

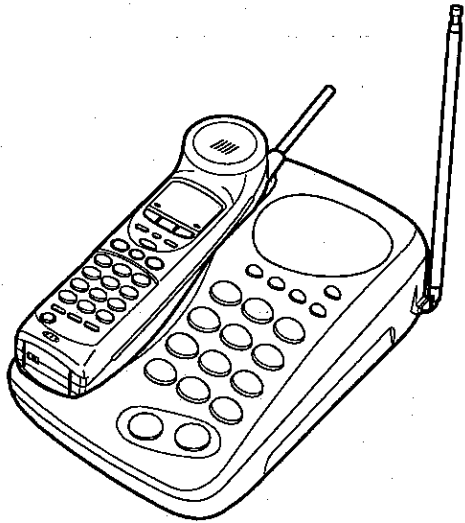
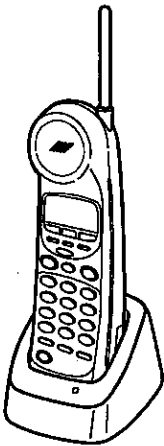
# SANYO

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INSTRUCTION MANUAL

## CLT-9680

Cordless telephone



**AU**

# CONGRATULATIONS

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Your SANYO COMPANDER PLUS cordless telephone is a fine-quality home communications product. It is carefully designed and produced by a world leader of consumer and industrial electronics equipment. With proper maintenance and care, it will provide you with years of enjoyment and convenience.

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Read this information carefully before installing and operating your cordless telephone.

# UNPACKING

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Check to make sure you have all the items that come with the telephone.

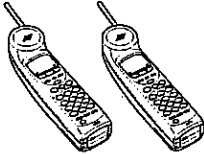
Base station



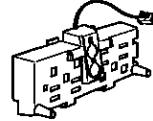
Speed dial directory sheet



Handset with rechargeable battery



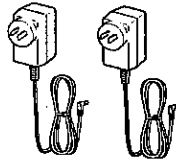
Backup battery case  
(doubles as wall mount bracket)



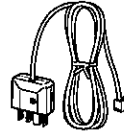
Charger



AC adaptor



Telephone cord



## DESCRIPTION

Cordless telephones operate on the same principle as a two-way radio. The location of the base station determines the range of operation. In most homes, maximum range is obtained by locating the base station at the highest point in the house.

The base station operates from a 240 volt AC electrical outlet. Connect the base station to a telephone line by simply plugging it into a standard telephone jack. The handset is powered by a heavy-duty rechargeable battery.

## CAUTION

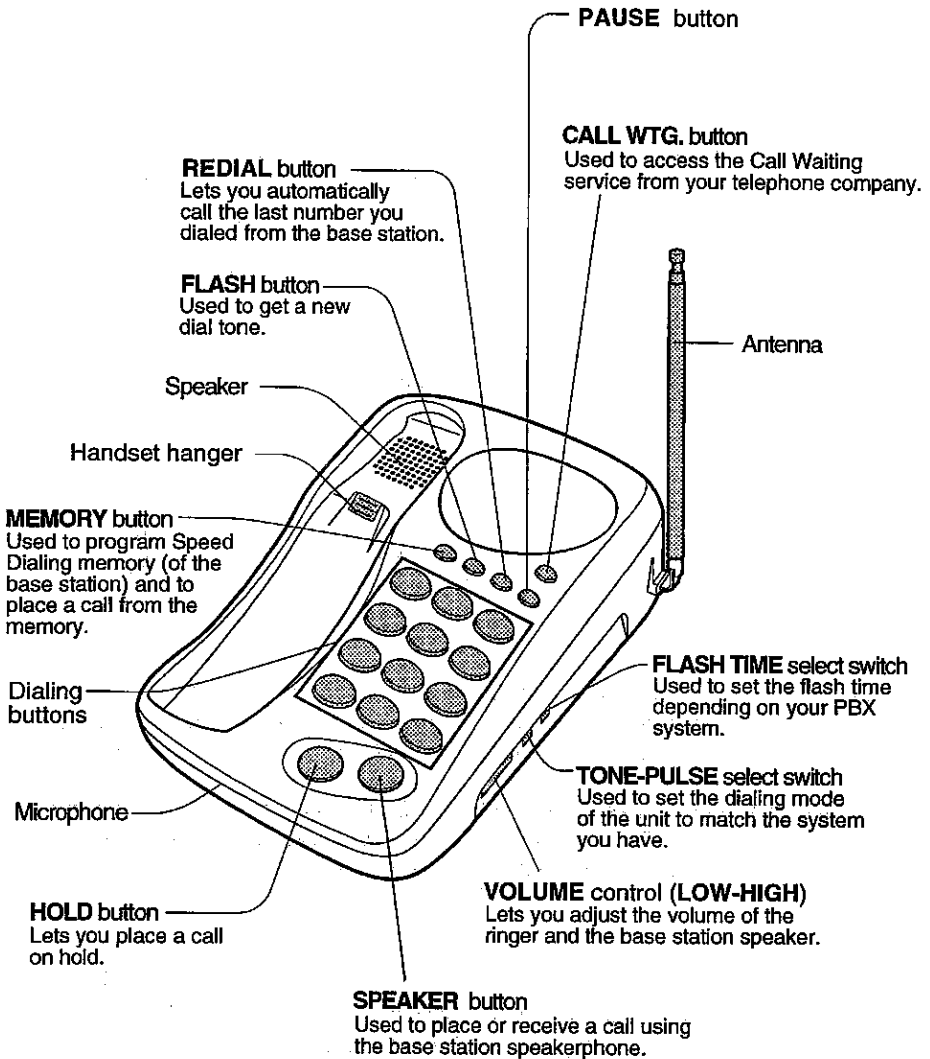
**Charge the handset before using the cordless phone for the first time. Do not attempt to use the phone before charging the battery pack for a full 10 hours.**



