

The provided applicable certification jacks USOCs for the equipment may refer to ATIS Technical Report No. 5 for a complete listing of all possible jack configuration and their designations is RJ11C. A TIA/EIA-IS-968 compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack that is also TIA/EIA-IS-968 compliant.

FCC Registration and Repair Information

This telephone product has been registered with the Federal Communications Commission (FCC) in accordance with Part 68 of its rules. The FCC requires us to tell you the following information.

1. Connection and use with the nationwide telephone network

An FCC compliant telephone cord and modular plug is provided with this product. This product is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. See Installation Instructions in the user's manual.

This equipment may not be used with Coin Telephone Lines or with Party Lines.

2. Notification to the telephone company

Upon request of your local telephone company, you are required to provide them with the following information:

- a) The "line" to which you will connect the telephone equipment (that is, your phone number), and
- b) The telephone equipment's FCC registration number and ringer equivalence number (REN). These numbers are on the back or bottom of your telephone equipment. The REN is useful to determine how many devices you may connect to your telephone line and still have them ring when you are called. In most, but not all areas, the sum of all RENs should be 5 or less. You may want to contact your local telephone company for more information.

3. Repair instructions

If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC.

4. Rights of the telephone company

If this telephone product is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. If possible, the telephone company will notify you before interrupting

service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and you will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. Such changes are planned, you will be notified.

5. This telephone is compatible with inductively coupled hearing aids. (Note: This applies only if this product is equipped with a corded or cordless handset.)

Interference Information: Part 15 of FCC Rules

Some telephone equipment generates, uses, and can radiate radio-frequency energy and, if not installed and used properly, may cause interference to radio and television reception.

This product has been tested and found to meet the standards as specified in Part 15 of the FCC Rules. These specifications are designed to provide against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this product causes interference to radio, VCR or television reception when it's in use, you might correct the interference with any one or all of these measures:

- Where it can be done safely, re-orient the receiving television, VCR or radio antenna.
- To the extent possible, relocate the television, VCR, radio, or other receiver with respect to the telephone equipment.
- If this telephone product runs on AC power, plug your product into an AC outlet that's not on the same circuit as one used by your radio, VCR or television.

Modifications to this product, not expressly approved by the manufacturer, could void the user's authority to operate the equipment.

SAVE THESE INSTRUCTIONS

Especially About Cordless Telephones

Privacy: The same features that make a cordless phone convenient create some limitations. Telephone calls are transmitted between the base and the handset by radio waves, so there is a possibility that your cordless phone conversations could be intercepted by radio receiving equipment within range of the cordless handset. **For this reason, you should not think of cordless phone conversations as being as private as those on corded phones.**

Automatic Security Coding: Every time you place the handset in the base, this phone randomly selects one of 65,000 possible security codes-much like an electronic password. With this Automatic Security Coding, the handset and base can recognize each other automatically, minimizing the chance that another cordless phone will use your telephone line.

Electrical Power: The base unit of this cordless telephone must be connected to a working electrical outlet. The electrical outlet should not be controlled by a wall switch. **Calls cannot be made from the handset if the base unit is unplugged or switched off, or if the electrical power is interrupted.**

Potential TV Interference: Some cordless telephones operate at frequencies that may cause interference to TVs and VCRs. To minimize or prevent such interference, do not place the base unit of the cordless telephone near or on top of a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference. (Applies to 25 channel cordless phones only.)

Rechargeable Batteries: The rechargeable battery contains nickel and cadmium. Do not burn or puncture the battery. Like other batteries of this type, if it is burned or punctured, it could release toxic material which could cause injury. The RBRC™ Seal on the nickel-cadmium battery (or battery pack) contained in this product indicates that Lucent Technologies is voluntarily participating in an industry program to collect and recycle these battery packs 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 (or battery packs) into the trash or municipal waste stream, which is illegal in some areas.

You may also contact your local recycling center or call 1-800-8 BATTERY for information on where to return the spent battery pack. Lucent's involvement in this program is part of its commitment to protecting our environment and conserving natural resources.

