

Your Sanyo **SUPER-COMPANDER** 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.

The CLT-138X has many unique advanced features including:

- **SUPER-COMPANDER** noise reduction
- Extended operating range
- 10-channel auto scan
- 10 million digital security codes
- 10-number dialing memory
- Any key answer
- 14-day standby
- Illuminated handset keypad

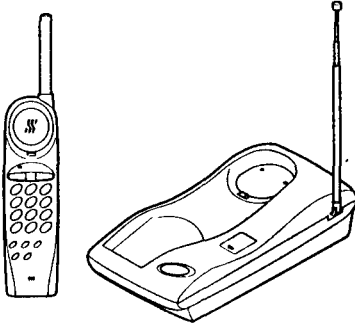
**Notice:**

This cordless telephone uses radio communication between the handset and the base station and may not ensure privacy of communication. Other devices, including other cordless telephones, may interfere with the operation of this cordless telephone or cause noise during operation. Cordless telephones must not cause interference to any licensed radio service.

## INSTRUCTION MANUAL

## CLT-138X

## CORDLESS TELEPHONE



Please read these instructions completely before use.  
If you have a problem with your cordless telephone, please see "TROUBLESHOOTING" section before calling for service.

**CAUTION**  
THIS PRODUCT IS INTENDED FOR USE IN NEW ZEALAND ONLY.  
SALE OR USE IN OTHER COUNTRIES MAY VIOLATE LOCAL LAWS.

**IMPORTANT!**

**HANDSET BATTERY PACK**  
Charge the handset battery pack for a full 12 hours before using your cordless phone for the first time. (See page 3.)

### COMMON PROBLEM - QUICK CHECK GUIDE

"If you have a problem with your cordless telephone, try the following suggestions before calling for service"

NO.	SYMPTOM	CHECK	IF	SOLUTION
1.	NOISE	A. Is the antenna of the base station fully extended?	NO	Fully extend the antenna.
		B. Is there any electronic equipment nearby? (For eg: personal computer, FAX, etc)	YES	Move the base station and handset further away from them.
		C. Is there any object which obstructs radio frequencies between the base station and handset? (For eg: concrete, tile walls or metal object, etc)	YES	Try to move the base station to another location.
		D. Is another cordless phone nearby?	YES	Try to change the channel used by pressing the CHANNEL button on the handset.
		E. Fluorescent lamps or other electronic equipment may generate noise pulses.	YES	Move the base station and handset further away from them.
		F. Are you hearing beeps for battery alarm during phone conversation?	YES	The handset battery is low. Recharge it.
2.	CUT OFF	A. Is the TALK/BATT. LOW indicator lit?	YES	Recharge the handset battery.
		B. Is the telephone line cutting off during phone conversation?	YES	Make certain that the AC adaptor is firmly connected to both the base station and an AC wall outlet. Also make certain that the handset battery is firmly connected to the socket in the compartment.
		C. Is the phone interrupted during phone conversation?	YES	Check the above ITEM (B-E) of NOISE SYMPTOM, No. 1.
3.	NO CHARGE	A. Is the CHARGE/IN USE indication lit with the handset placed on the base station cradle?	NO	Clean the battery charging terminals on the handset and base station with a soft cloth.
		B. Does the TALK/BATT. LOW indicator not go off, even if the handset battery is recharged?	YES	Same as above. If the performance still does not improve, replace the handset battery.
4.	LOSS OF SECURITY CODE	A. Does a continuous beep sound in the handpiece?	YES	1. Place the handset in the cradle of the base station. 2. Press the PAGE/FIND button on the base station (within 8 seconds). A beep sounds within 30 seconds. The security code is now set.

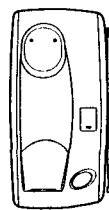
## UNPACKING

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

Handset



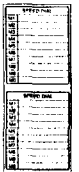
Base station



Battery Pack (SANYO 3N-270AA)



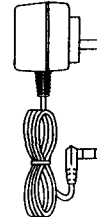
Speed Dial Directory Sheet



Telephone Cord



AC Adaptor



Model No. AD-B135  
INPUT: AC 230V-240V, 50Hz  
OUTPUT: DC 9V, 250mA  
Polarity: Centre Negative



