

TO= TOMMY LEUNG
FR= PATRICK TANG

FF915 (XXX) FOR TAFENG
UNIT. FCC PART 68/15
FILING.
THANKS!

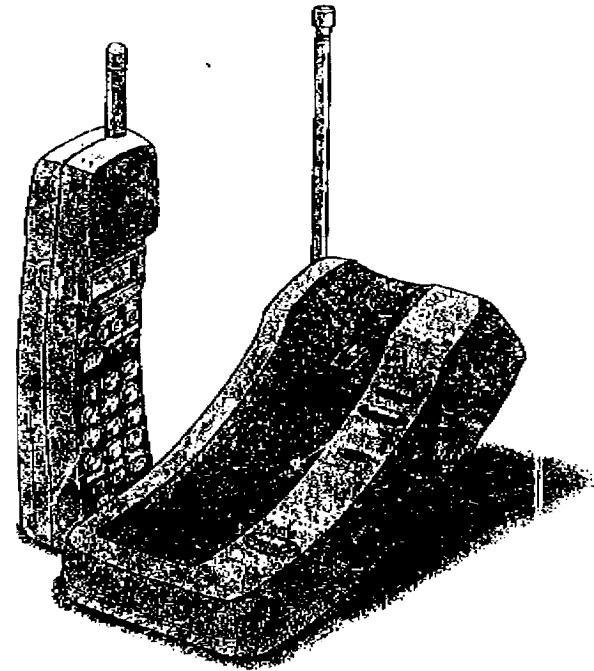
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Southwestern Bell
Freedom Phone®

900MHz
Cordless Telephone



FF915S Owner's Manual

Toll-Free Help Line 1-800-366-0937

<http://www.swbfreedomphone.com>

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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 cleaners or aerosol cleaners. Use damp cloth for cleaning.
4. Do not use this product near water; for example, near a bathtub, washbowl, 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 to it.
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. This product should not be placed in a closed compartment unless proper ventilation is provided.
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 walking on it.
9. Do not overload wall outlets or 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 this product.
11. To reduce the risk of electric shock, do not disassemble this product. Instead, when some repair work is required, take the unit to a qualified 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 cabinet has been damaged.
 - f. If the product exhibits a distinct change in performance.
13. Avoid using the telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

SAFETY INSTRUCTIONS FOR BATTERIES

CAUTION

To reduce the risk of fire or personal injury, read and follow these instructions;

CONTAINS NICKEL-CADMIUM BATTERY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.



1. Use only a **Southwestern Bell Freedom Phone®** battery pack in the handset of your cordless telephone.

HANDSET:

3N-600AAL 3.6V 600mAh SANYO Electric Co., Ltd or GP60AAS3BMX 3.6V 600mAh GPI INTERNATIONAL LIMITED.

2. Do not dispose of the battery in a fire, as it may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes and 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 conduction material 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. Observe proper polarity orientation between the Battery Pack and battery charger.

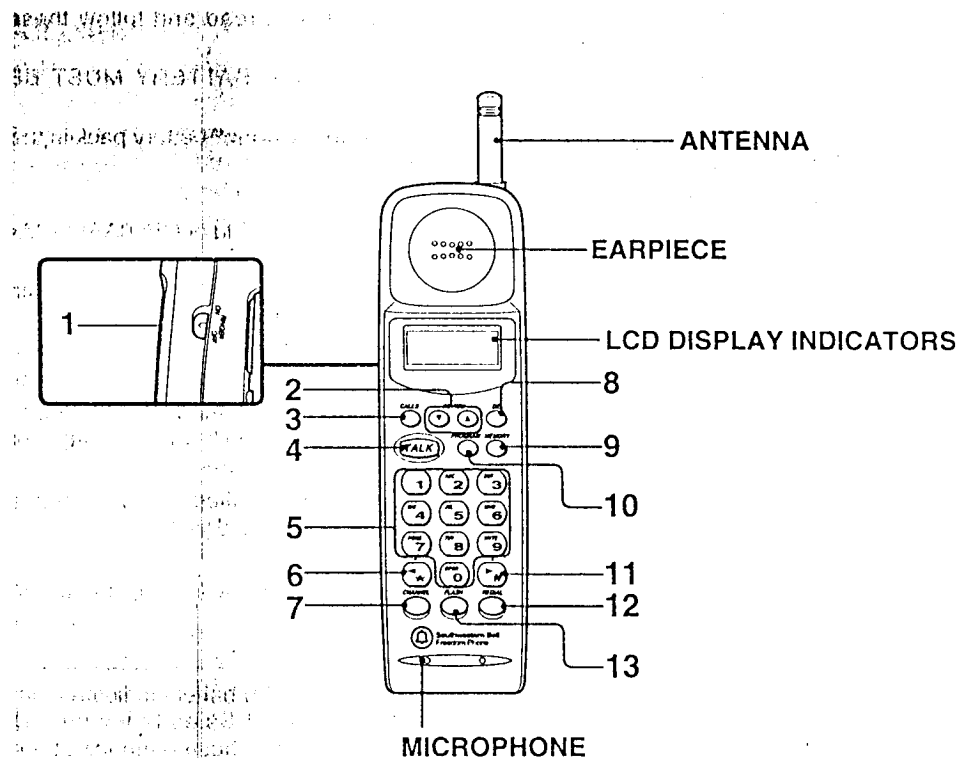


The RBRC™ Seal on the nickel-cadmium (Ni-Cd) battery indicates that **Southwestern Bell Freedom Phone®** Retail Sales is voluntarily participating in a program to collect and recycle these batteries at the end of their useful life, when taken out of service within the United States. Please call the RBRC™, toll-free at 1-800-8-BATTERY or contact your local recycling center for information on where to return the spent battery.

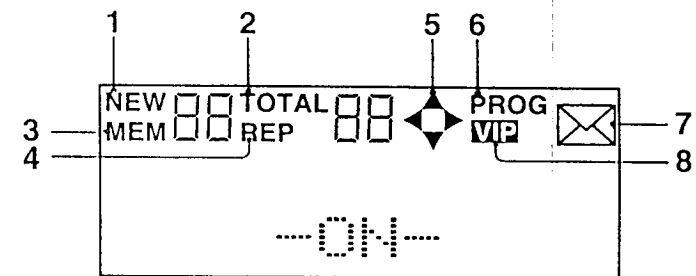
RBRC™ is a trademark of the Rechargeable Battery Recycling Corporation.

