

AUDIOLINE®

**CALLER DISPLAY
&
CALL WAITING
COMPATIBLE
CORDLESS**

*Model
FF 988*

*This equipment is not designed for making
emergency telephone calls when mains
power fails. Alternative arrangements
should be made for access to the
emergency services.*

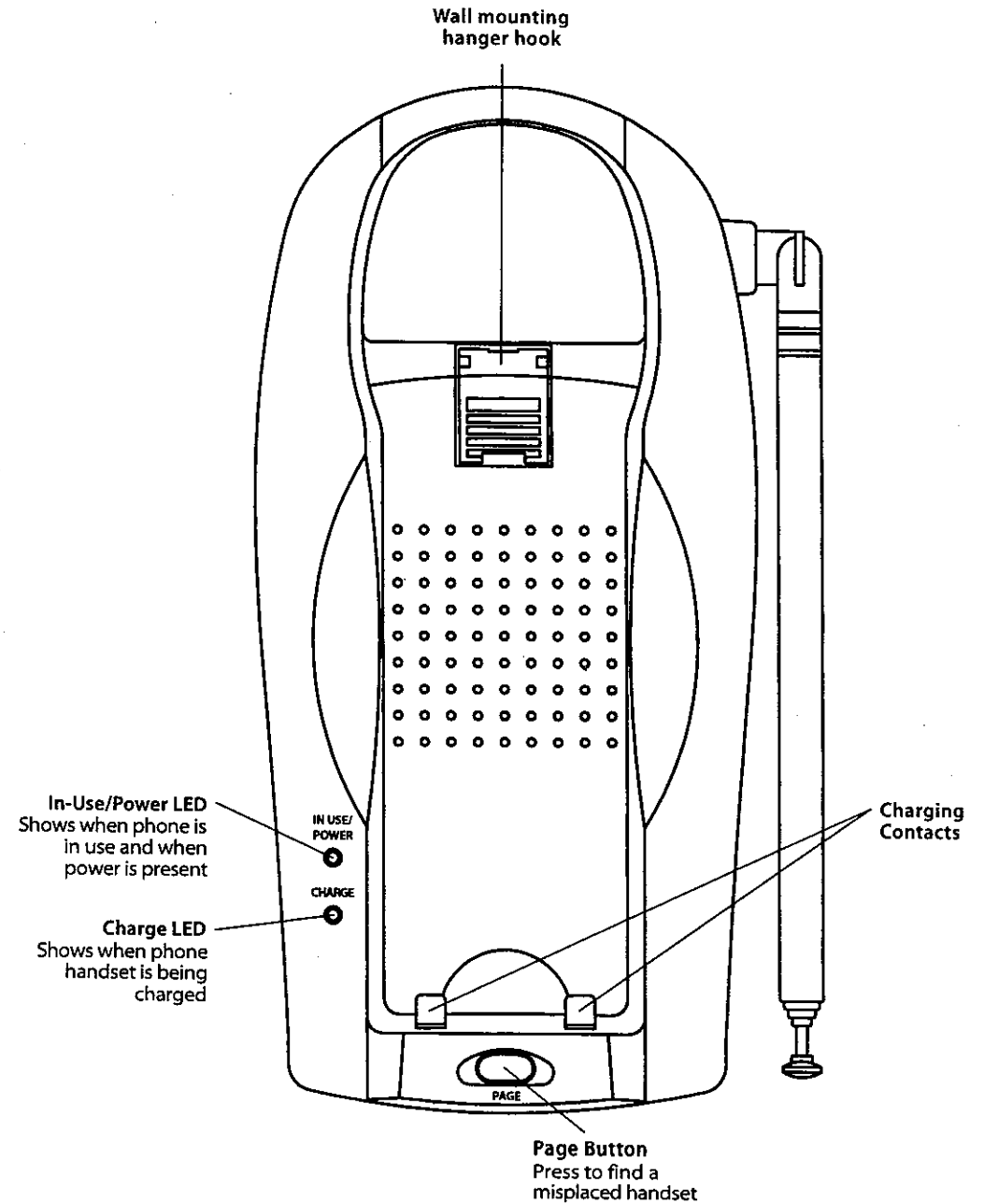
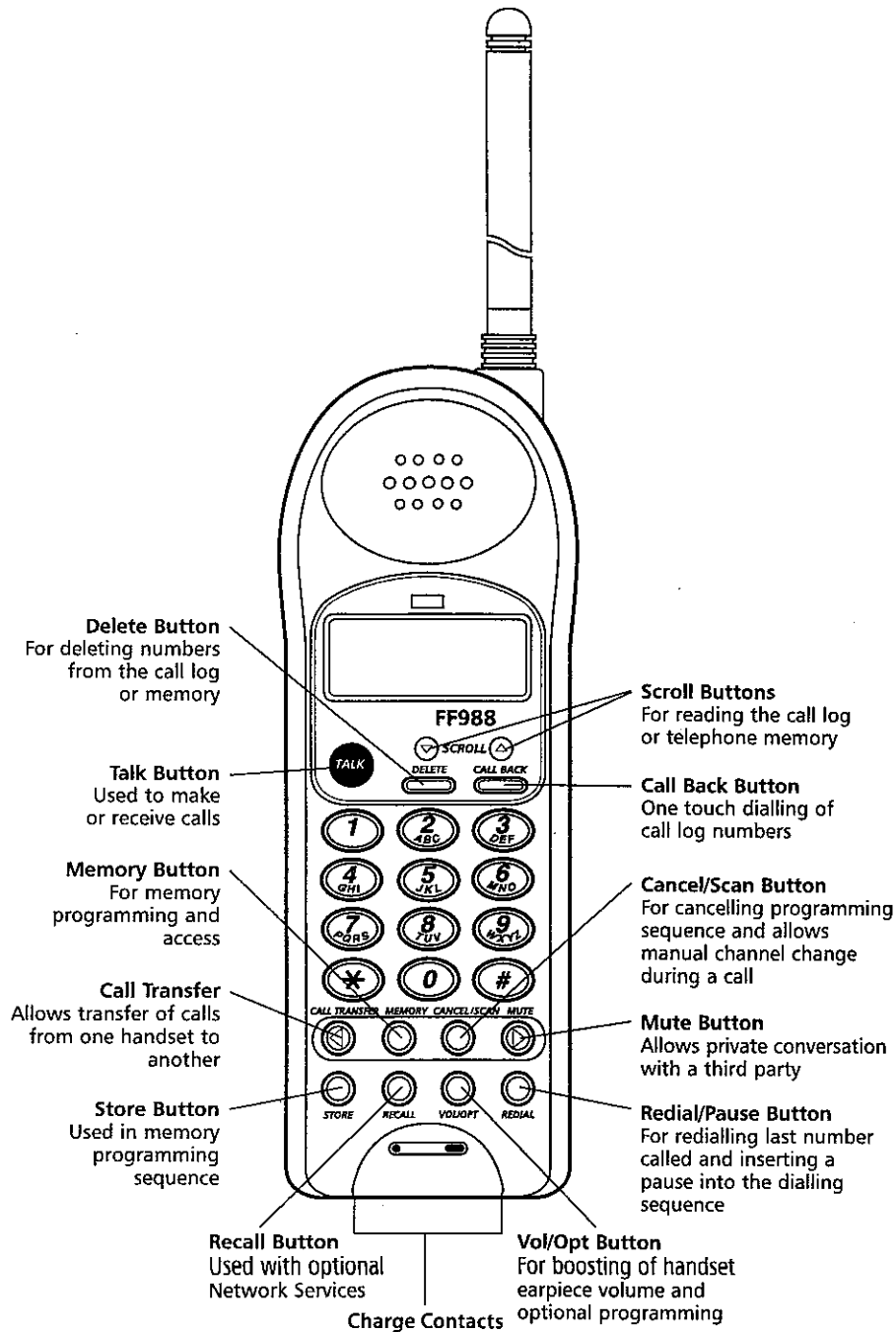
user guide

