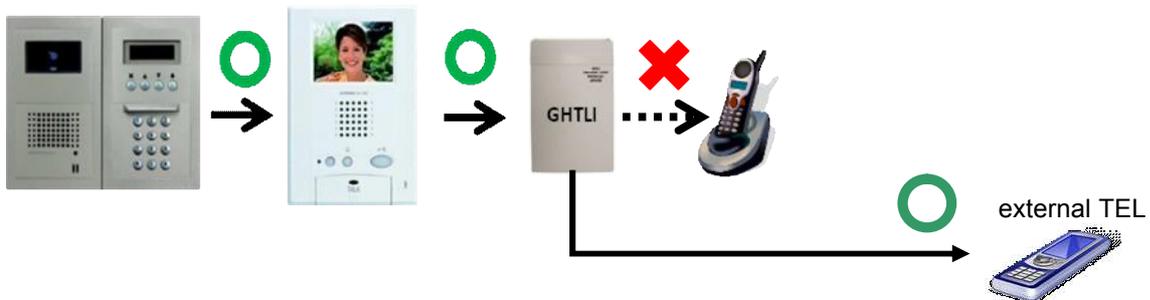
Hock off the internal telephone or dial the telephone line number of GHTLI and push “#*0” .
This mode deactivates telephone transfer function, and only internal telephone ends.



1. Press the Call Button on GH door station.
2. Internal telephone is called
3. Hock off the internal telephone, and can communicate to door station.
3. Hang up the internal telephone or after 1 minute, communication is stop.

7-1-2 Telephone transfer ON

Hock off the internal telephone or dial the telephone line number of GHTLI and push “#*1” .
This mode activates telephone transfer function, and External telephone ends.



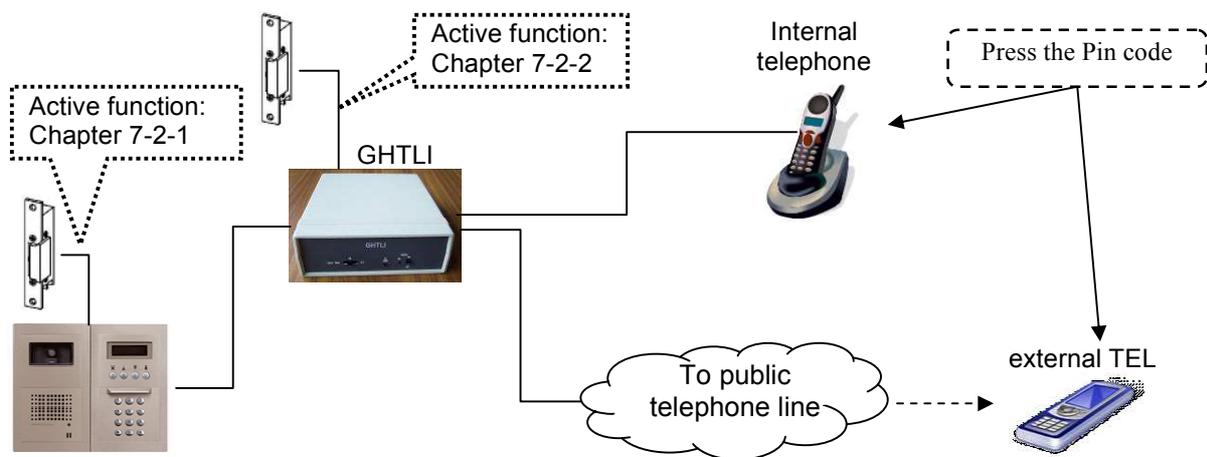
1. Press the Call Button on GH door station.
2. GH-DA is called and after call approx 10 sec, the call is transferred to external telephone number.
3. Hock off the external telephone, and starts communication to door station.
3. Hang up the external telephone or after pass 1 minute, communication ends.



ATTENTION

If you hock off the internal telephone during transferring the door call,
you have communicated with door station and external telephone.