NAME OF CONTROLS AND INDICATIONS

HANDSET CONTROLS, INDICATORS



LCD DISPLAY INDICATORS



- 1.NEW: indicates the number of new caller ID data items that has not been reviewed
- 2.TOTAL: indicates the total number of stored ID data items
- 3.MEM: indicates the unit is in memory dial programming mode or memory dial dialing mode
- 4.REP: indicates how many phone calls have been made from the same telephone number
- 5.Arrow icon: indicates which arrow buttons can be used
- 6.PROG: indicates the unit is in programming mode
- 7.✉: indicates that mail box in central office has a message
- 8.VIP: indicates that priority ringer has been set for the displayed number

LCD BACK LIGHT

The LCD is back lit under the following conditions:

1. While receiving an incoming call (during ringing).
 2. For 10 seconds, when the handset is picked up from the cradle.
 3. For 30 seconds, when any button is pressed in the programming mode, Caller ID review mode or stored number review mode.
 4. For 10 seconds, when any button is pressed in any mode other than those listed above.
- * The LCD back light goes off as soon as the talk mode is terminated by pressing the TALK button or by replacing the handset on the base unit.

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, Ringer Equivalence number (REN) and the Universal Service Order Code (USOC), which is RJ-11C, 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 RENs 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 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.

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.

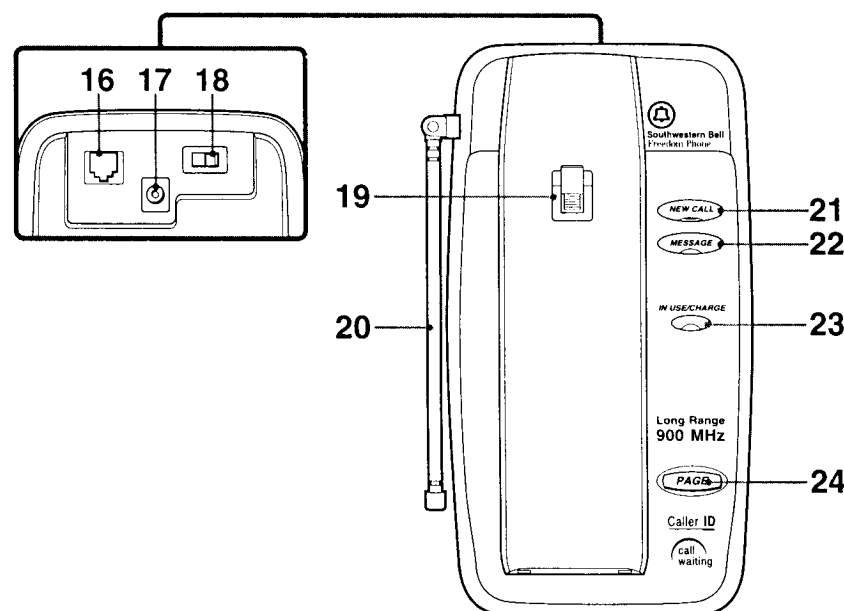
NOTE

This equipment has been tested and found to comply with the limits for 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. Some cordless telephones operate at frequencies that may cause interference to nearby TV's and VCR's. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR; and, if interference is experienced, moving the Cordless Telephone farther away from the TV or VCR will often reduce or eliminate the interference. NOTICE TO 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.

HEARING AID WEARERS: This Cordless Telephone has been registered with the FCC as hearing aid compatible.

BASE UNIT CONTROLS AND INDICATORS



16. **TEL. Line:** connect the telephone cord here

17. **DC IN:** connect the AC adapter cord here

18. **PULSE/TONE:** sets the unit to pulse or tone dialing

19. **HOOK**

20. **ANTENNA**

21. **NEW CALL:** flashes to indicate there are calls that have not yet been reviewed

22. **MESSAGE:** starts flashing when the mail box in central office contains a message

23. **IN-USE/CHARGE:** Lights when handset is on the cradle and the battery is being charged

Lights when the handset is in the Talk mode

Flashes when an incoming call is received

Flashes once when the ID code between the base unit and the handset is reassigned

24. **PAGE:** used to locate the handset

INTRODUCTION

ABOUT THE FF915S

The FF915S is a 900 MHz Cordless Phone with Caller Identifier. It is designed and engineered to exacting standards for reliability, long life, and outstanding performance.

FEATURES

- Caller ID (99 call data memory locations) with call waiting
- 40 Channels (auto or manual selection)
- Multi LCD on the handset with three-language selection
- 20-Number Two-touch Dial Memory
- Direct dialing from caller list
- Long battery life (14-day standby)
- Digital security coding

The FF915S features include AutoTalk™ and AutoStandby™. AutoTalk™ allows you to answer a call by just removing the Handset from the Base so you don't have to waste time pushing buttons or flipping switches. AutoStandby™ allows you to hang up by simply returning the Handset to the Base.

The UltraClear Plus™ true compander circuitry virtually eliminates background noise. This innovative technology, together with 40 different channels, provides you with the best possible reception during all your conversations.

TO PROTECT YOU AGAINST MISBILLED CALLS, THE FF915S HAS RANDOM CODE™ DIGITAL SECURITY WHICH AUTOMATICALLY SELECTS ONE OF OVER 65 000 DIGITAL SECURITY CODES FOR THE HANDSET AND BASE UNIT. ALSO, THE AUTOSECURER™ FEATURE ELECTRONICALLY LOCKS YOUR PHONE WHEN THE HANDSET IS IN THE BASE. TO GET THE MOST FROM YOUR FF915S PLEASE READ THIS OPERATING GUIDE THOROUGHLY.

WHAT'S INCLUDED WITH YOUR FF915S

FF915S base unit

FF915S handset

Owner's manual (including Battery Safety Warning)

Memory card

Long telephone cord*

Short telephone cord*

AC adapter**

Desk/Wall Mounting Bracket

Quick reference guide

Registration card

* US type modular plug at both ends of 6-foot cord and 6-inch cord.

** Detachable type with DC plug at the end of 6-foot cord.

If any of these items are missing or damaged, contact your place of purchase.