Handset

1

Base Unit

2



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ATTENTION !

**UNLIKE A STANDARD TELEPHONE, CORDLESS
PHONES CANNOT BE USED IMMEDIATELY.**

Before use:

SITE THE BASE UNIT.

(see page 5)

**CHARGE THE HANDSET BATTERY FOR 14 HOURS
WITHOUT INTERRUPTION.**

(see pages 5 & 6)

INTRODUCTION

This highly specified product is compatible with the caller display and call waiting services offered by most Network operators. In many cases these additional services require a subscription. Check with your Network operator for full details.

Please read this user guide before use.

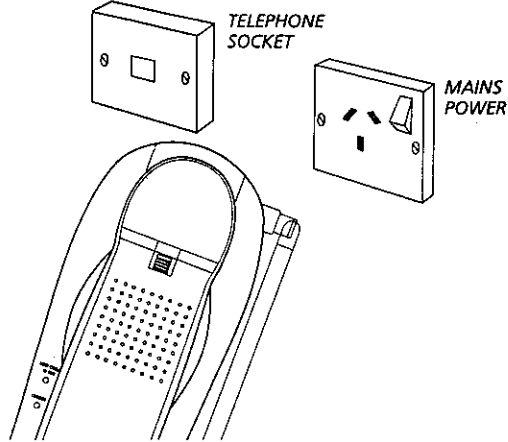
IMPORTANT

The caller display service requires a subscription to the Network operator.

PART 1: Installing

The base unit and the handset MUST be able to receive and transmit good radio signals.

1. SITE THE BASE UNIT



- 1: CLOSE TO A TELEPHONE POINT.
- 2: CLOSE TO A 10 AMP MAINS SOCKET

Ideally, position in an upstairs room, central to the area in which the phone will be used.

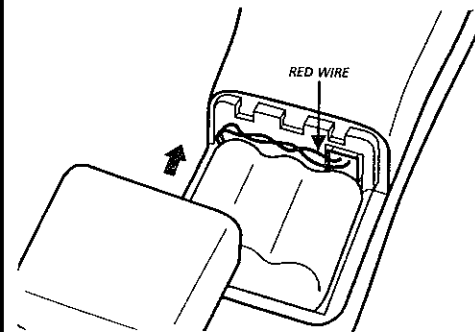
Poor installation or interference from other equipment is the cause of most apparent cordless telephone faults.

Avoid locations which are close to large metallic objects such as radiators, metal pipes or window frames and electrical appliances such as cookers, TV sets, etc., which may cause interference.

WALL MOUNTING

The base unit can be wall mounted, if required. An optional bracket is required. (see page 20 for ordering details). When wall mounted, the wall mounting hanger hook must be removed and re-instated with the lip facing upwards.

2. FIT HANDSET(S) BATTERY



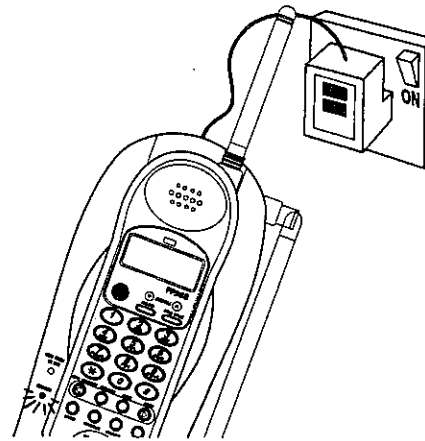
FIT battery, ensuring RED wire is on left hand side

REPLACE BATTERY COVER by sliding into locking hole on handset, ensuring you do not trap the battery wires.

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PART 1: Charging

3. CHARGE HANDSET



CONNECT JACK PLUG to rear of base unit and **CONNECT POWER ADAPTOR** to the mains

FIT AERIAL to the handset and **PLACE** handset (**FACE UP**) onto the cradle.

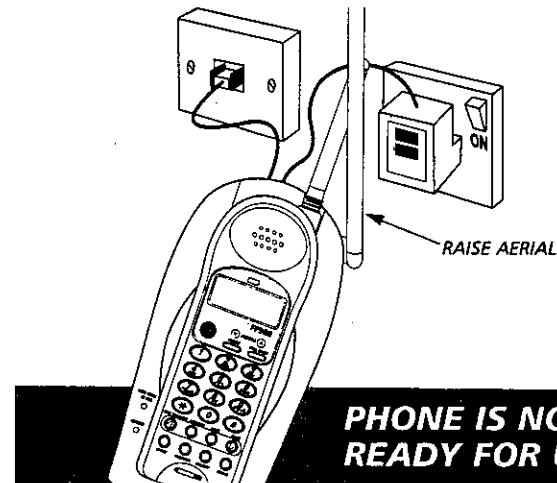
SWITCH ON the power at the mains. (charge LED will illuminate)
the display will show : **RINGER HI**
AUTO OFF

LEAVE FOR 14 HOURS.

DO NOT LIFT HANDSET or **PLUG INTO TELEPHONE SOCKET** during charging.

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4. CONNECT TO TELEPHONE SOCKET



CONNECT telephone line socket at the rear of the base and **CONNECT** telephone plug to wall socket.

This telephone is pre-set to Tone dialling

PHONE IS NOW READY FOR USE

Align Base Unit aerial vertically for best performance.

PART 1: Handset Battery Care

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AFTER INITIAL CHARGING

The power adaptor must remain connected to the mains and mains power switched on. It is recommended that the handset is left on the cradle overnight, ensuring a fully charged battery and maximum 'in use' time.

