36252 OPERATION MANUAL

MAY 28 2000

REV : 0

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FCC INFORMATION

FCC Regulations

This equipment has been tested and complies with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are intended to provide reasonable protection against such 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 an electrical circuit different from that to which the receiver is connected.

. Consult the dealer or an experienced radio/TV technician.

Upon request from your telephone company, you must provide the FCC registration number and the Ringer Equivalence Number (REN) found on the bottom of your 36252.

A FCC compliant telephone cord and modular plug are provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack, which is Part 68 compliant.

Telephone Company Procedures

The goal of the telephone-company is to provide you with the best service it can. In order to do this, it may occasionally have to make changes in its equipment, operations, or procedures. If these changes might affect your service or the operation of your equipment, the telephone-company will give you notice in writing to allow you to make any changes necessary to maintain uninterrupted service. If you have any questions about your telephone line, such as how many pieces of equipment you can connect to it, the telephone company will provide this information upon request.

In certain circumstances, it may be necessary for the telephone company to request information from you about the equipment which you have connected to your telephone line. Upon request of the telephone company, you must provide the FCC registration number and the Ringer Equivalence Number(REN) of the equipment which is connected to your line.
Both of these numbers are listed on the equipment label on the bottom of your 36252.

In most(but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, you should contact your local telephone company.

Note: This equipment is hearing aid-compatible(HAC).

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Type of Service
Your cordless telephone is designed for use on standard device telephone lines. The phone connects to the telephone line with a standard jack called the USOC-RJ11C. Connection to telephone company-provided coin service (central office implemented systems) is prohibited. Connection to party line service is subject to State tariffs.

If Problems Arise
If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network. If the telephone company notes a problem, they may temporarily stop service. When practical, they will notify you before this disconnection. If advance notice is not feasible, you will be notified as soon as possible. When you are notified, you will be given the opportunity to correct the problem and will be informed of your right to file a complaint with the FCC.

In the event repairs are ever needed on your cordless telephone, they should be done by an authorized representative of

For information, contact

Industry Canada(IC)regulations
This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numerique de la classe B respecte toutes les exigences du Reglement sur le material brouilleur du Canada.

Notice: The Canadian Department of Communications label identifies certified equipment. This certification means the equipment meets certain telecommunications network
Protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the customer's satisfaction.

Before installing this equipment users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. Sometimes, the company's inside wiring associated with a single line individual service may be extended with a certified connector assembly (telephone extension cord). The customer should be aware that compliance with
these conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance Facility by the supplier. Any equipment malfunctions or repairs or alterations made by
The user to the equipment may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected. The precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician.

The Load Number assigned to each terminal device denotes the percentage of the total load to be connected a telephone loop, which is used by the device to prevent overloading.
The termination on a loop may consist of any combination of devices subject to the requirement that the total of the load numbers of all the devices does not exceed 100.

SPECIFICATION

. General
Operation mode: FM
MSK 1.7Kbps

Operating frequency
2400.45MHz – 2406.45MHz 40 channels
2472.45MHz – 2478.45MHz 40 channels

. BASE UNIT

NO CONFERENCE FUNCTION

DUAL LINE ANALOG SPEAKER PHONE

Power source :AC 9V 500mA power source

MEMORY DIALING: 20 DIGITS 10 LOCATIONS

REDIALING: 31 DIGITS

. HANDSET

TWO LINE CONFERENCE
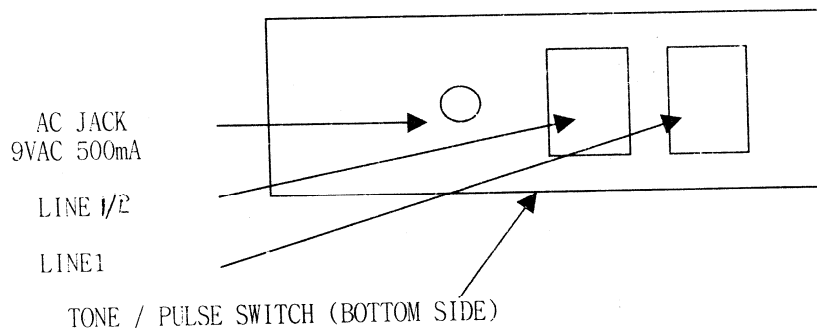
LOW BATTERY BEEP INTERVAL : 1 MIN

