DCT4960-2 / DCX490

1-Line Digital Cordless Telephone System

Approve Sheet

We have checked the "MMI for 1-Line Wireless Cordless Telephone System (Revision 1.1)" as follows.

The "MMI for 1-Line Wireless Cordless Telephone System (Revision 1.1)" is correct and fixed. So please go on with the implementation in Tecom.

Date: _____

Signature:_____

Company:_____

Revision and Amendment Records

Revision #	Description	Date
01	1. Preliminary MMI	Mar. 09, 2001
02	1. Modify by Uniden's comments and ideas	Apr. 10, 2001
03	1. Modify by Uniden's final comments and ideas	May. 04, 2001
04	1. Modify by Uniden's new ideas. 2. Correct typing error	May. 28, 2001

05	1. Correct typing error
	2. Modify the registration by Uniden's new ideas
	3. Major changes:
	    (a) Beep timing => 125ms (typing error)
	    (b) Change Frequency (LCD limitation)
	    (c) Cancel LCD blink function (because ESD issue)
		Jun. 14, 2001

1.0	1. Update the revision from 0.5 to 1.0.
	2. Correct typing error.
	3. Major changes:
	    (a) Modify the registration method.
	    (b) Recover LCD blink function (Phone Book Only).
		Jun. 28, 2001

1.1	1. Correct typing error. 2. Add description for handset registration.	Jul. 13, 2001

Table Of Content

I. Introduction

1. Becoming Familiar with Your Wireless System

The system consists of one base unit and up to 4 wireless handset units. The system provides 1 CO lines and 1 intercom path for users. And, the base unit provides 4 voice (RF) channels for intercom and outside calling by any wireless handset. This means that the system is capable to support four users simultaneously.

2. The Features

The system provides the many features such as:

1 CO Line Capacity
3*16 LCD on the Handset Unit
2 LEDs for Charge/Message and Line Status on the Base Unit
Tone/Pulse Dialing
Last Number Redial (3 Redial Memories)
Pre-Dialing
Intercom Calling/Page Ring
3 Way Conference
Hold
Flash (Fixed: 700ms)
Pause (Fixed: 2 Seconds)
Volume Level Control
Headset Compatibility
Ringer Volume Level Control
4 Different Ring Types
Programmable Hold Reminder Duration
Phone Book (20 Records with 20 Digits and 12 Characters)
Caller ID Message Waiting
Caller ID (50 Caller ID Records with 15 Digits and 15 Characters)
Type II Caller ID

3. The Key Layout (Handset Only)

3*16 LCD		
phone book	up/caller id	
end	talk	down
	Flash	
1	2 abc	3 def
4 ghi	5 jkl	6 mno
7 pqrs	8 tuv	9 wxyz
* tone	0 oper	#
hold format	menu enter	redial pause	int'com delete

---

4. Key Descriptions (Handset Only)

. Dial Keypad	To dial number and program special functions
. talk	To access the CO lines
. end	To terminate the voice call/exit the programming/Caller ID mode
. flash	To provide special service such as call waiting
. redial	To dial last number what you dialed
. pause	To insert a time delay (Same as [redial] key)
. hold	To hold the CO line
. int'com	To make an intercom call to the other handset
. menu	To use the programming mode
. enter	To select the sub-item of the programming mode
	(Same as [menu] key)
. phone book	To use the phone book access
. caller id	To enter the caller ID database (Same as the [▲])
. [▲]/[▼]	To select Programming items/Caller ID information/Volume Level
. delete	To perform the deleting function (Same as [int'com] key)
. format	To select the call back number with/without "area code" and "1"
	Or select the phone book name/number display.
	(Same as [hold] key)

5. Key Descriptions (Base Only)

. find handset	To make a page ring to search all handset's location.

II. Indications

1. Lamp Cadence

dark	solid dark
lit	solid lit
Slowest	1sec off, 1sec on repeatedly.
slow	0.5sec off, 0.5sec on repeatedly.
fast	0.125sec off, 0.125sec on, repeatedly.

2. Indicator on the Base Unit

--- charge/voicemail LED:

Dark:	Power Off
Dark:	Power On
Fast:	Security code registration mode
Slow:	Message waiting indication is "On".
Slow:	In charging mode and message waiting indication is "On".
Lit:	In charging mode

--- in use LED:

Dark:	The line is idle.
Lit:	The line is busy.
Fast:	The line is ringing.
Slow:	The line is held.

3. Beeps/Ringer Cadence and Frequency

Beeps/Ringer Name	Ringer Cadence
Key Tone	50ms (Fixed level = Low)
Single Beep = Confirmation Beep	125ms on (Fixed level = Low)
Double Beep = Hold Reminder = Warning Beep	125ms on, 125ms off, 125ms on. (Fixed level = Low)
Paging	250ms on, 250ms off, repeatedly for 60 seconds. (Fixed level = Hi)
Intercom Ring	0.25sec on, 0.25sec off, 0.25sec on, 1.25sec off, repeatedly.
CO Ring	Synchronize with the CO ring signal
Incoming call when	250ms on, 250ms off, 250 on, 250ms off, 250 on, per 30 seconds.

talking intercom	(Fixed level = Low)
Hold Recall Ring	250ms on, 250ms off, 250ms on, 250ms off, 250 on, 750ms off, repeatedly.

Frequency Name	Frequency
Freq-A	2500Hz
Freq-B	2300Hz
Freq-C	2100Hz
Freq-D	1900Hz
Freq-E	1700Hz
Freq-F	1500Hz
Ringer Tone-1	Freq-A for 25ms, and Freq-C for 25ms, repeatedly
Ringer Tone-2	Freq-B for 25ms, and Freq-D for 25ms, repeatedly
Ringer Tone-3	Freq-C for 25ms, and Freq-E for 25ms, repeatedly
Ringer Tone-4	Freq-D for 25ms, and Freq-F for 25ms, repeatedly
Key Tone	2000Hz for 50ms
All beeps and ring use the setting value: Ringer Tone-1, 2, 3, or 4	

4. LCD on the Handset Unit

When the battery connect to the handset unit (power on), the handset will start to initialize the all hardware components and try to synchronize with the base unit. The LCD will display the following message for 5 – 10 seconds.

```
Initializing...
```

Normally, the LCD will be blank when the system is idle and the handset is not in the charging mode.