If the phone is not to be used for a substantial period of time, i.e., holidays, disconnect the mains power adaptor. When power is re-connected it will be necessary to re-charge the handset for 14 hours. Any stored memories may have to be re-programmed.

BATTERY CHARGE

The battery should hold its charge for about 12 days when off the base unit, depending on how often the handset is used.

BATTERY LOW WARNING

If the battery is low when attempting to make a call, the words LO BAT will appear on the display and it will not be possible to make the call.

If the battery is low during a telephone conversation, you will hear periodic beeps and the LO BAT will appear in the display. The call will be disconnected automatically 4 minutes (approximately) after the initial warning.
IT IS RECOMMENDED THAT YOU RE-CHARGE THE HANDSET FOR 14 HOURS to ensure maximum "in use" time (see page 5).

MAINTAINING OPTIMUM CONDITION

Allow handset battery to fully discharge approximately every 4 months. For example, wait until LO BAT appears in the display, then replace the handset on the Base Unit and re-charge for 14 hours.

CLEAN CHARGING CONTACTS

It is recommended that the handset & base unit charging contacts are cleaned regularly, i.e. every two months.

Clean by rubbing the contacts with a pencil eraser and/or a soft dry cloth.

PART 2: Handset Calls

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TO MAKE A CALL

- 1: **PRESS TALK button**
Talk will appear in the display and the In-use LED on the base unit will flash.
- 2: **LISTEN FOR DIAL TONE.**
- 3: **DIAL TELEPHONE NUMBER**, this will be confirmed on the display.
- 4: To finish the call: Press Talk button.

A call cannot be made when the handset is out of operating range.

A call can be received when the handset is out of operating range, but beeps will be heard in the earpiece. Walk back towards the base to improve reception.

TO RECEIVE A CALL

- 1: **PRESS TALK button.**
Callers name & number may appear on the display (see pages 9-13).

AUTO TALK

As supplied, this feature is programmed OFF. This ensures that when an incoming call is received and the handset is lifted off the base unit the call is not connected until the user presses the TALK button.

To Change the setting:

- 1: **PRESS & RELEASE VOL/OPT button.**
Auto Talk N will appear on the display.
- 2: **PRESS & RELEASE SCROLL UP ▲ button.**
Auto Talk Y will be confirmed on the display.
- 3: **PRESS & RELEASE STORE button.**
Stored will be confirmed on the display.

AUTOTALK N

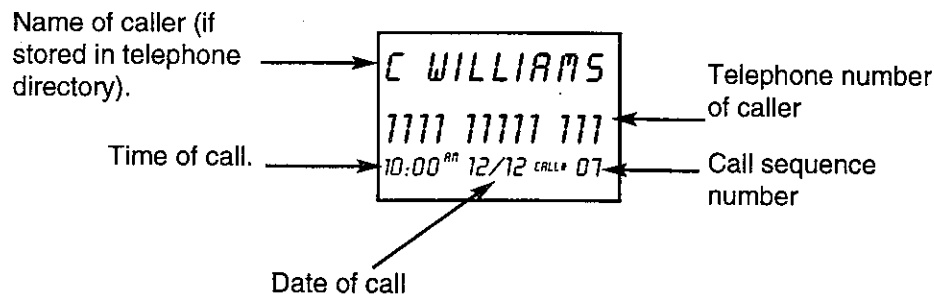
PART 2: Caller Display

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Once you have subscribed to the caller display service provided by your Network operator, the telephone number, date and time of up to 32 incoming calls can be viewed on the LCD and stored in the call log.

If your caller is a person whose name and number is stored in the telephone directory (see page 14) their name will also be stored in the call log. If you have more than one handset, the name must be stored in all handsets.

When the call log is full (32 calls) and new calls are received, the oldest ones are deleted automatically.



CALL WAITING

When a second call is received, the handset earpiece will beep.

To answer the call waiting, press and release the RECALL button, wait for the dial tone and then press the 2 button.

To return to the original caller, press and release the RECALL button, wait for the dial tone and then press the 2 button again.

Check with your Network operator for full details.

IMPORTANT

The caller display service requires a subscription to the Network operator.

