Document Release Cover Sheet

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Distribution list:

☐	Elect. (TAD)	☐	Marketing
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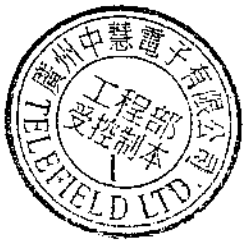

OPERATION MANUAL

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CP8331

IMPORTANT SAFETY INSTRUCTIONS

BEFORE USING YOUR TELEPHONE EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK AND INJURY TO PERSONS, INCLUDING THE FOLLOWING:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall telephone jack and power outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water: for example, near a bathtub, wash bowl, kitchen sink, laundry tub, swimming pool, or in a wet basement.
5. Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage.
6. Slots or openings in the cabinet and the back and bottom are provided for ventilation, to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, or other similar surface. This product should never be placed near or over a radiator or heat register.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not place this product where the cord will be damaged by persons stepping on it.
9. Do not overload wall outlets and extension cords, as this can result in fire or electric shock.
10. Never push objects of any kind into this product through cabinet slots, as they may touch dangerous voltage points or short out parts. This could result in fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock, do not disassemble this product. Instead, when service or repair work is required, take it to a qualified service technician. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power supply cord or plug is damaged or frayed.
    b. If liquid has been spilled into the product.
    c. If the product has been exposed to rain or water.
    d. If the product does not operate normally and proper operating instructions have been followed, adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
    e. If the product has been dropped or the cabinet has been damaged.
    f. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

CP8331

Safety Instructions for Batteries

Handset Battery Pack

CAUTION:

Use only a Southwestern Bell Freedom Phone® approved battery pack in the handset of your CP8331 Cordless Telephone. To reduce the risk of fire or injury, always do the following when replacing, discarding or charging batteries. When handling the batteries, be careful not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conducting material may overheat and cause burns.

CONTAINS NICKEL CADMIUM BATTERY. MUST BE RECYCLED OR DISPOSED OF PROPERLY. DO NOT DISPOSE OF IN MUNICIPAL WASTE.

a. Use only the following type and size batteries in the cordless phone:
Self-contained 3-cell Nickel-Cadmium rechargeable battery supply,
GP30 AAK 3BMX 300mAHr 3.6V
GPI International Ltd.

b. Do not dispose of the battery pack in a fire. The cell may explode. Check with local codes for possible special disposal instructions.

c. Do not attempt to open or mutilate the battery pack. The chemicals are dangerous and may cause damage to the eyes or skin, and may be toxic if swallowed.

d. Follow the charge instructions outlined in this manual. (See page 13)

The RBRC™ Seal on the nickel-cadmium (Ni-Cd) battery indicates that Southwestern Bell Freedom Phone® Retail Sales is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service within the United States. The RBRC™ program provides a convenient alternative to placing spent nickel-cadmium batteries into the trash or municipal waste stream, which is illegal in some areas.

Southwestern Bell Freedom Phone® Retail Sales' payments to RBRC™ makes it easy for you to drop off the spent battery (or battery pack) at local retailers of replacement nickel-cadmium batteries. You may also contact your local recycling center for information on where to return the spent battery (or call the toll-free RBRC™ information line at 1-800-8BATTERY). Our involvement in this program is part of our commitment in protecting the environment and conserving natural resources.

RBRC™ is a trademark of the Rechargeable Battery Recycling Corporation.

Save These Instructions

CP8331

CAUTION:

To Reduce the Risk of Fire or Injury to Persons, Read and Follow These Instructions.

1. Use only the following type and size batteries in the cordless phone:

Self-contained 3-cell Nickel-Cadmium rechargeable battery supply.

GP30 AAK 3BMX 300mAHr

GPI International Ltd.

2. Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions.

3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.

4. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

6. Do not mix old and new batteries in this product (applies to products employing more than one user replaceable second battery).

7. Do not mix batteries of different sizes or from different manufacturers in this product (applies to products employing more than one user replaceable secondary battery).

8. Do not attempt to recharge the battery(ies) provided with or identified for use with this product. The batteries may leak corrosive electrolyte or explode.

9. Do not attempt to rejuvenate the battery(ies) provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to the eyes or skin.

10. When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging, and that may result in leakage or explosions. (Applies to product employing more than one separately replaceable primary battery).

11. Remove the batteries from this product if the product will not be used for a long period of time (several months or more) since during this time the battery could leak in the product.

12. Discard "dead" batteries as soon as possible since "dead" batteries are more likely to leak in a product.

13. Do not store this product, or the batteries provided with or identified for use with this product, in high temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be protected from condensation during storage and defrosting. Batteries should be stabilized at room temperature prior to use after could storage.

CP8331

FCC Wants You To Know

This equipment complies with Part 68 of the FCC rules. On the bottom of the base of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment.
You must, upon request, provide this information to your telephone company.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). 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 to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service. If you experience trouble with this telephone equipment, disconnect from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

This equipment is hearing aid compatible.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio TV technician for help.

Sheilded cables must be used with this unit to ensure compliance with the Class B FCC limits.

MAIN FEATURES

CORDLESS PHONE FEATURE :

1. 43 / 49 MHz 25 channels auto scanning operation
2. 25 channel (clear channel) selection
3. 65536 Random combinations of security code
4. Last number redial (32 digits max.)
5. Power saving in standby mode. (handset)
6. Paging
7. Temporary touch tone (pulse to tone dialing)
8. Hold
9. Tone / Pulse dialing mode selection switch in base unit
10. Ringer ON /OFF switch in base unit
11. Mixed mode dialing (auto insert of 4 sec. pause when mode change from Pulse to Tone)
12. 12 indirect memories store in handset (16-digits / phone no. max.)
13. Flash key for call waiting and call transfer (Flash time is 300ms.)
14. Pause key (pause time is 4 seconds)
15. Low battery warning tone
16. Out of range warning tone in handset
17. Auto Standby feature
18. Auto Answer connection

Note:

- Auto Standby: Hang up by simply returning the handset to the base.
- Auto Answer: Answer a call by simply picking up the handset from the base without pressing any keys. The TALK key will be disabled for 4 seconds to avoid accidental hang up. This feature is activated by ringing and disabled 10 seconds after the ring.