# NAMES OF CONTROLS

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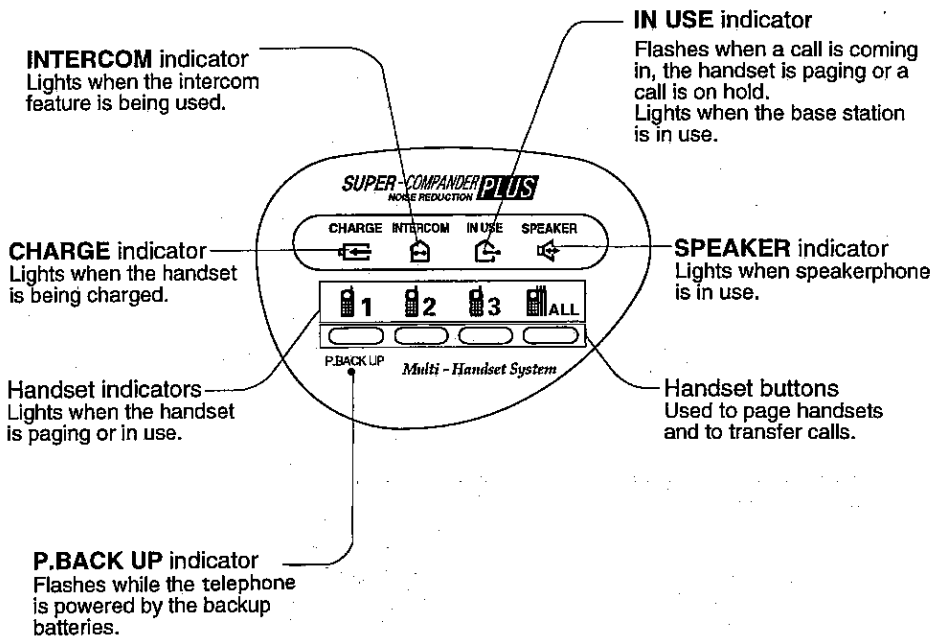
## BASE STATION



# NAMES OF CONTROLS

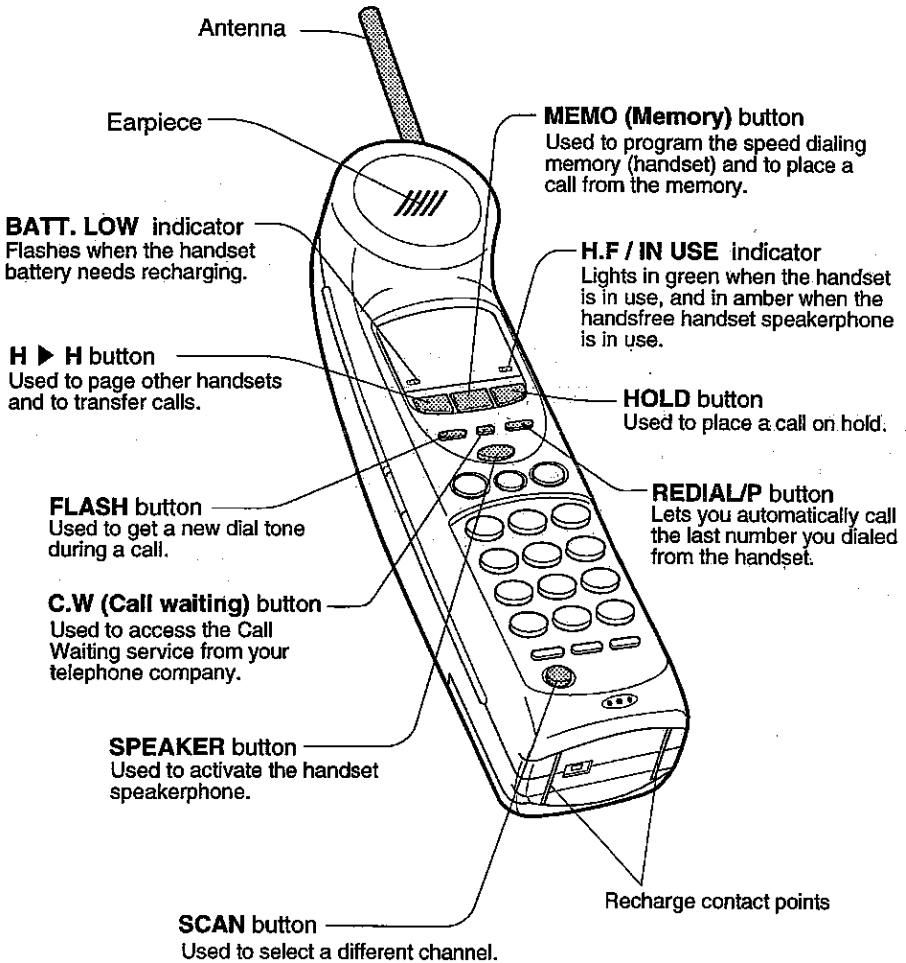
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## BASE STATION