PART 2: Caller Display

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The LCD display can also provide the following information:

NEW	the number has called since the call log was last reviewed.
NO NAME	the caller's name or information is not stored in the telephone directory (see page 14).
REPEAT	a call from the same number has been received previously and not yet reviewed.
MOBILE	the call is from a mobile phone.
UNAVAIL.	the caller's Network operator does not offer or pass on the Caller display information.
PRIVATE	the caller has blocked the number from being transmitted. Note: a caller can withhold their number by entering 141 before dialling. Some Networks may use a different number.
DATA ERROR	the information transmitted may contain errors or is unrecognisable. This data will not be stored in the log.
CALL WAIT	a call from another telephone number is waiting. In most cases this service requires a subscription.
MESSAGE*	there is a message on the Network answering service. In most cases this service requires a subscription.
END OF LOG	all calls stored in the call log have been reviewed.

Please note: These services are not expected in Australia until late 1999.

CHARLES
 111111111111
 10:00 12/12 01

RECEIVING A CALL

Seconds before your telephone rings: the name (if stored, see pages 9 & 14), number and date & time of the caller may appear on the display.

You can view the display and decide whether to answer or not.

If you are not at home, the incoming call information will be recorded in the call log.

Note: It is not possible to access the call log whilst an incoming call is being received.

If you have not subscribed to the caller display service provided by the Network operator, the telephone will ring in the normal manner, and CALL will appear in the display.

VIEWING THE CALL LOG

1: **PRESS SCROLL DOWN ▼ button** once to see the latest entry. The display will show READING and then the latest entry.

2: **PRESS SCROLL DOWN ▼ button** to continue reviewing the call log.

OR

1: **PRESS SCROLL UP ▲ button** twice to see the oldest entry.

2: **PRESS SCROLL UP ▲ button** to continue reviewing the call log.

READING

CHARLES
 111111111111
 10:00 12/12 01

- ◆ Use the CALL TRANSFER and MUTE buttons to view number/names that are longer than 12 digits or 10 characters respectively.
- ◆ When you have reviewed the entire call log, the display will show END OF LOG.
- ◆ *To terminate the review procedure at any time: Press the CANCEL button, or wait for the log to time out.*

MAKING A CALL FROM THE CALL LOG

1: **USE THE SCROLL ▲▼ buttons** to locate the entry you wish to call.

2: **PRESS CALL BACK button.** The display will show TALK and the number will be dialled automatically.

CHARLES
 111111111111
 10:00 12/12 01

DELETE?

DELETED

DELETING AN ENTRY FROM THE CALL LOG

1: **USE THE SCROLL ▲▼ buttons** to locate the entry you wish to delete.

2: **PRESS DELETE button.** *The display will show DELETE?*

3: **PRESS DELETE button** (within 2 seconds) to confirm delete. *The display shows DELETED and the next number in the call log.*

If you have more than one handset in the system, the call will be deleted from all handsets.

DELETING ALL ENTRIES

1: **PRESS EITHER SCROLL ▲▼ button.**

2: **PRESS & HOLD the DELETE button** until display shows DEL ALL?, then release. IMMEDIATELY, press and release DELETE button. All call log memories will be erased.

To cancel a delete operation, press the CANCEL button before pressing the DELETE button for a second time or wait until the sequence times out.

If you have more than one handset in the system, all calls will be deleted from all handsets.

COPYING A NUMBER FROM THE CALL LOG TO THE TELEPHONE DIRECTORY

This feature allows you to store callers numbers in the telephone directory (see page 14) and add a name to the number. Once this procedure has been completed, incoming calls from the number will show the caller's name as well as the number.

- 1: **LOCATE** the number you wish to store using the **SCROLL ▲ ▼** buttons.
- 2: **PRESS MEMORY** button.
- 3: **PRESS SCROLL UP ▲** button.
- 4: **USE DELETE** button to erase all characters.
- 5: **ENTER NAME** (15 characters maximum).

For example to enter: Charles

- | | |
|--------------------------------|---|
| 1. Press digit 2 (three times) | ♦ To move the cursor to the left one space, press the CALL TRANSFER button |
| 2. Press digit 4 (five times) | |
| 3. Press digit 2 (four times) | ♦ To move the cursor to the right, press the MUTE button. |
| 4. Press digit 7 (seven times) | |
| 5. Press digit 5 (six times) | ♦ To delete a character on the cursor, press the DELETE button. |
| 6. Press digit 3 (five times) | |
| 7. Press digit 7 (eight times) | ♦ To enter a space, press the 0 button twice and then press the MUTE button once. |
| 8. Press STORE button. | |

The display will show **STORED**.

- 6: **PRESS STORE** button. The display will show **LOCATION?**.
- 7: To automatically allocate a LOG LOCATION number, **PRESS** the * button.
- 8: To allocate a location number yourself, **ENTER** a location number from 01-39.
- 9: The display will show **STORED**.