CALLER ID FEATURES :

1. DTMF caller ID
2. 64 records
3. 3-line display
4. Back-lit LCD (on handset)
5. Total call counter
6. Repeat call indication (LCD icon)
7. Portuguese operation prompt
8. Scroll review of CID records
9. Selective-erase / Erase-all function
10. Real time clock (date & time)
11. LCD contrast control (software control, 8 level)
12. Call back (CID dial back)
13. Battery low indication ('Battery Low' text display on the 3rd line)

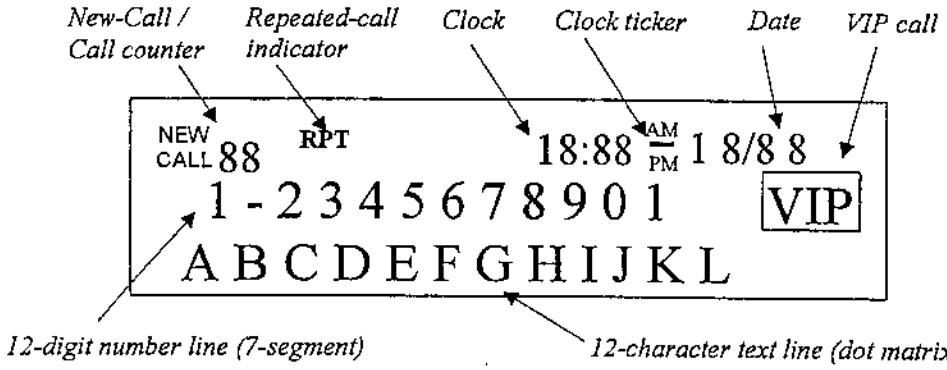
CORDLESS HANDSET AND CALLER ID KEYBOARD :

1. TALK
2. FLASH / ◁
3. MEMORY
4. REDIAL / PAUSE
5. DIGIT 0 ~9, *, #
6. CHANNEL / ERASE
7. HOLD / ▷

HANDSET SWITCH :

1. Volume HI / LOW
2. Ringer ON/ OFF

DISPLAY :



Display	Descriptions	Remarks
12-character text line	For display system prompts (CID and phone), call timer.	Dot-matrix (5 x 5)
12-digit number line	1, Display caller's number (CID), or 2, Display dialed digits (phone).	7-segment
New-call/Call counter	Shows the amount of calls / new calls in Standby mode Example: to show # of old calls: CALL 18 to show # of new calls: NEW CALL 9 NEW-CALL blinks in Standby mode to indicate the presence of new call(s).	CID only
Repeated-call icon	Lights on to indicate that the displayed call arrived more than once.	CID only
Clock	1, Shows the real time clock (AM/PM format), or, 2, the time stamp of a CID record.	
Clock ticker	Blinks when real time clock is being displayed. (Frequency: 1sec. On / 1 sec. off)	
Date	1, Shows the date (month/date format), or, 2, the date stamp of a CID record.	

CHANNEL FREQUENCIES

Transmission frequencies in MHz		
Channel	**Base**	**Handset**
1	43.720	48.760
2	43.740	48.840
3	43.820	48.860
4	43.840	48.920
5	43.920	49.020
6	43.960	49.080
7	44.120	49.100
8	44.160	49.160
9	44.180	49.200
10	44.200	49.240
11	44.320	49.280
12	44.360	49.360
13	44.400	49.400
14	44.460	49.460
15	44.480	49.500
16	46.610	49.670
17	46.630	49.845
18	46.670	49.860
19	46.710	49.770
20	46.730	49.875
21	46.770	49.830
22	46.830	49.890
23	46.870	49.930
24	46.930	49.990
25	46.970	49.970

CORDLESS PHONE OPERATION

Power Up

Handset

After power up, the handset receiver part will stay at a random channel and wait for the signal with the same ID code for 60 ms.

The handset will enter Halt mode for 1.2sec to save power consumption and then wake up at last channel for 60ms. to detect the code from the base unit.

After power up, the handset should be placed on the cradle of the base unit for setting a new security code for communication

Base

The base receiver part will continuously search for a channel with a signal containing the same ID code

The scanning sequence is starts from CH1 onwards and follows the sequence in the frequency table.

Digital Security Code

The security code is composed of 16 bits data, so it can generate 65536 combinations.

The security code will be generated randomly by timer counter contents inside the MCU in base unit.

Each time when the handset place on the cradle of the base unit, the base unit will generate and transmit a new security code to the handset unit through the RF Link.(The both units will use the 8th channel for the security code transfer operation).

The completion of a successful security code transfer operation will be indicated by a flash of the in use LED on the base unit and a beep sound generated by handset.

If the Transfer operation cannot be successful, user has to try again.

Answer A Call

When a call comes, the buzzer in the handset rings if Ringer switch is on, IN USE LED on the base is off.

The IN USE LED on base unit will be off as long as the ringing signal is present, regardless of whether ringer switch is set to on or not.

The base unit will detect and transfer the ringing signal to the handset unit as long as the ringing signal is present.

Handset ringer buzzer responds :

BASE RINGER SWITCH	HANDSET BUZZER
On	ringer on
Off	ringer off

To answer a call :

- If the handset on the cradle while ring, simply pick up the handset unit from the cradle of the base to talk. The TALK key will be disabled for 4 seconds.

- When the handset is away from the base unit, press the TALK key on the handset unit.

The handset will transmit the "talk on" command to base unit to establish the RF connection. The In Use LED on base will turn on after connection is successful. And 'TALK' will be shown on LCD display.

If the communication link cannot establish within 6.5 sec, three error beeps will be heard from the handset to indicate this communication is failed and the In Use LED keeps OFF.