Service can be obtained at :
INNOVATIVE INTEL.COM INDUSTRIES
3839 Constellation Rd., Suite C,
Lompoc, CA 93436, USA
Tel: (805)733-7312 ; Fax: (805)733-7314

INTRODUCTION

Congratulations to you on the choice of our cordless telephone. This cordless telephone includes the base unit, The handset and a power adaptor. As the advanced technology of micro compute controller and the combo chip, It will provide safety and comfortable service for you. In order to use this telephone freely, please read this manual thoroughly before installation and operation.

SAFETY INSTRUCTIONS

When using the phone, please make sure it is away from electric arcs and sparks.

1. Please read this manual carefully.
2. Please use dry cloth to clean this product in stead of liquid or aerosol cleaners.
3. Do not keep it in humid areas.
4. Please put it in flat surface.
5. Keep it in areas where proper ventilation is provided.
6. Do not put any thing on the power adaptor.
7. Do not make the power line over-loading.
8. Please do not repair it by yourself.
9. Under the following circumstance, please do not keep using your phone. You should contact the dealer as soon as possible. If power cord was damaged; If the phone was exposed to rain; If the phone does not work normally.
10. Do not use this product if there is gas leak.

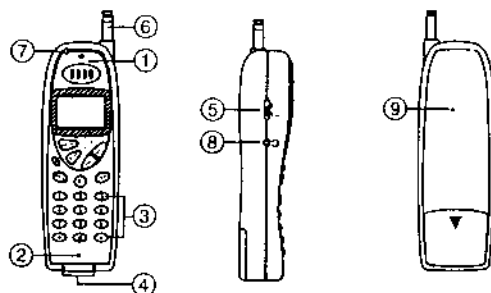
FEATURES

1. Pulse/Tone
2. DTMF & FSK dual system CALLER ID up to 80 memory (Optional)
3. Digital volume adjusting
4. LCD contrast adjusting
5. Key tone setting and adjusting
6. Lighted keypad (Optional)
7. In-use indicator
8. Time setting function
9. PAGE function
10. Long-distance call control (Optional)
11. 64,000 sets of auto security codes prevents unauthorized use of your telephone line by other telephone users
12. Auto answer and disconnection when pick up or return handset to the base unit
13. Detecting warnings for out of range and auto switch-off
14. 26-memory speed dialing
15. Review and Redial 32 sets of outgoing calls
16. IP storage up to 62 digits for toll saving call
17. Preset dialing function

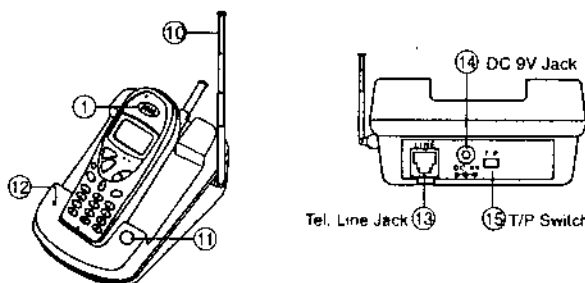
18. Battery low indication

FUNCTION INTRODUCTION

1. Receiver
2. Microphone
3. Keypad
4. Charging plates
5. RINGER switch (HIGH/LOW)
6. Antenna (handset)
7. IN USE indicator (it lights constantly when using and flashes) when there is a call
8. Earphone jack
9. Ringer buzzer



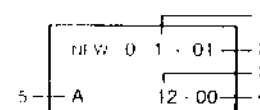
10. Antenna (base unit)
11. Page button
12. IN USE/CHARGE indicator (LED is constantly ON when charging; LED flashes when there is a call)
13. Telephone line jack
14. Power jack
15. TONE/PULSE switch



LCD ILLUSTRATION

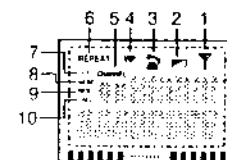
1. In standby mode
- 1) Month

- 2) Date
- 3) Hour
- 4) Minute
- 5) A=Am P=Pm



2. Other function mode

- 1) Out of range indicator
- 2) Low battery indicator
- 3) In use indicator
- 4) VIP icon
- 5) CHANNEL display
- 6) REPEAT icon
- 7) Outgoing call icon
- 8) Storing MEMORY icon
- 9) New call icon
- 10) Total call icon



FUNCTION KEY

1. TALK button

2. F (Flash) button

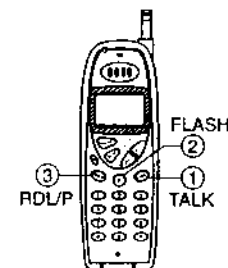
- In "TALK" mode, it used as FLASH button.
- In standby mode, to switch between "CALL", "OUT" or "MEMO." memory group.