If the system isn't idle or the handset is on the Base/Charger unit, the LCD will display:

```
Ring:Medium
ID:1
CID:New 12 of 36
```

The LCD of the handset is 3*16 dot matrix. Normally, it will show Ringer level, Handset ID, and Caller ID Counter … etc.

Note: The LCD backlit will be turned on in following cases:
1. The user presses any key, it will be turned on for 10 seconds.

---

2. In ring state (Include CO ring, Intercom Ring, and Paging), it will keep LED on.

3. Receiving the Caller ID Type 2, it will be turned on for 10 seconds.

4. Receiving the Message Waiting information from CO, it will be turned on for 10 seconds.

4.1 CO Line Status

The LCD will display the CO line status. E.g.: Line is ringing, or get a transfer call

```
Ring:Medium
ID:1
Incoming Call
```

E.g.: Line is in use by someone else

```
Ring:Medium
ID:1
Line In Used
```

E.g.: Line is held

```
Ring:Medium
ID:1
Line On Hold
```

4.2 Other Statuses

The others are for battery low status, Message Waiting, Calling date/time for Caller ID, … etc.

1. Battery Low Indication: (Idle mode)

```
Ring:Medium BATT
ID:1
CID:New 12 of 36
```

Or talk mode:

```
Talk 18:53  BATT
15345551234
```

2. Ringer Off Mode:

```
Ring:Off
ID:1
CID:New 12 of 36
```

3. Message Waiting:

```
Ring:Medium
ID:1
Message Waiting
```

Note: The "Message Waiting" indication has higher priority than the Caller ID counter.

4. Caller ID Information

Normally, it will display the Caller ID counter

```
Ring:Medium
ID:1
CID:New 12 of 36
```

It means that there are 36 callers and 12 new callers information in the Caller ID database.

User presses [caller id] key in idle mode to enter the retrieve function, it will display:

```
New CID:12
All CID:36
```

Press [up/down] again to review the Caller ID information. E.g.:

```
 2/09  4:25PM#03
JOHN SMITH
555-1213
```

Note:
1. The "#" symbol means that it is "NEW" caller, and "03" means that caller has made the call 3 times.
2. If without "#" symbol, it means that the user has reviewed the call, and the counter will disappear. E.g.:

```
12/28 11:25AM
JOE BLACK
555-2468
```

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Note:

1. In idle mode and the handset isn't in charging mode, the LCD will display "blank".

2. The user can press [end]/[down]/[flash]/[hold] key to turn on LCD display.

3. The user also can press the other keys to make some operations. E.g.: [digit keys] are for pre-dialing, [phone book] is for phone book access, [menu] is for programming mode… etc.

III. System Programming

1. Summary of the Programming

There are some programming parameters on the handset, and here are the operation and the list.
Press [menu] and then press [up/down] to select the item you want to program.
There are some different items to setting and usage:

Item	Note (*: Default Value)
Line Ring	On *, Off
Ringer Volume	High, Medium *, Low, Off
Ringer Tone	1 *, 2, 3, 4
Hold Reminder	Off *, 15, 30, 45, 60 Seconds
Handset Reset	
Registration	
Tone/Pulse	Tone *, Pulse
Area Code	Empty * (3 Digits)
Privacy	On, Off *
Auto Talk	On, Off *

When user presses the [menu] key in idle mode, the LCD will display:

```
  Auto Talk
 >Line Ring
  Ringer Volume
```

View this screen, user can press [enter] (the same as [menu] key) to enter the mode, or press [up/down] to select other items.

Note:
1. About the "Phone Book" function, please refer to "Phone Book Operation".
2. About the "Caller ID" function, please refer to "Caller ID Operation".
3. All above parameters are stored in EEPROM, the other parameters are stored in RAM only. (e.g. redial, handset volume, headset volume, and speakerphone volume.)
4. The base unit will keep some parameters. There are Base Security code, Tone/Pulse, Area Code, Privacy, and Caller ID Database.
5. The handset unit will keep the others. There are: Handset Security Code, Line Ring, Ringer Volume, Ring Type, Hold Reminder, Handset ID, Auto Talk, and Phone Book.
6. The programming mode will be cancelled when the user doesn't press any key over 30 seconds.

---

2. Handset Setting

The following item will introduce the handset programming in this section.

2.1 Line Ring Programming

The "Line Ring" Programming will turn on/off the CO ring when receiving the CO ring signal.
The values: On/Off. Default: On.

Standby, the LCD will display blank. Press the [menu] key, the LCD will display:

```
 Auto Talk
>Line Ring
 Ringer Volume
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Line Ring
On
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Line Ring
Off
[▲]/[▼]:Change
```
Or
```
Line Ring
On
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Line Ring
Off
OK!
```
Or
```
Line Ring
On
OK!
```

After 3-5 seconds, the LCD will come back the upper level to program the other items. The LCD

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will display: (All programming items will have this same function)

```
  Auto Talk
>Line Ring
  Ringer Volume
```

2.2 Ringer Volume Programming

The "Ringer Volume" Programming will generate different ring level for all ring signal.
The values: High/Medium/Low/Off. Default: Medium.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
  Line Ring
>Ringer Volume
  Ring Type
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Ringer Volume
Medium
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Ringer Volume
High
[▲]/[▼]:Change
```

Or

```
Ringer Volume
Off
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Ringer Volume
High
OK!
```

Or

```
Ringer Volume
Off
OK!
```

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After 3-5 seconds, the LCD will come back the upper level to program the other items. The LCD will display: (All programming items will have this same function)

```
 Line Ring
>Ringer Volume
 Ringer Tone
```

Note:
1. The handset will generate a double beep for the user to refer the ringer volume. (except "Off")
2. Regardless of ringer volume level (exclude "Off"), the "key tone", "one beep (confirmation beep)", "double beep (hold reminder, warning beep)", and "Incoming call when talking intercom" will always use the "Low" level. And the "Paging Ring" will be fixed to "High" level.
3. When "Ringer Volume is OFF", the following rings will be turned off:
   (1) Incoming Call
   (2) Intercom Call
   (3) Hold Recall
   (4) Hold Reminder
   (5) Incoming call when talking intercom.

2.3 Ringer Tone Programming

The "Ringer Tone" Programming will generate 4 different ring frequency for all rings/beeps signal. The values: 1, 2, 3, and 4. Default: 1.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Ringer Volume
>Ringer Tone
 Hold Reminder
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Ringer Tone
1
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Ringer Tone
3
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Ringer Tone
3
OK!
```

Note: The handset will generate a double beep for the user to refer the ring type.