Make A Call

To make an outgoing call, the handset must be picked up from the cradle of the base unit.

Each new call must begin by pressing the TALK key in the handset. The handset begins scanning for a clear channel for communication. If it is successful, 'TALK' will be shown on LCD display.

The handset will transmit the "talk on" command to the base unit to establish the RF communication. The In Use LED on base turns on after connection is successful.

If the communication Link cannot establish with 6.5 sec, three error beeps will be heard from the handset to indicate the communication is failed and the In Use LED keeps OFF.

See **TELEPHONE OPERATION** below for operation of dialing.

Terminate A Call

To terminate a call, either press the TALK key or place the handset on the cradle of the base unit.

Press the TALK key, a beep indicates the call is terminated successfully.

By placing the handset on the cradle, call is terminated and 'Security code set up' procedure will be performed.

An error beep will be generated if it can not receive 'talk off ACK' from the base unit. In this case, put the handset back to the base cradle to make sure base unit is going ON HOOK.

Channel Selection

Pick up the handset and press the TALK key during Standby mode to establish RF communication.

Press CHANNEL key to start a channel scanning process to select a clear channel for communication.

The total channel scanning process will not exceed 6.5 sec. If the scanning is unsuccessful, both units will use the last channel for communication. In this case, error beep will be generated in handset.

Dial Key (0 ~ 9, *, #)

Pick up the handset and press TALK key during standby mode to establish RF communication.

Press the dial key once and the digit will be dialed out (DTMF) to line for the minimum of 100msec. Dialed digits will be shown on LCD.

In pulse dialing mode, press '*' to switch to tone dialing, a 4 seconds pause will be inserted.

See **TELEPHONE OPERATION** below for detail.

Last Number Redial

Pick up the handset and press the TALK key during standby mode to establish RF communication.

Press REDIAL key after making the line to redial the last number digit store in redial memory (up to 32 digits). Digits being dialed will be shown on the LCD.

When the Last Number redial memory is full, redial function will become not available. An error beep will sound.

See **TELEPHONE OPERATION** below for detail.

Memory Dialing

Pick up the handset and press the TALK key during Standby mode to establish RF communication.

There are 12 indirect memories in which each can store up to 16 digits for memory dialing. See **TELEPHONE OPERATION** below for the operation.

Memory Store

The 12 memories are located in the handset.

Press MEMORY key once in Standby mode, the handset beeps once to signal entering the Memory Store mode successfully.

Press dial keys to store the number to be dialed out. The quantity of digits that can be stored in memory location is up to 16 digits. Unit will give error beeps for digits pressed beyond the 16th.

After the dial number is stored, press MEMORY key once more (unit beeps once) and enter the location number. The memory location can be selected by pressing the digits 0~9, * or # from the keypad. A long beep will be heard to indicate the memory-stored sequence had been completed. "MEM_ STORED" will be shown on the LCD.

For each key pressed during memory store operation, there will be a 20 sec time out for the memory storing sequence, if no key is entered within this period, then the operation is terminated, three error beeps will be heard through the buzzer of the handset unit.

The memory storing sequence can be terminated in the following ways:

- Store operation had been completed.
- Press TALK key on the handset.
- Place the handset on the cradle of the base unit.
- Press MEMORY key once more

See **TELEPHONE OPERATION** below for the operation details.

Line Flash

When the handset is talk ON, press FLASH key once will break the telephone line for 300msec. during dialing. See **TELEPHONE OPERATION** below for the operation details.

Hold (line on hold operation)

When the handset is talk ON, press the HOLD key in the handset can put the line on hold. (The ear-piece and the Mic. in handset are muted.). The LCD displays 'HOLD'.

To release hold mode, press the TALK key on handset.

Out of Range

If base cannot detect handset's RF signal, the base unit will generate intermittent "beep" warning tone through the RF communication to handset's ear piece at a 2 sec interval with 0.5 sec. ON. The warning signal will last for 16 seconds.

If RF channel can't be established when user presses TALK key, the out-of-range error beeps sound.

Paging

Press the PAGE button of the base unit. The base will transmit a "page" command to the handset unit to establish RF communication for paging procedure.

After the handset unit receives the "page" command, it will beep up to 60 seconds.

Press TALK key on handset to stop paging (handset finder function complete).

Battery/Voltage Low

Battery level is detected every second except in Charge mode. i.e. the handset is placed on the cradle of the base unit.

If battery low condition is detected (3.3V), the handset will enter Battery Low mode. The buzzer will beep for 7 sec interval i.e. 400msec ON, 6.6sec OFF (tone frequency is 1 kHz). The handset will change to HALT mode if 3.0V is detected. In 'Halt' condition, all handset function is prohibited.

"BATTERY LOW" will be showed on LCD line 3.

If battery good condition is restored, the handset will return normal mode again.

CALLER ID OPERATION

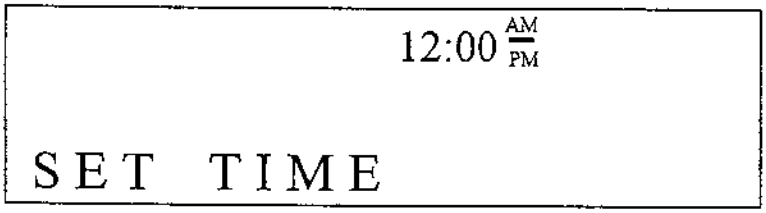
Note: Following display illustrations in the document is in English. However, the actual appearances of the screens will vary according to the language translation form.

Setting System Date

After power up of handset, the unit enters Setup mode. Date is the first parameter to be set.