# NAMES OF CONTROLS

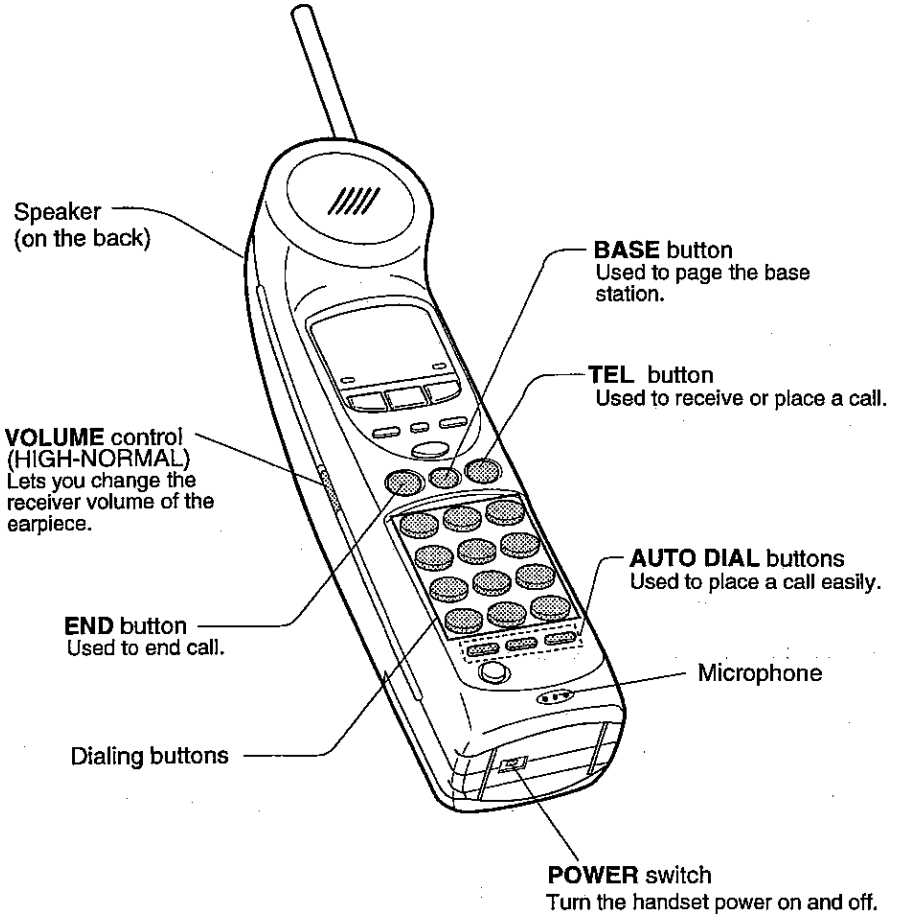
## HANDSET



# NAMES OF CONTROLS

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## HANDSET



# INSTALLATION

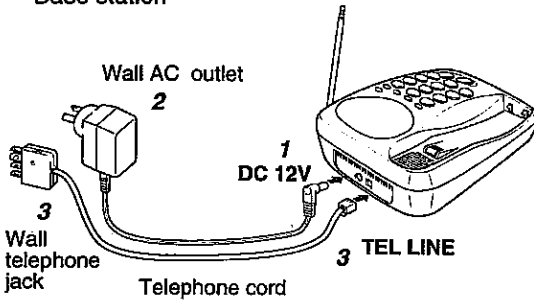
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## LOCATION

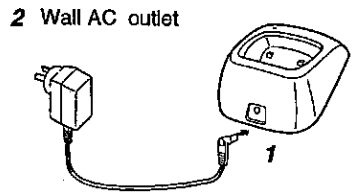
Avoid places near electrical equipment such as refrigerators, computers, TVs or fluorescent lamps. These may cause interference or reduce the operating range of the cordless telephone.

## CONNECTIONS

### Base station



### Remote charger



- 1** Insert the small plug of the AC adaptor into the **DC 12V** jack provided on the back of the base station, and the other small plug of the AC adaptor into the jack at the back of the charger.
- 2** Plug the AC adaptor into an AC 240V wall outlet.
- 3** Insert one plug of the telephone cord into a wall telephone jack and the other into the **TEL LINE** jack on the base station.
- 4** Store the telephone cord by winding it around the cord holder on the back of the base station.
- 5** Extend the base station antenna full-length.

### Direct Wire Connection

If your current phone is wired directly into the wall, have the phone company install a wall telephone jack.

### Party Line or Pay Phone

If you have a party line or a pay phone, telephone companies do not allow the installation of cordless telephones, because they will not work correctly with these systems.



# INSTALLATION

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## DIALING SYSTEM

Set the **TONE-PULSE** switch on the base station to the dialing system used in your home (touch-tone or pulse). If you do not know which system is in use, ask your telephone company.

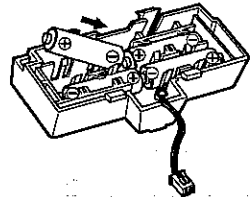


## BACKUP BATTERY INSTALLATION

This cordless telephone has a power failure battery backup system. With four AA batteries properly installed, the backup system allows you to use both handset and base station during a power interruption for up to 20 hours in standby mode or up to 6 hours in talk mode.

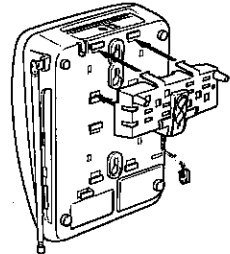
**Note :** The backup duration may be shorter when the backup batteries are not fresh or handset battery is not fully charged.

- 1 Insert four AA batteries (not supplied) in the backup battery case, matching the polarities as indicated in the case.

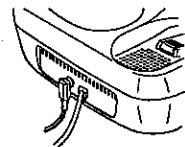


- 2 Attach the battery case underneath the base station using the upper set of four holes. Make sure all four hooks of the case are securely snapped into the four holes of the base. The two legs of the case should be at the back end of the case.