3. RDL/P

- It can be used as the REDIAL key in "TALK" mode.
- When during dialing, this button can be used as "PAUSE"
- In review calls, you can press this button to review the date and time

4. "IP" button

- Toll saving call memory key up to 62 digits.
- In setting mode, each pressing of this button will exit operating mode and return to standby mode.



5. "SCAN" button

- In standby mode, press and hold the "SCAN" button for 3 seconds to enter advanced setup.
- In standby mode, press "SCAN" key to store or to delete stored message phone number.
- In "TALK" mode, it used to change a new clear channel.

6. "PROG" button

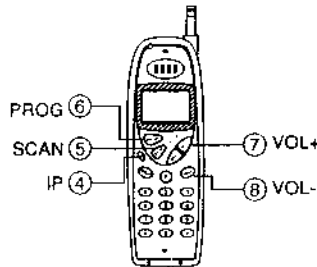
- In standby mode, press and hold this button for 3 seconds will enter to advanced setup mode.
- In standby mode, it can be used to store the telephone number in memory zone.

7. "VOL+" button

- During conversation, you can use this button to increase the receiver volume.
- This button can be used as the "UP" button to set the time or review messages.

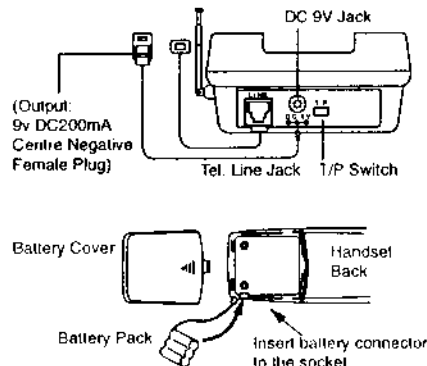
8. "VOL-" button

- During conversation, you can use this button to reduce the receiver volume.
- In standby mode this button can be used as the "DOWN" button to set the time or review messages



INSTALLATION

1. Inserting the rechargeable battery to the battery compartment of the handset and have it charged at the base unit for at least 15 hours (if using for the first time). Please note the correct direction and polarity.



2. Code Learning

Place the handset on the base unit. If the "CHARGE LED" on the base unit lights up with one long sound of "beep" is made by the handset, then the "Code learning" is successful.

3. Receiving telephone calls with the handset

- If there is call, you can pick up the handset and begin talking easily.

4. Dial telephone number with handset

- Press "TALK" and check if LCD shows "USE", then the line is connected.
- The telephone number you dialed will be shown on the display.
- You can disconnect the line by pressing the "TALK" button again or return it to the base.
- When the handset is not connected to the telephone line, it will make a sound of "wu", and it will show "FAIL" to indicate that maybe there is interference nearby or you are too far away from the base unit. If above-mentioned points does really exist, please approach to the base unit and turn it on again or dial the phone number later.

Note: When you are setting various functions blank of key pressing more than 3 seconds, it will exit the setup mode automatically.

OPERATION

1. Time Setting

- Press and hold the "SCAN" button for 3 seconds to enter the setting mode, the month digit will flash.
- Press the "RDL/P" button to set the date, hour and minute separately. Then press the "VOL+" or "VOL-" to adjust the month, date, hour and minute digit.

2. Auto Channel Scan

- The handset can scan a clear channel automatically and work in that channel scanned.
- During conversation, you can press "SCAN" to change to another channel if you encounter an interference noise. If the noise is still loud, you should approach near to the base unit, or it will disconnect automatically.

3. Preset Dialing Function

- Enter the telephone number (up to 32 digits) and digit will be shown on the LCD for last 13 digit. (You can delete the last digit one by one by pressing the "SCAN" button; pressing and holding the "SCAN" button 3 seconds will delete all the number, the pressing of the "IP" button will exit operation.
- Press the "TALK" button, the handset will connect the line and dial automatically.

4. Storing Telephone Numbers

- In standby mode, enter the telephone number you want to store.
- Press the "PROG" button. If the handset make a sound of

"wu", then the number has been stored into the memory zone successfully.