To terminate the review procedure at any time:
Press the **CANCEL** button.

You can store up to 39 frequently used telephone numbers (16 digits per number/15 characters per name maximum) in the telephone directory of each handset. If you make a mistake at any time, press **CANCEL** button and re-commence from 1.

WHAT YOU DO

- 1: **PRESS MEMORY** button.
- 2: **ENTER** location number (01-39) on keypad or use the **SCROLL ▲ ▼** buttons to find an empty location.
- 3: **PRESS MEMORY** button.
- 4: **DIAL NUMBER** you wish to store.
- 4 a: *PRESS SCROLL UP* button if you wish to add a name. (see below for details)
- 5: **PRESS STORE** button and then **CANCEL** button to exit.
Store other numbers from point 1 above.

WHAT THE LCD SHOWS

```

1:  LOCATION?
2:  NON-EMPTY  01
3:
4:  000000000000  01
5:  STORED
   000000000000  01
    
```

4a: To enter a name

The alpha numeric keypad buttons can be used to enter upper and lower case letters (15 characters per name maximum).

For example to enter: Charles

- | | |
|-------------------------------|---|
| 1. Press digit 2 three times | ♦ To move the cursor to the left one space, press the CALL TRANSFER button |
| 2. Press digit 4 five times | |
| 3. Press digit 2 four times | ♦ To move the cursor to the right, press the MUTE button. |
| 4. Press digit 7 seven times | |
| 5. Press digit 5 six times | ♦ To delete a character on the cursor, press the DELETE button. |
| 6. Press digit 3 five times | |
| 7. Press digit 7 eight times | ♦ To enter a space, press the 0 button twice and then press the MUTE button once. |
| 8. Press STORE button. | |
- The display will show **STORED**.

- To change a stored number or name, repeat the storage procedure (above) and delete the original number/name using the **DELETE** button.

Telephone/PIN numbers stored in different memory locations can be dialled one after another by simply pressing the memory button then the appropriate memory location buttons during dialling.

MEMORY DIALLING

- 1: **PRESS MEMORY** button.
The display will show LOCATION?
You now have three options, A, B or C.
- A: **ENTER** the **MEMORY LOCATION NUMBER (01-39)** and then **PRESS** the **TALK** button.
- B: **USE SCROLL ▲ ▼** buttons to locate the desired number and then **PRESS TALK** button.
- C: **PRESS MEMORY** button **TWICE**. *The display will show FINDNAME:*
ENTER the **FIRST LETTER** of the name
Note: if the first letter is in lower case, a similar letter must be entered.
PRESS * button **until the required name is displayed** and then the **TALK** button.
If the letter is not matched, entry 39 will be displayed.

CHAIN DIALLING

If the number to be dialled is longer than 16 digits, memory locations can be chained together. For example: follow steps 1 A,B,C above then press memory + 01, memory 02, etc.

DELETING MEMORY NUMBERS

- 1: **PRESS MEMORY** button.
The display will show LOCATION?
- 2: **ENTER** the **MEMORY LOCATION NUMBER (01-39)** **OR** use the **SCROLL ▲ ▼** buttons to locate the desired number.
- 3: **PRESS** the **DELETE** button. *The display will show DELETE?*
- 4: **PRESS** the **DELETE** button again.

CALL TRANSFER (more than one handset is required)

- 1: When on a call, **PRESS TRANSFER** button on **HANDSET** (a confirming beep will be heard and TRANSFER? will appear on the display).
- 2: Immediately, **PRESS handset identity number (1-4)** of called handset.
- 3: Called handset rings and user presses TALK to take the call. If the call is not answered, it will be transferred back to the original handset.
- 4: If original handset doesn't answer, the call will be disconnected.

HANDSET VOLUME CONTROL

To boost the handset earpiece volume during a call:
*Press & release the VOL/OPT button to increase the volume.
Press & release the button again to return to normal volume.*

When the call is terminated, the volume level will automatically reset to the normal level.

SCAN BUTTON

If interference is experienced during a call, press the **SCAN** button. A beep will confirm the channel change and the channel number will appear briefly in the display.

Note: Three short beeps indicate the channel has not been changed.

MUTE

To speak privately to a third party whilst on a call, press the MUTE button on the handset. Press the MUTE button again to resume your telephone conversation.

LAST NUMBER REDIAL

*Press the TALK button and then the REDIAL button.
The number will be dialled automatically and will be retained in the memory until another number is dialled.*

RECALL

The RECALL button will allow you to access other PABX facilities and advanced optional features available at the new digital telephone exchanges. Your Network Operator will advise you of these facilities.