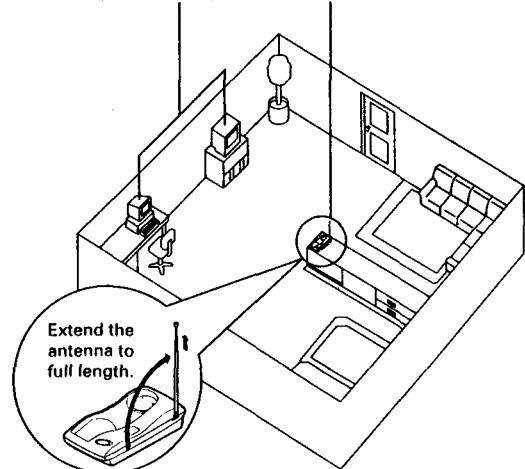
## TIPS FOR BEST PERFORMANCE

### BASE STATION LOCATION

For maximum operating range, extend the base station antenna to full length. In most cases, the best location for the base station is at the highest point in the house. Avoid places near electrical appliances and metal structures such as a refrigerator and filing cabinets that can reduce operating range and performance.

Away from electrical appliances such as a TV, radio, or personal computer.

In a HIGH and CENTRAL location with no obstructions.



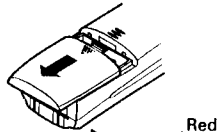
Do not place the base station on top of or near a TV or VCR as this may interfere with the performance of these appliances.

### CAUTIONS:

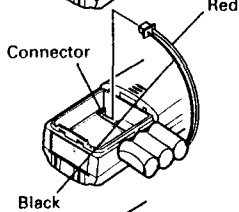
- If you operate this product near water (bathtub, swimming pool, kitchen), take care to avoid contact between the water and the handset.
- Never spill liquid of any kind on the handset. This may cause a malfunction.
- Do not operate this product with dirty hands or allow the handset to be exposed to direct sunlight for extended periods. This can cause blurring, discoloration and fading of the lettering on the handset keypad. Discoloration or fading will have no effect on the telephone performance.
- Connect the AC adapter to a wall outlet that receives power continuously. Do not connect it to a switched outlet.

### INSTALLING THE HANDSET BATTERY AND INITIAL CHARGING

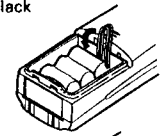
1. Remove the battery compartment lid.



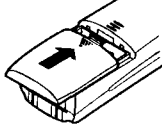
2. Plug the battery cord into the connector inside the compartment



3. Place the battery in the compartment.



4. Replace the lid.



**IMPORTANT:** Charge the handset for a full 12 hours before using the cordless phone for the first time. Never attempt to use the cordless phone before this initial battery charge.

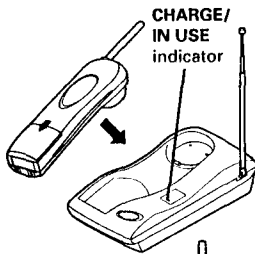
Replacement battery number:

**SANYO 3N-270AA**

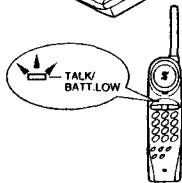
Use of other brands or types of batteries may cause serious damage or equipment malfunctions.

### CHARGING THE HANDSET

1. Place the handset on the base station cradle for 12 hours. The **CHARGE/IN USE** indicator lights.  
\* The base station must be connected to AC power.



2. Remove the handset from the base station.



From then on, recharge the handset for continuous 12 hours when the **TALK/BATT.LOW** indicator flashes at a few seconds intervals. (In addition, a beep sounds at the same intervals during phone use.)

#### Standby time

When the handset battery is fully charged, your Sanyo cordless phone provides up to 14 days of continuous standby time or up to 10 hours of continuous talk time. (Listed standby time is measured under a situation in which handset is kept in standby mode only—no phone calls are made or received). Under normal usage conditions, recharging is required more often.

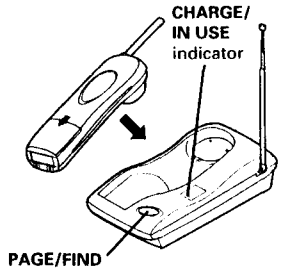
**CAUTION:** Repeated recharging for shorter periods may reduce battery capacity.

### SECURITY CODE

This cordless telephone has a digital security system with 10 million possible codes. This system helps prevent the unauthorized use of your telephone line by another cordless telephone.

#### How to reset your security code

1. Place the handset in the base station cradle.
2. Within 8 seconds, press **[PAGE/FIND]** on the base station.  
The **CHARGE/IN USE** indicator flashes, and then lights steadily. The security code is now set.