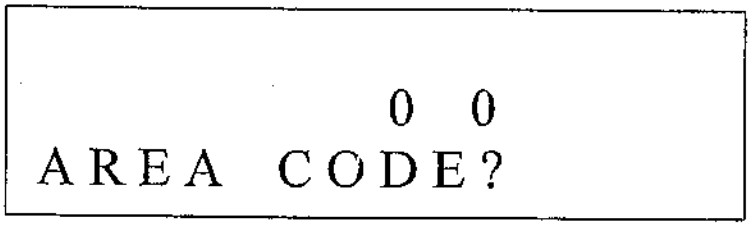
Procedures for date setting begins with the month digit blinking at a rate of 0.5 sec on, 0.5 sec off. Press the ◁ and ▷ keys to adjust the value; press the ERASE key to confirm the value of a position. When all the date digits have been set, a confirmation beep will be heard.

Setting System Time



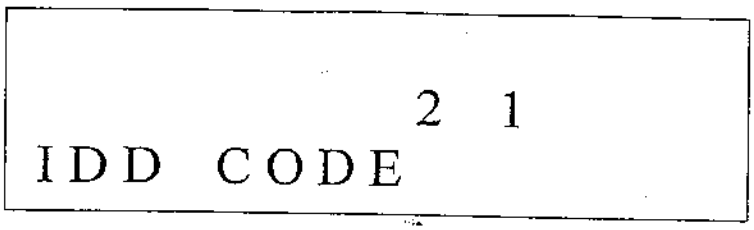
Similar with setting date, Press the ◁ and ▷ keys to adjust the value; press the ERASE key to confirm the value of a position. When all the date digits have been set, a confirmation beep will be heard.

Setting Local Area Code



Procedures for area code setting begins with the leftmost digit blinking at a rate of 0.5 sec on, 0.5 sec off. Press the ◁ and ▷ keys to adjust the value; press the ERASE key to confirm the value of a position. When all the date digits have been set, a confirmation beep will be heard.

Setting IDD Company Code



When setting IDD company code, press ◁ or ▷ keys the usual numbers used in Brazil – "21", "14", "31" and "15" will be showed first for user to select, and at last "- -" for used defined code entrance.

Then press ◁ or ▷ keys to set digits and press ERASE key to confirm the setting.

Setting Display Contrast

Use ◁ and ▷ keys to set to the desired contrast and then press ERASE to confirm. If the ERASE key is not pressed within 20 sec, the original contrast restored.

After setting contrast, the unit enters Standby mode.

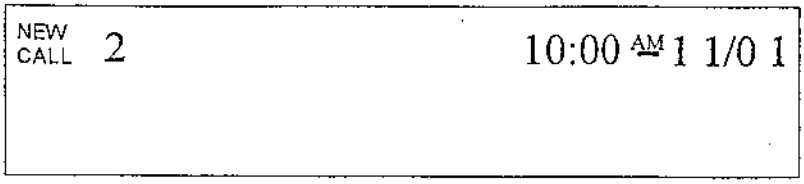
Note:

- The user can re-enter Setup mode by pressing and holding REDIAL and ERASE keys in Standby mode for 2 seconds. Setup mode begins with date setting. The present CID information will not be affected.

- The user can also set contrast only. Pressing and holding ◁ and ▷ keys in Standby mode for 2 seconds will enter contrast setting independently.

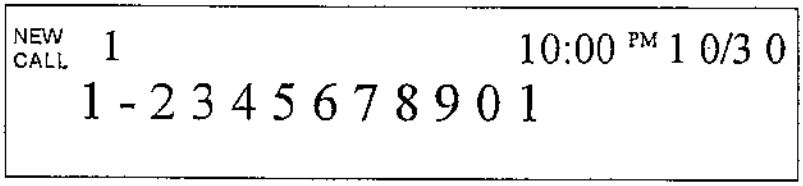
Standby Mode

A typical screen of Standby mode:



Receiving Calls

When Caller ID is activated, the telephone company sends the caller's telephone number before the first ring. The unit receives and displays this information for each call. While the back light turns on for 20 seconds.



When a call is received, the call information is displayed. If ◁ or ▷ keys are not pressed for 20 seconds, the display will return Standby mode and shows "NEW CALL XX" where XX is the number of unread calls.

NOTE:

- CID data format:
  AXYYZZZZZZZZC

  Where
  - A: start code, not to be displayed
  - X: one digit, category "1~8"
  - Y: two digits, national area code (may not present)
  - Z: 7~8 digit, call number
  - C: ending code, not to be displayed

- CID display format:
  X - YYZZZZZZZZ

If the received call is a VIP call, a beep will be heard and 4 beeps follow every ring to alert this is a VIP call.

Note:

- If there are already 64 calls stored when a new call arrives, the first non-VIP call will be erased to make room for the new one.

- In case all the 64 CID messages are VIPs when a new call arrives, then the first VIP call should be erased.

Reviewing Calls

The unit can store up to 64 calls. When reviewing calls, the back-light will turn on. If there is no key action for a period of 20 seconds, unit reverts to Standby mode, the back-light turns off.

For example, there are 15 records of which 12 are new.

1. In standby mode, "NEW CALL" icon is displayed, pressing ◁ or ▷ keys, the LCD displays the last new call information.

2. Repeatedly press ◁ or ▷ to review all new call information in the order of receiving until the LCD displays "END OF NEW CALL" .

3. If all new calls are not reviewed over, after 20 seconds the Time of Day will be displayed and the new call counter will show the total number of new calls including those just reviewed.

4. If you review the oldest new call (NEW CALL 1) and pause 20 seconds, the Time/Date screen and total calls counter (CALL XX) will be displayed.

5. If the received call information is same as any of the existing new calls, the unit displays "REPEAT" icon to indicate REPEAT CALL. The most recently arrived CID will be saved attached with a new date / time stamp. When it is being reviewed, the "REPEAT' icon shows up and previously arrived record will be deleted.

   If only old calls are stored in memory.

1. In standby mode, while "NEW CALL" icon is not displayed, press ◁ or ▷ keys to review all calls. The display shows the newest call (if browsing started by ▷ key) or the oldest call (if browsing started by the ▷ key). If there is no calls, the display shows "-NO CALLS-"

2. Repeatedly press ◁ or ▷ keys to review all old call information from the oldest to the newest

(◁ key), or from the newest to oldest (◁ key).