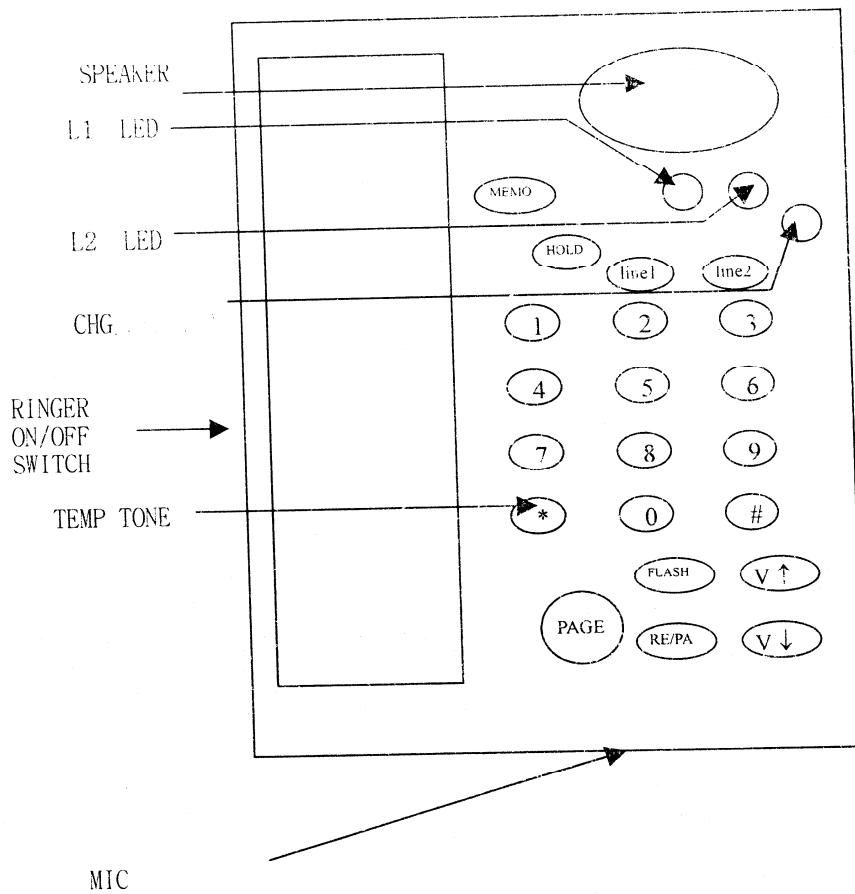Power source: Rechargeable battery 3.6 V 600mAH

MEMORY DIALING: 20 DIGITS 10 LOCATIONS

REDIALING: 31 DIGITS

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LOCATING KEYS, LIGHTS, AND SWITCH

BASE UNIT

SPEAKER

L1 LED

MEMO

L2 LED

HOLD line1 line2

CHG.

RINGER
ON/OFF
SWITCH

TEMP TONE

1	2	3
4	5	6
7	8	9
*	0	#

FLASH V↑

PAGE RE/PA V↓

MIC

AC JACK
9VAC 500mA

LINE 1/2

LINE1

TONE / PULSE SWITCH (BOTTOM SIDE)