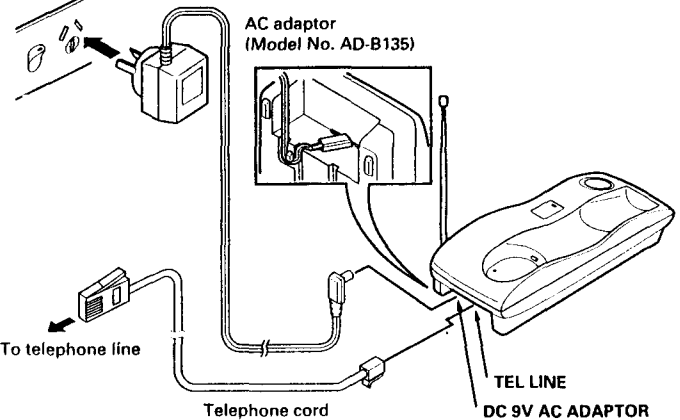
#### NOTES:

- To change your security code at any time, simply repeat the above steps. A new security code is automatically set each time.
- If you experience difficulty in resetting security code, first disconnect the AC adaptor from the unit, reconnect it, and then try again.

### SET-UP

1. Insert the small plug of the AC adaptor cord into the **DC 9V AC ADAPTOR** jack on the back of the base station.
2. Secure the AC adaptor cord under the hook located below the jack, as shown.
3. Plug the AC adaptor into an AC wall outlet.
4. Plug one end of the telephone cord into a telephone wall jack, and the other into the **TEL LINE** jack on the back of the base station.

To power outlet  
(AC 230V, 50Hz)



#### NOTE:

**USE ONLY SANYO AC ADAPTOR MODEL NO. AD-B135 (APPROVAL NO. 14676).**

#### WARNINGS

- This cordless telephone may, on some longer lines, have difficulty handing over to another device connected to the same line.
- Immediately disconnect the equipment should it become physically damaged, and arrange for its disposal or repair.
- The operation of this equipment on the same line as telephones or other equipment with audible warning devices or automatic ring detectors will give rise to bell tinkle or noise and may cause false tripping of the ring detector. Should such problems occur, the user is not to contact Telecom Faults Service.

#### CAUTION

This telephone is for use with a "tone dialing system" only. If you have a pulse dialing line, you can't use this cordless telephone.

## BASIC OPERATION

### BEFORE USING THE PHONE

1. Take the handset to the location you want to use it.
2. Press the **TALK/VOL** button. Verify that you get a dial tone and the **TALK/BATT. LOW** indicator lights. Your handset is ready to use.
3. Place a call or press **END** to hang up.

#### NOTE:

The base station **CHARGE/IN USE** indicator will flash, when **TALK/VOL** button is pressed.

### RINGER VOLUME SETTING

You can set ringer volume low or high in standby mode. Every time you press and hold the **RINGER VOL.** button for at least one second, ringer volume changes between low and high alternately.

When reset, the handset rings at the selected volume level.

### 10-CHANNEL ACCESS/AUTO SCAN

Every time you answer or place a call using the handset, this cordless telephone automatically selects a clear channel from 10 channels available to transmit signals between the base station and handset. If you notice interference during a call, simply press the **CHANNEL** button on the handset to access a clear channel.

### PLACING A CALL

1. Press **TALK/VOL**.  
(Or lift the handset from the base station and then press **TALK/VOL**.)  
The **TALK/BATT. LOW** indicator lights. The dialing buttons also light for approximately 10 seconds.
2. Dial the number.
3. Press **END** to hang up.

#### To adjust the volume

Press **TALK/VOL** once during a call. The volume level changes - normal or loud - each time the **TALK/VOL** button is pressed.

### ANSWERING A CALL

When a call comes in, the dialing buttons flash, the **TALK/BATT. LOW** and **CHARGE/IN USE** indicators flash.

