

APPENDIX A

(FCC Ref. 2.1033(b)(3))

"Installation and Operating Instructions
Furnished to the User"

Appendix A(1) - User's Guide

27700



**40-Channel 2.4 GHz
Cordless Telephone
User's Guide**



We bring good things to life.

FCC REGISTRATION INFORMATION

Your telephone equipment is registered with the Federal Communications Commission and is in compliance with parts 15 and 68, FCC Rules and Regulations.

1 Notification to the Local Telephone Company

On the bottom of this equipment is a label indicating, among other information, the FCC Registration number and Ringer Equivalence Number (REN) for the equipment. You must, upon request, provide this information to your telephone company.

The REN is useful in determining the number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, you should contact your local telephone company.

Notes

- This equipment may not be used on coin service provided by the telephone company.
- Party lines are subject to state tariffs, and therefore, you may not be able to use your own telephone equipment if you are on a party line. Check with your local telephone company.
- Notice must be given to the telephone company upon permanent disconnection of your telephone from your line.

2 Rights of the Telephone Company

Should your equipment cause trouble on your line which may harm the telephone network, the telephone company shall, where practicable, notify you that temporary discontinuance of service may be required. Where prior notice is not practicable and the circumstances warrant such action, the telephone company may temporarily discontinue service immediately. In case of such temporary discontinuance, the telephone company must: (1) promptly notify you of such temporary discontinuance; (2) afford you the opportunity to correct the situation; and (3) inform you of your right to bring a complaint to the Commission pursuant to procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.

The telephone company may make changes in its communications facilities, equipment, operations or procedures where such action is required in the operation of its business and not inconsistent with FCC Rules and Regulations. If these changes are expected to affect the use or performance of your telephone equipment, the telephone company must give you adequate notice, in writing, to allow you to maintain uninterrupted service.

INTERFERENCE INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) This device must accept any interference received, including interference that may cause undesired operation.

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 (that is, the antenna for radio or television that is "receiving" the interference).
- Reorient or relocate and increase the separation between the telecommunications equipment and receiving antenna.
- Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

HEARING AID COMPATIBILITY

This telephone system meets FCC standards for Hearing Aid Compatibility.

2

FCC NUMBER IS LOCATED ON THE CABINET BOTTOM
REN NUMBER IS LOCATED ON THE CABINET BOTTOM

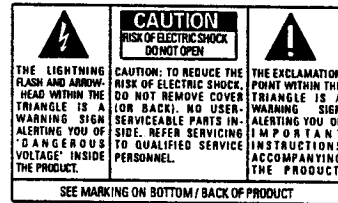
INTRODUCTION

Your cordless telephone is designed to give you flexibility in use and high quality performance. To get the most from your new cordless telephone, we suggest that you take a few minutes right now to read through this instruction manual:

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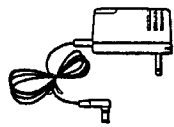
WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



BEFORE YOU BEGIN

PARTS CHECKLIST

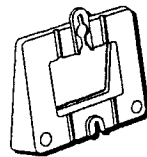
Make sure your package includes the items shown below.