HANDSET RINGER

The handset ringer can be set to either Hi, Lo or Off. **As supplied, this feature is set to Hi.**

To change the setting:

1. Press the **VOL/OPT** button twice.
Ringer Hi will appear on the display.
2. Press the **SCROLL UP** button repeatedly until the desired setting appears on the display.
3. Press the **STORE** button, *STORED will be confirmed on the display.*

The page function will not be affected by the chosen setting.

Page/Find Handset

The Page button on the base unit can be used to locate a misplaced handset. If you have more than one handset, all handsets will ring.

1. **PRESS PAGE button on BASE UNIT**
The handset will ring for 18 seconds.

The display will show PAGING.
2. **PRESS PAGE button again to terminate the paging sequence.**

All cordless telephones are radio transmitters and receivers and as such are subject to interference from a wide range of sources.

- Re-siting of the base unit often improves reception substantially.
- As with all radio equipment; passing cars and motorcycles, TV's , computers, fax machines and other electrical equipment can cause noise if they are not adequately suppressed.

FAULT	CHECK/ACTION
No Dialling Tone: Will not dial out:	<ul style="list-style-type: none"> ◆ HANDSET IS PROPERLY CHARGED ◆ Base unit is plugged into AC adaptor and mains power is switched on ◆ Telephone cord is plugged into wall socket. ◆ Talk symbol is on display. ◆ If In-use LED on base flashes continuously, <i>Replace handset on base for 10 seconds and re-try. If unsuccessful, disconnect handset battery for 10 seconds and switch off mains power to base unit. Switch on and replace handset battery and place on base unit for 10 seconds, then re-try.</i>
Incoming callers number not shown in display:	◆ Have you subscribed to the caller display service provided by your Network operator.
Name of caller not shown in display:	◆ Is the name stored in the telephone directory? Have you subscribed to the caller display service.
Interference and Noise on the line:	<ul style="list-style-type: none"> ◆ Press Channel button to select another channel. ◆ Handset is within range of base unit. ◆ Base aerial is vertical and not positioned near metalwork, fridges, TV sets, etc. ◆ Try a new location for base unit.

- | | |
|--|--|
| Audible beep from handset and/or LOBAT is on display: | <ul style="list-style-type: none"> ◆ Battery is discharged. Re-charge for 14 hours. ◆ Clean charging contacts on base and handset. |
|--|--|

FAULT	CHECK/ACTION
Telephone will not ring:	<ul style="list-style-type: none"> ♦ Base unit is plugged into mains and power is switched on. Power indicator is illuminated. ♦ HANDSET BATTERY IS CHARGED (see page 5) ♦ Handset ringer is not programmed off. ♦ Total of REN numbers does not exceed 3
During conversation interference/beeps is heard:	<p><i>If this problem persists, resite the base unit away from electrical equipment and large metallic objects.</i></p> <ul style="list-style-type: none"> ♦ Battery is becoming low. ♦ Out-of-range warning - walk back towards base.
Range poor: Handset beeps:	<ul style="list-style-type: none"> ♦ If you press the Talk button when the handset is out of operating range of the base station, you will hear two beeps from the handset.

The range of a cordless phone can be reduced by the presence of conductive objects, walls etc., in and around its transmission path. It is normally possible to improve the performance to a satisfactory level by moving the base unit. Because of the variability of environment encountered, it is not possible to give a range which will be met in all circumstances. However, the range in normal circumstances is more than adequate for use in and around the average home.

The rechargeable battery in the handset will last for up to two years or 600 charge cycles without noticeable loss of performance. However, like all rechargeable batteries, its ability to hold a charge will reduce eventually. You will need to replace the battery if:

*The battery will not hold a charge for more than two hours, even after an overnight recharge.
There are signs of leakage.*

How to change the rechargeable battery:

- 1: Slide the battery compartment cover down and remove it from the handset.
- 2: Gently pull the battery wires until the wire connector comes out of the socket.
- 3: Remove the battery pack. Insert and connect the new battery pack.
- 4: Replace the battery compartment cover.

IT IS RECOMMENDED THAT YOU RECHARGE THE HANDSET FOR 14 HOURS to ensure maximum "in use" time.