2.4 Hold Reminder Programming

The "Hold Reminder" Programming will generate double beep periodically for hold reminder.
The periodical time values: Off/15/30/45/60 Seconds. Default: Off.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Ringer Tone
>Hold Reminder
 Handset Reset
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Hold Reminder
Off
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Hold Reminder
30 Seconds
[▲]/[▼]:Change
```
Or
```
Hold Reminder
45 Seconds
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Hold Reminder
45 Seconds
OK!
```

2.5 Handset Reset Programming

The "Handset Reset" Programming will reset the handset unit back to the default status.
Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
  Hold Reminder
>Handset Reset
  Registration
```

Press [enter] (the same as [menu] key) to enter the mode, the LCD will display:

```
Handset Reset
No?
[▲]/[▼]:Change
```

Press [up/down] key to select the [Yes?] mode.

```
Handset Reset
Yes?
[▲]/[▼]:Change
```

You can select [Yes] to reset, or [No] to exit this mode.

Press [enter] (the same as [menu] key) to confirm, the LCD will display: (e.g. [Yes])

```
Handset Reset
Resetting...
```

After 15-30 seconds, the handset comes back to the default status.

The LCD will display the following message for 5 – 10 seconds.

```
  Initializing...
```

And then, display the current status:

```
Handset is
not registered
```

2.6 Registration Programming

The users can re-registration the system by themselves. First of all, enter the registration mode on the base unit (refer to the installation section). And then, select the handset is in the registration mode, too. Put the handset on the cradle of the base unit. The system will automatically register the handset (Refer to the installation section for detail information).

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Handset Reset
>Registration
 Tone/Pulse
```

Press [enter] (the same as [menu] key) to enter the mode, the LCD will display:

```
Registration
No?
[▲]/[▼]:Change
```

If the user doesn't want to register the handset, just press [enter] to exit the mode.

Or, press [up/down] key to change the mode.

```
Registration
Yes?
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Registration
Put on the Base
and wait
```

If the registration is successful, the LCD will display:

```
Registration
ID=2
OK!
```

And generate the confirmation beep.

If it fails after 10 seconds, the LCD will display:

```
Registration
Fail!
Try Again!
```

After 3-5 seconds, the LCD will come back the upper level to program the other items. The LCD will display: (All programming items will have this same function)

```
 Handset Reset
>Registration
 Tone/Pulse
```

If the handset never register to the base or has been reset, the LCD will display:

```
Handset is
not registered
```

In this situation, the user doesn't need to enter the registration mode. He can put the handset on the base directly. But, the base unit still needs to enter the registration mode. (Refer to installation section)

2.7 Tone/Pulse Programming

The "Tone/Pulse" Programming will allow the user to select the dialing mode by Tone or Pulse. The value: Tone/Pulse. Default: Tone.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Registration
>Tone/Pulse
 Area Code
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Tone/Pulse
Tone
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Tone/Pulse
Pulse
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Tone/Pulse
Pulse
OK!
```

2.8 Area Code Programming

The "Area Code" Programming will allow the user to set the local area code.
The length: 3 Digits. Default: Empty.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Tone/Pulse
>Area Code
 Privacy
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Area Code
(Empty)
Digit:Edit
```

Press the 3 digits to change for new area code.

```
Area Code
533
Digit:Edit
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Area Code
533
OK!
```

User also can delete the area code by pressing the [delete] key
Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Area Code
533
Digit:Edit
```

Press [delete] (the same as [int'com] key) to delete, the LCD will display:

```
Area Code
533
Delete?
```

Press [delete] (the same as [int'com] key) to confirm, the LCD will display:

```
Area Code
(Empty)
OK!
```

2.9 Privacy Programming

The "Privacy" Programming will define the line with/without Private function.
The value: On/Off. Default: Off.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
 Area Code
>Privacy
 Auto Talk
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Privacy
Off
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Privacy
On
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Privacy
Off
OK!
```

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Note:
1. If the user sets this function "ON", the conference function will be cancelled automatically from next call.
2. The programming will fail when the user change the setting during the CO line is not idle.

2.10 Auto Talk Programming

The "Auto Talk" Programming will allow the user to pick up the call without pressing [talk] key. The user can press any digit key or remove the handset from the base/charge unit to answer the call when this function is turned on. The value: On, Off. Default: Off.
This function is operated by each handset, not for whole system.

Standby, press the [menu] key, and press [up/down] to select the item what you want to program.

```
  Privacy
 >Auto Talk
  Line Ring
```

Press [enter] (the same as [menu] key) to enter the change mode, the LCD will display:

```
Auto Talk
Off
[▲]/[▼]:Change
```

Press [up/down] key to change the mode.

```
Auto Talk
On
[▲]/[▼]:Change
```

Press [enter] (the same as [menu] key) to confirm, the LCD will display:

```
Auto Talk
On
OK!
```

Note:

If the handset never register to the base or has been reset, the LCD will display:

```
Handset is
not registered
```

In this situation, the user doesn't need to enter the registration mode. He can put the handset on the base directly. But, the base unit still needs to enter the registration mode.

3. Base Unit Resetting

Re-power on the base unit, and then press [find handset] key 10 times during 15 seconds. The base unit will clear all parameters/database information.
The user must re-register all handsets again to use the cordless system.

IV. System Installation

1. Security Code and Handset ID

The system must use the same security code between base and all handset units.

If the handset unit doesn't have the same security code as the base unit, or the system won't wok well. The system will assign the handset ID automatically, the users don't need to assign the ID.

2. Security Code Changing

Each base unit has unique security code from the factory setting. But, the users can change to the other new security code.

Do the following procedures to change the system security code.
(1) **Press and hold** the [find handset] key, and then re-power on the base unit. Keep pressing and holding the [find handset] key for 6 seconds on the base unit.
(2) The security code will be changed to new one automatically.

After changing the security code, all handsets must re-register again. And the handset ID will be re-assigned.

3. Security Code Registering

Do the following procedures to register the handset to base unit.

(1) First of all, make sure that the CO line and Intercom path are in idle mode. And, the handset is NOT on the cradle of the base unit.
(2) Press and hold [find handset] for 5 seconds to start setting the security code on the base unit. The charge/message LED will be changed to "fast" flash to indicator that the system is in registering mode.
(3) Select the registration mode in the handset unit by the programming method.
(4) Put the handset on the cradle of the base unit to receive the security code from the base unit.
(5) The handset will generate the confirmation beep and display successful message on the LCD when receiving the security code and ID number from the base unit.
(6) There are 30 seconds for the user to register all handsets. If the time is not enough to register all handsets, the user can press and hold [find handset] for 5 seconds to register the other handsets again.

Note:

1. If the base unit has been changed to the new security code, all handsets must be re-registered again.

2. If the handset doesn't register to the base unit, the handset won't work with the base.

V. Basic Operation

1. Initial and Standby Mode

1.1 Initial Mode

When the battery connect to the handset unit (power on), the handset will start to initialize the all hardware components and try to synchronize with the base unit.
The LCD will display the following message for 5 – 10 seconds.