English
INTRODUCTION

INSTALLATION

INSTALLING YOUR FF915

Selecting the Installation Location

Select a location for the FF915 that avoids excessive heat or humidity (as in a kitchen or bathroom). The Base Unit of your FF915 can be placed on a desk or tabletop near a standard 120 V AC outlet and telephone line jack, mounted on a standard AT&T or GTE wall plate, or mounted directly on the wall. Keep the Base Unit and Handset away from sources of electrical noise (motors, fluorescent lighting, etc.).

Connecting the Telephone Line

There are three types of phone outlets:

- Modular
- 4-prong jack
- Hard-wired

Modular Jack

Plug the telephone line cord from the Base Unit into a standard modular telephone jack. If you do not have a modular jack, contact your local telephone company for information on the installation of these jacks.

4-Prong Jack

An adapter (not included) is required. The adapter plugs into the 4-prong jack and the telephone line cord plugs into the adapter.

Hard-wired Jack

A modular jack converter (not included) is required. You may need to rewire when connecting the converter (making color-coded connections).

* Your Southwestern Bell Freedom Phone® dealer or a telephone supply store can advise you on the proper adapter or converter.

CAUTION

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations, unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

Desk or Table Installation

1 To connect Desk/Wall mount bracket in the desk/table position, simply align the bracket with the bracket slots on the base until it is securely in place.

2 Plug the AC adapter cord into the 9V DC input jack on the Base Unit.

NOTE

Place the AC adapter cord inside the molded strain-relief.

3 Plug one end of the long telephone cord into the TEL LINE jack on the Base Unit.

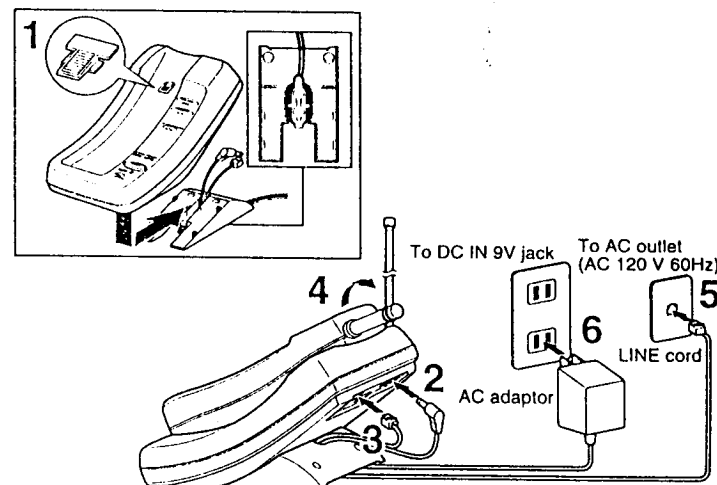
4 Raise the antenna on the Base Unit.

5 Plug the other end of the telephone cord into the telephone wall jack.

6 Plug the AC Adapter into a standard 120 V AC wall outlet.

NOTE

Use only the AC Adapter supplied with the FF915.

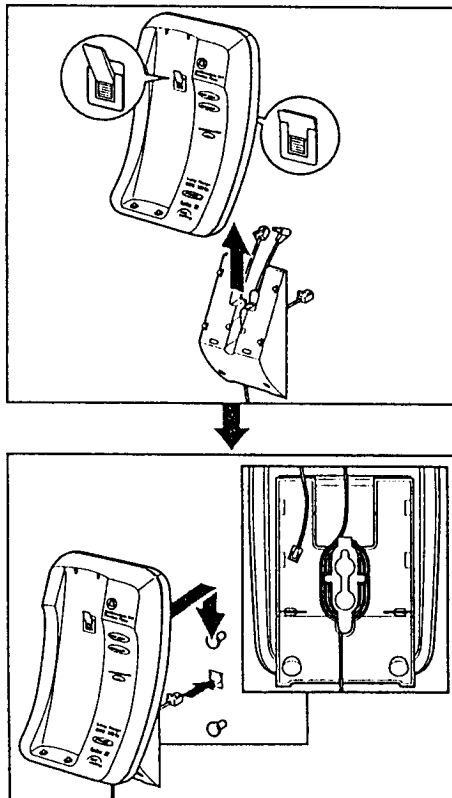


Place the telephone and power cords where they will not create a trip hazard, or where they could become chafed and create a fire or other electrical hazards.

WALL MOUNTING

The FF915 may be mounted on a wall phone plate or onto two screws (not included) that you fasten to the wall. For either type of installation, complete the following steps first.

- 1** In case of using the standard wall plate, this step is not necessary.
Place the Desk/Wall bracket on the wall and mark the location of the screws. Install the screws leaving 3/16" extending out from the wall. Use anchors to secure screws.
- 2** To connect the Desk/Wall bracket in the wall mount position, simply align the bracket with the slots on the base until it is securely in place.
- 3** Insert the AC adapter into the back of the unit.



- 4** Plug one end of the short telephone line cord into the TEL LINE jack on the Base unit.
- 5** Thread the adapter cord and telephone cord line through the grooves in the back of the unit. The cord will exit from the bottom.
DO NOT CONNECT THE AC ADAPTER TO THE WALL POWER OUTLET YET.
- 6** Plug the other end of the line cord into the wall jack.
- 7** Mount the phone on the wallplate studs and gently press until the unit locks in place.
- 8** Plug the AC adapter into the power outlet.

REPLACING THE BATTERY PACK

NOTE

Always return the handset to the base when you replace the Battery Pack. The channel and ID codes are cleared when the battery pack is removed making it impossible to further use the cordless telephone. The two touch dial memory and Caller ID memory are stored in the Handset EEPROM and are not affected.

To install or replace the rechargeable battery in your phone, follow these steps:

1 Remove the Handset battery cover.

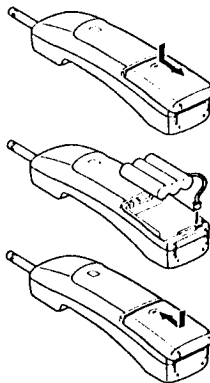
2 Remove the old battery .

3 Plug the battery's cable into the Handset.

NOTE

The plastic connectors will fit together only one way. If you have difficulty, make sure the battery's connector is properly aligned.