This installation is for desktop use. If you intend to wall-mount the base station, see **Wall mounting** on page 28.

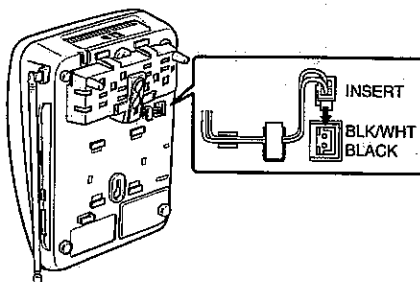


- 3 Make sure that the base station is connected to AC power.

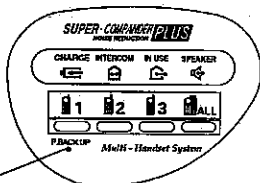


# INSTALLATION

- 4 Plug the cord coming from the battery case into the connector under the base. The **P. BACK UP** indicator lights up.



## < P. BACK UP indicator >



## < Battery indicator >

Battery	AC power
Full	Light
Low	Off

### P. BACK UP indicator

Flashes while the telephone is powered by the backup batteries.  
Turns off when the backup batteries need to be replaced.

## CAUTION

### When installing batteries:

To prevent corrosive leakage from batteries, which can cause personal injury and damage to the unit, observe the following precautions:

- Always use new dry batteries for the backup function. If you use used batteries or if the batteries are drained, the backup function may not work and you may not be able to place a call, even though the **P. BACK UP** indicator is turns off.
- Match the polarities (+ and - signs) on batteries to the polarities shown inside the battery case.
- Do not mix new batteries with old or used ones.
- Only use batteries of the same type and brand.
- If the unit is not to be used for an extended period of time, remove the batteries from the unit.
- Carefully follow the battery manufacture's instructions for proper use and disposal.
- **DO NOT ALLOW YOUNG CHILDREN TO HANDLE BATTERIES.**

### Note

When the batteries are discharged, they must be disposed of in a safe manner that complies with all applicable laws.

## CHARGING THE HANDSET BATTERY

### IMPORTANT

Charge the handset before using the cordless phone for the first time.  
Do not attempt to use the handset before charging it for a full 10 hours.

<The handset is equipped with the Ni-Cd battery pack at the time of factory shipment.>

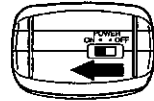
- 1 Place the handset on the base station and charge it for 10 hours.

#### Bidirectional handset

The handset can be placed with the keypad facing up or down.

- 2 Remove the handset from the base station.

- 3 Set the **POWER** switch to **ON**.



The **BATT. LOW** indicator will flash when the handset needs recharging. Simply place the handset in the base station cradle and charge it for 10 hours. It is not necessary to turn the **POWER** switch off after initial charging.

#### Note

- The handset battery can be recharged and reused many times.
- Repeated recharging for a shorter period may reduce the battery time.
- If the handset battery fails (the **BATT. LOW** indicator flashes) even after being charged for 10 hours, replace it with a new Sanyo cordless telephone battery, type **3N-270AA** (See page 24).

# PLACING A CALL

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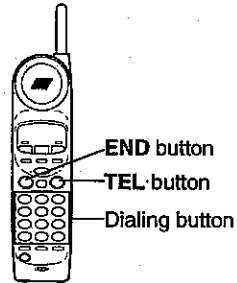
## USING THE HANDSET

Make sure the handset **POWER** switch is **ON**.

- 1 Listen for a dial tone by pick up the handset from the base station, or by pressing **TEL** button.  
The green **H.F / IN USE** indicator lights.

- 2 Dial the number.

- 3 Press **END** to hang up.  
(or return the handset to the base station.)



## To adjust the volume

Use the **VOLUME** control (HIGH-NORMAL) on the side of the handset.

## QUICK TALK ACCESS

If you do not make a call and forget to press the **END** button, the phone will warn you by beeping after 10 seconds. It will automatically cut off after another 10 seconds.

## OUT-OF-RANGE ALARM

A warning beep sounds if you take the handset too far away from the base station while it is in use. You must return to operating area within 30 seconds to prevent the telephone from hanging up automatically.

## MULTICHANNEL ACCESS

This cordless telephone lets you select a channel from 10 frequencies available to transmit signals between the base station and handset. If you notice interference during a call, simply select a different channel by pressing the **SCAN** button on the handset.

# ANSWERING A CALL

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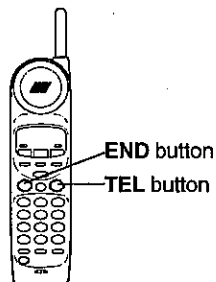
## ANSWERING WITH THE HANDSET

Make sure the handset **POWER** switch is **ON**.

**1** When a call comes in, the handset rings.  
The **H.F / IN USE** indicator and the dialing keypad flash.

**2** Press **TEL** or any key to answer the call.

**3** Press **END** to hang up, or place the handset in the base station cradle.



### Any key answer (Handset only)

Pressing any key allows you to answer the call when a call comes in.

### Dial light (Handset only)

The dialing keypad of the handset flashes when an incoming call is ringing, and lights up for 10 seconds when **TEL** is pressed or the handset is pick up from the base station. Press a dialing button any time to light it up again for 10 seconds.

# USING THE SPEAKERPHONES

The CLT 9680 has two speakerphones--one on the handset and the other on the base station--which allow you to answer and place a call on either unit. Both speakerphones let you have a handsfree phone conversation--no need to hold the handset.