7-2 Activating door release



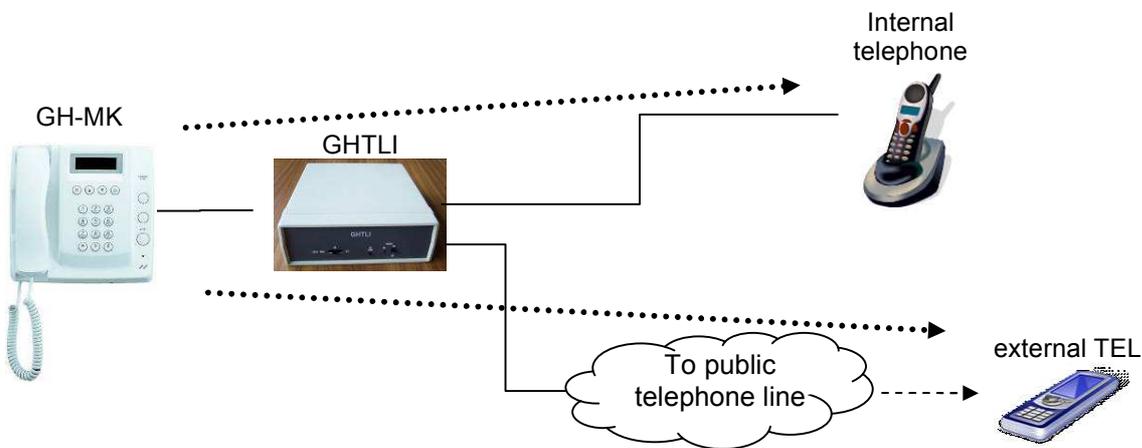
7-2-1 operate door release of GH-DA relay

While either internal telephone or external telephone is communicating with a door station, the door release on GH-DA relay will be activated by pressing “10” on the phone.

7-2-2 Operate door release of GHTLI relay

While either internal telephone or external telephone is communicating with a door station, the door release on GHTLI relay will be activated by pressing “20” on the phone.

7-3 Call from GH-MK



When it program between GH-MK and GHTLI, GHTLI can transfer the calling from GH-MK.

8. TECHNICAL PRECAUTIONS

- Operating temperature: 0°C - 40°C (32°F – 104°F).
- Cleaning: Use a soft duster with neutral detergent.

9. SPECIFICATIONS

- Dimensions: 51(H) x 154.0(W) x 179.5 (D) mm.
- Weight: 0,180 kg
- Power supply: 12V DC – 1,5A
- Request to exit: 2 (N.O/N.C)
- Material ABS module
- Current consumption: Stand by: 100mA, when internal telephone rings: 550mA,
When voice message on : 110mA,
When relay is on by internal telephone : 260mA

- Connection: (1) CO line
(2) PABX with Analogue line. (non digital)

- Telephones: (1) Standard analogue DTMF “Touch Tone” .
(2) Mobile Telephone
(3) Cordless Telephone
- Programming: Local or remotely Via a Touch-tone (DTMF) telephone.
- Program number: 2 call-numbers (16 figures maximum per call-number).

- CE Norms: EN60950
EN55022 Edition 98 Classe B
EN55024 Edition 98 Classe B
CTR21

COUNTRY CODES

Code	Country
7	Russian Federation
30	Greece
31	Netherlands (Kingdom of the)
32	Belgium
33	France
34	Spain
36	Hungary (Republic of)
39	Italy
39	Vatican City State
40	Romania
41	Switzerland (Confederation of)
43	Austria
44	United Kingdom of Great Britain
45	Denmark
46	Sweden
47	Norway
49	Germany (Federal Republic of)
351	Portugal
352	Luxembourg
353	Ireland
354	Iceland
356	Malta
357	Cyprus (Republic of)
358	Finland
371	Latvia (Republic of)
372	Estonia (Republic of)
377	Monaco (Principality of)
380	Ukraine
385	Croatia (Republic of)
420	Czech Republic

Recode of setting and registration details

PROGRAMMING	Default value	Installation
Ringing duration of internal telephone (20)	45s	
1 st Call Number (21)	460	
DTMF code to operate the GH-DA relay	0	
Operating time of the relay	5s	
DTMF code to operate the GHTLI relay	2	
Operating time of the relay	5s	
Activation-desactivation of transfer mode (28)	DTMF code	
End of communication after activation of GH-DA relay	Yes	
End of communication after activation of GHTLI relay	Yes	

	Default value	Installation
Parameters Programming Password	2000	
Call-Button Programming Password	2001	

Phone Number of GHTLI:

S/N of GHTLI :

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of two 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, 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. 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.

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