```
Initializing...
```

1.2 Handset Link with the Base Unit

The handset will automatically be in the battery saver mode when the handset in standby mode.

If the handset has new messages from base unit or some operations by the user, the LCD will display the message for 10 seconds. After 10 seconds, the LCD will be changed to blank unless the handset is in the charging mode.

The LCD will display nothing when it is in standby mode. If the user wants to view the messages of the LCD, he can press key to turn on the LCD display.

```
Ring:Medium
ID:3
CID:New 12 of 36
```

1.3 Handset can not Link with the Base Unit

```
Ring:Medium
ID:3
NoSvc
```

The "NoSvc" means that the handset unit is far away from the base, or the handset has wrong security code with the base unit.

1.4 Other Messages Display

```
Ring:Medium BATT
ID:3
CID:New 12 of 36
```

Or

```
Ring:Medium
ID:3
Message Waiting
```

Note: The LCD won't display any message when the handset is not on the base/charger unit unless the message is "Battery Low".

2. Making outside Line Call

2.1 Making an Outgoing Call by Manual Dialing

Standby, press [talk]. The LCD displays: (Note: The "mm:ss" means that the call duration.)

```
Talk mm:ss
```

Enter the telephone number, for example: "035775141"

```
Talk mm:ss
035775141
```

Press [end] to release the call, or put the handset to the base/charger unit to release the call automatically. The LCD will display "Call Duration" about 3-5 seconds.

```
        mm:ss
```

And then, back to the normal display:

```
Ring:Medium
ID:3
CID:New 12 of 36
```

Note: The system provides the continuous tone function for the special service.

2.2 Making an Outgoing Call by Pre-Dialing

Standby, press the numbers what you want to dial out. For example: "035775141"

```
035775141
```

Note:
1. Use the [up/down] to backward/forward the cursor.
2. The maximum pre-dialing length is 30 digits.

Press [talk] to pick up the CO line and the numbers will be dialed out automatically.

```
Talk mm:ss
035775141
```

Press [end] to release the call, or put the handset unit to the base/charger unit to release the call automatically. The LCD will display "Call Duration" about 3-5 seconds.

```
        mm:ss
```

And then, back to the normal display:

```
Ring:Medium
ID:3
CID:New 12 of 36
```

3. Answering Call

You may press any one of the digit keys [1/2/3/4/5/6/7/8/9/0/*/#] or lift the handset from the base/charger unit to pick up the ringing call. And the answer priority is Ringing Intercom Call, CO Call (Including Transfer Calls, Hold Recall Calls, Ringing CO Line Calls.) (When "Auto Talk" is on.) But, you may override the priority, by press the [talk] or [int'com] directly.

Handset in the standby mode when the handset rings:

```
Ring:Medium
ID:3
Incoming Call
```

Press [any one of the digit] key, or press [talk] to pick up the CO ringing line:

```
Talk mm:ss
```

If you want to release the call, press [end] to release the call, or put the handset to the base/charger unit to release the call automatically. The LCD will display "Call Duration" about 3-5 seconds.

```
        mm:ss
```

And then, back to the normal display:

```
Ring:Medium
ID:3
CID:New 12 of 36
```

4. Last Number Redial (LNR)

4.1 Making an Outgoing Call by LNR

Standby, press [talk], the LCD will display:

```
Talk mm:ss
```

Press [redial] to redial the last dialed number. The LCD will display:

```
Talk mm:ss
035775141
```

Note:
1. The maximum redial length is 30 digits.

4.2 Making an Outgoing Call by LNR with Pre-view

Standby, press [redial] and the LCD displays:

```
Redial #1
035775141
```

After Last dialing number reviewed, and you want to dial the number
Press [talk] to pick up the line and dial out the number as display on the LCD:

```
Talk mm:ss
035775141
```

4.3 Making an Outgoing Call by Other LNR Buffer with Pre-view

Standby, press [redial] and the LCD displays:

```
Redial #1
035775141
```

Press [redial] again to view the other last dial out buffer, the LCD will display:

```
Redial #2
035775142
```

Or

```
Redial #3
035775143
```

After Last dialing number reviewed, and you want to dial the number.
Press [talk] to pick up the line and dial out the number as display on the LCD:

```
Talk mm:ss
035775143
```

Note:
1. There are 3 redial buffers in each handset. And Redial #1 is latest dial number.
2. The redial index will be cycle when pressing [redial] many times. It will show Redial#1 => Redial#2 => Redial#3 => Redial#1...

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5. Placing an Outside Call on Hold

5.1 Placing an Outside Call on Hold

On line

```
Talk mm:ss
035775141
```

Press [hold], and the LCD will display:

```
Ring:Medium
ID:3
Line On Hold
```

5.2 Auto Hold

If user presses the [int'com] key, the system will hold the current talking CO line automatically.
The LCD will display:

```
ICM To

Line On Hold
```

If the user doesn't want to make an intercom call, he just presses [end] to release the intercom call.

5.3 Hold Reminder

If the Hold Reminder Time is not disabled and the CO line is held by any handset, a double beep
will be heard to remind you that the line is still held when the line is held over a programmed period
of time. (e.g. 30 seconds)   The LCD will display "Line On Hold" to remind the user.

