

# Operating Instructions

**Easa-Phone™**  
Key Telephone System

**VA-208**



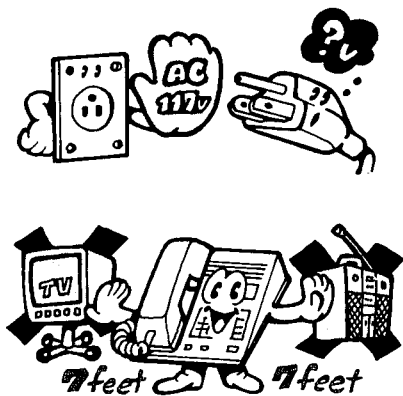
## Panasonic

Before operating this unit, please read these instructions completely.

Thank you for purchasing the Panasonic Easa-Phone VA-208, Key Telephone System.

- This unit can be used with any of pulse and/or touch tone lines.  
In addition, two dialing speeds of 20 PPS (fast dialing speed) and 10 PPS (slow dialing speed) can be mixed as a dialing speed for a rotary dialing line. (Pulse Line)
- Keys used by this unit are all of a non-lock type.

## ■ IMPORTANT INSTRUCTIONS



**Always follow the instructions below for your safety.**

- This unit generates radio frequencies (RF). Therefore, keep the unit away from a TV set and radio to prevent noises.
- Never use paint thinner and the like for cleaning a telephone.  
If the telephone becomes too dirty, wipe it off with a piece of cloth dampened with a kitchen detergent, then wipe it again with a dry cloth.
- Keep the set installation, terminals, connectors, etc. free from water and so forth.  
Also, do not use the unit at a place with high humidity or a place exposed to the rain.
- Always plug a power cable to AC117V plug receptacle only.
- Do not change the set installation location without consulting the dealer/installer from which you purchased the unit.

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## ■ IMPORTANT NOTICE

This unit generates radio frequencies (RF). If not used in strict accordance with the manufacturer's instructions, it may cause interference to radio and television reception. This unit has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this unit does cause interference (such as static) to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by employing one or more of the following measures:

- change the location or position of the receiving antenna (indoor type) of the radio or TV.
- move the unit away from the radio or TV.
- plug the unit into a different outlet so that the unit and the radio, or TV are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U. S. Government Printing Office Washington, D. C., 20402, Stock No. 004-000-00345-4.

This telephone does not provide magnetic coupling to hearing aid and is prohibited for use by FCC rules in the following locations:

1. Places where a person with impaired hearing might be isolated, such as elevators, highways, tunnels, etc.
2. Hospital rooms, residential health care facilities, convalescent homes, and prisons, specifically where telephone are used for signalling life-threatening or emergency situation if alternative means of signalling are not available.
3. Places where telephones are specifically installed to alert emergency authorities such as police, fire or medical assistance personnel.
4. Workstations for hearing impaired employee.
5. Places in which visits by public are reasonably expected, such as lobbies of hotels, motels, apartment buildings, public transportation terminals, stores, etc.
6. Hotels and motels where fewer than ten percent at the rooms contain hearing-aid compatible telephones or contain no jack for plug-in hearing-aid compatible telephones.

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**NAME AND FUNCTION OF EACH ITEM**

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**WHEN PROVIDING COL COMMUNICATION**

1. When making a telephone call.
2. When storing numbers into the memory.
3. When receiving a telephone call.
4. When temporarily holding the line.
5. When transferring a COL incoming call to another telephone.
6. When providing COL conference.

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**CONVENIENT FEATURES FOR COL COMMUNICATION**

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**WHEN PROVIDING INTERCOM COMMUNICATION**

1. When making individual access to intercom.
2. When making simultaneous access to intercom.
3. When temporarily holding the line.
4. When transferring a conversation to another telephone.
5. When providing an intercom conference.
6. When making an intercom alternate point answering.

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**CONVENIENT FEATURES FOR INTERCOM COMMUNICATION**

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## NAME AND FUNCTION OF EACH ITEM

1. **Handset**
2. **Speaker**  
For enabling various signal sounds and conversation voices to be heard.
3. **One-Touch Button**  
Used for storing numbers in the memory (up to 10 numbers every telephone) or dialing a number in the memory.
4. **Dialing Button**
5. **INT Indicator**  
Flashes in intercom arriving and in hold mode, and lights up in intercom communication mode.
6. **Line Selector Button - Indicator**  
Capable of connecting up to two CO lines.  
A lamp of the CO line being used by you will flash while a lamp of the line being used by another party will light up.
7. **\* Asterisk Button**  
Used in the intercom alternate point answering mode, etc.
8. **Emergency Button**  
Enables one-touch dialing to FIRE, POLICE.
9. **Redialing Button**  
Used to redial the party you called last.
10. **# Sharp Button**  
Used for answering to the simultaneous intercom call, doorphone call, etc.