THE HANDSET

RECEIVER

RINGER OFF LED

L1 LED
L2/BATT LOW LED

LINE1 KEY
SCAN KEY

LINE2 KEY

CONF

TEMP TONE

FLASH
MEMO
VOL/RINGER OFF
RE/PA /RINGER ON

HOLD
CHARGE CONTACT

HEADSET JACK
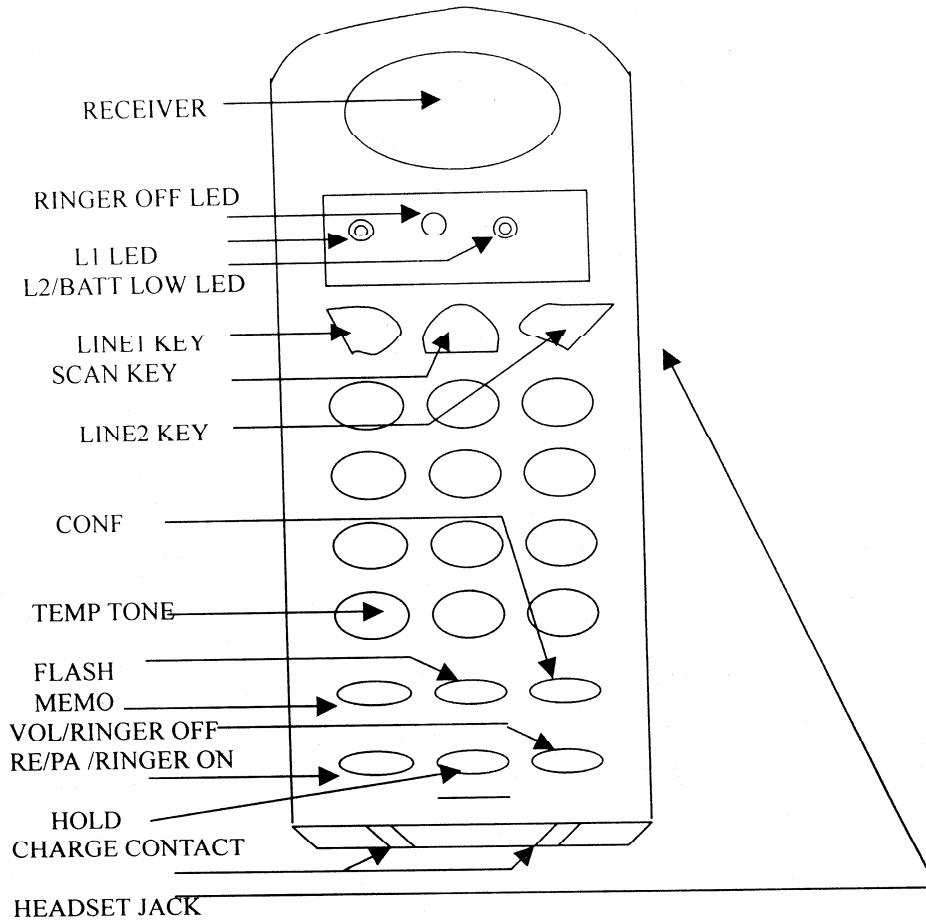
In handset

1. LINE1 key - Turns the LINE1 on or off so you can dial or talk.
2. LINE2 key - Turns the LINE2 on or off so you can dial or talk.

3. RE/PA /RINGER ON key - Redials your last outbound call (up to 31digits) or
   inserts a pause. Or allows you enable the ringing if you press
   and hold about 2 seconds in standby mode.
4. MEMO key - Allow you to store frequently dialed numbers and to dial
   directly from the speed dialing list.
5. FLASH key - Allow you to switch between a call
6. HOLD key - Allows you to hold the line during talking
7. SCAN key - Allow you to change channels for clearer reception.
8. CONF key - Allows you to conference talk
9. VOL/RINGER OFF key - Allows you to adjust the handset volume to low
   or high.(3steps) or allows you disable the ringing if you press and
   hold about 2 seconds in standby mode.
10. TEMP TONE(*) - Used to temporarily change the dialing mode from pulse to tone for
    rotary service.

11. HEADSET Jack - Allows you to add a headset to the handset(not included)
12. L1 LED - indicates line1 status. (* see APPENDIX)
13. L2 LED - indicates line2 status and battery low. (* see APPENDIX)
14. RINGER OFF LED - indicate ringer off mode.

In base unit

1. LINE1 key - Turns the LINE1 on or off so you can dial or speaker phone talk.
2. LINE2 key - Turns the LINE2 on or off so you can dial or speaker phone talk.