3. When finish reviewing all calls, the "-END-" is displayed.

4. In review mode if SCROLL key is not pressed within 20 seconds, it will go to Standby mode.

5. "REPEAT" icon is never shown when reviewing "old" records.

Erasing Individual Call Information

The displayed call information can be erased from the memory.

1. Press ◁ or ▷ keys until the call record to be erased is displayed.

2. Press the ERASE, the LCD displays "ERASE"" on the bottom line.

3. Press ERASE key again to confirm deletion. If the time between the first "ERASE" pressed and the second "ERASE" pressed is more than 20 seconds, the erase function is aborted.

4. If the erased message is the latest call on the new call list, display shows the next latest new call. If the erased message is the oldest new call on the new call list, it returns Standby mode after the new message is erased.

5. If the erased message is the first call, display shows "-- END --". If the erased message is the latest call, display shows the next latest call.

6. After pressing first ERASE, press ◁ or ▷ keys or REDIAL key will cancel the erase operation and continue Review Call mode.

7. If only one call in the call list and it is erased, the display will show "-NO CALLS-" . The "CALL XX" will not be displayed.

8. If selected call is a VIP call, ERASE key is not functional.

Erasing All Call Information

1. If all of new call have been reviewed, the all call records can be erased at once. If there are any new calls in call list, "Erase All" will not work.

2. With the Time of Day screen displayed, and "-END-" or "END OF NEW CALL" displayed, press and hold ERASE for 2 seconds. Then the LCD displays "ERASE ALL"".

3. Press ERASE key again to confirm deletion. After a beep, the LCD displays "-NO CALLS-".

4. After displaying "-NO CALLS-" for 5 seconds, the Time of Day screen will be displayed.

5. After pressing first ERASE, press ◁ or ▷ keys or REDIAL key will cancel the erase operation.

6. VIP calls will not be erased by the erase all function. e.g. there are 2 VIP calls in memory, the display will show "CALLS 2" after all other calls have been erased. To erase VIP call the VIP mark has to be turn off first (see below paragraph "VIP Calls").

VIP Calls

The unit allows user to create VIP call records. When a VIP call is received, the device will alert user of the special call.

To create a VIP call:

1. Press ◁ or ▷ keys until the call record to be marked is displayed.

2. Press and hold REDIAL key for 2 seconds until a beep is heard and VIP icon is displayed.

3. In on-hook mode, when an incoming call matches a VIP call, 4 beeps will be heard each time the phone rings to alert you this is a VIP call. The VIP will display and the VIP icon of the last VIP call will disappear.

To remove a VIP call:

1. Press ◁ or ▷ keys to display the call you have marked VIP.

2. Press and hold REDIAL for 2 seconds until a beep is heard. Then the VIP icon will turn off.

3. Then this call without VIP mark can be erased as a normal call.

TELEPHONE OPERATION

To enter TALK-ON mode, pick up handset and press TALK key during TALK-OFF.

Dialing / Chain dialing

In TALK-ON mode, dialing can be made by either one or a combination of the following:

- Last number redial,
- CID redial,
- digits 0 _ 9, *, #, PAUSE,
- Indirect memories MEM0, MEM1, ... MEM9, MEM* and MEM# (total 12).

Note however, that when chain dialing is to be performed, Last number redial or CID redial must be the first dialing activity after the unit goes into TALK-ON or after a flash. In case other dialing activities (such as digits or memory dialing) have been made, the two redial functions become disabled.

Dialing Digits

Digits which can be dialed out are : 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, *, #, PAUSE.

- '#' will be displayed as '$_{\square}$',
- '*' will be displayed as '$_{\square}$',
- PAUSE will be displayed as 'P', when PAUSE is encountered during dialing, a pause of 4 seconds will be generated.

The above 13 digits can be stored in memories and redial storage as well (see MEMORY STORE).

'*' key is treated as a 'PULSE → TONE' signal if the device is currently dialing in pulse mode, subsequent digits will be dialed as DTMF, overriding the T/P switch position. After switching from pulse → tone mode, a pause of 4 seconds will be automatically inserted.

In DTMF mode, '*' generates a DTMF signal.

Last Number Redial

1. Press the REDIAL key to redial the last number. The last dialed number must not exceed 32 digits else redial will be prohibited. In such case, pressing REDIAL key will not dial any digits out, the display remains unchanged and an error beep sounds.

2. When digits in the redial storage are being dialed out, memory dialing and digit (0_9, *, #, PAUSE) dialing can be concatenated to the sequence. The display always shows the last entered digits.

Note:

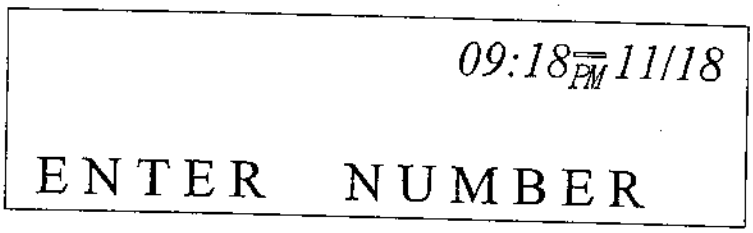
- Right before the 1st digit is to be dialed out, the T/P switch position (on base station) will be scanned once to confirm the mode of dialing. If pulse dialing is selected, all queued digits

will be dialed as pulses until '*' is encountered, which switches the dialing mode from pulse to tone mode. The process is however, not reversible, i.e. it is not possible to switch tone mode back to pulse mode within the same make-line session. Every time flash is dialed, or after handset is replaced and then picked up again, the dialing mode will be refreshed.