### 11 FLASH Button

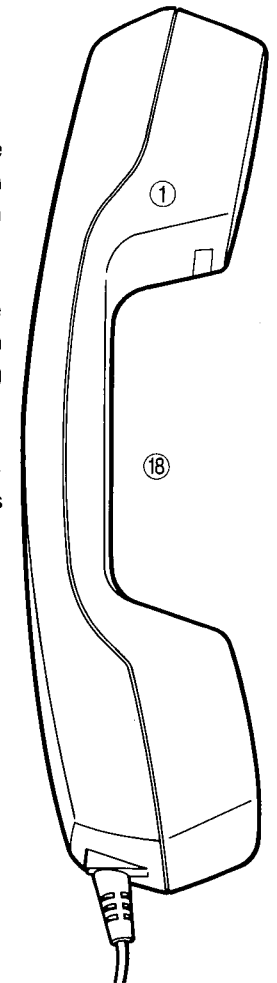
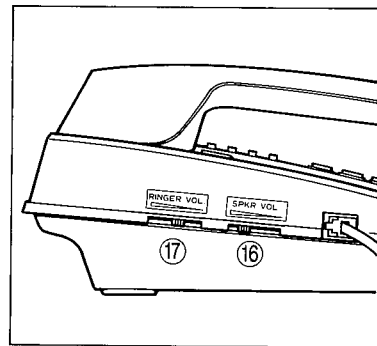
Provides the same telephone operation as hanging up a handset. This button is used in FLASH mode.

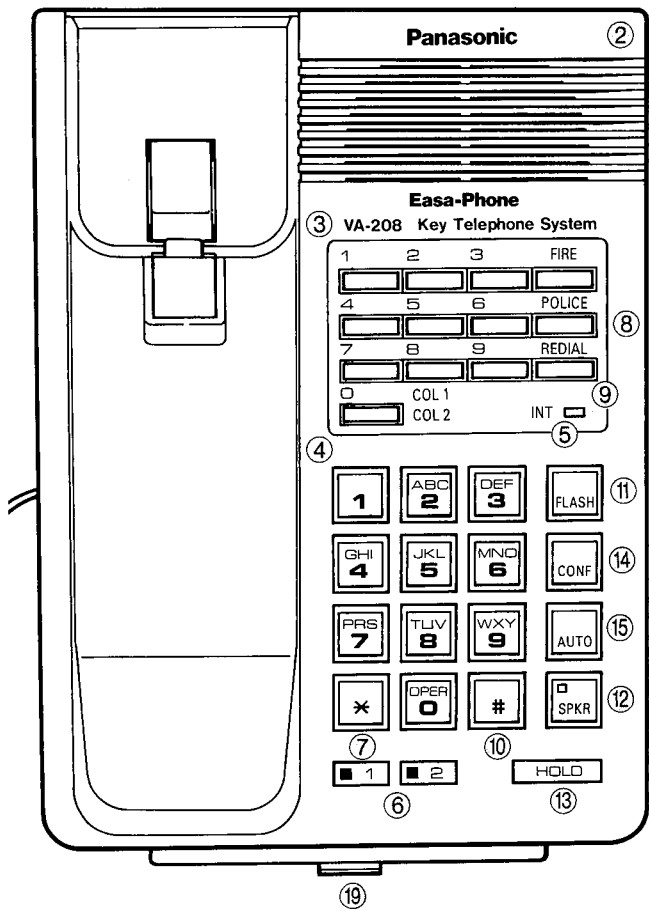
### 12 SPKR Button - Indicator

Provides the same telephone operation as lifting off a handset. For on-hook dialing only.

### 13 HOLD Button

Used when temporarily holding the line and when pause is necessary on entering memory.





- 14 CONF Button**  
Used for transferring a call or for a conference.
- 15 AUTO Button**  
Used when entering numbers in the memory and when automatically dialing a number stored in the memory.
- 16 Speaker Volume Control**  
For adjusting the sound level of a voice from the speaker.
- 17 Tone Ringer Volume Control**  
For adjusting the volume of incoming ringing tone, calling tone and voice .
- 18 Volume Selector (located on the back of the handset)**  
For enabling the sound level of your party's voice to be made louder when switched to H side, if the other party's voice is weak.
- 19 Telephone numbers List**  
For entering numbers in the memory or intercom numbers for your convenience.

**ACCESSORIES**

Fuses	0.3AX2, 1.0AX2, 2.0AX1, 8AX1
Fixtures for installing the main unit on the wall	One set
Operating instructions	One copy
Operational Procedure List	8 copies
Installation manual	One copy
Short Telephone Line Cord for Wall Mounting of telephone	2 pieces



# WHEN PROVIDING COL COMMUNICATION

## 1. WHEN MAKING A TELEPHONE CALL

### (1) Manual dialing



NOTE

- It will return to Standby mode unless the dialing is done within approximately 15 seconds after pressing Line Selector Button-Indicator, in the on hook dialing mode.
- Set the knob of Monitor Volume Control ⑯ to "High", if the level of a noise around the telephone is high.



- 1 Press the vacant Line Selector Button-Indicator ⑥ .
  - COL dialing tone
  - SPKR Button-Indicator will light up.

\* Dialing can be also done by lifting Handset. Then pressing Line Selector Button or by just pressing Line Selector Button to activate monitor speaker.



2. Press Dialing Buttons ④ of the desired telephone number.



- 3 In monitor Speaker mode ② pick up Handset after party has answered.



- 4 Lift Handset ① .

Now, a telephone conversation with your party is available.

(2) Redialing the last dialed telephone number



1 Press Redialing Button ⑨ .



Now, the last dialed telephone number is dialed automatically.