4 Replace the battery cover.



For optimum battery performance

- Charge the new battery overnight before using your phone.
- Do not let the battery become fully discharged.
- Be sure to return the Handset to the base at night.

Charging the Handset

Place the Handset on the base to charge. In a desktop installation, the handset can either be placed face up or face down, but only face up in a wall mount installation.

Low Battery Indicator

When the Battery Pack in the Handset is low and needs to be charged, the self-lit TALK button flashes with an acoustical alarm. If this occurs while you are on the phone, you will also hear an acoustical alarm. Complete your call as quickly as possible, and return the Handset to the Base Unit for charging.

Allow 12 to 16 hours without any interruption for the Handset to fully recharge.

Cleaning the Battery Contacts

To maintain a good charge, it is important to clean all battery contacts on the Handset and Base Unit about once a month. Use a pencil eraser or other contact cleaner. Do not use any liquids or solvents.

OPERATING INSTRUCTIONS

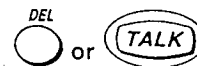
PRÉPARATIONS

DIAL MODE SWITCH

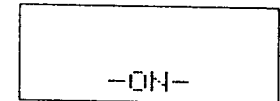
Set the DIAL MODE switch to TONE if you subscribe to a touch tone service, otherwise set it to PULSE. If you do not know which service you have, check with your local telephone company.

LANGUAGE SELECTION

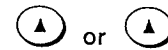
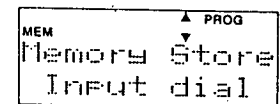
The unit offers a choice of three LCD display languages: English (the default value), French or Spanish. Follow the instructions given below to set your language choice.



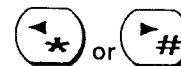
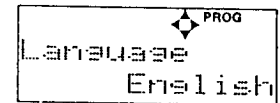
1 Hold down the DEL button for more than 2 seconds or press the TALK button twice to clear any displayed number and return to stand-by mode.



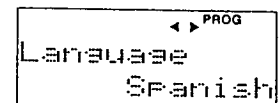
2 Press the PROGRAM button.



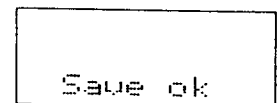
3 Press the ▲ button once or the ▼ button 3 times.



4 Press the ► or ◀ button to select the language.



5 Press the PROGRAM button again to store the new language. The display shown below will appear for 3 seconds. A confirmation tone will sound indicating that the selected language has been stored and the programming mode will be terminated.



OPERATIONAL DESCRIPTION

Item	English	French	Spanish
Stand-by display	NEW 88 TOTAL 88 -ON-	NEW 88 TOTAL 88 -EN MARCHÉ-	NEW 88 TOTAL 88 -ENCENDIDO-
Memory program mode display	MEM Memory Store Input dial	MEM Entrée Mémoire	MEM Guardar En Memoria
Save OK	Save ok	Enregistré OK	Guardar OK
Delete	Deleted	Effacé	Borrado
Contrast	Contrast 3	Contraste 3	Contraste 3
Receiver volume	Receiver vol. :Normal	Vol Recep Normal	Vol Receptor Normal
	Receiver vol. :Mid	Vol Recep Moyen	Vol Receptor Mediano
	Receiver vol. :High	Vol Recep Fort	Vol Receptor Alto
Language set	Language English	Langue Anglais	Idioma Inglés
	Language Spanish	Langue Español	Idioma Español
	Language French	Langue Français	Idioma Francés
Area code set	Area Code	Indicatif	Código Área

Item	English	French	Spanish
Contents page	New Call :14 Total :99	Nouveaux :14 Total :99	Nva Llam :14 Total :99
Clock display(AM)	NEW 88 TOTAL 88 6/30 AM11:45	NEW 88 TOTAL 88 6/30 AM11:45	NEW 88 TOTAL 88 6/30 AM11:45
Clock display(PM)	NEW 88 TOTAL 88 6/30 PM11:45	NEW 88 TOTAL 88 6/30 PM11:45	NEW 88 TOTAL 88 6/30 PM11:45
Edit display	NEW 88 TOTAL 88 Edit →AorV Erase→DELETE	NEW 88 TOTAL 88 M. A. J. →AorV Effacer→DELE	NEW 88 TOTAL 88 Editar→AorV Borrar→DELET
Paging	Pase	Prévenir	Localizar
Receive error	NEW 88 TOTAL 88 Not Received	NEW 88 TOTAL 88 Non Reçu	NEW 88 TOTAL 88 No Recibido
Low battery	Low Battery	Bat. Décharg.	Bateria Baja
All erase	NEW 88 TOTAL 88 Erase All? Press DELETE	NEW 88 TOTAL 88 Effacer Tout? Tapez DELETE	NEW 88 TOTAL 88 Borrar Todo? Derimir DEL
Private name	NEW 88 TOTAL 88 Private Name 123-456-7890	NEW 88 TOTAL 88 Nom Privé 123-456-7890	NEW 88 TOTAL 88 Nombre Priv 123-456-7890
Private No.	NEW 88 TOTAL 88 Private No.	NEW 88 TOTAL 88 Numéro Privé	NEW 88 TOTAL 88 Núm. Privado
Out of area	NEW 88 TOTAL 88 Out of area	NEW 88 TOTAL 88 Hors Zone	NEW 88 TOTAL 88 Fuera área

PLACING A CALL

Manual dialing



- 1 Pick up the handset and press the TALK button. The unit enters the talk mode and the self-lit TALK button lights.

- 2 Dial the number you are calling. The call duration time display will appear 10 seconds after dialing.

01:53



- 3 When you have finished the call, return the handset to the base unit, or press the TALK button to hang up.

Using the REDIAL button

The unit stores the last dialed number in memory. Numbers that can be redialed include any number up to 32 digits in length. This includes redialed numbers, the last number sequence in a chain dial and numbers dialed in temporary tone dial mode. You can automatically redial such numbers by performing the following steps:



- 1 Press the TALK button. The self-lit TALK button lights.



- 2 Press the REDIAL button.

NOTE

Numbers that are longer than 32 digits will clear the redial memory.

Direct dialing

- 1 In the standby mode, you have the following direct dial options: redial the last number called by pressing the REDIAL button, retrieve from the two-touch dial memory or retrieve from the caller list.

- If you press the wrong button when dialing the number, press the DEL button momentarily to clear the last entered digit.