```
Ring:Medium
ID:3
Line On Hold
```

5.4 Hold Recall Ring

If the held CO line is not picked up for 3 minutes, all handset units will start to ring (i.e., Recall
Ring) to remind all of the users. The LCD will display:

```
Ring:Medium
ID:3
Recall Ring
```

Press [any one of the digit] key or you may press the [talk] to pick up the CO hold recall ringing.

6. Retrieve a Line on Hold

A CO line is held. Press the [talk] to pick up the call, the LCD will display

```
Talk mm:ss
```

Note:
1. In this wireless system, the held CO line will be released when the held line isn't picked up within 5 minutes.
2. When the line is held, any handset can pick up the held line by pressing [talk] key.

7. Making an Intercom Call

Standby, press the [int'com] key. The LCD will display:

```
ICM To
```

If you enter the intercom station number in time, say station 3 make an intercom call to station 2. An intercom call ring will be heard at station 2. The LCD will display on the statation3:

```
ICM To 2
Ring
```

The station 2 will display:

```
ICM By 3
Ring
```

Note:

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1. The called party press [int'com] to answer the intercom call. Or the user can press any digit key to answer the intercom call if the "Auto Talk" function is "On".
2. If the caller party picks up the intercom and doesn't dial out the called party number, the intercom call will be cancelled automatically after 10 seconds.
3. If the called party doesn't pick up the intercom call, the intercom call will be cancelled automatically after 60 seconds.
4. If the called party presses the [end] key to reject the call, the intercom call will be cancelled by the system.
5. User can press [talk] key to pick up the CO call when the intercom call is ringing. And the intercom call will be released when user presses the [talk] key.
6. The system doesn't provide any tone (e.g.: dial tone/ring back tone/busy tone/…) for intercom operation.

7.1 If the System is No-Service

If the system is no-service, the handset will generate a warning beep and LCD will display:

```
Ring:Medium
ID:3
NoSvc
```

And, the user can't access the intercom path.

7.2 If the Intercom Path is Busy

If the intercom path is occupied by someone, the handset will generate a warning beep and LCD will display:

```
ICM Busy
```

7.3 If the Called Party is Busy and Access-able

The calling party station 3 will display:

```
ICM To 2
Busy
```

Note: The called party station 2 will remain UN-changed, and WON'T hear a call waiting triple beep for intercom call.

7.4 If the Called Party is Ringer Off and Access-able

The calling party station 3 will display:

```
ICM To 2
Ringer Off
```

The called party station 2 will display:

```
ICM By 3
Ringer Off
```

Note: The called party station 2 can pick up the intercom call when the ringer is off.

7.5 If the Called Party is an Illegal Number

Note: Illegal means the called party is non-existing or loses the link with this system.
For example, the calling party station 3 will display:

```
ICM To 2
Not Found
```

8. Answering an Incoming Intercom Call

The called handset is ringing. (The called station)

```
ICM By 3
Ring
```

Press [any one of the digit] key or you may press the [int'com] to pick up the ringing intercom call.
The LCD will display:

```
ICM By 3
Talk
```

And the calling party station 3 shows:

```
ICM To 2
Talk
```

When conversation is over. Press [end] to release the call

9. Transferring CO Call

On line:

```
Talk mm:ss
035775141
```

Presses the [int'com] key to hold the CO line and pick up the intercom. The LCD will display:

```
ICM To

Line On Hold
```

If the user doesn't want to make an intercom call, he just presses [end] to release the intercom call. Or, he dials out the called party number to talk with the other user.

The LCD will display:

```
ICM To 2
Talk
Line On Hold
```

The caller can announce that handset-2 has a transferred call from CO. Handset 2 can directly press [talk] key to pick the call.

10. Locate All Handsets

When the user can't find the handset unit, the user can press the [find handset] key on the base unit.

10.1 Paging Ring to All Handsets

User presses the [find handset] key (on the base) to start ringing all handsets for 60 seconds, and the user can find all handsets by the paging ring. The LCD will display:

```
Paging
```

Note:
1.The user can press [end] key or "Any Digit Key" on the handset to stop the ring immediately.
2.The paging ring volume level is fixed to "Hi".

10.2 Stop Paging Ring to All Handsets

User can stop paging ring by pressing the [find handset] key again.

During the paging ring timing (60 seconds), user can press [find handset] to stop the ring.
All Handset will stop the ring immediately.

11. Conference Call

The system must set the "Privacy" function is "Off". So, the other handsets can join the call by pressing [talk] directly.

For example, the handset 3 is talking on CO line. The LCD will display:

```
Talk mm:ss
035775141
```

The other handset-2 can press the [talk] key directly to join the call. The handset 3 will display:

```
Conf mm:ss
035775141
```

The other handset-2 will display:

```
Conf mm:ss
```

Note:
1. The "Privacy" function must be set to "OFF" to enable the conference call function.
2. During conference talking mode, the line will be held when someone presses [hold] key.

---

12. FLASH Function

You may press the FLASH function key instead of pressing the hook switch to activate services such as call waiting, 3-way calling, etc. The duration time is fixed: 700ms.
On line

```
Talk mm:ss
035775141
```

Press [flash] to make a hook switch to the line. The LCD will display:
(This screen will display about 1 second only.)

```
Talk mm:ss
```

Note: After [flash] function, the system will auto insert the delay time (about 2 seconds) for next dialing digit.

13. TONE Function

If you have pulse service and wish to access a computer or calling service that use tone.
On line, and dialed digits in pulse.
The LCD will display

```
Talk mm:ss
035775141
```

Press [tone] (same as [*]) to change the dialing mode to TONE mode. And then enter the rest digits will be dialed as TONE signal.

```
Talk mm:ss
035775141*336
```

When you release the line, the dial mode will change to the pulse mode again automatically.

Note:
After [tone] function, the system will auto insert the delay time (about 2 seconds) for next dialing digit.

14. PAUSE Function

You may use the PAUSE function to make a dialing delay between digits during programming mode or dialing mode. Each time you press PAUSE key, about a 2 seconds delay occurs in the dialing sequence. You may press more than one PAUSE to get a longer delay for you need.

15. Out of Range Warning

The LCD will display the "Out Of Range" and a double beep warning per 5 seconds when the handset is too far from the base unit. You have to move closer to the base unit for clear conversation. Walking out from base unit service area. The LCD will display:

```
Talk mm:ss
Out Of Range
```

15.1 Handset Walks Back to the Base Unit

If the user walks back to the base unit after he/she receive the Out Of Range warning, the handset will stop the O.O.R. warning.

```
Talk mm:ss
035775141
```

15.2 Handset Keeps Walking Out From the Base Unit

If the user keeps walking away from the base unit service area, once the system lose the signal for a period of time, say 15 seconds, then the base will hold the call automatically.
Either the handset links with the base unit,

```
Talk mm:ss
035775141
```

Or the handset loses the link with the system.