3. RE/PA key - Redials your last outbound call (up to 31digits) or inserts a pause.
4. MEMO key - Allow you to store frequently dialed numbers and to dial directly
   from the speed dialing list.
5. FLASH key - Allow you to switch between a call and allow
   to program the branch detection function.
6. HOLD key - Allows you to hold the line during speaker phone talking

7. Vol up(↑) key - Allows you to adjust the volume to higher during conversation.
8. Vol down(↓) key - Allows you to adjust the volume to lower during conversation.
9. TEMP TONE(*) - Used to temporarily change the dialing mode from pulse to tone for rotary
   service.
10. PAGE/TRANSFER Key is homing-system for finding the handset in standby mode.
    Or you can transfer the current call to handset on speaker phone.
11. Ringer on off Switch - Turn the ringer on or off.

12. L1 LED - indicates line1 status. (* see APPENDIX)
13. L2 LED - indicates line2 status. (* see APPENDIX)
14. CHG   - (* see APPENDIX)
15. TONE/PULSE   Switch -select the appropriate dialing service
     TONE for Tone service, or PULSE for Rotary service

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SETTING UP YOUR PHONE

STEP 1. Choose a Central Location for the Base Unit

STEP 2. Plug in line cables (line 1 and line 2).

STEP 3. Plug in the Adapter.

STEP 4. Put the Battery into the Handset

STEP 5. Charge the handset

Before you use the phone for the first time. You need to charge the battery
at least 14 hours.
Place the handset in the base of the phone. The CHG/PRG led light on the base then
Comes on. You need to charge your handset whenever 2 beeps on handset.

USING YOUR HANDSET

You can make calls many different ways with HANDSET.

DIALING

1. Press LINE key (LINE1 or LINE2) on the handset
   Selected LINE indicate led will be light.
   But if the trying line is occupied by base speaker phone, you will hear 3 beeps
   and fail.
2. Use the number pad to dial the phone number.
3. Listen for a connection.
4. Press LINE key to end your call.

ANSWERING ON RING
When any line is ringing, and if the handset is on BASE, just lift the handset.
So you can talk to ringing line.

MEMORY DIALING
1. Press LINE key (LINE1 or LINE2) on the handset
2. Press MEMO
3. Press LOCATION number.(1~ 0)

REDIALING (UP TO 31 DIGITS)

1. Press LINE key (LINE1 or LINE2) on the handset
2. Press RE/PA immediately.

HOLD the line (see APPENDIX)

On using one line, If another line is ringing, you can hold the using line.
And Press calling line button, and then talk.
   Example: LINE1 INUSE --> RINGING on LINE 2 --> Press HOLD (LINE1 HOLD)
            --> Press LINE2 (FOR TALKING to LINE2)
            If finished on LINE2, Press LINE1.
            (LINE2 is disconnected, and you can talk to LINE1)

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CONFERENCE (TALKING TO LINE 1 AND LINE2 WITH HANDSET)

You can make a conference talk through two lines.

Press LINE1 --> DIAL and LINK --> Press HOLD --> Press LINE2
--> DIAL and LINK --> Press HOLD ---> Press CONF

If you want to finish the call, put the handset on the base unit.
Or return to LINE 1(LINE 2) talk mode by pressing LINE1 (LINE2) key, and then
finish the call by pressing LINE1(LINE2) key again. (See APPENDIX)

USING FLASH

To access your custom calling service, like Calling Waiting, while you are
on the phone, press FLASH.

USING PAUSE

If you want to add a 4-second pause, press RE/PA between dials.

FINDING CLEARER RECEPTION

Your system automatically selects 1 of 40 channels at the beginning of the call
for the best reception. If you are experiencing interference, you can either move
closer to the base, or Press SCAN on the handset until you find better reception.

REACHING MAXIMUM RANGE

The handset and base communicate up to a certain maximum range.
The distance can be affected by weather, power lines, or even other cordless
telephone.
The system beeps whenever you are on the phone and the handset moves out of range
from the base. If you do not move back within range in 28 seconds,
you lose your connection.