**N  
O  
T  
E**

Redialing can be also done by lifting off Handset, pressing Line Selector Button-Indicator ⑥ , then pressing Redialing Button ⑨ .

### (3) Automatic dialing

In case of the automatic dialing, 88 stations for Common, 2 stations for Emergency and 10 Stations for each individual telephone are available.

- Dialing a number stored in the memory



- 1 Press the vacant Line Selector Button-Indicator ⑥.



- 2 Press AUTO Button ⑮.



- 3 To dial the number stored, press any two number from

00~87.

Now, the number is dialed automatically.

• Dialing an emergency number



1 Press the vacant Line Selector Button-Indicator ⑥.



2 Press Emergency Button ⑧.

Now, the emergency number is dialed automatically.

- Dialing an individual number stored in the memory.



- 1 Press the vacant Line Selector Button-Indicator ⑥.



- 2 Press One-Touch Button ③.



Now, the individual number is dialed automatically.

- \* Even in the one-touch button dialing mode, the dialing operation will be stopped half-way if Line Selector Button-Indicator is pressed again.

## 2. WHEN STORING NUMBERS INTO THE MEMORY.

### ● When storing common numbers.

Common stored-numbers are stored numbers available for every telephone.

To store these numbers, only TEL. 1 can be used. Storing operation by the use of TEL. 1 is still enabled even when TEL. 2 through TEL. 8 are in use.



- 1 Press SPKR Button ⑫.
  - Intercom dialing tone (a continuous tone) will be heard.
  - SPKR Indicator will light up.



- 2 Press AUTO Button ⑮.
  - The intercom dialing tone will cease.



- 3 Press Dialing Buttons 00 ~ 87.



- 4 Press telephone number to be stored.
  - Up to 16 digits can be stored.



- 5 Press CONF Button ⑭.
  - On completion of the storing operation, an intercom tone will be heard.
- 6 When storing additional telephone numbers in succession, repeat the operations 2 through 5 as described above.
- 7 Press SPKR Button ⑫.
  - The intercom dialing tone will cease.
  - SPKR Indicator will go off.

Now, the telephone number(s) is (are) stored.

- To change the stored telephone number(s), repeat the operations 1 through 7 as described above. The storage of the old telephone number(s) is (are) erased and (a) new telephone number(s) is (are) stored.

● **When storing emergency numbers.**

Storing emergency numbers is performed by the same operations as those for the common numbers.

Dialing Buttons should be pressed as follows;



1 Press SPKR Button ⑫ .

2 Press Auto Button ⑮ .

3 Press Dialing Buttons ⑧ ⑧ for FIRE or ⑧ ⑨ for POLICE.

4 Dial telephone number to be stored.

5 Press CONF Button ⑭ .

6 Repeat steps 2 through 5 for storing next telephone number.

7 When finishing, press SPKR Button or hang up Handset.

- **When storing individual numbers.**

Individual stored-numbers are provided for each telephone.

To store individual numbers, please store them by operating the telephone that uses these numbers.

The storing operation is still enabled even when other telephones are in use.

It should be also noted that the one-touch buttons 1 through 0 that are not stored correspond to Dialing Buttons 00 through 09.

In case of storing no individual numbers into the memory, dialing is also enabled by pressing one-touch button 1 through 0 instead of pressing AUTO Button and Dialing Buttons 00 through 09.



- 1 Press SPKR Button ⑫ .
  - An intercom dialing tone (continuous tone) will be heard.
  - SPKR Indicator will light up.
- 2 Press AUTO Button ⑮ .
  - The intercom dialing tone will cease sounding.
- 3 Press One-Touch Buttons 1 through 0 ⑬ .







4 Press Dialing Buttons ④ for the telephone number to be stored.

- Up to 16 digits can be stored.



5 Press CONF Button ⑭ .

- When the number is stored, an intercom dialing tone will be heard.



6 When storing additional telephone numbers in succession, repeat the operations 2 through 5 described above.



7 Press SPKR Button ⑫ .

- The intercom dialing tone will cease.
- SPKR Indication will go off.

Now, the telephone number(s) is (are) stored in the memory.

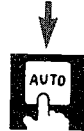
- When changing the stored telephone number(s), repeat the operations 1 through 7 described above. The storage of the old telephone number(s) is erased and (a) new telephone number(s) is (are) stored.

- **When inserting a pause between dials.**  
Press HOLD Button, it occupies a space equivalent to one digit.

**Example** • To store using MCI, SPRINT, etc.



1 Press SPKR Button ⑫ .



2 Press AUTO Button ⑮ .



3 Press Dialing Buttons 00.  
(Common Memory)



4 Press Dialing Buttons ④ for the access number to be stored.

- ex. 1 2 3 - 4 5 6 7



5 Press HOLD Button ⑬ three times.  
Three pause can be stored.

**NOTE**

Each pressing HOLD Button gives 2 sec. of pause time.



6 Press CONF Button ⑭ .



7 Press AUTO Button ⑮ .



8 Press Dialing Buttons 0 1 ④ .  
(Common Memory)



9 Press Dialing Buttons ④ for the Desired  
telephone number to be stored.

• ex. 2 0 1 - 3 9 2 - 4 3 8 9



10 Press CONF Button ⑭ .



11 Press SPKR Button ⑫ .

Now in this case, access number to MCI or  
SPRINT is stored in 0 0 and the desir-  
ed telephone numbers are stored in 0 1 .