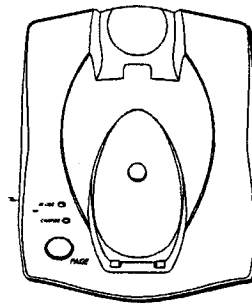
AC power supply



Telephone line cord



Mounting bracket



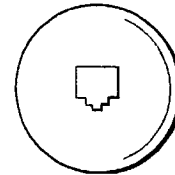
Base



Handset

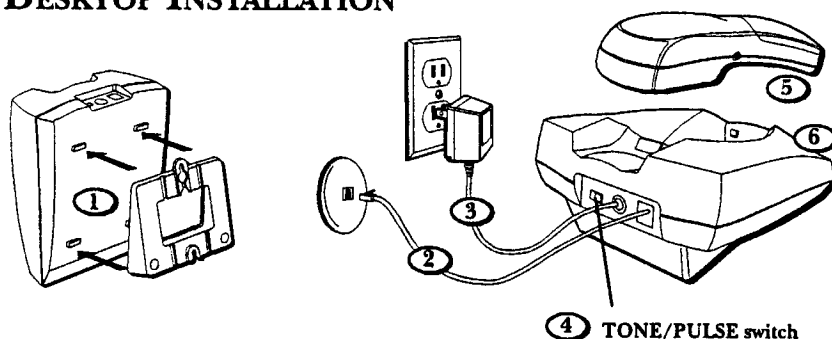
MODULAR JACK REQUIREMENTS

You need an RJ11 type modular jack, which is the most common type of phone jack and might look like the one pictured here. If you don't have a modular jack, call your local phone company to find out how to get one installed.



INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference continues, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

DESKTOP INSTALLATION



1. Attach the mounting bracket by inserting the tabs on the smaller end of the bracket into the slots on the bottom of the base. Push the tabs in on the larger end of the bracket into the upper slots and snap into place.
2. Plug the telephone line cord into the PHONE LINE jack on the back of the base and into a modular jack.
3. Plug the power supply cord into the 9V DC jack on the base and into an AC outlet.
4. Set the TONE/PULSE switch to TONE for touch-tone service, or PULSE for rotary service. If you don't know which type of service you have, check with the phone company.
5. Set the RINGER switch on the handset to ON.
6. Place handset in the base to charge for 12 hours. The CHARGE indicator comes on to show that the battery is charging.

If you don't charge the handset battery properly (for 12 hours) when you first set up the phone, the battery's long-term performance will be compromised.

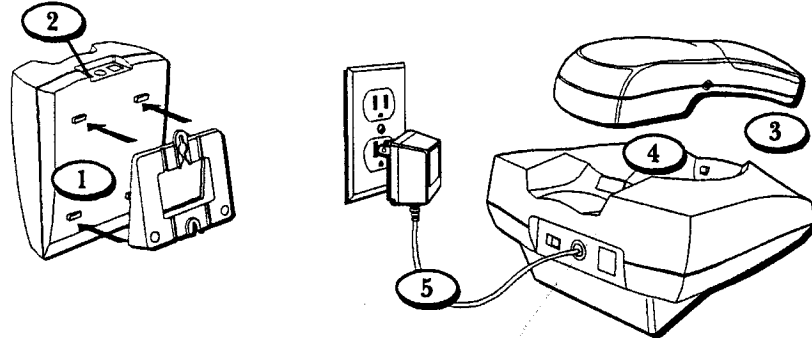
CAUTION: Use only the Thomson 5-2473 power supply that came with this unit. Using other adapters may damage the unit.

DIGITAL SECURITY SYSTEM

Your cordless phone uses a digital security system to provide protection against false ringing, unauthorized access, and charges to your phone line.

When you place the handset in the base, the unit verifies its security code. After a power outage or battery replacement, you should place the handset in the base for about 20 seconds to reset the code.

WALL MOUNT INSTALLATION

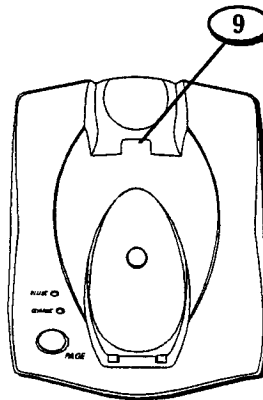
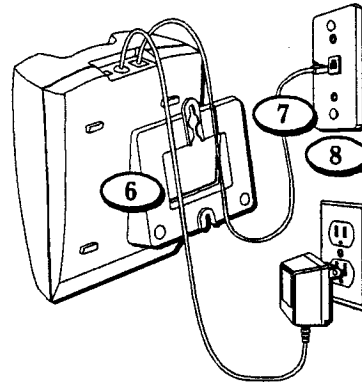


Because it is necessary to charge the handset for 12 hours prior to connecting the phone for use the first time, it is better to leave the unit on a flat surface during initial charge before attempting to hang it on the wall.