LINE STATUS CHECK

If another branched telephone is using or base speaker phone is using, the
branched or using LINE LED will be flashed.
(a short time light every 1 second)

MEMORY REGISTRATION

You can store up to 10 speed dial numbers in memory.

1. Press MEMO button in standby mode, then L1 LED is blink 0.3/0.3 second.
2. Press telephone numbers up to 20 digits.
3. Press MEMO button.
4. Press location number button (1 ~ 0)

RINGER ON/OFF

1. Press and hold RE/PA/RINGER ON key about 2 seconds in standby mode.
   Then you can hear short ringing pattern, and both of L1 and L2 led will blink
   fast. In this mode handset will make a bell sound when ring comes in.
   (RINGER OFF LED will turn off)
2. Press and hold VOL/RINGER OFF key about 2 seconds in standby mode.
   Then you can hear a long beep. In this mode handset will not make any sound when
   ring comes in.(RINGER OFF LED will turn on)
3. While the battery is replaced, the ringer is set on mode automatically.

NOTE: Transfer function is not available on handset unit.

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USING YOUR BASE UNIT

You can make calls many different ways with BASE UNIT.

DIALING

1. Press LINE key (**LINE1** or **LINE2**) on the base unit
   Selected LINE indicate led will blink very fast.
   But if the trying line is occupied by handset, you will hear 3 beeps and fail.
2. Use the number pad to dial the phone number.
3. Listen for a connection.
4. Press LINE key to end your call.

MEMORY DIALING
1. Press LINE key (**LINE1** or **LINE2**) on the base unit
2. Press **MEMO**
3. Press LOCATION number. (1~ 0)

REDIALING (UP TO 31 DIGITS)

1. Press LINE key (**LINE1** or **LINE2**) on the base unit
2. Press **RE/PA** immediately.

HOLD the line (see APPENDIX)

On using one line, If another line is ringing, you can hold the using line.
And Press calling line button, and then talk.
   Example) LINE1 INUSE --> RINGING on LINE 2 --> Press **HOLD**(LINE1 HOLD)
            --> Press **LINE2** (FOR SPKEAKER PHONE TALKING to LINE2)
            If finished on LINE2, Press **LINE1**.
            (LINE2 is disconnected, and you can talk to LINE1)

*NOTE
   Conference function is not available on base unit.

USING FLASH
   To access your custom calling service, like Calling Waiting, while you are
   on the phone, press **FLASH**.

USING PAUSE
   If you want to add a 4-second pause, press **RE/PA** between dials.

LINE STATUS CHECK
   If another branched telephone is using , the branched   LINE LED will be flashed.
   :branched phone detected - a short time light every 1 second

MEMORY REGISTRATION
   You can store up to **10 speed dial numbers** in memory.

1. Press **MEMO** button in standby mode, then CHG/PRG LED is blink 0.3/0.3 second.
2. Press telephone numbers up to 20 digits.
3. Press **MEMO** button.
4. Press location number button (1 ~ 0)

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REGISTRATION OF BRANCHED LINE STATUS DETECTION FUNCTION using base unit

You can select the function for line status by using base unit as below.
(* FACTORY DEFAULT IS ALL_ENABLE)
1. The BASE Unit is on standby mode.
2. Press the FLASH button. the CHG/PRG led is blink 0.3/0.3 second.

3. Press 1 button to make the line1 status only enable (line2 is disable).
    Press 2 button to make the line2 status only enable (line1 is disable).
    Press 3 button to make both of the line1 and line2 status enable.
    Press 0 button to make both of the line1 and line2 status disable.
Note: The line status led is operated in max 10 seconds.

CALL TRANSFER FROM BASE TO HANDSET

1. If you are talking on the base unit, you can use **PAGE/TRANSFER** key to transfer the current call to the handset. The using line is hold automatically, and ringing the bell sound on the handset. (You shall set the handset ringer mode to on.)
   But if the handset is on talking mode, the ringing sound will be heard through handset receiver.
2. In case that the base unit use both lines (one line is speaker phone and another line is hold), the speaker phone line will be transfer.

