

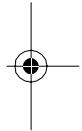
Cat. No. 43-1032

OWNER'S MANUAL

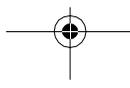
Please read before using this equipment.

ET-532

10-Channel Cordless Telephone with LCD Display



Radio Shack



FEATURES

Your Radio Shack ET-532 10-Channel Cordless Telephone with LCD Display offers the latest advances in cordless phone technology, and includes these features:

LCD Display — lets you see phone numbers as you dial them or recall them from the ET-532's memory.

10-Channel Selector — lets you easily select the channel with the best range and least interference.

Advanced Super CCT Circuitry — provides clarity comparable to a corded phone, reduces background noise, and increases effective operating distance.

COM-LOK — ensures that other cordless phone users cannot use your phone line while the handset is on the base.

Automatic Security Access Code — changes each time you return the handset to the base to help prevent other cordless phone users from using your phone line while the handset is off the base.

Flash — sends an electronic switch-hook signal for use with special phone services such as call waiting.

Handset Volume Control — lets you control the volume of the sound you hear through the handset.

Lighted Keypad — lights when you press a key or when the phone rings to make the phone easy to use in a dark room.

Redial — quickly redials the last number dialed with the touch of a button.

Touch Tone or Pulse (Rotary) Dialing — lets you connect your phone to either type of service.

30-Number Memory Dialing — lets you store 30 phone numbers in memory for easy dialing.

Please read this Owner's Manual carefully so you can enjoy all of your telephone's features.

Important: Cordless phones such as this one require AC power to operate. When the AC power is off, you cannot dial out or receive incoming calls using your ET-532. For this reason, the ET-532 cordless phone should not be your only telephone. To be safe, you should also have a phone that does not require AC power to operate (not a cordless phone) so you can still make and receive calls if there is an AC power failure.

© 1995 Tandy Corporation.
All Rights Reserved.

COM-LOK and Radio Shack are registered trademarks used by Tandy Corporation.

This telephone has been tested and found to comply with all applicable UL and FCC standards.

Your ET-532 operates on standard radio frequencies, as allocated by the FCC. Therefore, it is possible for other radio units operating on similar frequencies, within a certain area, to inadvertently intercept your conversations and/or cause interference on your cordless telephone. This lack of privacy can occur with any cordless telephone.

For your records, we urge you to record the serial number of your phone in the space below. The serial number is located on the bottom panel of the base.

Serial Number _____

Warning: To prevent fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.



READ THIS BEFORE INSTALLATION

We have designed your telephone to conform to federal regulations, and you can connect it to most telephone lines. However, each device that you connect to the phone line draws power from the phone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is shown on the bottom of your phone's base.

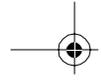
If you are using more than one phone or other device on the line, add up all the RENs. If the total is more than five, your phone might not ring. In rural areas, a total REN of three might impair ringer operation. If ringer operation is impaired, remove a device from the line.

FCC STATEMENT

This telephone complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your phone company. These numbers are located on the bottom of your phone's base.

Note: You must not connect your phone to any of the following:

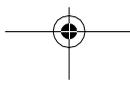
- Coin-operated systems
- Party-line systems
- Most electronic key phone systems



CONTENTS



Installation	6
Selecting a Location	6
Installing the Phone	6
Preparation	7
Installing the Battery	7
Charging the Battery	7
Setting the Dialing Mode	8
Operation	9
Making/Answering a Call	9
Using the Handset at the Base	9
Using the Handset Away from the Base	9
Reducing Interference	10
Using Redial	10
Using Flash	10
Using Tone Services on a Pulse Line	11
Using Page	11
Memory Dialing	11
Storing a Number in Memory	12
Entering a Pause in a Memory Number	13
Dialing a Stored Number	13
Chain Dialing	14
Testing Stored Emergency Numbers	14
Troubleshooting	15
Care and Maintenance	17
Replacing the Battery	18
The FCC Wants You to Know	18
Lightning	19





INSTALLATION

SELECTING A LOCATION

Select a location for the telephone that meets these requirements:

- Near an AC outlet
- Near a telephone line jack
- Out of the way of normal activities
- Away from electrical machinery, electrical appliances, and metal walls or filing cabinets
- Away from wireless intercoms, alarms, and room monitors

The base's location affects the phone's range. If you have a choice of several locations, try each one to see which provides the best performance.