1. Attach the mounting bracket by inserting the tabs on the smaller end of the bracket into the slots on the bottom of the base. Push the tabs in on the larger end of the bracket into the upper slots and snap into place.
2. Set the TONE/PULSE switch to TONE for touch-tone service, or PULSE for rotary service. If you don't know which type of service you have, check with the phone company.
3. Set the RINGER switch on the handset to ON.
4. Place the handset in the base.
5. Connect the power supply cord into the base and the other end into an AC outlet. The CHARGE indicator comes on, showing the battery is charging.

Allow the phone to charge for 12 hours before using the first time. If you don't charge the phone properly when you first set up the phone, performance of the battery will be compromised.
(Installation continued on the following page.)

6. Remove the mounting bracket. Rotate it so that the bottom of the phone is flat. Reattach the mounting bracket by inserting the tabs into the slots on the top of the unit first, and then snapping the bottom tabs into place.
7. Plug the telephone line cord into the jack marked PHONE LINE on the back of the unit and plug the other end into a modular wall jack.
8. Slip the mounting holes over the wall plate posts and slide the unit down firmly into place. (Wall plate not included.)
9. Remove the handset hook; turn it upside down, and put it back in the slot. You need to do this so the handset doesn't fall out of the base.



CAUTION: Use only the Thomson 5-2473 power supply that is compatible with this unit. Using other power supplies may damage the unit.

CORDLESS PHONE BASICS

MAKING A CALL

To make a call, press the TALK button before you dial and press it again to hang up.

AUTO STANDBY

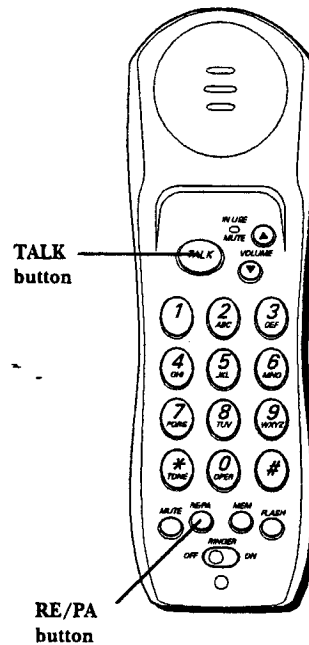
While the handset is on, place it in the base and it will automatically hang up.

REDIAL

Press the TALK button, then press the RE/PA button to redial the last number you called (up to 32 digits).

RECEIVING A CALL

To answer a call when the handset is out of the base, press any button.



FLASH

Use the FLASH button to activate custom calling services such as call waiting or call transfer, which are available through your local phone company.

IMPORTANT: Don't use the TALK button to activate custom calling services such as call waiting, or you'll hang up the phone.

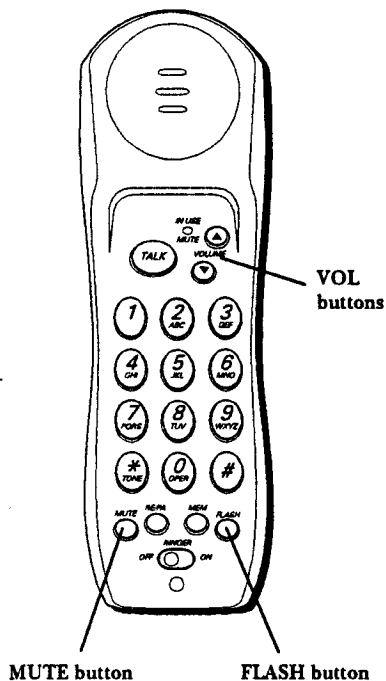
MUTE

Use the MUTE button to interrupt a phone conversation to talk privately with someone else in the room.