## BASE STATION

### To place a call from the base station:

**1** Press **SPEAKER** to get a dial tone.  
The **SPEAKER** indicator lights.

**2** Dial the number.

**3** Press **SPEAKER** to hang up.

### To answer a call at the base station:

**1** Press **SPEAKER** to answer a call.  
The **SPEAKER** indicator lights.

**2** Press **SPEAKER** again to hang up.

### To adjust the speaker volume:

Adjust the **VOLUME** control left (low) or right (louder). This will also change the ringer volume level.

## HANDSET

### To place a call using the handset speakerphone:

**1** Press **☎** and listen for a dial tone.  
The amber **H.F./IN USE** indicator lights.

**2** Dial the number.

**3** Press **END** to hang up.

### To answer a call using the handset speakerphone:

**1** Press **☎**.  
The amber **H.F./IN USE** indicator lights.

**2** Press **END** to hang up.

### To adjust the speaker volume:

Use the **VOLUME** control ( **HIGH-NORMAL** ) on the side of the handset.

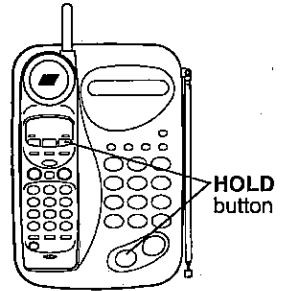
## CAUTION

When using the handsfree handset speakerphone, keep the speaker ( located on the back of the handset ) away from your ear to prevent any damage to your ear.

# HOLD

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When a call is on hold, you and your caller can not hear each other.



## BASE STATION

- 1 Press **HOLD** to place a call on hold.  
    **SPEAKER** indicator flashes.
- 2 Press **HOLD** again or **SPEAKER** to return to the call.

## HANDSET

- 1 Press **HOLD** to place a call on hold.  
    The H.F / IN USE indicator flashes.
- 2 Press **HOLD** again or **TEL** to return to the call.

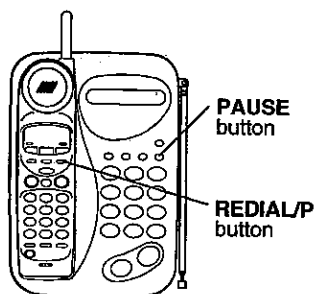
While a call is on hold, notifying tone (a short beep) will be heard every 5 seconds from handset or the base station. If a call is on hold for more than 5 minutes, the telephone automatically cut off from the line.

You can replace the handset on the base station while a call is on hold. To return to the call, press **TEL** or **SPEAKER** on the handset or **SPEAKER** on the base station, or simply pick up the handset.

## PAUSE

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The **PAUSE (REDIAL/P)** button is used in the following manner when the unit is connected to a PBX system. When storing a telephone number in auto dial memory and speed dial memory, pressing the **PAUSE (REDIAL/P)** button after the number used to obtain an outside line, followed by the phone number, results in a 4-second pause between the first number (the outside line accesscode) and the telephone number.



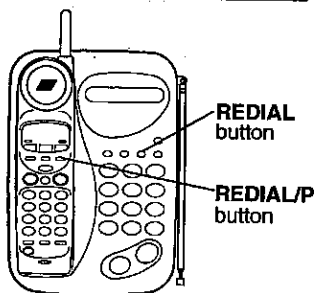
### Note

When the **PAUSE (REDIAL/P)** button is used for the first time after getting a new dial tone, it does not activate the pause function. Instead, it functions as a redial button, causing the last number dialed to be rung.

## REDIAL

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You can automatically redial the last number called ( after getting a busy signal, for example.) This CLT-9680 can redial a number of up to 32 digits.



### BASE STATION

- 1 Press **SPEAKER** to get a new dial tone.
- 2 Press **REDIAL**.  
The last number called from the base station is automatically dialed out.

### HANDSET

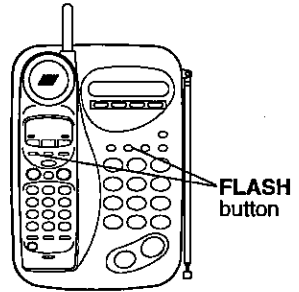
- 1 Press **TEL** to get a new dial tone.
- 2 Press **REDIAL/P**.  
The last number called from the handset is automatically dialed out.



## FLASH BUTTON

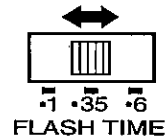
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The **FLASH** button may be used to get a new dial tone without pressing the **END** button or replacing the handset in the base station cradle.



### FLASH TIME

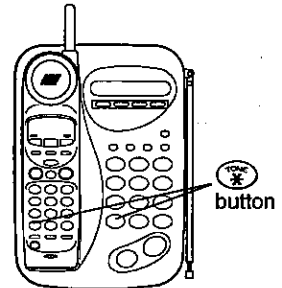
Set the **FLASH TIME** switch on the base station depending on your PBX system (100msec, 350msec or 600 msec ).




## TEMPORARY TONE-DIALING

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If your home is equipped with pulse dialing and your phone is set to pulse mode, you may still change to Touch-Tone dialing temporarily. This allows you to access special services available to Touch-Tone lines (electronic banking systems and remote-control answering machines, for example ).



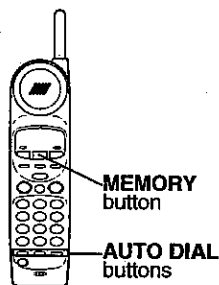
- 1 Dial the number you want to call.
- 2 After your call is connected, press the **TONE**  button.

The telephone stays in tone mode until the call ends. Then it returns automatically to pulse mode.

## AUTO DIAL (Handset only)

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If you store the regularly call numbers, you can call that number only pressing the button ( AUTO 1 - 3 ). Stored phone numbers can have a maximum of 32 digits including pauses.