• To dial numbers using MCI



1 Press SPKR Button ⑫ .



2 Press AUTO Button ⑮ .



3 Press Dialing Buttons 0 0 first.  
• Wait for tone and last digit dialed.



4 Press AUTO Button ⑮ .



5 Press Dialing Button 0 1 .  
• Wait for tone and the other party replies.

### 3. WHEN RECEIVING A TELEPHONE CALL

(1) When answering through the telephone at which an incoming ringing tone is heard .



1 Lift Handset ① .

Reply can be given to the calling station.

NOTE

- When two incoming COL calls are arriving at the same time, reply is given to COL 1.
- When one of these COLs are held, this auto answering feature is disabled. Press the flashing Line Selector Button ⑥ after lifting off a handset.
- Note that it is possible, by means of the programming at the installation, to disable the answering unless Line Selector Button is pressed after lifting off a handset.

(2) When answering through the telephone at which an incoming ringing tone is not heard .

1 Lift Handset ① .



2 Press the Line Selector Button ⑥ with a quick-flashing Line Selector Indicator.



Now, a reply can be done to the calling station.



#### 4. WHEN TEMPORARILY HOLDING THE LINE



- 1 Stop the conversation for a while, and press HOLD Button ⑬.
  - Line Selector Indicator ⑥ of the held CO line will flash.
  - The calling station will hear a HOLD-ON music.

NOTE

By being connected to MOH terminals on the main unit, external sounds such as a radio or voices can be used as a HOLD-ON music.

Now, the line is held.



- 2 Press Line Selector Button ⑥ of the held CO line.
  - The flashing Line Selector Indicator ⑥ will light up.

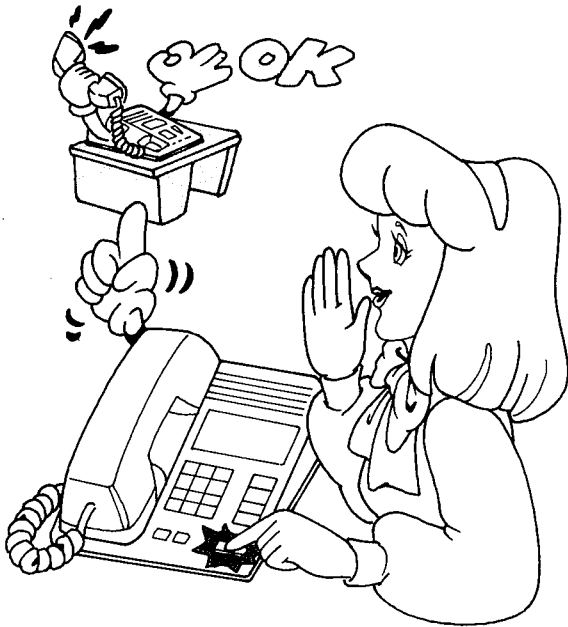
Now, the conversation is enabled.

NOTE

During the HOLD-ON mode, a conversation with another station through another CO line or intercom can be done.

## 5. WHEN TRANSFERRING A COL INCOMING CALL TO ANOTHER TELEPHONE

(1) When the party to whom the call is transferred to another extension



1 Press HOLD Button ⑬.

2 Press desired intercom number.

3 When the party answers, tell party they have a call on Line one or Two.

(2) When the party to whom the call is to be transferred is away from you [COL automatic transfer]



1 Stop the conversation for a while, and press HOLD Button ⑬ .

2 Dial the desired intercom number ④ .

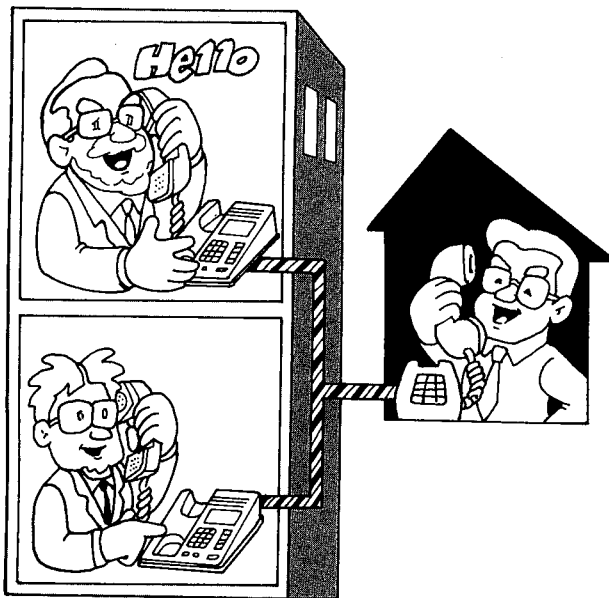
3 Wait for the party to answer the telephone, tell party there is a call on line 1 or 2.

4 Press CONF Button ⑬ .  
• A conversation among three parties is enabled.

5 Hang up Handset ① .  
• The COL party and the party to whom the call was transferred can hear a hanging-up sound.

The called party can continue, without doing anything, the conversation with the COL party.

## 6. WHEN PROVIDING COL CONFERENCE



1 Stop the conversation for a while, and press HOLD Button (13).

2 Call the third party through the vacant CO line or intercom.

3 Give a message when the party is on the line.

4 Press CONF Button (14).



Now, a conversation among three parties can be had.