1. Press MUTE to activate the Mute feature.
2. Press MUTE again to turn it off.

VOLUME

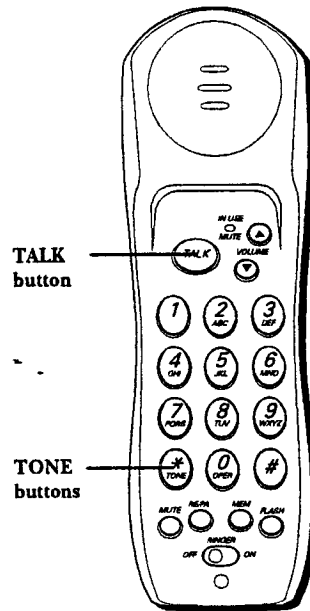
To change the volume press VOLUME up or down while you're talking on the phone.



TEMPORARY TONE

This feature enables people who have pulse (rotary) service to access touch-tone services offered by banks, credit card companies, etc., by pressing the tone button to temporarily make the phone touch-tone compatible. To get information about your bank account, for example, you would:

1. Press the TALK button.
2. Call the bank's information line.
3. Press either TONE button after your call is answered.
4. Follow the bank's voice instructions to complete your transaction.
5. Hang up when finished. The phone returns to pulse (rotary) service.

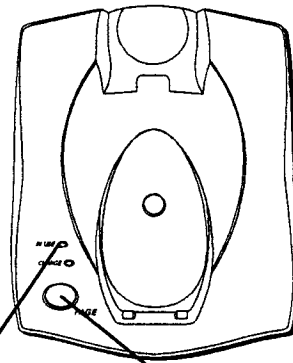


FINDING THE HANDSET

This feature helps to locate a misplaced handset.

Press the PAGE button on the base. The handset beeps continuously for about 2 minutes or until you press any button on the handset.

NOTE: The ringer does not have to be on for this feature to work.



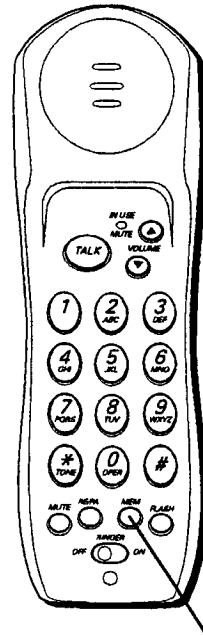
IN USE indicator PAGE button

MEMORY

You can store up to 20 numbers in memory for quick dialing.

STORING A NUMBER IN MEMORY

1. Make sure the phone is **OFF**.
2. Press the **MEM** button.
3. Dial the number to be stored (up to 16 digits).
4. Press **MEM** again.
5. Press a memory location button (01-20).
6. Write whose number you just stored in the location on the memory label provided.



MEM button

INSERTING A PAUSE IN THE DIALING SEQUENCE

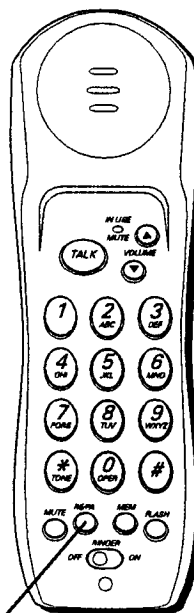
Use the RE/PA button to add pauses to a dialing sequence, for example after you dial 9 for an outside line.

CHANGING A STORED NUMBER

Use the same procedure to change a stored number as you do to store a number—you're just replacing the phone number with a different one.