### To store a number:

(Make sure the handset is in standby mode).

- 1 Press **MEMO** .
- 2 Dial the number you want to store.
- 3 Press **MEMO** .
- 4 Press an AUTO button ( 1 - 3 ).  
You hear a beep. The number is now stored.

### Note

To insert a 4-second pause between two digits in a stored number (after 9 or 0 to get an outside line in a PBX system, for example), press **REDIAL / P** after the first digit.

### To call a number stored in the memory

- 1 Pick up the handset from the base station or press **TEL** .
- 2 Press an AUTO button ( 1 - 3 ).  
The number is dialed out automatically.

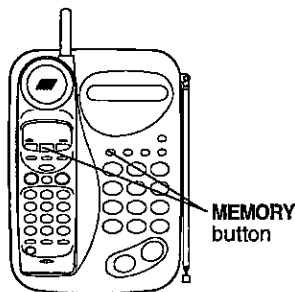
### To delete a number from the handset auto dial memory:

- 1 Press **MEMO** .
- 2 Press **MEMO** again.
- 3 Enter the location number ( AUTO 1 - 3 ).  
You hear a beep.  
The number is now erased.

## SPEED DIAL

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The speed dial memory can store up to a total 30 numbers that you regularly call—each handset and the base station have 10 speed dial numbers. Stored phone numbers can have a maximum of 32 digits including pauses.



### BASE STATION

To store a number:

- 1 Press **MEMORY**.
- 2 Dial the phone number you want to store.
- 3 Press **MEMORY**.
- 4 Press a number button to assign a location number (0 - 9).  
You hear a beep, and the number is now stored.

### HANDSET

To store a number:

(Make sure the handset is in standby mode).

- 1 Press **MEMO**.
- 2 Dial the number you want to store.
- 3 Press **MEMO**.
- 4 Press a number button to assign a location number (0 - 9).  
You hear a beep. The number is now stored.

### Note

To insert a 4-second pause between two digits in a stored number (after 9 or 0 to get an outside line in a PBX system, for example), press **PAUSE** on the base station or **REDIAL/P** on the handset after the first digits.

# SPEED DIAL

---

## BASE STATION

To call a number stored in the memory:

- 1 Press **SPEAKER**.  
The **SPEAKER** indicator lights.
- 2 Press **MEMORY**.
- 3 Enter the location number ( 0 - 9 )  
assigned in the base station.  
The number is dialed out automatically.

To delete a number from the base  
station speed dial memory:

- 1 Press **MEMORY**.
- 2 Press **MEMORY** again.
- 3 Enter the location number ( 0 - 9 ).  
You hear a beep, and the number is now  
erased.

## HANDSET

To call a number stored in the memory:

- 1 Pick up the handset from the base  
station or press **TEL**.
- 2 Press **MEMO**.
- 3 Press the location number ( 0 - 9 )  
assigned in the handset.  
The number is dialed out automatically.

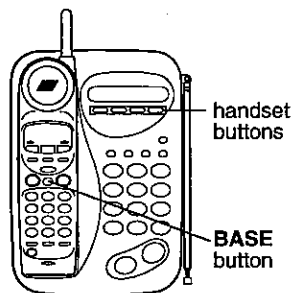
To delete a number from the handset  
speed dial memory:

- 1 Press **MEMO**.
- 2 Press **MEMO** again.
- 3 Enter the location number ( 0 - 9 ).  
You hear a beep.  
The number is now erased.

# INTERCOM

---

You can use the CLT-9680 as a 2-way intercom between the handset and the base station.



## FROM BASE STATION TO HANDSET

### 1 Base station:

Press the handset 1 ( 2 - 3 or ALL) button to page handset.

The **INTERCOM** indicator flashes and handset 1( 2 - 3 or ALL) indicator lights.

### 2 Handset:

Press **BASE** and begin talking.

The **H.F / IN USE** indicator lights.

### 3 Handset:

Press **END** to turn off intercom.

If the handset does not answer within 5 minutes, the base station automatically returns to the standby mode.

## FROM HANDSET TO BASE STATION

### 1 Handset:

Press **BASE** to page the base station.

The **H.F / IN USE** indicator flashes.

### 2 Base station:

A beep sound, and the **INTERCOM** and handset 1 ( 2 - 3 ) indicators light.

The base station user can begin talking.

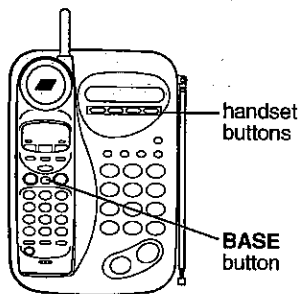
### 3 Handset:

Press **END** to turn off intercom.

Handset user cannot use speakerphone for intercom conversation.

## TRANSFERRING A CALL

A call can be transferred between the handset and the base station, or between handsets.  
(Can not talk between a handset and another handset.)



### FROM BASE STATION TO HANDSET

#### 1 Base station:

Press the handset 1( 2 - 3 or ALL) button to alert the handset user.

The call is put on hold.

The **IN USE** and **INTERCOM** indicators flash and handset 1( 2 - 3 or ALL) indicator lights.

#### 2 Handset:

Press **BASE** to answer the base station.

The **H.F / IN USE** indicator lights.

#### 3 Handset:

Press **TEL** to talk to the caller.

Base station automatically switches to standby mode.

If the handset does not answer, press **SPEAKER** to talk to the caller again.

### FROM HANDSET TO BASE STATION

#### 1 Handset:

Press **BASE** to page the base station.

The call is put on hold.