- 2 Press the CALLS button to start dialing the number on the display.

For information on the different dialing methods, see Section, "USING THE REDIAL BUTTON" on page 20, Section, "TWO TOUCH MEMORY DIALING" on page 30 or Section, "DIALING FROM CALLER LIST" on page 34.

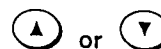
NOTE

The following actions will clear the displayed number:

- (1) No operation is performed for more than 30 seconds after entering the number.
- (2) The TALK button is pressed.
- (3) The DEL button is held down for more than 2 seconds.

Setting the receiver volume

You can set the handset receiver volume to one of three levels: Normal (the default setting), Mid or High. The volume control can be set only in the TALK mode.



- 1 Press the ▲ or ▼ button. Each press of the buttons changes the display as shown below.

This volume setting will last for the duration of the call. When you return the handset to the base unit or press the TALK button, the receiver volume will return to normal.

Receiver
vol. : Normal

Receiver
vol. : Mid

Receiver
vol. : High





Flash Button and call waiting

You can use your FF915 cordless telephone with special services such as Call Waiting (Special subscription from your local telephone company is required).

Simply press the FLASH button which puts the first caller on hold and connects you to the incoming call. Press the FLASH button again to return to the original call.

NOTE

In order to take advantage of this feature, you must subscribe for Caller ID service, Call Waiting service and Caller ID with Call Waiting service with your local telephone company. Some areas do not offer all of these features and some areas offer number only.

Temporary Tone Feature

If you live in a Pulse or Rotary dialing area and you use custom services, such as banking by telephone, telephone answering machines or any other service that requires Touchtone dialing, your FF915 can provide temporary tone. Follow the instructions below.

In the pulse mode, press the TALK button followed by the number dialed in the pulse setting. Then press the * button to change to temporary tone mode while you are dialing. When you complete your call, your FF915 will return to pulse dialing mode.



IN USE/CHARGE



ANSWERING A CALL

When you receive a call, the name and telephone number of the caller is shown on the LCD display.

When the handset is on the base unit

- 1 When the FF915 rings, remove the handset from the base unit.

The TALK button and the IN-USE/CHARGE LED at the base unit light, indicating that a connection has been made.

The call duration time display will appear 10 seconds after answering.

NEW TOTAL 32
Jack Thomson
555-1234

01:53

- 2 After you have finished the conversation, return the handset to the base unit, or press the TALK button.

When the handset is off the base unit

- 1 When the FF915 rings, press the TALK button.

The TALK button and the IN-USE/CHARGE LED at the base unit light, indicating that a connection has been made. The call duration time display will appear 10 seconds after answering.

- 2 After you have finished the conversation, return the handset to the base unit, or press the TALK button.



01:53

SETTING THE RINGER ON/OFF CONTROL

If you wish to turn off the ringer, set the ringer switch on the side of the handset to "OFF".

There are three types of rings:

- **Incoming call ring:** Two-tone ring synchronized with an incoming call signal.
- **Priority ring (VIP):** A different ring sound that allows you to distinguish the caller. To set this function, see the Section, "VIP (Priority Ring)" below.
- **Paging ring:** Single tone three short beeps. Press the page button for at least three seconds to extend the paging time to 30 seconds.

NOTE

The auto talk mode will work even when the ringer switch is set to OFF. The paging ringer will sound even when the ringer switch is set to OFF.

OUT-OF-RANGE ALARM

You are out of range and should move closer to the base unit when the following happens:

- You hear noise or static.
- Pressing the TALK button generates an error tone. (three short beeps)
- Pressing the CALLS button when a number is displayed on the LCD generates an error tone.
- You cannot receive an incoming call.

Selecting a different channel

The base unit will automatically search for the clearest channel in the standby mode. However, should you hear static or noise during the course of a conversation which makes it difficult to hear the caller, the CHANNEL button on the handset allows you to choose between 40 preset channels:

The TALK LED flashes to indicate the FF915 is changing to another channel.

TWO-TOUCH MEMORY DIALING

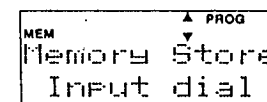
The two-touch dial memory has twenty memory locations that can each store one 16-digit telephone number and one 16-character name. In addition to telephone numbers that you often use, you can store special access codes required in chain dialing, such as banking transactions.

STORING NAMES AND TELEPHONE NUMBERS

Example Storing the telephone number 5551234 with the name Grandmother in location number 8.

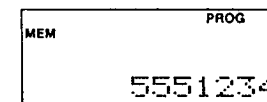


- 1** Press the PROGRAM button in the standby mode.



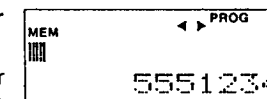
- 2** Enter the phone number.

- When more than 12 digits are entered, the first digit is shifted to the upper line.
- If a 17th digit is entered, the store mode will be terminated with an error tone.
- If you misdial, press the DEL button momentarily to clear the last digit.
- If required, pauses can be inserted between digits by using the REDIAL button.
- When a pause is inserted, the "P" is displayed.

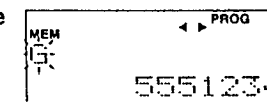


- 3** Press the PROGRAM button to enter the name editing mode.

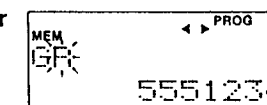
- If you do not want to enter a name for the number, press the MEMORY button in step 3 and continue from step 8 below.



- 4** Press the 4 button once to enter the first character "G."



- 5** Press the 7 button three times to enter the second character "R."



- 6 Enter the remaining characters in the same way while referring to the character entry list shown below.

NOTE

Two characters in sequence that are entered using the same number button must be separated by pressing the ► button. For example, to enter the "M" and "O" in GRANDMOTHER above, do as follows.

You can move the character entry position using the ◀ or ► button.

- (1) Press the 6 button to enter "M" at the 6th digit.

MEM ◀ ▶ PROG
GRANDMOTHER
5551234

- (2) Press the ► button.

The entered character "M" is lit and the flashing digit is moved to the 7th digit.

MEM ◀ ▶ PROG
GRANDM M
5551234

- (3) Press the 6 button 3 times to enter the "O" at the 7th digit.