Important note: *Dispose of the old battery safely. Do not dispose of in a fire.*

Accessories

- | | |
|--------------------------------------|-------------------------|
| 1. PA988 Power Adaptor for Base Unit | 2. Battery Pack |
| 3. Handset Aerial | 4. TWB 224 Wall Bracket |
| 5. Additional handset (FF989) | |

Note: The FF988 can only be supplied power by an Audioline plug power PA 988 (Approval No. N/12462).

To order accessories or spare parts, contact DORO Australia.

Handset registration

When an additional handset (FF989) is added to the system, it will require registration to the base unit.

NEW HANDSET & BASE

1. Charge the handset as described on pages 5-6 (the display shows SET UP).
2. Press & Hold the PAGE button on the **BASE UNIT**.
3. Press & Hold the STORE button on the handset, until the LCD shows UNIT NO ?
4. Enter a handset number 1-4 (not a number already used).
5. Release the PAGE button on the base. *The handset LCD will show STORED-AUS and a confirmation tone will be heard.*

CORDLESS TELEPHONES

Are devices that are powered from the mains supply and rechargeable batteries, therefore, it may not be possible to receive or make calls (including emergency 000) if there is:

- ♦ Mains power failure
- ♦ Discharged handset batteries
- ♦ Strong local radio frequency interference

REN Number

The REN number of the FF 988 is 1. The REN number (Ringer Equivalence Number) is designated to represent the amount of power that a telephone draws from its telephone line. Most normal exchange lines have a REN capacity of 3. If you wish to connect any other equipment to the line, simply add up the REN numbers of each piece and ensure that the total does not exceed 3.

If you are connected to a PABX which gives a secondary dial tone before allowing further dialling it may be necessary to insert a two second pause between digits. To do this press the REDIAL button. Each pause entered uses one of the available digits.

Special Features

NICKEL METAL HYDRIDE (NIMH) BATTERY

The FF988 uses an environmentally friendly NIMH battery. There are no toxic or hazardous materials like cadmium, mercury or lead used in the battery cells or during manufacture. By using this battery technology the FF988 is virtually free of 'Memory Effect' that the commonly used Nickel Cadmium batteries suffer from*. Giving you the convenience of placing the handset on charge when you wish to, as opposed to waiting for the battery low indication and consequently unuseable handset.

* Should the battery develop this effect over time full capacity can be restored by simply allowing the battery to discharge then cycle the battery i.e. fully charge/fully discharge twice.

10 CHANNEL AUTO SCAN

10 channels are available for operation. Some cordless phones can access only 1, 2 or 4 channels. Audioline cordless phones scan all 10 channels automatically - to give you the clearest line every time.

DIGICLEAR CIRCUITRY™

Digiclear Circuitry™ significantly cuts down background interference such as static hiss and distortion which reduce performance and usability in standard cordless phones.

DYNAMIC DIGITAL CALL GUARD

Continuous electronic "handshaking" protects you from another cordless phone accessing your telephone line. The FF 988 has more than 65,000 different code combinations.

HEARING AID FACILITY

The FF 988 can be used with suitable hearing aids which are switched to the 'T' position. (Check your hearing aid instructions for this mode of operation).

THUNDERSTORMS - WARNING

It is recommended that you disconnect your telephone during a thunderstorm. We recommend you follow these simple precautions during a thunderstorm:

- Do not use your telephone unless the call is urgent.
- If you must use your telephone, make the call as brief as possible and keep clear of electrical equipment and metal fixtures.
- Do not stand in bare feet on uncovered concrete floors.
- Do not touch brick or concrete walls.

NOTE: Do not install your telephone in damp or high humidity locations, such as a laundry or bathroom. If any damage is caused by such elements it is not covered by the Manufactures warranty.

CLEANING

The casing should be cleaned by wiping with a damp cloth only.

Do not use methylated spirits or other aggressive cleaning agents as damage to the casing may result.

Do not use abrasives or spray polish that may enter through holes in the earpiece and mouthpiece and cause damage.

Do not place the telephone in direct sunlight or use in extreme humidity.

AUDIOLINE Service and Guarantee

If you believe your FF988 is malfunctioning, please consult the troubleshooting section (pages 18-19) and ensure that you have followed the instructions in this handbook carefully.

The FF988 is guaranteed for a period of 12 months from the date of purchase. In the unlikely event of a fault during this period, please return it with a copy of the purchase receipt to:

DORO Australia Pty Ltd

Audioline products are distributed in New Zealand by Atlas Gentech. For enquiries and assistance call their Consumer Helpline (Toll call) 0900 50025. Note: The guarantee does not extend to damage caused by misuse, negligence, excessive voltage, faults on the telephone line or lightning. This guarantee in no way affects your statutory rights.

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