## CONVENIENT FEATURES FOR COL COMMUNICATION

### ●Volume control of received voice



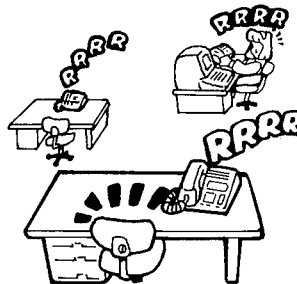
Changing Volume Selector

⑱ located on the back of the hand-set enables the sound level to increase by approximately 6 dB.

Set the volume selector to "H" side, if it is hard to hear the party's voice.

In same area, only a slight volume increase will be noticed.

### ●COL call arriving alarm ※ This has to be programmed.



If there is a delay in replying to the arriving COL call, an alarm can be sounded at all telephones.

The set time is 20 seconds or 30 seconds after the arrival of the COL call. However, no alarm is sounded at the COL set programmed.

### ●Long speech alarm ※ This has to be programmed.



Alarm tone (lasting for approximately 0.5 second) can be produced every three minutes from the beginning of an outgoing call.

### ●Volume control of arriving and monitor tones



The arriving ringing tone can be adjusted by means of Tone Ringer Volume Control ⑳.

Also, the speaker volume can be adjusted by Speaker Volume Control ㉑.

**NOTE :** About programming, see the programming table in the Installation Manual.

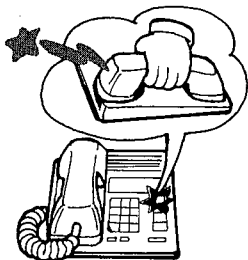


### ●Receiving with speaker



The party's voice can be heard through the speaker. Press SPKR Button ⑪ while you are on the line. The party's voice is still heard through the speaker, even if you hang up the handset. For returning again to the handset conversation mode, just lift off the handset.

### ●Flashing



FLASH Button ⑩ basically has a function equivalent to hanging up and lift off again.

### ●Interruption to COL conversation ※This has to be programmed.



This feature allows the third party to talk on the line by interrupting the COL conversation.

For the interrupting operation, press Line Selector Button of the CO line to be interrupted.

### ●Outward dialing restriction ※This has to be programmed.



Areas, such as intra-city areas, out-of-city area, etc., to which outward dialings are allowed can be limited for each telephone.

In addition, even for the telephones assigned as class 2 or class 3, a restriction can be set in order that only the origination by common SSD (System Speed Dialing) is allowed.

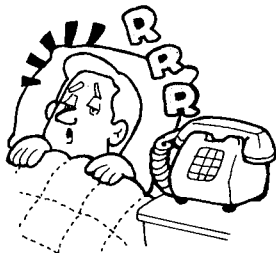
**NOTE :** About programming, see the programming table in the Installation Manual.

●Night transfer ※This has to be programmed.

Telephone calls arriving during holding or at night can be transferred automatically to the specific telephone. The operation can be done by any telephone.

- 1 Press SPKR Button ⑫.
- 2 Press # Sharp Button ⑩.
- 3 Press 6 of Dialing Button ④.

● Both of Line Selector Indicators 1 and 2 of all telephones begin to flash. To clear this feature, perform the same operation as the set operation.



●Hold recall ※This has to be programmed.



When a party is on hold (on hook position only) the phone will ring after 30 sec (1 min or 2 min) to remind you.

●Automatic pausing ※This has to be programmed.



If it is necessary to dial for an outside line, the unit provides an automatic pause after dial number "9".

**NOTE :** About programming, see the programming table in the Installation Manual.

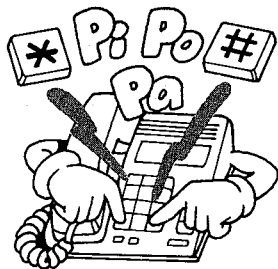
## ●DTMF signal conversion

DTMF signal can be sent out, although a dial pulse line is connected.

- 1 Make an outward dialing through a dial pulse line.
- 2 Press  Asterisk Button ⑦.
- 3 Press  Sharp Button ⑩.

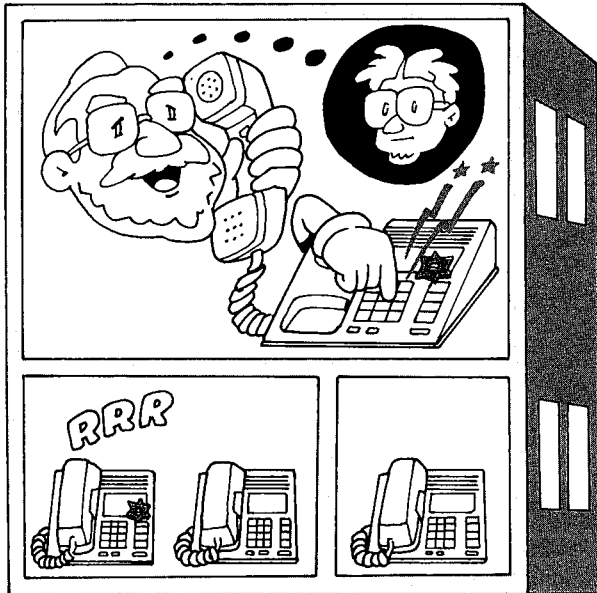
By the operations 1 through 3 above, access to MCI or SPRINT is enabled for long distance communication.