#### 2 Base station:

A beep sounds, and the **IN USE** indicators flash and handset1( 2 - 3 or ALL) indicator lights.

The base station user can answer the handset.

#### 3 Base station:

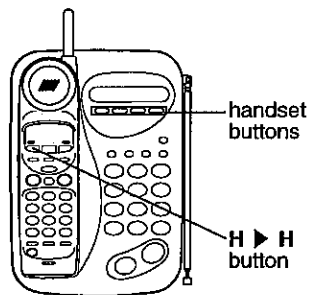
Press **SPEAKER** to talk to the caller.

Handset automatically turns off intercom mode.

If the base station does not answer, press **TEL** to talk to the caller again.

## TRANSFERRING A CALL

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### BETWEEN HANDSETS

(Ex. Handset 1 answers a call, and transfers to handset 2).

#### 1 Handset 1:

Press **H > H** and \* **2** to page the handset 2.

The call is put on hold.

Both handsets beep.

\* **2** ..... handset 2

**3** ..... handset 3

#### 2 Handset 2:

Press **TEL** to talk to the caller.

Handset 1 automatically switches to standby mode.

If handset 2 does not answer for 5 minutes, handset 1 automatically stopped paging.

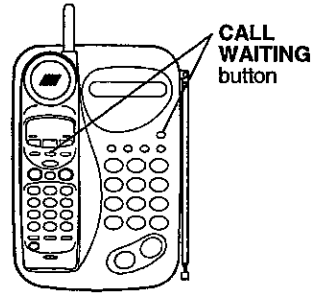
Press **TEL** to talk to the caller.

# CALL WAITING BUTTON

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Call Waiting service must be subscribed from your telephone company or PBX system.

If you subscribe to Call Waiting...



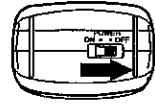
- 1** When a call comes in while you are on the phone, you hear a soft beep.
- 2** Press **C.W** .  
The first caller is put on hold and you can answer the second caller.
- 3** Press **C.W** again to talk to the first caller.  
The second caller is now put on hold.



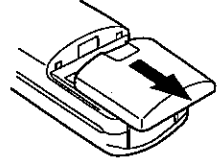
# REPLACING THE HANDSET BATTERY

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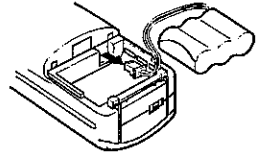
**1** Set the **POWER** switch of the handset to **OFF**.



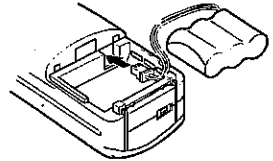
**2** Slide the lid off the battery compartment.



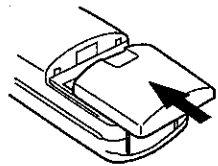
**3** Unplug the battery cord, and remove the old battery.



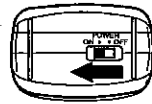
**4** Plug in the cord of the new battery and place it in the compartment.



**5** Replace the lid by sliding it up over the pack until it is firmly in place.



**6** Set the **POWER** switch back to **ON**.



**7** Charge the new battery for 10 hours before use.



Replacement battery part number: **SANYO 3N-270AA**

## CAUTION

Use of wrong battery types may cause serious damage or malfunctions.  
The warranty could be invalidated.

# SECURITY CODE

The security code system prevents other cordless phone users in your neighbourhood from interfering with the operation of your unit, by assigning a same code to both handset and base station. Since the security code of this telephone was selected from 1,000,000 different codes, it is virtually impossible to find any other cordless telephone having the same code as yours. However, if you wish to set your own security code, follow the steps below.

(If you change the personal security code for one Handset, you must change it for all. The last digit of your security code determines which 10 channels will be scanned.)

< For handset 1 >

**1** Disconnect the plug connector of the power failure backup battery case (wall mount bracket).

**2** Disconnect the AC adaptor.

**3** Set the **POWER** switch of the handset to the **OFF** position.

**4** Press and hold \*the handset 1 button on the base station and reconnect the AC adaptor. Release the handset 1 button.



**5** While pressing **END** on the handset, set the **POWER** switch to **ON**. Release **END**.

**6** Enter the desired 6-digit number (000,000 - 999,999) using the dialing buttons on the handset.

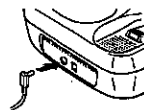
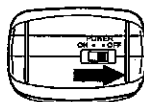
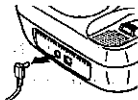
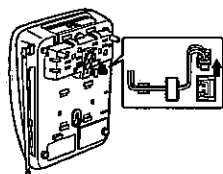
**7** Press **TEL** on the handset.

You hear long beeps from both handset and base station.

Your personal security code is now set.

Steps 4 - 6 must be performed within 20 seconds.

If not, five short beeps sound to indicate that you should start again from step 1.

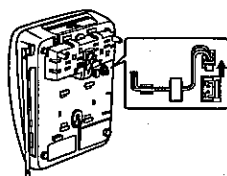


# SECURITY CODE

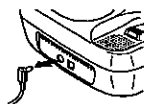
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< For handset 2 >

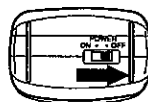
**1** Disconnect the plug connector of the power failure backup battery case (wall mount bracket).



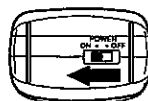
**2** Disconnect the AC adaptor.



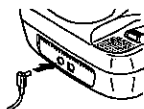
**3** Set the **POWER** switch of the handset to the **OFF** position.



**4** Set the **POWER** switch of the handset to **ON** while holding down **END** on the handset. Release **END**.



**5** Connect the AC adaptor while the **IN USE** indicator is flashing and holding down \*the handset 2 button on the base station to program the handset 2.