1. Press **TALK/VOL**.  
(Or lift the handset from the base station.)

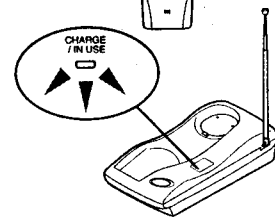
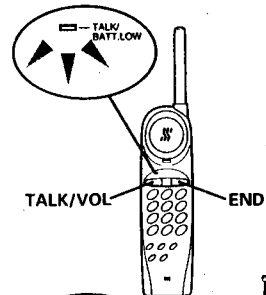
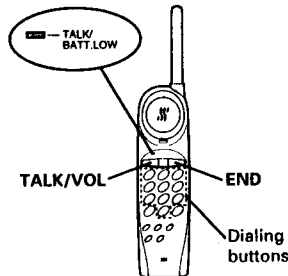
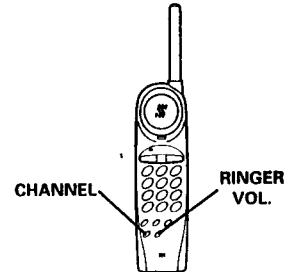
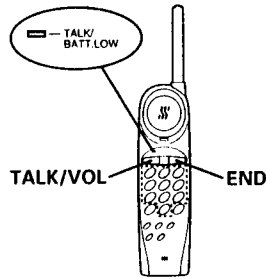
#### ANY KEY ANSWER

You can also press any key on the handset except the **END** key to answer the call.

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

#### NOTE:

If the handset is too far away from the base station, pressing **END** may not hang up a call. If this happens, come closer to the base station and then press **END**.



#### REMEMBER:

Your handset battery needs recharging when you hear a beep every few seconds during phone use. (The **TALK/BATT. LOW** indicator flashes at the same intervals.)

## ADVANCED FEATURES

### SPEED DIAL

The handset can store up to 10 phone numbers in its memory. You can dial a stored number simply by pressing **MEMORY** and the assigned 1-digit memory location number.

#### To store numbers

1. Press and hold the **MEMORY** button for at least one second. The **TALK/BATT. LOW** indicator flashes. The dialing buttons light for approximately 10 seconds.
2. Dial the phone number you want to store. If you make an error while storing a number, press **END** to cancel the operation. To resume, begin with step 1.  
- Up to 16 digits can be stored. (A pause counts as one digit.)

3. Press the **MEMORY** button.

4. Press a number button (0 ~ 9) to assign a memory location number to the phone number.

A beep sounds. The dialing button light, and the **TALK/BATT. LOW** indicator go off. The phone number is now stored in the handset memory.

5. Write the stored phone number on the speed dial directory sheet (included).

6. Repeat steps 1 - 5 to store other numbers or to change previously stored numbers

#### To insert a pause:

Stored phone numbers can include a 2-second pauses between two digits (after 1 to get an outside line in a PBX system, for example). Press **REDIAL/P** after the first digit.

#### To dial a number stored in the memory

1. Press **TALK/VOL**.
2. Press **MEMORY**.
3. Enter the location number (0 ~ 9).

The speed dial memory may be erased if the handset battery is replaced or exhausted.

#### To clear a stored number:

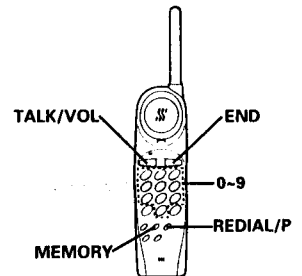
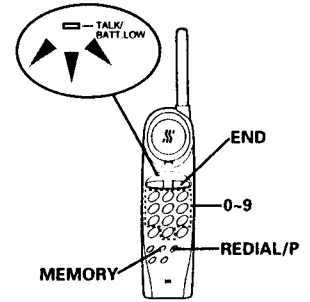
1. Press and hold the **MEMORY** button for at least one second.
2. Press the **MEMORY** button again.
3. Enter the assigned speed dial number. The number stored in this location has been erased.

### REDIAL

You can automatically redial the last number called using **REDIAL/P**. A number of up to 32 digits can be redialed.

#### NOTE:

To redial after hearing a busy signal, press **END**, then **TALK/VOL** and then **REDIAL/P**.



## FLASH BUTTON

The **FLASH** button can also be used to access special services offered by your phone company (CALL WAITING and PBX, for example).

### If you subscribe to CALL WAITING...

1. If a call comes in when you are already on the phone, a beep sounds.
2. Press **FLASH**.  
The first call is placed on hold, and you can talk to the second caller.
3. Press **FLASH** again.  
The second caller is placed on hold, and you can talk to the first caller.

FLASH



FLASH



**NOTE:** The **FLASH** button may also be used to get a new dial tone without pressing **END** button or replacing the handset in the base station cradle. However, if your telephone line has special service features (like CALL WAITING), the **FLASH** button may not operate in this way.

## HANDSET LOCATOR

If you misplace the handset, press the **PAGE/FIND** button on the base station to make the handset beep. (Then the **TALK/BATT.LOW** indicator flashes.)