DIALING A STORED NUMBER

1. Make sure the phone is ON.
2. Press the desired memory location (01-20). The number dials automatically.



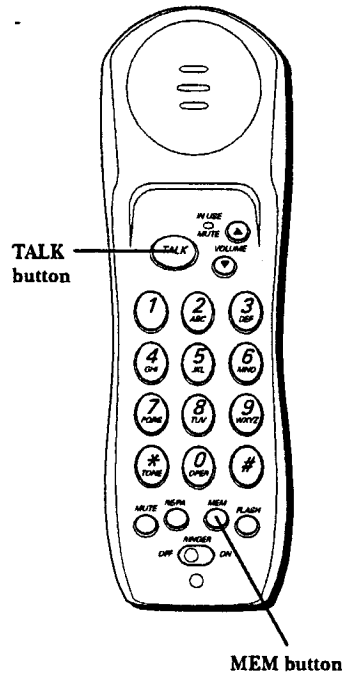
RE/PA
button

CHAIN DIALING FROM MEMORY

Use this feature to make calls which require a sequence of numbers, for instance if you use a calling card for a frequently called long distance number. Basically, you dial each part of the sequence from memory. The following example shows how you can use chain dialing to make a call through a long distance service:

<i>The Number For</i>	<i>Memory Location</i>
Long distance access number	07
Authorization code	08
Frequently called long distance number	09

1. Press the TALK button to get a dial tone.
2. Press the MEM button and then press 07.
3. When you hear the access tone, press MEM and then press 08.
4. At the next access tone, press MEM and then 09.



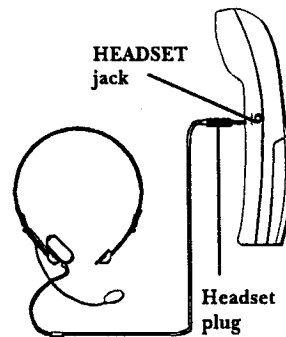
HEADSET AND BELT CLIP OPERATION (OPTIONAL)

CONNECTING A HEADSET TO THE HANDSET

For hands free conversation, connect the headset (not included) to the HEADSET jack as shown. The handset receiver and microphone are disabled when the headset is connected.

Adjust the headset to rest comfortably on top of your head and over your ear. Move the microphone to approximately 2 to 3 inches from your mouth.

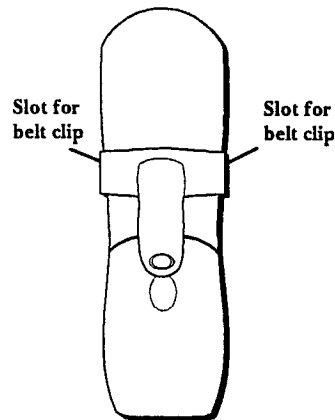
- Press the TALK button to answer or place a call before using the headset.



CONNECTING THE BELT CLIP

There are two slots, one on each side of the handset.

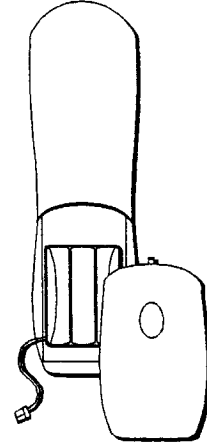
- Attach the belt clip (not included) by inserting the sides of the belt clip into the slots. Snap the ends of the belt clip into place.



CHANGING THE BATTERY

Make sure the phone is **OFF** before you replace battery.

1. Remove the battery compartment door.
2. Disconnect the cord attached to the battery pack and remove the battery pack from the handset.
3. Insert the new battery pack and connect the cord into the jack inside the handset.
4. Put the battery compartment door back on.
5. Place handset in the base to charge. **If you don't charge the handset battery properly (for 12 hours) when you first set up the phone and/or when you install a new battery pack, the battery's long-term performance will be compromised.**



BATTERY SAFETY PRECAUTIONS

- Do not burn, disassemble, mutilate, or puncture. Like other batteries of this type, toxic materials could be released which can cause injury.
- To reduce the risk of fire or personal injury, use only the battery listed in the User's Guide.
- Keep batteries out of the reach of children.
- Remove batteries if storing over 30 days.