You hear long beeps from both the base station and the handset to let you know that programming is finished. If you hear 5 short beeps, you should start again from step 1.

Steps 3 - 4 must be performed within 20 seconds.

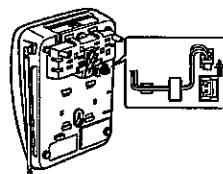
# PROGRAMMING OF HANDSET

The CLT-9680 can operate up to 3 handsets with one base station.

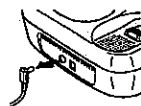
The CLT-9680HS is an additional handset for the CLT-9680. Additional handset must be programmed before initial use. Additional handset cannot be used without programming.

< For additional handset >

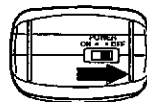
**1** Disconnect the plug connector of the power failure backup battery case (wall mount bracket).



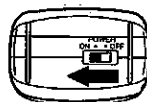
**1** Disconnect the AC adaptor.



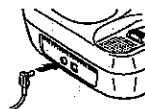
**2** Set the **POWER** switch of the handset to the **OFF** position.



**3** Set the **POWER** switch of the handset to **ON** while holding down **END** on the handset. Release **END**.



**4** Connect the AC adaptor while the **IN USE** indicator is flashing and holding down \*the handset 3 button on the base station to program the handset 3.



You hear long beeps from both the base station and the handset to let you know that programming is finished. If you hear 5 short beeps, you should start again from step 1.

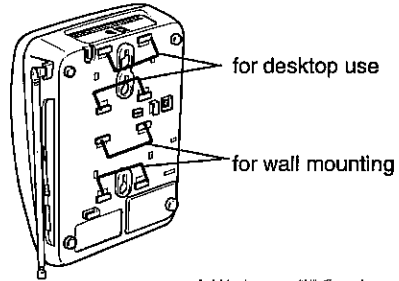
Confirming the programming :

Press the **Handset** button on the base station to confirm that the programmed handset responds. If it does not respond, repeat the programming procedure from the beginning.

Steps 3 - 4 must be performed within 20 seconds.

# WALL MOUNTING

To mount the base station on a wall:



**1** Install four AA batteries in the backup battery case and plug the cord coming from the case into the connector on the back of the base. (see page 9)

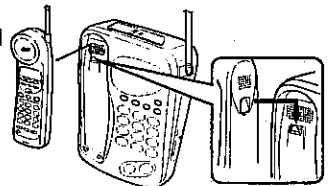
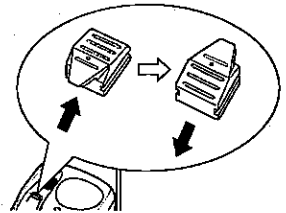
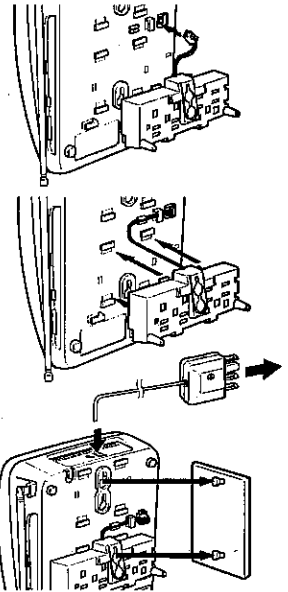
**2** Attach the battery case underneath the base station using the lower set of four holes. Make sure all four hooks of the case are securely snapped into the four holes of the base. The two legs of the case should be at the front end of the base.

**3** Connect the telephone cord to a wall phone plate (not supplied).

**4** Mount the base station on the wall phone plate, and seat it securely.

**5** Remove the handset hanger from the base station, turn it upside down and then reattach it.

**6** Hang the handset on the base station with keypad facing front.



# **TROUBLESHOOTING**

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## **The phone does not work:**

- AC adaptor may not be plugged into wall outlet.
- Handset battery may need recharging.
- Handset may be too far from base station.

## **The communication range becomes shorter:**

- Handset may need recharging.
- Base station antenna may not be extended to full length.

## **Incoming calls do not ring on the handset:**

- Handset may be too far from base station.
- Handset **POWER** switch may be set to **OFF**.

If the phone still does not work, try resetting the base station and handset:

### **To reset base station**

- Disconnect the backup batteries. Then disconnect and reconnect the AC adaptor.

### **To reset handset**

- Set the **POWER** switch to **OFF** and then back to **ON**.
- Disconnect and then reconnect the handset battery.

# **TECHNICAL INFORMATION**

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Cordless telephones use radio frequencies to allow mobility. This affects the performance of your unit.

## **1.NOISE**

Electrical pulse noise is present in most homes at one time or another. This is most intense during electrical storms. Certain kinds of electrical equipment, such as light dimmers, fluorescent bulbs, motors, fans, etc., also generate pulse noise.

Because radio frequencies are susceptible to this, you may on occasion hear pulse noise through the handset. This is usually only a minor annoyance and should not be interpreted as a defect of the unit.

## **2.RANGE**

Because radio frequencies are used, the location of the base station can affect the operating range of the unit. Try several locations and choose the one that gives the clearest signal to the handset. (Turning in a circle while holding the handset may also increase the operating range.)

## **3.INTERFERENCE**

Electronic circuits activate a relay to connect the unit to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals enter the base station. You may hear click or hear the relay activate when you are not using the cordless handset. If this occurs frequently, you can minimize or eliminate the problem by lowering the height of the base station or relocating the base station. It may also be helpful to change the operating channel and/or the security code setting.



**SANYO**