MEM ◀ ▶ PROG
GRANDM O
5551234

NOTE

The name you enter can be no more than 17 digits. When you have entered more than seventeen digits, an error tone will beep and you will not be able to press any more digits.

- 7 Press the MEMORY button.

MEM ◀ ▶ PROG
GRANDMOTHER
5551234

- 8 Enter 2 digits (01~20) by number buttons to assign the location number where you want to store the telephone number.

- Note that a 0 must be added to the beginning of location numbers 1 to 9.
- If the data is stored in a location where data has already been stored, the old data will be overwritten by the new data.
- An error tone will be heard if you press an invalid button (a button other than 1-9 or 0).

MEM 08 ◀ ▶ PROG
GRANDMOTHER
5551234

- 9 One second after the operation in step 8, "save ok" will appear as shown for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

MEM 08 ◀ ▶ PROG
Save ok

The character list

Number of key strokes	Button No.1	ABC No.2	DEF No.3	GHI No.4	JKL No.5	MNO No.6	PQRS No.7	TUV No.8	WXYZ No.9	No.0
Once - (hyphen)	A	D	G	J	M	P	T	W	space	
Twice - (period)	B	E	H	K	N	Q	U	X	0	
3times - (comma)	C	F	I	L	O	R	V	Y	Null	
4times	1	2	3	4	5	6	8	Z	Null	
5times	Null	Null	Null	Null	Null	Null	7	Null	9	Null

DELETING THE DIAL MEMORY

PROGRAM
○

- 1 Press the PROGRAM button.

MEM ▲ PROG
Memory Store
Input dial ▼

MEMORY
○

- 2 Press the MEMORY button.

MEM -- PROG

OPER 0 and TUV 8

- 3 Press the number button for the memory location you want to delete.

MEM 08 PROG

- 4 One second after the operation in step 3, the display as shown appears for 3 seconds. A confirmation tone will be heard indicating that the selected number location was cleared and the programming mode will be terminated.

MEM 08 PROG
Deleted

VIEWING AND DIALING FROM THE DIAL MEMORY

MEMORY
○

- 1 Press the MEMORY button in the standby mode.

MEM -- ▲
▼

▲ or ▼

- 2 Enter the location number or, use the ▲ or ▼ button until you find the desired name and telephone number.

MEM 1 ▲
David Foster ▼
555-1234

CALLS
○

- 3 Press the CALLS button to connect the telephone and dial the number.

VIEWING LONG NAMES AND TELEPHONE NUMBERS

Names more than 12 characters and telephone numbers more than 12 digits cannot be viewed together. Do as follows to view such names and numbers.

MEMORY
○

- 1 Press the MEMORY button in the standby mode.

MEM -- ▲
▼

▲ or ▼

- 2 Enter the location number or press the ▲ or ▼ button until you find the desired name and telephone number.

MEM 1 ▲
MARIE ANTOIN ▼
567890123456

★ or #

- 3 Press the ► button once or the ◀ button twice to view the full telephone number.

MEM 1 ▲
1234 ▼
567890123456

★ or #

- 4 Press the ► button once more or the ◀ button twice to view the full name. You can return to the original display by pressing the (right scroll) ► button once more or the (left scroll) ◀ button twice.

MEM 1 ▲
MARIE ANTOIN ▼
ETTE

NOTE

The displayed dial number will be cleared from the display under the following conditions:

- (1) No operation is performed within 30 seconds after the number is displayed.
- (2) The TALK button is pressed.
- (3) The DEL button is held down for more than 2 seconds.

TALK

DEL
○

TWO-TOUCH MEMORY DIALING

MEMORY

- 1 In the talk mode, press the MEMORY button.

MEM --

OPER 0 ~ WXYZ 9

- 2 Select the desired location number by pressing the assigned number button to dial the number.

MEM 1
MARIE ANTOIN
567890123456

After 3 seconds, character will disappear and entered phone number will be dialed.

MEMORY

NOTE

- The location number has to be entered within 30 seconds of pressing the MEMORY button, otherwise an error tone sounds and the memory dial mode is canceled.
- If you press a number button for which no telephone number has been assigned, an error tone sounds and the memory dial mode is canceled.
- Any other numbers you may dial (including other numbers from the dial memory) are dialed after the last digit of the two-touch dial number.

VIP (Priority ringer)

This function allows you to recognize an incoming caller from the ringing sound by assigning a priority ringer to the designated telephone number from the two-touch dial memory as described below:

MEMORY

- 1 In the standby mode, press the MEMORY button.

--ON--

▲ or ▼

- 2 Enter the location number or press the ▲ or ▼ button to select the caller in the two-touch dial memory to which you want to assign a priority ringer.

MEM 1
Dave Jonson
1234567

PROGRAM

- 3 When you find the desired caller, press the PROGRAM button. the VIP icon on the LCD display will light. Three seconds after pressing the PROGRAM button the display will clear and go back to normal standby mode.
 - The above procedure can also be used to reset the VIP mode.

MEM 1
Dave Jonson
1234567

CALLER ID FUNCTIONS

This cordless telephone is compatible with the Caller ID and Caller ID Call Waiting service which are offered by most local telephone companies. For further information on these services, contact your local telephone company.

CALLER ID SERVICE

This service allows you to identify the caller before you answer the phone. The unit stores the last 99 callers' names, phone numbers and received date and time in the caller list. You can check the list anytime and call back any of the numbers. You can also store a number in the caller list to two-touch memory dial.

CALLER ID CALL WAITING SERVICE

Caller ID Call Waiting allows you to see who is calling even while you are on the line talking to someone else. When a new call comes in while you are talking, the LCD lights and the new caller's name and number appears on the LCD display.

JAMES STUART
555-1234

NOTE

There may be a slight break in the conversation (approx. 2.4 seconds) after you hear the call waiting tone. This occurs as a result of some telephone companies' Caller ID Call Waiting service.

MESSAGE WAITING

Your FF915 provides Message Waiting capability if you have subscribed to voice mail service from your local telephone company. The Message Waiting feature acts as a digital answerer, eliminating the need for an answering machine.

When you have received a call and a message has been placed into your Message Waiting service, the Message LED on the base unit will start flashing to notify you that you have a message. The "Envelope" icon on your LCD screen will appear, notifying you that you have a message waiting.

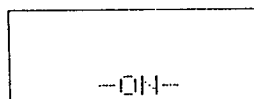
Follow your telephone company's instructions to obtain your messages.