```
Ring:Medium
ID:3
NoSvc
```

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16. Battery Low Warning

The warning indicator appears and warning-beep once only when the battery of the handset becomes weak. If you are on a call when battery low, you will hear the double beep, end the conversation as soon as possible. Otherwise, you may lose the call. The LCD will warn you about the battery low status.

```
Talk mm:ss
BATT
035775141
```

Or

```
Ring:Medium BATT
ID:3
CID:New 12 of 36
```

Note: If the handset is in battery low mode, the LCD will be always turned on.

17. Complete with Headset

The Headset unit frees your hands so you can keep working.
Plug the headset into the headset jack. The voice will be switched to the headset unit automatically. Plug out the headset when you want to talk by handset. The voice will be switched to the handset automatically.

The LCD will display the volume level when pressing [up/down] key. (Eg. Level 5, and 1)

```
Talk mm:ss
Headset ■■■■■
```

Or

```
Talk mm:ss
Headset ■
```

There are 5 receiver volume levels (Level 1,2,3,4,5) for headset. A warning beep will be heard when the volume is set at the maximum (Level 5) and minimum level (Level 1)
The default level is middle (Level 3).

18. Volume Control

There are 5 receiver volume levels (Level 1,2,3,4,5). The default level is middle (Level 3).

Talk mode, press Volume [▲]/[▼] to select a desired volume level.

A warning beep will be heard when the volume is set at the maximum (Level 5) and minimum level (Level 1) The default level is middle (Level 3).

The LCD will display the volume level when pressing [up/down] key. (Eg. Level 4, and 2)

```
Talk mm:ss
Handset ■■■■
```

Or

```
Talk mm:ss
Headset ■■
```

Note: the handset and headset volumes are set separated.

VI. Phone Book Operation

The Phone book memory stores 20 records for names and phone numbers in the handset unit.
Name: maximum 12 characters.
Number: maximum 20 digits.

1. Storing the Information into Phone Book Memory

Standby, the LCD will display:

```
Ring:Medium
ID:1
CID:New 12 of 36
```

Press [phone book] to select the phone book item. The LCD will display:

```
20 (Empty)
01>(Empty)
02 (Empty)
```

Press [up/down] to select the phone book index:

```
05 (Empty)
06>(Empty)
07 (Empty)
```

Press [enter] to enter the edit/change/dialing mode, the LCD will display:

```
06:(Empty)

.   ..
```

Press [*] to start editing new record. The LCD displays

```
06:(Name?)

```

Note:
1. Repeatedly press the dial pad key that letter or symbols, until the display shows the letter or

symbol that you want to save.

1 for - ! & . ( ) @ 1	**2** for A, B, C, a, b, c, 2	**3** for D, E, F, d, e, f, 3
4 for G, H, I, g, h, i, 4	**5** for J, K, L, j, k, l, 5	**6** for M, N, O, m, n, o, 6
7 for P, Q, R, S, p, q, r, s, 7	**8** for T, U, V, t, u, v, 8	**9** for W, X, Y, Z, w, x, y, z, 9
* for *	**0** for 0, "SPACE"	**#** for #

2. User can press [up/down] for the Backward/Forward the cursor.
3. User can use [delete] key to delete one character or digit.

After editing the name, the LCD display:

```
06:(Name?)
James Smith
```

Press [enter] to keep the name and the LCD display:

```
06:(Number?)
```

After editing the number, the LCD display:

```
06:(Number?)
13592251234
```

Press [enter] to store the name and number into the memory, will hear a confirmation tone.

```
06:James Smith
13592251234
_  .
```

After 3-5 seconds, the LCD will come back to phone book mode

```
06:James Smith
13592251234
 .   ..
```

Note:
1. The user can enter "1, 2, 3, ... , 8, 9, 0, *, #, Pause, Flash" into the number field.

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2. The number can't be empty. If the user doesn't enter the any number, the phone book won't be stored.

If the user wants to edit the other information, he just presses [up/down] to select the other phone book index. For example: press [down] key. The Phone book will be changed from 06 to 07.

The LCD will display:

```
07:(Empty)


.   ..
```

Press [up] key. The Phone book will be changed from 06 to 05. The LCD will display:

```
05:(Empty)


.   ..
```

2. Editing the Information from Phone Book Memory

Standby, press [phone book] to select the phone book item.
Press [up/down] to select the phone book index:

```
05 Tecom
06>James Smith
07 (Empty)
```

Press [enter] to enter the edit/change/dialing mode, the LCD will display:

```
06:James Smith
13592251234

.   ..
```

Press [*] to start editing new record. The LCD displays

```
06:(Name?)
James Smith
```

Pressing the key to edit the name, using [up/down] to move cursor.
After editing the name, the LCD display:

```
06:(Name?)
Jacky Chen
```

Press [enter] to keep the name and the LCD display:

```
06:(Number?)
13592251234
```

After editing the number, the LCD display:

```
06:(Number?)
13592252468
```

Press [enter] to store the name and number into the memory, will hear a confirmation tone.
The LCD display:

```
06:Jacky Chen
13592252468
        .
```

After 3-5 seconds, the LCD will come back to phone book mode

```
06:Jacky Chen
13592252468
.    ..
```

If the user wants to edit the other information, he just presses [up/down] to select the other index.

3. Deleting the Information from Phone Book Memory

Standby, press [phone book] to enter the phone book item.
Press [up/down] to select the phone book index:

```
05 Uniden
06>Jacky Chen
07 Tecom
```

Press [enter] to enter the edit/change/dialing mode, the LCD will display:

```
06:Jacky Chen
13592252468
.    ..
```

Press [delete] to delete the record. The LCD displays

```
06:Jacky Chen
13592252468
Delete?
```

Press [delete] again to confirm the deletion. The LCD displays

```
06:(Empty)


     .
```

4. Reviewing the Information from Phone Book Memory

Standby, press [phone book] to enter the phone book item.
Press [up/down] to review the phone book information:

```
05 Uniden
06>Jacky Chen
07 Tecom
```

Press [format] key to change the display for the number of the record. It will display:
(For the first 13 digits display only)

```
05 0355432800
06>13592252468
07 035775141
```

Press [format] again, to review the name: (For Name ONLY)

```
05 Uniden
06>Jacky Chen
07 Tecom
```

Or, user can [enter] the edit/change/dialing mode, the LCD will display:

```
06:Jacky Chen
13592252468
.   ..
```

Press [up/down] key to review the other records:
(It will show whole information, include 12 characters for name and 20 digits for number.)

Or

```
05:Uniden
0355432800

.   ..
```

```
07:Tecom
0028863577514IPP
2131
.   ..
```

Note:
1. Using the [down] key to review the phone book forward. E.g.: Index#01 => Index#02 => Index#03 => … => Index#20 => Index#01 => …
2. Using the [up] key to review the phone book backward. E.g.: Index#01 => Index#20 => Index#19 => …. => Index#01 => Index#20 => …

5. Dialing Information from Phone Book Memory

In the review mode, it will display

```
05 Uniden
06>Jacky Chen
07 Tecom
```

Or

```
06:Jacky Chen
13592252468

.   ..
```

Press [talk] key to pick up the CO line and dial out the number.   The LCD display:

```
Talk mm:ss
13592252468

```

6 Dialing Information after Pick up the Line

Press [talk] key to pick up the CO line. The LCD display:

```
Talk mm:ss

```

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Press the [phone book] key, the LCD display:

```
Talk mm:ss
Memory Index:
```

Enter the index, e.g. 06, the phone will dial out the number of the phone book index 06.
The LCD will display:

```
Talk mm:ss
13592252468
```

7. Chain Dialing by Phone Book Memory

After pick up the CO line and dial out phone book memory or some digits, the LCD will display:

```
Talk mm:ss
13592252468
```

User can select the other phone book memory. Press [phone book] first, the LCD will display:

```
Talk mm:ss
Memory Index:
```

For example "Phone book index 03", user enter "03", it will automatically dial out the content in the memory index 3, the LCD display:

```
Talk mm:ss
135922524681234
567890
```

Note:
1. The Chain-Dialing function could combine the following cases.
   (a) Manual Dialing + Phone Book.
   (b) Phone Book + Manual Dialing
   (c) Phone Book + Phone Book

2. About the Caller ID with Chain-Dialing, it should be dialed out Caller number first. e.g.:
   (a) Caller Number + Manual Dialing
   (b) Caller Number + Phone Book.
3. The following operation WON'T work:
   (a) Manual Dialing + Caller Number
   (b) Phone Book + Caller Number

VII. Caller ID Operation

The Cordless System provides the Caller ID function and store up to 50 Caller ID records.

1. Area Code Programming

The Cordless System provides area code that is programmable.

--- If the phone number came from your area code, the LCD displays the phone number only (without an area code).
--- If the phone number doesn't come from your area code, the LCD displays the phone number with the area code prefixed.

2. Ringing Line Caller ID Function

If the Caller ID service is available from your telephone company, and your have requested this feature, the LCD will show the telephone name and number of the incoming calls.

If you receive a call, the caller's Number & Name is displayed when the 2nd ringing is coming:

```
 2/09  4:25PM#03
JOHN SMITH
555-1213
```

Or

```
12/09 11:25PM#05
No Name
534-555-1234
```

Or

```
11/28 10:25AM#01
JOHN SMITH
No Number
```

Or

```
 2/09  4:25PM#03
No Name
No Number
```

Or

```
 2/09  4:25PM#03
Private
```

Or

```
 2/22 11:35AM#01
Unknown
```

Or

```
┌─────────────────────────────┐
│                             │
│   Incomplete Data           │
│                             │
│                             │
└─────────────────────────────┘
```

Note:
1. JOHN SMITH: Incoming caller's name.
2. "No Name":   The Name is not sent from your telephone company.
3. "No Number":   The Number is not sent from your telephone company.
4. "Private":   Incoming caller's ID Private indicator.
5. "Unknown":   Incoming caller's ID Out-Of-Area indicator.
6. "Incomplete Data":   The Caller ID information is check sum error.
7. Only unknown and incomplete data won't be stored into the database.
8. If the system receives "Private" and "Name/Number" together, the system will display "Private".
9. If the system receives "Out of Area" and "Name/Number" together, the system will display "Unknown".

3. Caller ID Data Base Function

Up to 50 caller's information can be stored in the Database of the base unit on a numbered list. This list can be reviewed at any time. If more than 50 calls are received, the earliest received numbers are deleted to maintain a total of 50 calls.

The LCD will display new callers and all callers counter when the handset is on the base/charger unit.

```
┌─────────────────────────────┐
│  Ring:Medium                │
│  ID:1                       │
│  CID:New 12 of 36           │
└─────────────────────────────┘
```

If the new callers counter is "00", it will display:

```
┌─────────────────────────────┐
│  Ring:Medium                │
│  ID:1                       │
│  CID:New 00 of 36           │
└─────────────────────────────┘
```

Note:
1. The "12" and "00" are new Caller ID information counter.
2. The "36" is total Caller ID information counter.
3. The Caller ID retrieving mode will be cancelled when the user doesn't press any key over 30

---

seconds.

4. All Caller ID information are stored in base unit. It means that any handset can retrieve the caller ID database.

5. The Caller ID retrieve function allows only one user accesses simultaneously. It means that someone is retrieving the Caller ID database, the other users can't access the database at the same time.

6. The system checks the caller ID repeat counter on the same date only. It means that if the same caller made 2 calls yesterday (e.g. Jun. 26), and made 3 calls today (Jun. 27). The database will keep 2 records, one record has repeat counter 2, the other record is 3.

7. The system compares the caller number only for the repeat condition.

8. If the caller ID has been retrieved, the repeat counter will be clear.

9. The maximum repeat counter is 99. If the same caller calls again, the counter still keeps 99.

10. The Caller ID Database retrieving will occupy the intercom path, so the intercom function won't work when the database is retrieved, and vice versa.

3.1 Enter the CID Data Base Retrieve Mode

You may enter the CID Database, what stored the latest 50 calls, and you may use some very useful features during the view of the database.

Standby, press [caller id] key to enter Caller ID retrieve mode.

```
New CID:xx
All CID:yy
```

1. "NEW CID:XX":   The new CID number XX.
2. "ALL CID: YY":   The all CID number YY.

If the database is empty, it will display:

```
New CID:00
All CID:00
```

3.2 Delete All Callers from the Caller Data Base

You may delete all caller information easily from the caller database after you have returned the call or you have reviewed the caller list.

Press [caller id], LCD shows the all caller information, and you want to delete it from the caller list.