In addition, it is possible to automatically return to the dial pulse signal mode if the handset is on-hooked (hanged up).



## WHEN PROVIDING INTERCOM COMMUNICATION

### 1. WHEN MAKING INDIVIDUAL ACCESS TO INTERCOM



1 Lift Handset ① .

- An intercom dialing tone will be heard.



2 Press the Dialing Button ④ of the station to be called.

- A short calling tone will be heard at the station you are calling.
- INT indicator will light up on both phones.



3 If the person does not answer immediately, press number 1 to call again.



Now, the conversation with the called station is enabled.

## 2. WHEN MAKING SIMULTANEOUS ACCESS TO INTERCOM

### (1) Calling



- 1 Lift Handset ① .
- 2 Press **#** Sharp Button ⑩.
- 3 Press **0** of Dialing Button ④ .



**NOTE**

Make a call such as "Ladies and gentlemen in - - -".

- If an external paging unit is connected, the external paging feature will operate at the same time.

### (2) Answering



- 1 Lift Handset ① .
- 2 Press **#** Sharp Button ⑩ twice.



Now, answering can be made.

**NOTE**

- The simultaneous call is not effective to the telephone which is busy.

### 3. WHEN TEMPORARILY HOLDING THE LINE



- 1 Press the HOLD Button ⑬ .
  - INT Indicator ⑤ will slowly flash.

Now, the line is in the HOLD mode.



- 2 Press HOLD Button ⑬ again.
  - INT Indicator ⑤ will light up.

Now, the conversation is restored.

**NOTE**

- During the HOLD mode, no conversation is made with another party through the COL or intercom.

#### 4. WHEN TRANSFERRING A CONVERSATION TO ANOTHER TELEPHONE



1 Press the HOLD Button ⑬ .



2 Dial station number of the telephone to which the conversation is to be transferred.



3 Give a message when the party answers.



4 Press CONF Button ⑭ .  
● All three parties may speak.

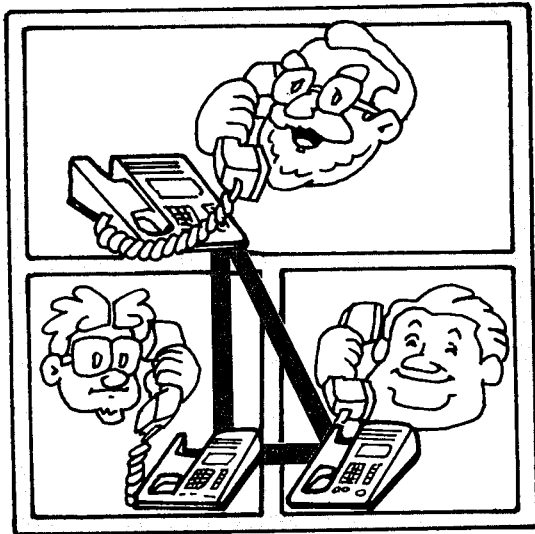


5 Hang up Handset ⑮ .  
● Hanging-up tone will be heard at the tele-  
phones of the two parties.



The called party remains as he is and can speak with his party.

## 5. WHEN PROVIDING AN INTERCOM CONFERENCE



1 Press HOLD Button ⑬ .



2 Dial the intercom number of the third party.



3 Press CONF Button ⑭. CONF Button must then be pressed by the person who pressed the HOLD Button.



Now, a conversation among three parties is made available.



## 6. WHEN MAKING AN INTERCOM ALTERNATE POINT ANSWERING



1 Lift Handset ①.



2 Press  Asterisk Button ⑦ twice.

NOTE

- The intercom alternate point answering is available in the cases of a Doorphone Call Arriving and a Call arriving during Busy time.
- When calls arrive at two telephones or more at the same time, answering is made by the telephone having the lowest intercom number.

## CONVENIENT FEATURES FOR INTERCOM COMMUNICATION

- Incoming call arriving during busy. ※ This has to be programmed.



If you are already talking to someone and another intercom number calls you, a continuous tone will be heard from the speaker.

- Receiving a call with the speaker .



This enables you to hear the party's voice through the speaker .

Press SPKR Button ⑫ while you are on the line. The party's voice is still heard through the speaker even if you hang up the handset.

If you want to return again to the handset communication mode, just lift the handset.

**NOTE :** About programming, see the programming table in the Installation Manual.

# SOUND AND LAMP INDICATIONS

## COL COMMUNICATION

ITEM		INTERVAL	REMARKS
When telephone call arrives	Normal		Approx. 450Hz + Approx. 550Hz, Synchronized with incoming ringing signal
COL busy	When used by yourself		
	When used by others		
COL held	Hold		
	Self-hold		
	Hold recall (Telephone held)		
Long speech alarm			3 minutes for the first time, then every 3 minutes
When night transfer feature is set			Lamp indicators flash at the same time for COL 1 and COL 2

NOTE: **S** and **L** represent sound and lamp indications, respectively.