AREA CODE SETTING

When your local area code is set, the caller ID number of a local call will be displayed and stored without the area code. This means that you do not have to remove the area code before storing the number or calling back. Enter the area code according to the following instructions.



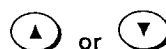
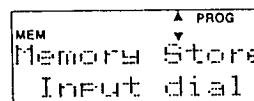
- 1 Hold down the DEL button for more than 2 seconds or press the TALK button twice to clear any displayed number and return to standby mode.



PROGRAM



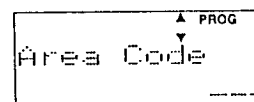
- 2 Press the PROGRAM button.



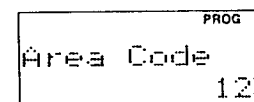
- 3 Press the ▲ button twice or the ▼ button twice.

(Once you enter an area code, the previously set number will appear. If you do not want to change, hold down the DEL button more than two seconds to terminate the programming mode.)

(Default value: no area code is set)



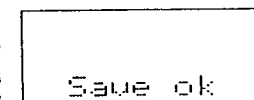
- 4 Use the number buttons to enter the area code.



PROGRAM



- 5 Press the PROGRAM button again to store the area code. The display shown below will appear for 3 seconds. A confirmation tone will sound indicating that the entered area code has been stored and the programming mode will be terminated.

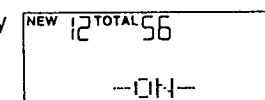


USING THE CALLER LIST

When a call is received, the name, telephone number and the received time and date of the call are stored in the caller list. This list stores data for a total of 99 calls (with a maximum of 12 digits and 16 characters). The new call symbol on the LCD display lights when there is data for calls in the caller list that has not yet been viewed.

TO VIEW THE CALLER LIST

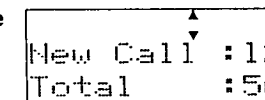
Perform the following operation in standby mode.



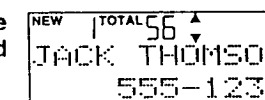
CALLS



- 1 Press the CALLS button to display the caller list.



- 2 Press the ▲ button to view the information for the latest received call.



- Another press of the ▲ button will display the information for the call before the latest received call and so on.
- Press the ▼ button to view the oldest caller data. Note that you cannot view already reviewed call data until all the new call data has been viewed.
- When a caller makes repeated calls, the REP icon (instead of the TOTAL icon) shows the number of calls that he has made.
- A "1" is automatically prefixed to the phone number of a call made from outside the local area.

Example When you are receiving a number "123-456-7890", the number "1-123-456-7890" will be stored into the caller ID memory.

NOTE

To turn off the NEW CALL LED, hold down the DEL button for more than 2 seconds or press the TALK button twice.

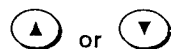
The caller ID review mode will be terminated and the NEW CALL LED will be turned off.

DIALING FROM CALLER LIST



- 1 Press the CALLS button to display the caller list.

New Call : 12
Total : 56



- 2 Press the ▲ or ▼ button to select the desired caller data.

NEW TOTAL 56
JACK THOMSON
555-1234



- 3 Press the CALLS button again to dial the number.



- 4 When the call is finished, return the handset to the base unit or press the TALK button.

VIEWING LONG TELEPHONE NUMBERS AND NAMES AND CHECKING THE DATE AND TIME

Due to display size limitations, a telephone number longer than 10 digits or a name more than 12 characters long cannot be viewed at one time. For the same reason, the received date and time cannot be displayed with the name and number. For example, the following information cannot be displayed on one screen.

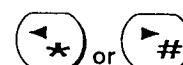
Phone number: 123456789012

Name: Marie Antoinette

Date and time: Jun. 30, AM 11:46

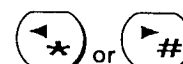
To view the remaining information, follow the steps below:

NEW TOTAL 32
MARIE ANTOIN
345-678-9012



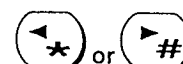
- 1 Press the ► button once or the ◀ button three times to display the full received number.

NEW TOTAL 32
12-
345-678-9012



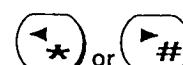
- 2 Press the ► button twice or the ◀ button twice to display the full name.

NEW TOTAL 32
MARIE ANTOIN
ETTE



- 3 Press the ► button three times or the ◀ button once to display the received date and time.

NEW TOTAL 32
6/30
AM 11:46



- 4 To return to the original display, press the ► or ◀ button once again.

In the following situations, it may not be possible to view the caller data:

a) When the calling party blocks his name or phone number:

NEW TOTAL 2
DAVE JOHNSON
Private No.

NEW TOTAL 2
Private Name
123-456-7890

b) When the call comes from an area where the Caller ID service is not available:

NEW TOTAL 2
DAVE JOHNSON
Out of Area

NEW TOTAL 2
Out of Area
123-456-7890

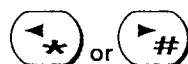
c) If the caller data for some reason cannot be received correctly, the message "Not received" is displayed.

Not Received

EDITING OR ERASING CALLER LIST DATA

You can edit or erase received telephone number and name data in the caller list using the following steps.

NOTE



Since the ◀ or ▶ button cannot be used when editing telephone numbers, digits can only be inserted or deleted starting from the first digit. When editing characters, no such restrictions apply. You can both delete and overwrite characters.

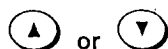
EDITING TELEPHONE NUMBERS

Example Deleting the first digit in a telephone number



- 1 Press the CALLS button when no telephone number is displayed on the LCD to open the caller list.

New Call : 8
Total : 56



- 2 Select the desired caller data using the ▲ or ▼ button.

NEW 8 TOTAL 56
JACK THOMSON
123-456-7890



- 3 Press the PROGRAM button.

NEW 8 TOTAL 56
Edit AorV
Erase+Delete



- 4 Press the ▼ button to start number editing. The first digit "1" starts flashing.

NEW 8 TOTAL 56
123-456-7890



- 5 Press the DEL button momentarily. The first digit "1" will be deleted and the second digit will start flashing.

NEW 8 TOTAL 56
123-456-7890



- 6 Press the PROGRAM button again. The display shown below appears for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

NEW 8 TOTAL 56
Save ok

Example Inserting "5" at the beginning of the telephone number
Perform the following steps after steps 1 to 4 described above.