NOTE: The RBRC seal on the battery used in your Thomson Consumer Electronics product indicates that we are participating in a program to collect and recycle Nickel Cadmium batteries throughout the United States of America. Please call 1-800-8-BATTERY for information or contact your local recycling center.

TROUBLESHOOTING GUIDE

In case of difficulty, please check the following Troubleshooting Guide before seeking service.

<i>Problem</i>	<i>Solution</i>
No dial tone	<ul style="list-style-type: none">• Check installation:<ul style="list-style-type: none">– Is the base power cord connected to a working outlet?– Is the telephone line cord connected to the base unit and the wall jack?• Disconnect the base from the wall jack and connect another phone to the same jack. If there is no dial tone in the second phone, the problem might be your wiring or local service.• Is the handset out of range of the base?• Make sure the battery is properly charged (12 hours).• Is the battery pack installed correctly?• Did the handset beep when you pressed the TALK button? Did the IN USE indicator come on? The battery may need to be charged.• Place handset in base for 10 seconds to reset the phone.• If the phone still does not work, disconnect the power cord and remove the battery pack. Then reconnect the power cord and reinstall the battery pack. Place handset in the base for 10 seconds to allow it to reinitialize.
Dial tone is OK, but can't dial out	<ul style="list-style-type: none">• Make sure the TONE/PULSE switch on the base is set correctly.
Handset does not ring	<ul style="list-style-type: none">• Make sure the RINGER ON/OFF switch is turned to ON.• You may have too many extension phones on your line. Try unplugging some phones.• See solutions for "No dial tone."

<i>Problem</i>	<i>Solution</i>
Cannot hear phone	<ul style="list-style-type: none"> • Press VOLUME up button on the handset.
You experience noise, or fading in and out	<ul style="list-style-type: none"> • Charge battery. • Is handset out of range? Move closer to the base. • Does the base need to be relocated? • Make sure base is not plugged into an outlet with another household appliance.
Unit beeps	<ul style="list-style-type: none"> • You may be receiving an out-of-range alert, move closer to the base. • Place handset in base for 10 seconds to reset the phone. The IN USE indicator blinks and then goes out after the unit resets. • Put handset in base for 12 hours to recharge battery. • Clean charging contacts on handset and base with a soft cloth or an eraser. • See solutions for "No dial tone." • Replace battery.
MUTE indicator keeps flashing	<ul style="list-style-type: none"> • The base unit and the handset aren't connecting with each other. Place the handset in the base for 10-15 seconds.
Cannot hear the PAGE/FIND tone	<ul style="list-style-type: none"> • Set the RINGER to ON.
Range is shorter than normal	<ul style="list-style-type: none"> • Position the base antenna upward.
Battery will not hold a charge	<ul style="list-style-type: none"> • Make sure the battery is properly charged (12 hours). • Make sure battery contacts on both the handset and the base are making contact and are clean; free of dirt or lint. • When the handset is placed in the base, make sure that the base CHARGE indicator is on.
Memory Dialing does not work	<ul style="list-style-type: none"> • Memory location must be 2 digits (i.e., 01,02, etc.). • Did you program the memory location keys correctly? • Did you follow proper dialing sequence? • Make sure TONE/PULSE switch is correctly set.

GENERAL PRODUCT CARE

To keep your telephone working and looking good, follow these guidelines:

- Avoid putting the phone near heating appliances and devices that generate electrical noise (for example, motors or fluorescent lamps).
- DO NOT expose to direct sunlight or moisture.
- Avoid dropping the handset, as well as other rough treatment to the phone.
- Clean the phone with a soft cloth.
- Never use a strong cleaning agent or abrasive powder because this will damage the finish.
- Retain the original packaging in case you need to ship the phone at a later date.
- Periodically clean the charge contacts on the handset and base with a soft cloth.