If the phone line jack is not a modular jack, you must update the wiring yourself, using jacks and adapters available at your local Radio Shack store. Or, you can let the phone company update the wiring for you.

Notes:

- The phone company will charge you for the installation of the necessary jacks.
- The USOC number of the jack to be installed is RJ11C.

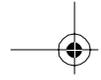
INSTALLING THE PHONE

Follow these steps to install the base on a desk, shelf, or table.

1. Plug one end of the supplied modular cord into the phone jack on the back of the base.
2. Plug the modular cord's other end into a modular phone line jack.
3. Insert the supplied AC adapter's barrel plug into the **DC 12V** jack on the back of the base.
4. Plug the adapter into a standard AC outlet.

For the best reception, fully extend the base's antenna and place it in a vertical position.

Caution: You must use a 120V AC/12V DC adapter that delivers at least 200 milliamps. Its center tip must be positive, and its plug must correctly fit the phone's **DC 12V jack**. The supplied adapter meets these requirements. Using an adapter that does not meet these requirements could damage the phone or the adapter.



PREPARATION



INSTALLING THE BATTERY

Before you use your phone for the first time, you must install and charge the battery.

To install the battery, slide off the battery compartment cover on the back of the handset, connect the battery's plug to the pins inside the compartment, and place the battery inside the compartment.

CHARGING THE BATTERY

When you install a new battery, set **POWER** to **OFF**. Then place the handset on the cradle so the **CHARGE/TALK** indicator lights and let the battery charge for about 15 hours.

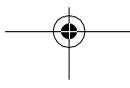


Replace the cover, then follow the instructions under "Charging the Battery."

When **CHARGE/TALK** on the handset lights, recharge the battery. To avoid damage to the battery, always recharge the handset before battery power grows too weak to light **CHARGE/TALK**.

Notes:

- You can set **POWER** to **ON** while the battery charges.



- If the CHARGE/TALK indicator does not light when you place the handset on the cradle, be sure the battery is connected to the pins inside the battery compartment and the AC adapter is securely connected to the base. Also, check the charging contacts on the handset and base. If the contacts are dirty or tarnished, gently clean them with a pencil eraser.

SETTING THE DIALING MODE

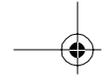
Set **TONE/PULSE** on the back of the base for the type of service you have.

If you are not sure which type you have, do this test.

- About once a month, fully discharge the battery by keeping the handset off the cradle until flashes, then return the handset to the cradle and fully recharge the battery. If you do not fully discharge and recharge the battery periodically, it loses its ability to fully recharge.
- The first time you use your phone after installing a new battery, the handset might not work and might sound an error tone when you press **TALK**. This might also occur when you recharge a battery that has been completely discharged. If this happens, be sure the handset is turned on, then return the handset to the cradle for 5 seconds. This resets the security access code.

1. Set **TONE/PULSE** to **TONE**.
2. Lift the handset and listen for a dial tone.
3. Press any number other than 0.
4. If the dial tone stops, you have touch-tone service.

If the dial tone continues, you have pulse service. Set **TONE/PULSE** to **PULSE**.



OPERATION



Your ET-532's LCD display shows telephone numbers as you dial them or when you recall them from memory. It shows the current channel number and lets you know when battery power is growing weak or the phone is out of range of the base. The display also shows indicators when you press **FLASH** or **PAUSE**, or when you switch from tone to pulse dialing.

To make a call, lift the handset from the base and press **TALK** so the keypad and the CHARGE/TALK indicator on the base light.

MAKING/ANSWERING A CALL

You can use your cordless telephone in two ways: at the base or away from the base.

Note: **CH** and the currently used channel number appear on the display. This number might change when you return the handset to the base.

To disconnect a call, replace the handset on the base.

Using the Handset at the Base

You can use the handset at the base like a regular corded telephone. Just set **POWER** to **ON** and place the handset in the cradle.

Using the Handset Away from the Base

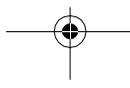
To make or answer a call, set **POWER** to **ON** and press **TALK**. The keypad and CHARGE/TALK indicator light.