3. In case that both line are all hold mode, the transfer function will not operate.
   In case that a line is hold mode with handset, the transfer function will not operate.
4. In another method, you can use the HOLD key.
   If you want to transfer the talking unit from base unit to handset, or from handset to base unit, press HOLD key of current using unit, and then press the LINE key of the unit that you want to talk.
   For example now you are talking using handset, and you want to transfer to the base unit.
   Then Press HOLD key on handset, and press LINE key on the base unit.
* NOTE – In this case the ring sound is not heard on each unit(base/handy)

DUAL COLOR RINGING SOUND

Both Base unit and handset have 2 color ringing sound. So you can find easily the ringing line.

AUTOMATIC LINE RELEASE ON CHARGING

If you put the handset on the charging cradle during the line operation of the handset (TALK/HOLD), the all the line is released automatically.
But if the line is using by speaker phone, the line is not released.

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APPENDIX: TWO-LINE OPERATION TABLE

1. STATUS CHANGE TABLE DUE TO KEY OPERATION

A. **LINE1 KEY** OPERATION on the handset

L2 Status / L1 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	L1 TALK / L2 ONHOOK	L1 TALK / L2 HOLD	L1 TALK / L2 ONHOOK	L1 TALK / L2 SPEAKER
HOLD	L1 TALK / L2 ONHOOK	**L1 TALK / L2 HOLD**	L1 TALK / L2 ONHOOK	L1 TALK / L2 SPEAKER
TALK (HANDSET)	L1 ONHOOK / L2 ONHOOK	L1 ONHOOK / L2 HOLD	L1 TALK / L2 ONHOOK	L1 ONHOOK / L2 SPEAKER
SPEAKER PHONE (BASE UNIT)	NOT CHANGE	NOT CHANGE	NOT CHANGE	

For example. On condition of line 1 and line 2 is hold mode, if user hit the line1 key, the status of the unit is changed as line1 is talk mode and line2 is hold mode.

B. **LINE2 KEY** OPERATION on the handset

L2 Status / L1 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	L1 ONHOOK / L2 TALK	L1 ONHOOK / L2 TALK	L1 ONHOOK / L2 ONHOOK	NOT CHANGE
HOLD	L1 HOLD / L2 TALK	L1 HOLD / L2 TALK	L1 HOLD / L2 ONHOOK	NOT CHANGE
TALK (HANDSET)	L1 ONHOOK / L2 TALK	L1 ONHOOK / L2 TALK	L1 ONHOOK / L2 TALK	NOT CHANGE
SPEAKER PHONE (BASE UNIT)	L1 SPEAKER / L2 TALK	L1 SPEAKER / L2 TALK	L1 SPEAKER / L2 ONHOOK	

C. **HOLD KEY** OPERATION on the handset

L2 Status / L1 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	NOT CHANGE	L1 ONHOOK / L2 (**NOTE1**)	L1 ONHOOK / L2 HOLD	NOT CHANGE
HOLD	L1 (**NOTE1**) / L2 ONHOOK	NOT CHANGE	L1 HOLD / L2 HOLD	L1 (**NOTE1**) / L2 SPEAKER
TALK (HANDSET)	L1 HOLD / L2 ONHOOK	L1 HOLD / L2 HOLD	L1 HOLD / L2 HOLD	L1 HOLD / L2 SPEAKER
SPEAKER PHONE (BASE UNIT)	NOT CHANGE	L1 SPEAKER / L2 (**NOTE1**)	L1 SPEAKER / L2 HOLD	

NOTE1: If LINE1 hold status was acknowledged by only base, the hold key will not operate. But if Handset knew the hold state, the next status is TALK.