## ■ INTERCOM COMMUNICATION

ITEM		INTERVAL	REMARKS
Intercom arriving	Normal		Approx. 450Hz
Intercom busy			
Intercom hold			
Intercom dialing tone			Approx. 550Hz
Intercom busy, call confirmation tone (RBT)			Approx. 550Hz
Intercom busy tone (BT)			Approx. 550Hz
Voice call confirmation tone			Approx. 550Hz

ITEM	INTERVAL	REMARKS
Busy time		Approx. 400Hz
Doorphone busy tone		INT indicator is the same as that of the intercom arriving
SPKR indicator (in on-hook dial mode)		

NOTE: **S** and **L** represent sound and lamp indications, respectively.

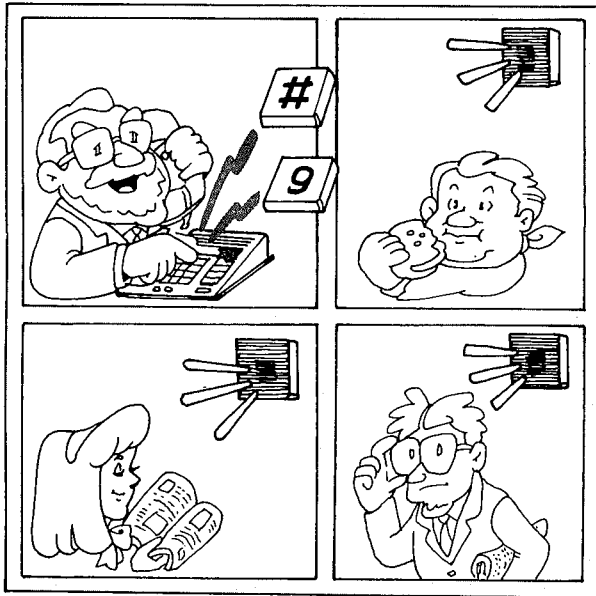
## FUNCTION AND USAGE OF OPTIONAL UNITS

### 1. WHEN PROVIDING EXTERNAL PAGING

Connect an external amplifier and (a) speaker(s) to EPA terminals of the main unit.

The internal paging can be done through any of the telephones.

#### (1) When providing the external paging only



1 Lift Handset ①.



2 Press [#] Sharp Button ⑩.



3 Press [9] of Dialing Button ④.

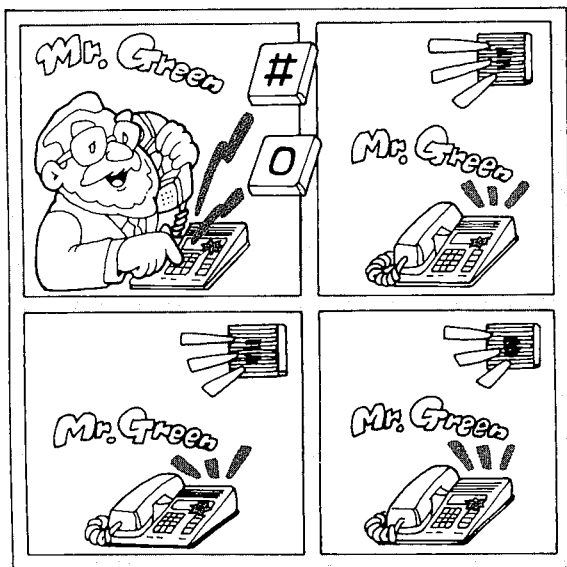
Now, the external paging is available.

NOTE

EPA must be connected to an EXTERNAL amplifier.

(2) When providing the simultaneous station call and the external paging at the same time

Refer to the descriptions as to "When making simultaneous access to intercom" on Page 28.



## 2. WHEN PROVIDING THE DOORPHONE COMMUNICATION

Connect a doorphone adaptor and a doorphone unit, then the communication with the doorphone is enabled through each telephone.

Up to two doorphone units, that is, Doorphone A and Doorphone B, can be connected.

In addition, an incoming ringing tone of each doorphone unit can be sounded at up to 5 telephones, respectively.

[#] 1 of Dialing Button corresponds to answering or calling for Doorphone Unit A.

Also, [#] 2 of Dialing Button corresponds to answering or calling for Doorphone Unit B.

Doorphone A and B have a different sound.

### (1) When answering through the telephone to which a doorphone incoming ringing tone is set

A calling tone from the doorphone unit will be heard and INT Indicator will light up for approximately 15 seconds.



While the INT Indicator is lighting,

- 1 Lift Handset ①.

Now, the doorphone communication is available after the INT Indicator goes off.

After the INT Indicator lamp goes off,



- 1 Lift Handset ①.
- 2 Press [#] Sharp Button ⑨.
- 3 Press [1] or [2] of Dialing Button ④.

Now, the doorphone communication is available.



(2) When answering through the telephone to which no doorphone incoming ringing tone is set



1 Lift Handset ①.



2 Press **#** Sharp Button ⑨.

3 Press **1** or **2** of Dialing Button ④.

Now, the doorphone communication is available.