CAUSES OF POOR RECEPTION

- Aluminum siding.
- Foil backing on insulation.
- Heating ducts and other metal construction can shield radio signals.
- You're too close to appliances such as microwaves, stoves, computers, etc.
- Atmospheric conditions, such as strong storms.
- Base is installed in the basement or lower floor of the house.
- Base is plugged into an AC outlet with other electronic devices.
- Handset battery is low.
- You're out of range of the base.

SERVICE

FCC requires this product to be serviced only by the manufacturer or its authorized service agents. In accordance with FCC requirements, changes or modifications not expressly approved by Thomson Consumer Electronics could void the user's authority to operate this product. For instructions on how to obtain service, refer to the warranty included in this user's guide or contact Consumer Information at **1-800-448-0329**.

Attach your sales receipt to the booklet for future reference or jot down the date this product was purchased or received as a gift. This information will be valuable if service should be required during the warranty period.

Purchase date _____ Name of store _____

CUSTOMER: CUT ALONG DOTTED LINE. ✂

ACCESSORY ORDER FORM (OR CALL 1-800-338-0376 FOR ACCESSORIES ONLY)

DESCRIPTION	CATALOG NUMBER	PRICE*	QUANTITY	TOTAL
Replacement handset battery	5-2447	\$9.95		
AC power supply	5-2473	\$16.00		
Belt clip	5-2479	\$10.85		
Headset	5-2425	\$36.35		

*Prices are subject to change without notice.

Total Merchandise.....\$

Sales Tax.....\$

We are required by law to collect the appropriate sales tax for each individual state, county, and locality to which the merchandise is being sent.

Use VISA or MasterCard or Discover preferably. Money order or check must be in U.S. currency only. No COD or Cash. All accessories are subject to availability. Where applicable, we will ship a superseding model.

Shipping/Handling.....\$ **\$5.00**

Total Amount Enclosed.....\$

Mail order form and money order or check (in U.S. currency) made payable to Thomson Consumer Electronics, Inc. to:

TCE

Mail Order Department

P.O. Box 8419

Roanoke, VA 17573-9419

Name _____ Apt. _____

Address _____ State _____ ZIP _____

City _____ State _____ ZIP _____

Daytime Phone Number (_____) _____

For credit card purchases

Your complete charge card number, its expiration date and your signature are necessary to process all charge card orders.

Copy your complete account number from your VISA card.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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My card expires:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Copy your complete account number from your MasterCard or Discover.

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Copy the number above your name on the MasterCard

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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My card expires:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Authorized Signature _____

Please make sure that this form has been filled out completely.

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LIMITED WARRANTY

What your warranty covers:

- Any defect in materials or workmanship.

For how long after your purchase:

- One year.

(The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.)

What we will do:

- Provide you with a new or, at our option, a refurbished unit.
- The exchange unit is under warranty for the remainder of the original product's warranty period.

How to make a warranty claim:

- Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.
- Include evidence of purchase date such as the bill of sale. Also print your name and address and a description of the defect. Send via standard UPS or its equivalent to:

Thomson Consumer Electronics, Inc.
11721 B Alameda Ave.
Socorro, Texas 79927

- Pay any charges billed to you by the Exchange Center for service not covered by the warranty.
- Insure your shipment for loss or damage. Thomson accepts no liability in case of damage or loss en route to Thomson.
- A new or refurbished unit will be shipped to you freight prepaid.

What your warranty *does not* cover:

- Customer instruction. (Your Owner's Manual provides information regarding operating instructions and user controls. For additional information, ask your dealer.)
- Installation and set-up service adjustments.
- Batteries.
- Damage from misuse or neglect.
- Products which have been modified or incorporated into other products.
- Products purchased or serviced outside the USA.
- Acts of God, such as but not limited to lightning damage.

Product Registration:

- Please complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

How state law relates to this warranty:

- This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you purchased your product outside the USA:

- This warranty does not apply. Contact your dealer for warranty information.

Model 27700
15495110 (Rev. 0 E/S)
00-12
Printed in China

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