D. **CONF KEY** OPERATION on the handset

L2 Status / L1 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	NOT CHANGE	NOT CHANGE	NOT CHANGE	NOT CHANGE
HOLD	NOT CHANGE	L1 TALK / L2 TALK	L1 TALK / L2 TALK	NOT CHANGE
TALK (HANDSET)	NOT CHANGE	L1 TALK / L2 TALK	NOT CHANGE	NOT CHANGE
SPEAKER PHONE (BASE UNIT)	NOT CHANGE	NOT CHANGE	NOT CHANGE	

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E. LINE1 KEY OPERATION on the BASE UNIT

L1 Status \ L2 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	L1 SPEAKER L2 ONHOOK	L1 SPEAKER L2 HOLD	L1 SPEAKER L2 TALK	L1 SPEAKER L2 ONHOOK
HOLD	L1 SPEAKER L2 ONHOOK	L1 SPEAKER L2 HOLD	L1 SPEAKER L2 TALK	L1 SPEAKER L2 ONHOOK
TALK (HANDSET)	NOT CHANGE	NOT CHANGE	NOT CHANGE	NOT CHANGE
SPEAKER PHONE (BASE UNIT)	L1 ONHOOK L2 ONHOOK	L1 ONHOOK L2 HOLD	L1 ONHOOK L2 TALK	

F. LINE2 KEY OPERATION on the BASE UNIT

L1 Status \ L2 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	L1 ONHOOK L2 SPEAKER	L1 ONHOOK L2 SPEAKER	NOT CHANGE	L1 ONHOOK L2 ONHOOK
HOLD	L1 HOLD L2 SPEAKER	L1 HOLD L2 SPEAKER	NOT CHANGE	L1 HOLD L2 ONHOOK
TALK (HANDSET)	L1 TALK L2 SPEAKER	L1 TALK L2 SPEAKER	NOT CHANGE	L1 TALK L2 ONHOOK
SPEAKER PHONE (BASE UNIT)	L1 ONHOOK L2 SPEAKER	L1 ONHOOK L2 SPEAKER	NOT CHANGE	

G. HOLD KEY OPERATION on BASE UNIT

L1 Status \ L2 Status	ON HOOK (LINE OFF)	HOLD	TALK (HANDSET)	SPEAKER PHONE (BASE UNIT)
ON HOOK (LINE OFF)	NOT CHANGE	L1 ONHOOK L2 SPEAKER	NOT CHANGE	L1 ONHOOK L2 HOLD
HOLD	L1 SPEAKER L2 ONHOOK	NOT CHANGE	L1 SPEAKER L2 TALK	L1 HOLD L2 HOLD
TALK (HANDSET)	NOT CHANGE	L1 TALK L2 SPEAKER	NOT CHANGE	L1 TALK L2 HOLD
SPEAKER PHONE (BASE UNIT)	L1 HOLD L2 ONHOOK	L1 HOLD L2 HOLD	L1 HOLD L2 TALK	

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2. LED OPERATION

(unit sec)

	L1 led (handset)	L2 led (handset)	L1 led (base)	L2 led (base)
Ring on line1	0.3/0.3 blink		0.15/0.15 blink	
Ring on line2		0.3/0.3		0.15/0.15
Line1 TALK MODE	On		ON	
Line2 TALK MODE		ON		ON
Line1 hold (note4)	0.6/0.6		0.6/0.6	
Line2 hold (note4)		0.6/0.6		0.6/0.6
Conference	On	ON	ON	ON
Paging	0.3/0.3		0.3/0.3	
Memory registration	0.3/0.3		CHG/PRG LED 0.3/0.3 BLINK	
Line1 speaker phone	0.1 on every 1sec note3		0.075/0.075	
Line2 speaker phone		0.1 on every 1sec note3		0.075/0.075
Battery low		Blink every 3sec		
Line1 is occupied by other Branched phone	0.1 on every 1sec (note2) note3		0.1 on every 1sec (note2)	
Line2 is occupied by other Branched phone		0.1 on every 1sec (note2) note3		0.1 on every 1sec (note2)

note2 : This function will operate when the branched detect function is enable.

note3 : During the conversation using handset, the branched line status/speaker phone status is not operated on handset.

(Reason: During the conversation, The handset does not have the data tx/rx from base, because the data communication will occur noise.)

note4: WARNING TONE DURING LINE HOLDING

If a line or 2 line is base unit hold mode (but if handset indicates the hold status or if the other line is speaker phone mode, this function is not operate.), the 36252 base unit will output warning tone (2 long beep) every 36 seconds, and will release the line automatically with 3 long beep after 6 minutes .

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