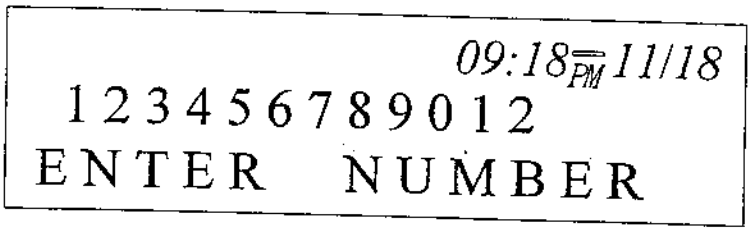
- A pause of 4 seconds will be automatically inserted after '*' which switches dialing mode from pulse to tone.

Indirect Memory Store (MEM0, MEM 1, ... MEM9, MEM* and MEM#)

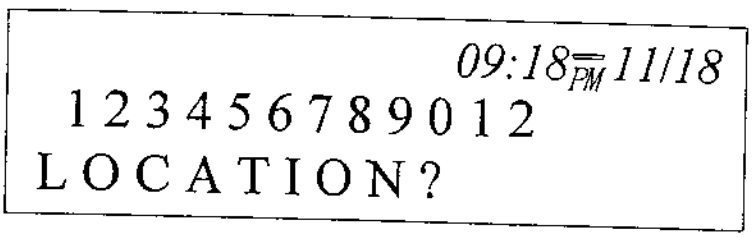
1. Enter Memory Store mode by pressing 'MEMORY' key in TALK-OFF mode. After the store process, the display should be able to return to the last screen before the store process began.
2. Enter STORE mode by pressing the MEMORY key once.
3. Setting an indirect memory (Press MEMORY key):



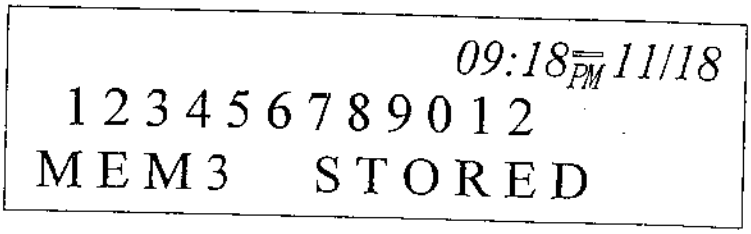
Enter the number :



Press MEMORY key again:



Press '3' :



'123456789012' will be stored to MEM3. The above screen will freeze for 2 seconds before being cleared. Then the original screen before entering Store mode should be resumed after the 2 seconds.

Indirect Memory Dial

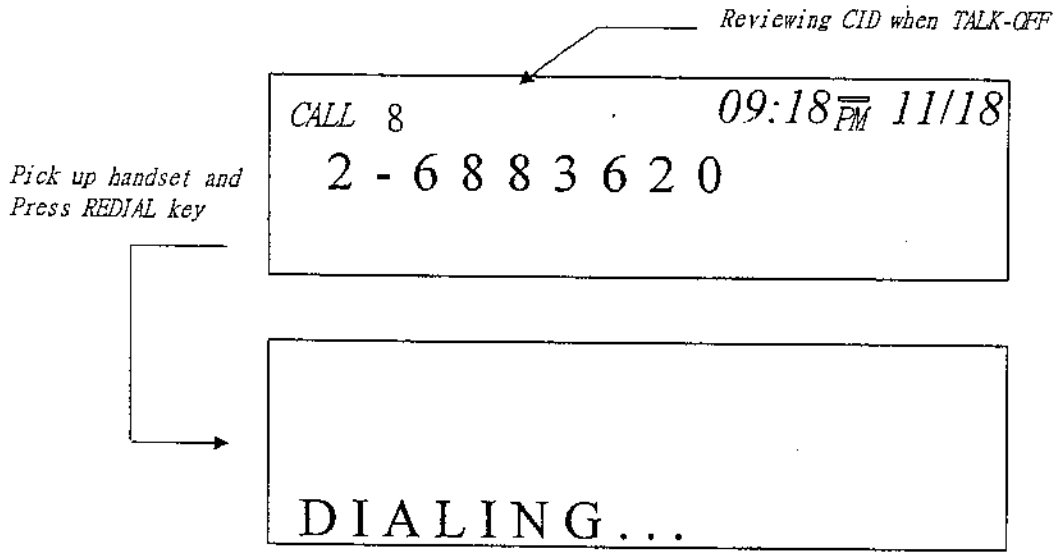
Retrieval of an indirect memory is a two-strike process:

Press MEMORY key, then the desired memory location (0 ~ 9, * or #). The number stored in corresponding memory location will be concatenated to the existing dial sequence. Digits being dialed will be shown on LCD.

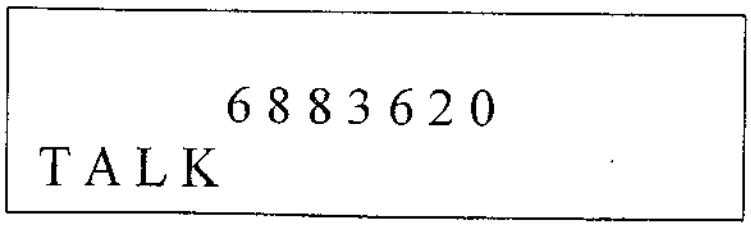
CID Redial

CID redial can be triggered after the unit goes into TALK-ON. The redial sequence is as follows:

1. Press ◁ or ▷ keys until the call record to be dialed is displayed.
2. Pick up handset and press REDIAL key.



The unit will enter TALK-ON mode automatically (after picking a suitable communication channel between handset and base station). After line seize, the number will be dialed out after a 2-second delay. Dialed digits shift to the display from right to left-hand side.