- You can store up to 26 sets telephone number. If the memory zone is full, it will make one long sound of "wu". And you should delete the useless stored numbers to spare the room for new numbers.

5. Dial the Stored Telephone Number

- 1) Press the "F" button in standby mode. (You will see the "MEMO" icon and the first memory number on LCD.)
- 2) Press the "VOL+" or "VOL-" to scan to the memorized number you want to dial. Also you can press "RDL/P" to set that number to be VIP number ON or OFF
- 3) Press the "TALK" button, it will dial out that number automatically.

Note: There is another way for recalling memory numbers as follows.

At "TALK" mode, you can press different times of "PROG" to recall memory dialing.

- 4) Press the "PROG" button and any number of one digit on the numerical keys (1-9, 0), then you can dial the memory number from "1" to "10".
- 5) Press "PROG" twice and numerical keys (1-9, 0) for recalling memory location from number "11" to number "20"
- 6) Press "PROG" for 3 times and numerical keys (1-6) for recalling memory location from number "21" to number "26".

6. Telephone CALLER ID Function (Optional)

There are 80 CALLER ID memories (20 digits) Caller identification (ID) service is subject to your local phone company availability. Also you have to subscribe this kind of service from phone company. Please consult phone company for details if necessary. To operate following at standby mode:

- 1) Press the "F" button once, to see a "CALL" icon and press "VOL+" & "VOL-" to review CALLER ID messages.
- 2) Press the "RDL/P" button to check the time.
- 3) Press the "VOL+" and "VOL-" buttons to review messages. The latest messages will be shown first.
- 4) Press the "SCAN" button, you can delete messages you found. If pressing and holding it for 3 seconds, then you can delete all messages.
- 5) Press the "PROG" button, it will copy the phone number you found into the memory zone.
- 6) If you need dial the telephone number you found, press the "TALK" button on the handset and it will be dialed automatically.

The caller ID not provide a call back function, as the telephone company may send the caller telephone with incomplete area code or without area code such that the call back from the "CALL" memory may not dial correctly. For example:

The area call "02" the telephone number "777-5655" The complete dialing should be "02-777-5655", but the message you received may only "2-777-5655". the alternative, we suggest that you may copy the "CALL" caller telephone number into "MEMO" and edit to the correct number for future speed dialing.

- 7) If you do not operate it within 3 seconds, it will exit to enter standby mode automatically.

7. Last 32 dialed numbers radial

- 1) Press the "F" button twice to review the number you dialed, "OUT" icon will be shown on the handset LCD. If pressing the "RDL/P" key, it will show the conversation time. You can review messages by pressing the "VOL+" and "VOL-" buttons.
- 2) Press the "SCAN" button to delete the reviewed messages. If you press and hold this button for 3 seconds, the message will be deleted.
- 3) Press the "PROG" button to copy the telephone number into the memory zone.
- 4) Press the "TALK" button, you can dial the telephone number you found.
- 5) The handset will exit this mode if no any key is pressed within 3 seconds.

8. Volume Control for Handset

- 1) During conversation, you can press the "VOL+" and "VOL-" to adjust the volume.
- 2) There are 7 volume levels.

9. Battery Low Indicator and Auto Switch-off Protecting Mode

- 1) If the battery power is low the handset will make warning sounds of "wu, wu" and the battery icon will be shown on the LCD.
- 2) When the handset detect the low battery, it will sound warning and turn off automatically. At this time it does not work even if you press any key. You should replace handset to the base unit for recharging.

10. Page Function

- 1) Press the "PAGE" button at the base unit to make a call to the handset
- 2) If it succeed in calling the handset, then the internal calling tone will be sounded.
- 3) You may cancel your call by pressing "PAGE" again. The unit will exit calling if there is no answer within 15 seconds.

11. "IP" Phone Number Stroing and Dialing

Note: You can only store one "IP" telephone number up to 62 digits for any long distance toll saving call, credit card calling or IP card in this location.

• Storage Function

Press and hold the "IP" button until enter STORE mode. Then enter the number you want to restore, include "PAUSE" can be saved into memory; Finally press the "PROG" button to store the number.

• Dial Function

When the handset is in "TALK" mode, press the "IP" button and the stored number will be dialed.