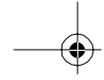
To disconnect a call, press **TALK** so the keypad light and the CHARGE/TALK indicator turn off.

Notes:

- **CH** and the currently used channel number appear on the display.
- To conserve battery power, you can turn off the handset's power when you are not making or answering a call.

To answer a call, just lift the handset from the base.





- You can make or answer a call on a phone on the same line as the cordless phone, even if the handset is away from the base.
- **RANGE** appears when the distance from the handset to the base is out of the phone's range.
- The keypad lights on the handset turn off if no button is pressed for more than 13 seconds.

REDUCING INTERFERENCE

To reduce interference, press **CH** to switch to the next channel (10 channels in all) until you receive the best reception. **CH** and the channel number appear on the display.



The redial memory holds up to 80 digits in the tone mode or 81 digits in the pulse mode. The redial memory also holds pause entries (see "Entering a Pause" under "Memory Dialing").

Note: We recommend you not use **REDIAL** to dial numbers that include a tone (*) entry (see "Using Tone Services on a Pulse Line").



USING FLASH

Use **FLASH** on the handset to perform the switchhook operation for special services, such as call waiting.

USING REDIAL

To quickly redial the last number you dialed, simply lift the handset from the base and press **TALK** again so the CHARGE/TALK indicator lights, and then press **REDIAL**. The redialed number appears on the display.



For example, if you have call waiting, press **FLASH** to take an incoming call without disconnecting the current call. **FLASH** appears. Press **FLASH** again to return to the first call.

Notes:

- If you do not have special phone services, pressing **FLASH** might disconnect the current call.
- The redial memory does not store a **FLASH** entry or any digits entered after you press **FLASH**.

USING TONE SERVICES ON A PULSE LINE

Some special services, such as bank by phone, require tone signals. If you have pulse service, you can still use these special tone services by following these steps.

1. Set **TONE/PULSE** on the base to **PULSE**.
2. Dial the service's main number.
3. When the service answers, press * on the keypad. **A** appears on the display. Then dial the additional numbers. The phone sends these numbers as tone signals.
4. When you complete the call, place the handset on the cradle or press **TALK** to disconnect the call. The phone automatically resets to the pulse mode.

Note: We recommend you not use **RE-DIAL** to dial numbers that include a tone (*) entry.

USING PAGE

The **PAGE** feature allows someone at the base to page you at the handset. It also helps you find the handset if you misplaced it.

With the handset's power on, the handset beeps four sets of two beeps when you press **PAGE** on the base. The **TALK** key on the handset flashes, and the channel number and **INT** appear on the display.

Note: The handset will not beep during a call.

MEMORY DIALING

You can store up to 30 phone numbers for quick and easy dialing. Each stored number can be up to 16 digits long.



Notes:

- If **TONE/PULSE** is set to **PULSE** and you want to use tone dialing for a memory number, you must store the tone entry along with the number.
- To keep your accounts secure, we recommend you do **NOT** store your personal access code for services such as bank-by-phone in a memory location.

2. Enter the phone number you want to store. The number appears on the display.

Storing a Number in Memory

1. With the handset's power on, press **MEMORY**. The keypad lights and **MEM** appears on the display.

Notes:

- The phone does not dial the number at this point.
- If you enter a wrong digit, press **FLASH/DEL** to delete the last entered digit.
- If you enter more than 16 digits, the phone buzzes and the display turns off. To dial a number with more than 16 digits, see "Chain Dialing."

3. Press **MEMORY** again.
4. Enter the two-digit memory location number (**01, 02 30**) where you want to store the number. The index number appears, and a long beep sounds. The phone number is now stored in the memory.

Note: While you are storing a number in memory, if you do not press any button on the keypad within about 9 seconds, the keypad light turns off and a buzz sounds. You must press **MEMORY** again so the keypad lights before you can store the telephone number.



5. Pull out the memory index card at the bottom of the base. Write the person's or company's name and index number on the sheet in pencil (in case you want to change it later).

Note: If a buzz sounds, you did not successfully clear the memory location. Try the process again.

Entering a Pause in a Memory Number

In some telephone systems, you must dial an access code (9, for example) and wait for a second dial tone before you can dial an outside number. If your phone is connected to one of these systems, you might want to enter a pause at the appropriate point when you store a phone number in memory.