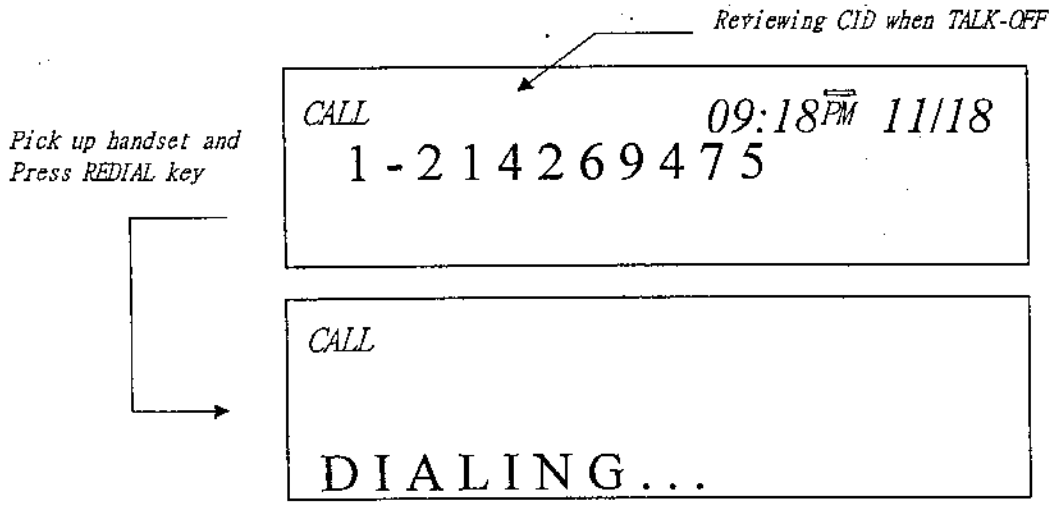
Note:

- Before redial, the software checks the length of telephone number. If it is equal to or less than 8 digits (excluding the 1st category digit), it is a local number. Just dial out the number (ZZZZZZZZ). An example is shown as above.

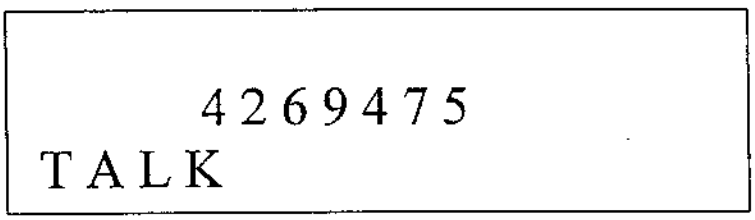
- If it is more than 8 digits, compare the 2nd and 3rd digits (YY) with area code preset by user. If the numbers match, it is a local number. Just omit the area code and dial out the local numbers (ZZZZZZZZ). See the following example 1.

- If area code is different, it is a long distance call. The dialing should be: dial a "0", then omit the 1st category digit, dial out the pre-set IDD company code, dial out area code, finally the telephone number (0CCYYZZZZZZZZ). The CC is company code. See the example 2.

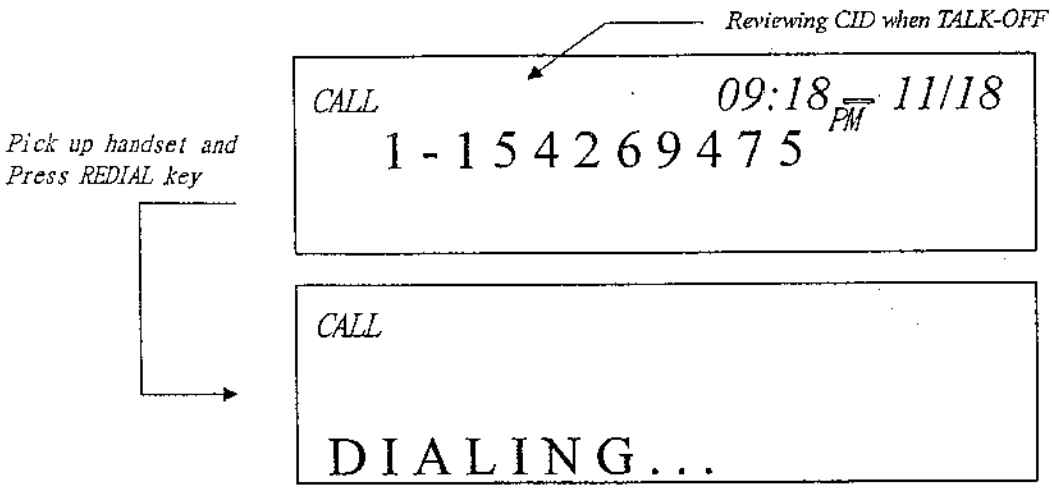
Example 1: To dial out a number longer than 8 digits with preset area code ("21").



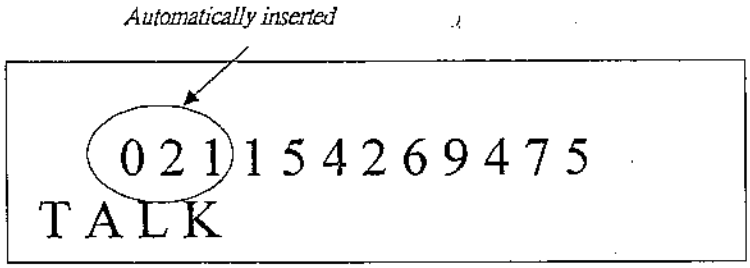
When doing re-dial, only the phone numbers "4269475" get dialed out:



Example 2: To dial out a number longer than 8 digits with a foreign area code ("15").



When doing redial, a digit "0" and the preset company code "21" are insert before the area code "15" and phone number "4269475":



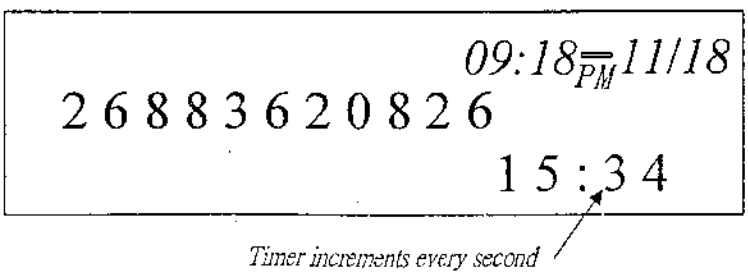
Line Flash

Press the 'FLASH' key in OFF-HOOK mode will force the line to break for 300ms. The flash function has the following effects to the device status:

- Last number redial becomes enabled again,
- The 2nd and 3rd line on the display will be cleared,
- The call timer, if already activated, restarts from 00:00 after 10 seconds of inactivity.