```
New CID:xx
All CID:yy
```

Press [delete] key to delete the all caller data. The LCD displays:

```
New CID:xx
All CID:yy
Delete All?
```

Press [delete] again to confirm the deletion. The LCD displays:

```
New CID:00
All CID:00
```

3.3 Scroll the Callers in the CID Data Base

Press [caller id] to enter Caller ID retrieve mode.
In CID database retrieve mode, press [up/down] again to view the content of the database.

Press [caller id], LCD shows the all caller information,

```
New CID:xx
All CID:yy
```

Press [up/down] to scroll the CID database between calls.

For example

-- Press [down] (FORWARD), you will see the newest caller:

```
 2/10 11:55AM#05
TOM BROOK
521-555-2468
```

Note: "#" mark means that the caller information is new and call 5 times.

-- Press [down] (FORWARD) again, you will see:

```
 2/10 11:54AM#03
TIM JONES
236-525-1234
```

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-- Press [up] (BACKWARD), you will see the oldest caller when you are checking New/All Call:

```
  2/08 10:35PM
JOHN SMITH
123456789012
```

-- Press [up] (BACKWARD) again, you will see:

```
  2/08 11:47PM
TONY SMITH
234567890390
```

Note:
1. For 7-digit number, the display will be "123-4567".   For 10-digit number, the display will be 123-4567-890". All other digits, the display won't have hyphen between the numbers.
2. If the record of the Caller ID database is retrieved by the user, the "#" and counter won't display anymore.
3. The counter will check "the same day caller ID information". It means that the same caller calls many times in the same day, the Caller ID database will keep one record only. If the same caller calls many times during 2 different days (e.g.: yesterday and today), the Caller ID database will keep two different Date/Time records.

3.4 Dial Back for the Caller on the Display

You may answer the call easily while you are reviewing the caller ID database. The LCD shows the caller information, and you want to return the call

```
  2/09  4:25PM
JOHN SMITH
555-1213
```

Press [format] key to select the mode what you want to dial out. The LCD will display:

```
  2/09  4:25PM
JOHN SMITH
1-555-1213
```

Press [format] key again to select the other mode what you want to dial out. The LCD will display:

```
  2/09  4:25PM
JOHN SMITH
533-555-1213
```

Subject: 1-Line Wireless Cordless Telephone System

Press [format] key again to select the other mode what you want to dial out. The LCD will display:

```
 2/09  4:25PM
JOHN SMITH
15335551213
```

Press [format] every time, the display mode will change:

```
 2/09  4:25PM
JOHN SMITH
555-1213
```
Or
```
 2/09  4:25PM
JOHN SMITH
1-555-1213
```
Or
```
 2/09  4:25PM
JOHN SMITH
533-555-1213
```
Or
```
 2/09  4:25PM
JOHN SMITH
15335551213
```

After your selection, press [talk] to pick up the CO line. And then the unit will dial out the number automatically. The LCD will show: (for example)

```
Talk mm:ss
15335551234
```

3.5 Delete a Caller from the Caller Data Base

You may delete a caller information easily from the caller database after you have returned the call or you have reviewed the caller list.

The LCD shows the caller information, and you want to delete it from the caller list.

```
 2/09  4:25PM
JOHN SMITH
555-1213
```

Subject: 1-Line Wireless Cordless Telephone System

Press [delete] to delete the caller data. The LCD displays:

```
Delete?
JOHN SMITH
555-1213
```

Press [delete] to confirm the deletion. The LCD displays:

```
Deleted!


```

3.6 Store a Caller Number into the Phone Book Memory

You may store a caller phone number from the caller list, into your directory memory.
The LCD shows the caller information, and you want to store.

```
 2/09  4:25PM
JOHN SMITH
555-1213
```

Press [format] key to select the mode what you want to dial out. The LCD will display:

```
 2/09  4:25PM
JOHN SMITH
1-555-1213
```

Press [format] key again to select the other mode what you want to dial out. The LCD will display:

```
 2/09  4:25PM
JOHN SMITH
533-555-1213
```

Or

```
 2/09  4:25PM
JOHN SMITH
15335551213
```

Or

```
 2/09  4:25PM
JOHN SMITH
555-1213
```

Subject: 1-Line Wireless Cordless Telephone System

Or

```
 2/09  4:25PM
JOHN SMITH
1-555-1213
```

After your selection, press [phone book] to select the phone book index. The LCD will display:

```
20 (Empty)
01>Uniden
02 Tecom
```

Press [up/down] to select your index:

```
05 (Empty)
06>TOM JACKSON
07 (Empty)
```

Press [enter] key to confirm the selection, the LCD display:

```
Replace Memory?
 Yes?
>No?
```

Press [up/down] to select [Yes] item. And press [enter] to confirm the storing into memory.
You will hear confirmation beep and return to the Caller ID retrieve mode.

```
 2/09  4:25PM
JOHN SMITH
555-1213
```

Note:
1. If the memory is empty, the selection screen will be skipped. And store into the memory directly.
2. If the caller ID without the number, the Caller ID information won't be stored into the phone book

4. Caller ID on Call Waiting (Type II Call ID)

This is a telephone service that identifies a waiting caller without interrupting your current call.
This feature gives you the informed choice of whether or not to take the incoming call.
The operation is the same as the normal operation. Please see the example below:

Suppose that you are talking. The LCD displays:

Subject: 1-Line Wireless Cordless Telephone System

```
Talk mm:ss
15335551234
```

After hearing a short CPE Alert Signal (CAS), the LCD will display the new incoming Caller ID automatically.

```
Talk mm:ss
JOE BLACK
555-2468
```

NOTE: This system doesn't provide the MEI (Multiple Extension Interworking) function.

5. Message Waiting

Your telephone company may send a "Message Waiting" signal to you. You can retrieve the messages through your telephone company. The LCD will display:

```
Ring:Medium
ID:3
Message Waiting
```

To delete the display of the Message Waiting, press **[hold]** key. The LCD will display:

```
Delete?

Message Waiting
```

Press [delete] to confirm the deletion. The LCD will display:

```
Ring:Medium
ID:3
CID:New 12 of 36
```

Note:
1. The message waiting indication is for the whole system, it means that someone deletes the "message waiting" indicator on his own handset, the other handsets won't show the indicator any more. The other users won't see the indication after the deletion. When the system receives the "message waiting" indicator again, it will be shown again.
2. The system just provides FSK signal detection only, it won't detect the Stutter Dial Tone.

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Notice

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device nay not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.

----- END -----