Note: Please don't press "IP" button during any telephone memory recall (out of "CALL", MEMO" or "OUT") and press "TALK" to dial out, it may result the unit all memory data lost and function hang down. If it does happen to you, try to press " TALK" again to hang up the phone and re-try normal operation again.

12. Out of Range Alarm

- 1) The handset will make sounds of "wu, wu" continuously if it is too far away from the base unit. Please go near to the base.
- 2) If you continue to be out of range for more than 30 seconds, the line may disconnect. And you may not be able to turn off the handset. Please check to make sure the base unit at on hook status (not in use). Then press and hold the "TALK" button for about 3 seconds to force the handset to turn off.

ADVANCED SETTING

To enter advanced setting mode

- 1) Press "PROG" button for about 3 seconds.
- 2) Continue press "F" key to select following "A-E" function setup
- 3) Press "VOL+" or "VOL-" to choice the setting.
- 4) After complete all setting press "PROG" again to save setting

Note: Setting mode will automatically exit without saving, if without any key pressed for more than 3 seconds.

- 1) "0" represents "OFF"
- 2) "1-15" includes 15 kinds of music mode.

A. LCD contrast setup.

There are 3 kinds of contrast for you to choose, LCD 1-3 indicate light to dark.

B. Key tone setup (Display "BEEP")

- 1) "0" represents no key tone.
- 2) "1" is single tone. (Default)
- 3) "2" is dual tone.
- 4) "3" is music tone.

C. Normal ringer setup (Display "RING")

There are 16 kinds of ringer mode for you to choose Default at "1"

- 1) "0" represents ringer off.
- 2) "1-15" includes 15 kinds of ringing tone.

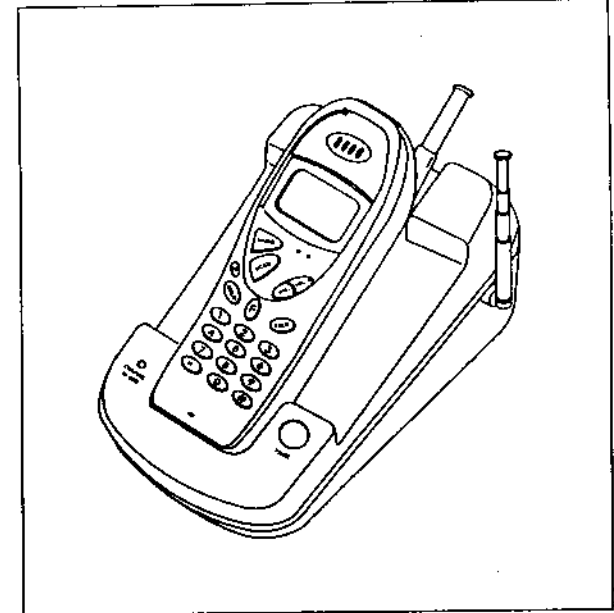
- D. VIP ringer setup (Display "iPo")
There are 16 kinds of ringer mode for you to choose. Please choose different from normal ringer.
1) "0" represents "OFF"
2) "1-15" includes 15 kinds of tone.
- E. Internal page tone (Display "INT")
There are 16 kinds of ringer mode for you to choose. default at "3"

TROUBLESHOOTING GUIDE

1. If the Handset is too far away from the base Check the base unit to see if the antenna is pulled out completely.
2. No CALLER ID messages display
Please confirm that if you apply for this kind of service from local phone company.
3. No ringer
Check if the RING ON/OFF switch is set to "ON".
4. Can not turn off the handset
The handset is too far away from the base unit, please approach the base unit as near as possible and pull out its antenna to the greatest length and try again. If the base does turn off press and hold "TALK" at handset until it turn off.
5. The phone is designed by CPU microcontroller to provide more features in one handy unit. However, in some cases such mis-operation or insufficient resources backup, the CPU may hang down and the display will be freezed, all keys may locked. If it is happen to occur, please open the battery cover and take off Battery to wait about 30 seconds to restore the battery again, and the unit can be reset to normal condition, but the memory in the "OUT" "CALL" and "MEMO" may be lost.

CORDLESS TELEPHONE WITH CALLER ID LCD DISPLAY

MODEL 650D



OWNER'S MANUAL

611-650D1-0xx