## WHEN POWER FAILURE OCCURS

	For approxi. 30 minutes after the occurrence of power failure.	After approxi. 30 minutes	When completely stopped.	
Telephones assigned for Power Failure (TEL. 1, 2)	<ul style="list-style-type: none"> <li>• TEL. 1 and TEL. 2 can be used for dialing and receiving through COL 1 and COL 2, respectively. For the operation, just lift off the handset.</li> <li>• The intercom will be disabled at the same time as the occurrence of power failure.</li> <li>• SSD feature and re-dialing feature are still available.</li> </ul>	<ul style="list-style-type: none"> <li>• For the telephones in the HOLD mode, HOLD lamp flashes continuously and a hold recall tone is sounded. In addition, the restoration of the communication of the hold mode can be done only by the telephone that was held.</li> </ul>	<ul style="list-style-type: none"> <li>• The communication remains as it is, only when it is in use. In addition, an arriving during busy tone is heard with a short interval. This is an alarm indicating that the battery will discharge soon.</li> </ul>	<ul style="list-style-type: none"> <li>• Outward COL dialing is disabled.</li> <li>• Incoming COL arriving is enable only when an external ringer is installed in parallel.</li> </ul>
Telephones not assigned for Power Failure (TEL. 3 ~ 8)	<ul style="list-style-type: none"> <li>• COL communication remains as it is, only when it is in use.</li> <li>• Intercom will be disabled at the same time as the occurrence of power failure.</li> </ul>	<ul style="list-style-type: none"> <li>• Disabled.</li> </ul>	<ul style="list-style-type: none"> <li>• Disabled.</li> </ul>	

**NOTE**

- The power failure backup battery operates for approximately 30 minutes.
- In case of Power Failure, Indicators other than HOLD are all disabled at the telephones from No.3 to No.8.
- In a case of complete power failure (complete stoppage of power supply), set AC Power Switch on the main unit to "OFF" position.
- The power failure backup battery will be charged up by charging for 15 hours, after 1 hour-power failure.
- Replace the power failure backup battery with a new one every 3 years or so.
- Use a designated battery only.

# PRIORITY WHEN MAKING A CALL AND RECEIVING A CALL OCCUR AT THE SAME TIME

When making a call and receiving a call occur at the same time, the line is connected to the one having the higher priority.

## HOW TO READ THE TABLE

Example:

	COL
HOLD RECALL	Maintained Prior incoming call  Disabled Later incoming call

**NOTE 7)** phone.  
Incoming call during the busy tone is heard if the incoming call during busy tone is set.

- E 1)** COL 1 tone and COL 2 tone are mixed and a mixed tone rings.
- NO 2)** When answering is made to an incoming COL call, HOLD Recall occurs again.
- NOTE 3)** A mixed tone rings.
- NOTE 4)** A mixed tone rings.  
Connection is made to Doorphone, when handset is lifted off.  
At this time, COL incoming call ringing tone is changed to incoming call during busy tone.
- NOTE 5)** A mixed tone rings. When the handset is lifted off, connection is made to a doorphone call arriving later. Prior incoming call arriving tone disappears.
- NOTE 6)** Incoming call arriving tone is heard through the handset, only while talking with the door-

Prior / Later		Status of Incoming Call and Calling					
		Incoming COL Call	HOLD Recall	Incoming Doorphone Call	Incoming Intercom Call	Simultaneous Calling	Busy
Status of Incoming Call and Calling	Incoming COL Call	Maintained	Suspended (NOTE 2)	Maintained	Maintained	Stopped	Maintained
		Received (NOTE 1)	Received	Received (NOTE 4)	IT	Received	IT
	Hold Recall	Maintained	Maintained	Maintained	Maintained	Stopped	Maintained
		Disabled	Disabled	Recalled (NOTE 3)	Disabled	Recalled	Disabled
	Incoming Doorphone Call	Maintained	Stopped	Maintained	Maintained	Stopped	Maintained
		Door-phone (NOTE 4)	Door-phone (NOTE 3)	Door-phone (NOTE 5)	IT	Door-phone	IT (NOTE 6)
	Incoming Intercom Call	Maintained	Maintained	Maintained	Maintained	Stopped	Maintained
		Disabled (BT)	Disabled	Disabled	Disabled	call	Disabled or IT (NOTE 7)
	Simultaneous Calling	Maintained	Maintained	Maintained	Maintained	Maintained	Maintained
		Disabled	Disabled	Disabled	Disabled	Disabled	Disabled

BT: Busy Tone

IT : Incoming Call During Busy Tone

## ■ QUICK REFERENCE OF THE WORDS IN THIS BOOKLET

**Common Numbers Stored in memory . . .** These numbers are stored in the memory and can be used by any telephone. Telephone numbers of up to 90 stations can be stored.

**Individual Numbers stored in memory . . .** These numbers are stored in the memory and can be used only by the telephone which stored the numbers. Telephone numbers of up to 10 stations can be stored.

**Conference . . .** Simultaneous conversation through three telephones is enabled.

**Emergency Call . . .** Dialing to FIRE, POLICE is done by just pressing one button.

**Flashing Feature . . .** Dialing can be terminated by just pressing Flash Button in stead of hanging up handset. When redialing, there is no need to find a vacant CO line.

**Outward Dialing Restriction . . .** Classified into Class 1 (COL dialing is restricted), Class 2 (Only intra-city dialing is allowed), Class 3 (Only intra-city dialing and specific COL dialing are allowed), and Class 4 (No restriction).

Any of Class 1 through Class 4 can be assigned to each telephone.

**Redialing Feature . . .** When making a call again to the last dialed party, this feature enables the redialing to be done without dialing the telephone number of the party.