

INTRODUCTION

ABOUT THE CY2411

The CY2411 is a 2.4 GHz Cordless Phone with Caller Identifier. It is designed and engineered to exacting standards for reliability, long life, and outstanding performance.

FEATURES

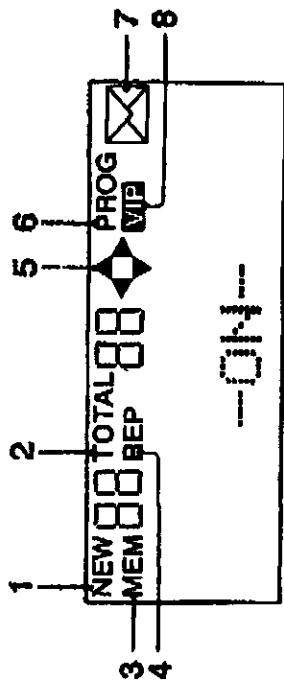
- Caller ID (99 call data memory locations) with call waiting
- 40 Channels (auto or manual selection)
- Multi LCD on the handset with three-language selection
- 20-Number Two-touch Dial Memory
- Direct dialing from caller list
- Long battery life
- Digital security coding

The CY2411 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 CY2411 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 CY2411, PLEASE READ THIS OPERATING GUIDE THOROUGHLY.

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. **Envelope icon**: 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 10 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 backlight goes off 10 seconds after the talk mode is terminated by pressing the TALK button, or immediately after the handset is placed in the base

OPERATING INSTRUCTIONS

PREPARATIONS

DIAL MODE SWITCH

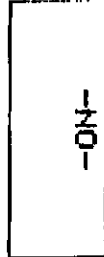
Set the DIAL MODE switch to TONE if you subscribe to a touch tone service, otherwise set it to PULSE. If you do not know which service you have, check with your local telephone company.

LANGUAGE SELECTION

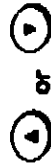
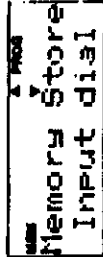
The unit offers a choice of three LCD display languages: English (the default value), French or Spanish. Follow the instructions given below to set your language choice.



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.



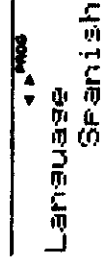
2 Press the PROGRAM button.



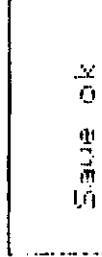
3 Press the ▲ button once or the ▼ button 3 times.



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.

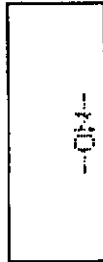


AREA CODE SETTING

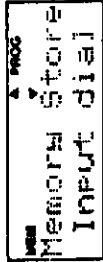
When your local area code is set, the caller ID number of a local call will be displayed and stored without the area code. This means that you do not have to remove the area code before storing the number or calling back. Enter the area code according to the following instructions.





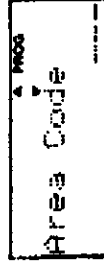
- 1** Hold down the DEL button for more than 2 seconds or press the TALK button twice to clear any displayed number and return to standby mode.



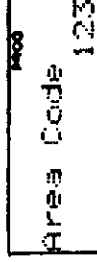
- 2** Press the PROGRAM button.



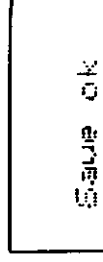
- 3** Press the  button twice or the  button twice.
(Once you enter an area code, the previously set number will appear. If you do not want to change, hold down the DEL button more than two seconds to terminate the programming mode.)
(Default value: no area code is set)



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



- 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.

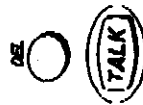


CONTRAST ADJUST

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.



-ON-

- 2 Press the PROGRAM button.



Memory Store
Input dial

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



Contrast 2

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



Contrast 3

- 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.



Save ok

5

DELETING THE DIAL MEMORY



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

MEMA ▲ PROG
Memory Store
Input dial



- 2 Press the **MEMORY** button.

MEMA --



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

MEM 08

- 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.

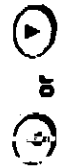
MEM 08
Deleted

VIEWING AND DIALING FROM THE DIAL MEMORY



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

MEMA --



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

MEMA ▲
David Foster
555-1234



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

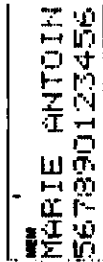
TWO-TOUCH MEMORY DIALING



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



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



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

NOTE

- The location number has to be entered within 30 seconds of pressing the assigned number 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.

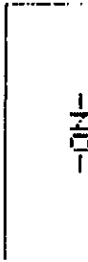


VIP (Priority ringer)

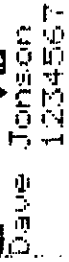
This function allows you to recognize an incoming caller from the ringing sound by assigning a priority ringer to the designated telephone number from the two-touch dial memory as described below:



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



- 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.



- 3 When you find the desired caller, press the PROGRAM button. The VIP icon on the LCD display will light.



Thirty 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.