6. Repeat Steps 2-5 to store other telephone numbers.

Notes:

- If you receive a call while you are storing a number in memory, press **TALK** to answer the call. After the call, begin again at Step 1 to store the number.
- To change a phone number stored in memory, simply store a new phone number in that location.
- To clear a memory location so no number is stored there, press **MEMORY** twice, then press the location number. A long beep sounds. The phone number is now cleared from the memory.

At the appropriate place in the number, press **PAUSE** to enter a 2-second pause. **P** appears. For a longer pause, press **PAUSE** again.

Note: Each **PAUSE** entry uses one digit of memory.

Dialing a Stored Number

There are two ways to dial a stored number.

Method 1

1. Lift the handset from the cradle and press **TALK** so the keypad and **TALK** key light.



2. When you hear a dial tone, press **MEMORY**, then press the number buttons for the correct memory location. The stored number appears on the display, and the phone dials the stored number.

or bank-by-phone), store the service's main phone number in one memory location and numbers for additional information in other memory locations.

To chain dial memory numbers, follow these steps.

1. With the handset's power on, press **MEMORY** and the memory-location number for the service's main number. The numbers appear.

2. Wait for the service to answer.

Note: If you use pulse dialing to dial the service, be sure you have stored a * (tone) entry in the next memory location used to send the additional information.

3. Press **MEMORY** and the numbers for the memory location where the additional information is stored. The numbers appear.

4. To disconnect the call, press **TALK** so the **TALK** key does not light.

Method 2

1. Lift the handset from the cradle and press **TALK** so the keypad and **TALK** key light.
2. Press **SCROLL** s/t to search for the desired stored number. The selected number appears on the display.

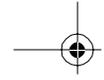
3. Press **ENTER**. The phone dials the stored number.

Chain Dialing

When storing numbers for special services (such as alternate long distance

Testing Stored Emergency Numbers

If you store an emergency service's number (police department, fire department, ambulance) and you want to test the stored number, make the test call during the late evening or early morning to avoid peak demand periods. Remain on the line to explain the reason for your call.



TROUBLESHOOTING



We do not expect you to have any problems with your telephone, but if you do, the following suggestions might help. If you still have problems, check other phones on the same line to see if they work properly. If they do and the problem does not seem to be with your phone service, take your phone to your local Radio Shack store for assistance.

Problem: The handset does not work.

Solutions:

- Be sure **POWER** is set to **ON**.
- Move handset closer to the base.
- Be sure the phone line cord and AC adapter are correctly and securely connected.
- Be sure the battery is charged.
- Fully extend the base's antenna vertically.
- Return the handset to the cradle for 10 seconds, then try again.

Problem: Volume drops or you hear unusual sounds.

Solution: Someone has picked up another phone on the same line. Hang up the other phone.

Problem: Call is noisy.

Solutions:

- Do not place the base near appliances or large metal objects.
- Hang up and redial the number.

- Keep the handset away from interference sources such as computers, remote control toys, wireless microphones, wireless alarm systems, wireless intercoms and room monitors, fluorescent lights, and electrical appliances. If the interference is severe, turn off the interfering device.
- Press **CH** to switch to another channel.

Problem: The handset's range decreases.

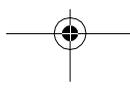
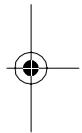
Solutions:

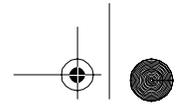
- Fully extend the base's antenna vertically.
- Return the handset to the cradle, and recharge the battery.
- Be sure the antenna is not touching a metal surface.

Problem: Receiver sound flutters or fades.

Solutions:

- Be sure the battery is charged.
- Fully extend the base's antenna vertically.
- Move handset closer to the base.





Problem: Can make calls, but telephone does not ring.

Solution:

- Telephone company may be using unusual ringing methods. Your telephone is designed for standard straight line bridged ringing.
- Be sure **POWER** is set to **ON**.

Problem: Can receive calls, but cannot make calls.

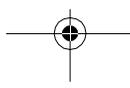
Solution:

- Set **TONE/PULSE** correctly for the type of service you have (see "Setting the Dialing Mode").
- Check with the phone company to see if service is out in your area.



Problem: You cannot answer/make a call and the handset sounds an error tone when you lift it from the base or press **TALK**.