Call timer

1. The call timer comes up automatically at the 10th second after line seized and shows on the 3rd line of the display. If dialing activities are performed after the unit goes off-hook, the 10 seconds of interval defers to the end of the dial sequence. (i.e. the call timer appears on the 10th second after the last digit in the queue has been dialed out.)



The call timer counts up to 99 minutes and 59 seconds. After that, the timer restarts from 00:00.

2. Once the call timer has started counting, it does not stop until the unit returns to TALK-OFF mode or 'FLASH' is executed.

3. When handset goes back to TALK-OFF, the call timer should remain on the display (although stopped) for 5 seconds.

4. The appearance of the call timer should conform to the following format:

Interval	Display outlook	Remark
00:00 → 00:59	00:00 → 00:59	
01:00 → 09:59	1:00 → 9:59	leading zeros removed
10:00 → 99:59	10:00 → 99:59	

Appendix

TRANSLATION TABLE

	Meaning	*ENGLISH*	*PORTUGUESE*
1.	End	-- END --	FIM
2.	End of new call	END NEW CALL	FIM DA LISTA
3.	Erase?	ERASE ?	APAGAR
4.	Erase all ?	ERASE ALL ?	APAGAR TUDO
5.	Error	-- ERROR --	SEM IDENTIF
6.	No Calls	-NO CALLS-	SEM CHAMADAS
7.	Dialing	DIALING ...	DISCANDO
8.	Pick Up Phone	PICK UP	TIRE O FONE
9.	Set language	SET LANGUAGE	IDIOMA
10.	Set Area Code	AREA CODE ?	COD DE AREA?
11.	Contrast	CONTRAST ▲ ▼	CONTRASTE ▲ ▼
12.	Battery Low	BATTERY LOW	BAT FRACA
13.	Enter Number	ENTER NUMBER	ENTRE NUMERO
14.	Enter Location	LOCATION ?	POSICAO ?
15.	Memory	MEMORY	MEMORIA
16.	Store	STORE	GRAVAR
17.	Memory 3 (*) Stored	MEM3 STORED	MEM 3 GRAVAR
18.	Line Hold	HOLD	RETER
19.	Talk	TALK	EM USO
20.	Set Date	SET DATE	AJUSTE DATA
21.	Set Clock	SET CLOCK	AJUSTE HORA

*(*) Memory number range from 0 to 9, *, #.*

BASE unit In Use / Charge LED operation :

PRIORITY	CONDITION							INUSE / CHARGE LED STATUS
	AC power down	RF link complete	H/S make line	ringer detected	H/S on charge	PAGE key pressed	line on hold	
1.	1	X	X	X	X	X	0	OFF
2.	0	1	X	X	1	X	0	OFF 1 sec. then turn ON
3.	0	0	1	X	X	X	0	ON
4.	0	0	1	X	X	X	1	flashing
5.	0	0	0	1	0	X	0	ON
6.	0	0	0	1	1	X	0	OFF
7.	0	0	0	0	0	X	0	OFF
8.	0	0	0	0	1	X	0	ON
9.	0	0	0	0	0	1	0	ON
10.	0	0	0	0	0	0	0	OFF

Manual Change / Release information:

RELEASE NO. : R1	**REVISION NO. :** 0		**RELEASED TO :** ISO
Reference:	*Cordless TAD + CID F688 Operation Manual (Revision 1.7, 06 Apr. 99)*		
RELEASE NO. : R2	**REVISION NO. :** 1.0		**RELEASED TO :** ISO
Change:	1. Delete - cordless features: Call transfer, Ringer in handset, Flash for call waiting, Handset LED and chained memory dialing of 32 digits (p.1). 2. Delete - lighted key pad (p.2) 3. Delete - "RINGING" display when ring (p.4) 4. Delete - "TALK" LED on handset (p.4) 5. Delete - the HANDSET CHARGE condition in table of handset ringer buzzer respond (p.5) 6. Correct - the status of IN USE LED on base and LCD on handset while RF link and Talk operation (p.5) 7. Delete - keypad lights (p.6) 8. Delete - continuous DTMF tone output when press & hold dial key (p.6) 9. Delete - TALK key flashes (p.7, 8) 10. Delete - In Use LED flash in battery low (p.8) 11. Change - the description about erasing VIP call.(p.14) 12. Change - CID redial can be triggered after TALK-ON (p.17) 13. Add - some status in the table of In Use LED (p.22)		
RELEASE NO. : R3	**REVISION NO. :** 2.0		**RELEASED TO :** ISO
Change:	1. Delete - cordless features: Any key answer (p.1). 2. Delete - handset LED (p.2) 3. Delete - "PAGING" on LCD when receiving a "page" command (p.8) 4. Change - enter Standby mode after erasing the oldest new call (p.13) 5. Change - "TALK" will displayed when CID dialing (p.17,18, 19) 6. Correct - Flash time 650 ms (p.19) 7. Delete - table of POWER LED operation (p.22)		
RELEASE NO. : R4	**REVISION NO. :** 3.0		**RELEASED TO :** ISO
Change:	1. Change - RF link in the 8th channel (p.4). 2. Change - IN USE LED is off while ringing (p.4) 3. Add - Pressing MEMORY key twice can terminate store (p.7) 4. Change - line flash 300ms (p.7) 5. Delete - ringer switch (p.8) 6. Delete - re-enter Setup mode (p.10) 7. Correct - 4 beeps per ring (p.11) 8. Correct - dial out number "154269475" (p.19) 9. Delete - call timer appears when memory store (p.20)		
RELEASE NO. : R5	**REVISION NO. :** 3.1		**RELEASED TO :** ISO
Change:	1. Correct - Line flash time 300ms.(p.1,19) 2. Complete - Language table (p.21)		