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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 will light, and the NEW CALL LED on the base will flash, 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.

NEW CALLS
TOTAL: 56

-ON-



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

New Call : 12
Total : 56



2 Press the **▼** button to view the information for the latest received call.

NEW CALLS
JACK THOMSON
555-1234

- 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

Even after you reviewed all new calls, the NEW CALL LED will still flash until you put the handset on the base. You can also hold down the DEL button for more than 2 seconds or press the

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DELETING CALLER LIST DATA

The unit can store up to 99 caller data items, the oldest entry 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 :  
Total : 5
```

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

```
New Total 55  
JACK THOMSO  
# 555-123
```

- 3** Press the PROGRAM button.

```
New Total 55  
Edit →/Nov  
Erase→Delet
```

- 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 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 :  
Total : 5
```

- 2** Press the PROGRAM button.
NOTE
Press the TALK button if you do not want to delete all of the caller list data.

```
New Total 55  
Erase All?  
Press Delet
```

- 3** Press the DEL button to delete all caller list data. 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.

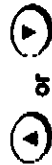
```
Deleted
```

VIEWING LONG NAMES AND TELEPHONE NUMBERS

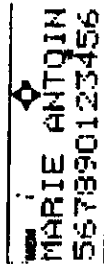
Names more than 12 characters and telephone numbers more than 12 digits cannot be viewed together. Do as follows to view such names and numbers.



1 Press the **MEMORY** button in the standby mode.



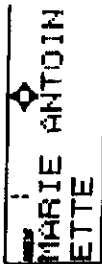
2 Enter the location number or press the **▲** or **▼** button until you find the desired name and telephone number.



3 Press the **▶** button once or the **◀** button twice to view the full telephone number.



4 Press the **▶** button once more or the **◀** button once 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.



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.



DELETING CALLER LIST DATA

The unit can store up to 99 caller data items, the oldest entry 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.

```

CALLS
-----
New Call :
Total    : 5
    
```

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

```

CALLS
-----
New Total: 55
JACK THOMSON
# 555-123
    
```

- 3 Press the PROGRAM button.

```

CALLS
-----
New Total: 55
Edit #000
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.

```

CALLS
-----
New 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.

```

CALLS
-----
New Call :
Total    : 5
    
```

- 2 Press the PROGRAM button.

```

CALLS
-----
New Total: 55
Erase All?
Press Delete
    
```

NOTE

Press the TALK button if you do not want to delete all of the caller list data.

- 3 Press the DEL button to delete all caller list data. 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.

```



CALLS
-----
Deleted
    
```



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:

-  or 

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

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

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

4 To return to the original display, press the **▶** once again or **◀** button once more.

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	▲
Private Name			
123-456-7890			
- b) When the call comes from an area where the Caller ID service is not available:

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			
--------------	--	--	--

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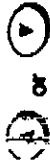
The caller ID review mode will be terminated and the NEW CALL LED will be turned off.

DIALING FROM CALLER LIST



1 Press the CALLS button to display the caller list.

New Call	: 12
Total	: 56



or



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.

ANSWERING A CALL

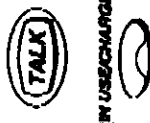
When you receive a call, the name and telephone number of the caller is shown on the LCD display.

When the handset is on the base unit

- 1 When the CY2411 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 time display as soon as answering.



A rectangular LCD display showing the caller's name and number: "Jack Thomson" and "555-1234".

A rectangular LCD display showing the call time: "01:53".

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



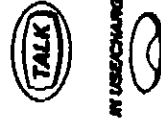
When the handset is off the base unit

- 1 When the CY2411 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.

A rectangular LCD display showing the call time: "01:53".

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



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.



or

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 8 TOTAL 56  
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 55  
Edit Memory  
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 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.

(2) Press the ► button.

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

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

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.

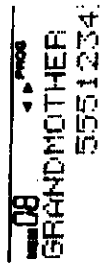
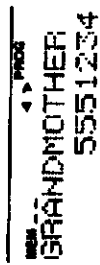
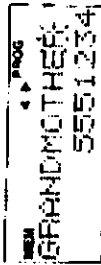
7 Press the MEMORY button.

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.

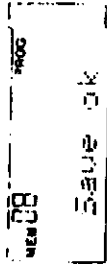
• If the data is stored in a location where data has already been stored, the old data will be overwritten by the new data.

• An error tone will be heard if you press an invalid button or button other than



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.



The character list

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

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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.

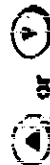
NOTE

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 In the talk mode, 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

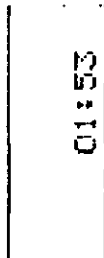
PLACING A CALL

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.



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 recall memory.

OTHER FUNCTIONS

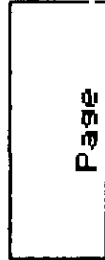
PAGE/FIND

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. *



Using the find function

Press the PAGE button on the base unit for more than 3 seconds and the handset will ring for 30 seconds repeating sequences of three short beeps.



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.



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

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

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