Solution: The phone might be receiving interference from another RF signal; or, if the handset is away from the base during a long period of AC power failure, the phone might lose its access protection code. Return the handset to the base for 5 seconds.



CARE AND MAINTENANCE

Your ET-532 10-Channel Cordless Telephone with LCD Display is an example of superior design and craftsmanship. The following suggestions will help you care for your phones so you can enjoy it for years.



Keep the phone dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic circuits.



Handle the phone gently and carefully. Dropping it can damage circuit boards and cases and cause the phone to work improperly.



Use and store the phone only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the phone away from dust and dirt which can cause premature wear of parts.



Wipe the phone with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your phone.

Modifying or tampering with the phone's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your phone is not performing as it should, take it to your local Radio Shack store for assistance. If the trouble is affecting the phone lines, the phone company might ask you to disconnect your phone until you have resolved the problem.

REPLACING THE BATTERY

If you follow the instructions in "Charging the Battery," the supplied battery should last for about a year. When the battery loses its ability to fully charge, order a 3.6 volt, 300 milliamp battery with a connector that fits the connector in the battery compartment. You can order a replacement battery through your local Radio Shack store.

Install the new battery as described below, then charge the battery (see "Charging the Battery").

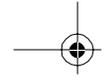
1. Slide off the battery compartment cover and loosen the plastic strap securing the battery. Then remove the old battery.
2. Insert the new battery in the compartment and secure it with the plastic strap. Then connect the battery's plug to the pins inside the compartment.
3. Replace the battery compartment cover.

Important: Your telephone contains a rechargeable nickel cadmium battery. At the end of the battery's useful life, it must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area. Some options that might be available are: municipal curb-side collection, drop off boxes at retailers, recycling collection centers, and mail back programs.

THE FCC WANTS YOU TO KNOW

In the unlikely event that your phone causes problems on the phone line, the phone company can temporarily discontinue your service. If this happens, the phone company attempts to notify you in advance. If advance notice is not practical, the phone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, operations, or procedures that could affect the operation of the phone. The phone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your phone service.



Your phone might cause TV or radio interference even when it is operating properly.

To determine whether your phone is causing the interference, turn off your phone. If the interference goes away, your phone is causing the interference. Try to eliminate the interference by:

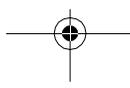
- Moving your phone away from the receiver
- Connecting your phone to an AC outlet that is on a different electrical circuit from the receiver
- Contacting your local Radio Shack store for help

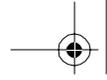
If you cannot eliminate the interference, the FCC requires that you stop using your phone.

LIGHTNING

Your phone has built-in protection circuits to reduce the risk of damage from surges in phone line current. These protection circuits meet or exceed FCC requirements. However, lightning striking the phone lines can damage your phone.

Lighting damage is not common. Nevertheless, if you live an area that has severe electrical storms, we suggest that you unplug your phone during storms to reduce the possibility of damage.





RADIO SHACK LIMITED WARRANTY

This telephone product is warranted against manufacturing defects in material and workmanship for one (1) year from the date of purchase from Radio Shack company owned stores and authorized Radio Shack franchisees and dealers. Within this period **bring your Radio Shack sales slip** as proof-of-purchase date to any Radio Shack store.

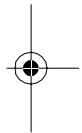
This warranty does not cover damage or failure caused by or attributable to Acts of God, abuse, misuse, improper or abnormal usage, faulty installation, improper maintenance, lightning or other incidence of excess voltage, or any repairs other than those provided by a Radio Shack Authorized Service Facility, or transportation costs. **Radio Shack is not responsible or liable for indirect, special, or consequential damages arising out of or in connection with the use or performance of the product or other damages with respect to loss of property, loss of revenue or profit, or costs of removal, installation or reinstallation.**

EXCEPT AS PROVIDED HEREIN, RADIO SHACK MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not allow the limitation or exclusion of incidental or consequential damages and some states do not allow limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser. There will be charges rendered for repairs to the product made after the expiration of the aforesaid one (1) year warranty period.

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

We Service What We Sell

9/94



RADIO SHACK
A Division of Tandy Corporation
Fort Worth, Texas 76102

7A5

Printed in Hong Kong