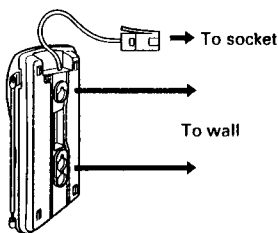


## MAINTENANCE

### WALL MOUNTING

#### To mount the base station on a wall

1. Connect a short modular telephone cord (not supplied) to the wall plate.
2. Mount the base station on the wall phone plate and seat it securely.



### RECHARGEABLE HANDSET BATTERY

Recharge handset in the base station cradle for a continuous 12 hours when the **TALK/BATT.LOW** indicator flashes. (See page 3.)

Repeated recharging for shorter periods may reduce battery capacity.

#### Battery Refresh

If your battery seems to need recharging more often than usual, it may have lost part of its charging capacity because of premature recharging. To return the battery to its full capacity, try the battery refresh procedure.

- Discharge the battery by leaving the handset in talk mode until the **TALK/BATT.LOW** indicator flashes. (First, disconnect base station from phone line.)
- Charge the handset for 12 hours.
- Repeat this procedure once more.

If performance still doesn't improve, it's time to replace the battery.

**REMEMBER:** Reset security code after a battery refresh. (See page 4.)

#### REMEMBER:

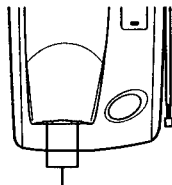
Your handset battery needs recharging when you hear a beep every few seconds during phone use. (The **TALK/BATT.LOW** indicator flashes at the same intervals.)

#### Cleaning the contact points

To ensure that the handset battery charges properly, clean the contact points on the handset and the base station once a month with a soft cloth.



Contact points



Contact points

## MALFUNCTIONS

Although it is unlikely that the base station will malfunction, if it does, disconnect it from the telephone line until proper repairs are completed.

The cordless telephone uses radio frequencies for transmission and reception, and is subject to certain operating conditions. The following conditions are normal and could affect the operation of your system.

### 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 these noise pulses. Because radio frequency transmissions are susceptible to these pulses, on occasion you may hear them in your handset. Generally they are a minor annoyance and should not be interpreted as a defect in your system.

### 2. RANGE

Because radio frequencies are used, the location of the base station can affect the operation range. Try several locations in your home or business and pick the one that gives you the clearest signal to the handset. Turning around while holding the handset may help you find the best position.

### 3. INTERFERENCE

Electronic circuits activate a relay to connect the cordless telephone 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 clicks or hear the relay activate while you are not using the cordless handset. If this starts occurring frequently, it can be minimized or eliminated by lowering the height of your base station antenna, or relocating the base station. Check for interference before selecting your final base station location by plugging it in and monitoring it for clicks.

Two cordless systems should not be operated too close to each other because of interference. This interference can be reduced by lowering your base station antenna, thereby reducing its range.

## TROUBLESHOOTING

Most cordless phone problems can be corrected quickly and easily — without service. If you experience difficulties, try the suggestions below before taking your phone in for service.

#### If the phone doesn't work at all

- Security code may have been canceled. To reset, see page 4.
- AC adaptor may not be plugged into wall outlet or base station.
- Telephone line may not be connected.
- Handset battery may be extremely low. If **TALK/BATT.LOW** indicator flashes in talk mode, recharge battery. (See page 7.)
- Handset may be too far from base station. Move closer.

#### The operating range seems shorter

- Check the base station location for interfering objects. (See page 2.)
- Extend the base station antenna to full length.

#### Handset battery life or standby time seems shorter

- Battery may not be fully charged due to dirty contact points. Wipe with a soft cloth.
- Handset battery may have been repeatedly recharged before being fully exhausted. Try Battery Refresh. (See page 7.)
- Battery may need replacing. (See page 3.)

#### Incoming calls do not ring on handset

- Handset may be too far from base station. Move closer.
- More than one cordless phone is connected to the same line and they may be using a same channel. Change the channel of a phone by pressing the **CHANNEL** button.

#### Reception is noisy (interference, hum or static)

- Switch to a clearer channel. (See page 5.)
- Base station may be too close to electrical equipment. Try another location.
- Handset may be too close to large metal object(s). Move to another location, or change direction while using handset.
- Lower base-station antenna to reduce interference range.

#### If phone still does not work

- Reset base station and handset as follows:
  1. Disconnect AC adaptor, and then reconnect AC adaptor to reset base station.
  2. Disconnect then reconnect the handset battery.
  3. Reset security code. (See page 4.)

**SANYO**

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(NZ)

SANYO Electric Co., Ltd.  
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