- 5 Press the 5 button and "5" is inserted before the first digit.

NEW 8 TOTAL 56
123-456-7890



- 6 Press the PROGRAM button again. The display shown below appears for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

NEW 8 TOTAL 56
Save ok

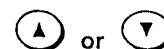
EDITING CALLER NAMES

Example Deleting the character "s" in the caller name Jack Thomson



- 1 Press the CALLS button when no telephone number is displayed on the LCD to open the caller list.

New Call : 8
Total : 56



- 2 Select the desired caller data using the ▲ or ▼ button.

NEW 8 TOTAL 56
JACK THOMSON
123-456-7890



- 3 Press the PROGRAM button.

NEW 8 TOTAL 56
Edit AorV
Erase+Delete



- 4 Press the ▲ (scroll up) button once or ▼ (scroll down) button twice to start character editing and the character "J" will start to flash.

NEW 8 TOTAL 56
JACK THOMSON



- 5** Press the ► button 9 times to move the cursor to the character "s".

NEW 8 TOTAL 56 PROG
JACK THOMSON



- 6** Press the DEL button and the next character moves one step to the left.

NEW 8 TOTAL 56 PROG
JACK THOMSON



- 7** Press the PROGRAM button again. The display shown below appears for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

NEW 8 TOTAL 56
Save ok

Example Changing the second "O" in the caller name JACK THOMSON to "A."
Perform the following steps after step 4 in the example above.



- 5** Press the ► button 10 times to move the cursor to the character "O."

NEW 8 TOTAL 56 PROG
JACK THOMSON



- 6** Press the 2 button once.

NEW 8 TOTAL 56 PROG
JACK THOMSON



- 7** Press the PROGRAM button again. The display shown below appears for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

NEW 8 TOTAL 56
Save ok

DELETING CALLER LIST DATA

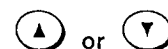
The unit can store up to 99 caller data items, the oldest entry is automatically deleted when the 100th item is stored. You can also delete the caller data items manually either one at a time or all items.

Deleting the selected caller data item



- 1** Press the CALLS button when no telephone number is displayed on the LCD to open the caller list.

New Call : 8
Total : 56



- 2** Select the desired caller data using the ▲ or ▼ button.

NEW 1 TOTAL 56 PROG
JACK THOMSON
555-1234



- 3** Press the PROGRAM button.

NEW 8 TOTAL 56 PROG
Edit → AorV
Erase → Delete



- 4** Press the DEL button. The display shown below appears and a confirmation tone will be heard indicating that the selected caller data item has been deleted and the programming mode will be terminated.

NEW 7 TOTAL 55
Deleted

Deleting all caller list data



- 1** Press the CALLS button when no telephone number is displayed on the LCD to open the caller list.

New Call : 8
Total : 56



- 2** Press the PROGRAM button.

NEW 1 TOTAL 56 PROG
Erase All?
Press Delete



- 3** Press the DEL button. The display shown below appears and a confirmation tone will be heard indicating that all caller data has been deleted and the programming mode will be terminated.

Deleted

STORING A CALLER LIST TO TWO-TOUCH DIAL MEMORY

Caller names and telephone numbers in the caller list can be stored in the two-touch memory dial.

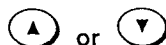
Example Storing caller list item 1 to two touch memory location 8.

CALLS



- 1 Press the CALLS button when no telephone number is displayed on the LCD to open the caller list.

New Call : 5
Total : 56



- 2 Select the desired caller data using the ▲ or ▼ button.

NEW TOTAL 56
Jack Thomson
555-1234

MEMORY



- 3 Press the MEMORY button.
If the caller data has to be edited, edit the data according to the instructions in Section "Editing or erasing caller list data" on page 36~39 before you press the MEMORY button.

MEM - - PROG
Jack Thomson
555-1234



- 4 Press a number button to assign a location number where you wish to store the caller data.

MEM 08 PROG
Jack Thomson
555-1234

- 5 One second after the operation in step 4, the display shown below appears for 3 seconds. A confirmation tone will be heard indicating that the new data has been saved and the programming mode will be exited.

MEM 8
Save ok

OTHER FUNCTIONS

PAGE/FIND

The page/find function allows you to page the handset from the base unit by sounding beeps in the handset to help you find the handset if you misplace it.

Using the page function

Press the PAGE button on the base unit for a short time and the handset will ring with three short beeps and the self-lit TALK button will flash. "Page" will be displayed on the LCD during paging.

PAGE

Page

Using the find function

Press the PAGE button on the base unit for more than 2 seconds and the handset will ring for 30 seconds repeating sequences of three short beeps.

PAGE

NOTE

The PAGE/FIND button cannot be used in the following conditions:

- (1) When the handset is on the base unit
- (2) When the handset is in the talk mode

NOTE

- (1) When the TALK button is pressed, the Page or Find function will be terminated and the handset will go into the talk mode.
- (2) When an incoming call is received during Page or Find mode and the ringer switch is set to ON, the Page or Find mode will be terminated and the incoming ringer will start.

TALK

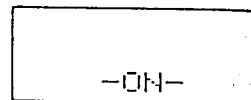
CONTRAST ADJUST

If you find the LCD display difficult to view, you can adjust it to one of three levels. The default setting is Contrast 2.

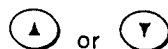
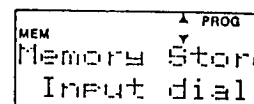
Adjust the contrast according to the following instructions:



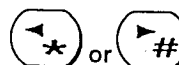
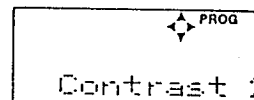
- 1** Hold down the DEL button for more than 2 seconds or press the TALK button twice to clear any displayed number and return to standby mode.



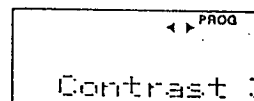
- 2** Press the PROGRAM button.



- 3** Press the ▲ button 3 times or the ▼ button once.



- 4** Press the ◀ or ▶ button to adjust the contrast.



- 5** Press the PROGRAM button again to store the new contrast level. The display shown below will appear for 3 seconds. A confirmation tone will sound indicating that the new contrast level has been stored and the programming mode will be terminated.

