

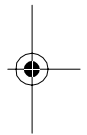
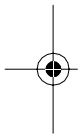
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OWNER'S MANUAL

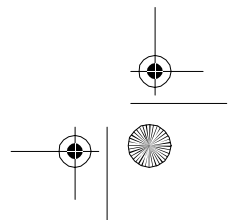
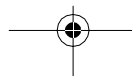
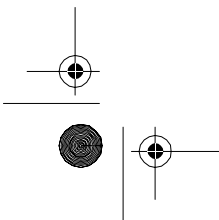
Please read before using this equipment.

ET-518

**Cordless Telephone
with 9-Memory Speed-Dialing**



Radio Shack



FEATURES

Your Radio Shack ET-518 Cordless Telephone with 9-Memory Speed Dialing offers the latest advances in cordless phone technology. It includes the following features:

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

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

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

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

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

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

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

Note: Your phone comes with a battery, which you must install, connect, and charge before you use your phone for the first time.

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 cordless phone. For this reason, this cordless phone should not be your only telephone. To be safe, you should also have a phone that does not need AC power to operate (not a cordless phone) so you can still make and receive calls if there is an AC power failure.

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: _____

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

Your cordless telephone operates on standard radio frequencies, as allocated by the FCC. Therefore, it is possible for other radio units operating on simi-



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lar 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.

However, your cordless phone is available in four different factory-set frequencies. If you have problems with interference, you can exchange your phone within 30 days of purchase for one that uses a different frequency.

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 phone to conform to federal regulations, and you can connect it to most phone lines. However, each device that you connect to the phone line draws power from the 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.

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.

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

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

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INSTALLATION

SELECTING A MOUNTING LOCATION

You can mount the base on a wall plate or directly on a wall. Or, you can place it on a desk, shelf, or table. Select a location that is:

- Near an AC outlet
- Near a telephone line jack
- Out of the way of normal activities
- Away from computers, remote control toys, wireless microphones, wireless intercoms, alarms and room monitors, fluorescent lights, electrical machinery, electrical appliances, metal walls, filing cabinets, and other large metal objects

For the best reception, you should be able to fully extend the base's antenna and place it in a vertical position.

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

If the phone line jack is not a modular jack, you must update the wiring your-

self, using jacks and adapters available at your local Radio Shack store. Or, you can let the phone company update the wiring for you.

- The phone company will charge you for the installation of the necessary jacks.
- The USOC number of the jack to be installed is RJ11C for a base-board jack and RJ11W for a wall-plate jack.

Placing the Base on a Desktop

Follow these steps to place 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 **12V DC** jack on the back of the base.

4. Plug the adapter into a standard AC outlet.

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

Mounting the Base on a Wall Plate

You need a short modular cord (such as Cat. No. 279-390, not supplied) and a standard wall plate (Cat. No. 279-382, not supplied), for this mounting method.

1. Plug one end of the short modular cord into the **PHONE** jack on the back of the base.

2. Route the short cord downward through the top left slot on the base's bottom and under the clips as shown.

3. Route the other end of the short cord through the hole in the bracket's center.
4. To attach the supplied bracket to the bottom of the base, insert the tabs on the bracket into the slots on the base, then slide the bracket up.

5. Insert the supplied AC adapter's barrel plug into the **12V DC** jack on the back of the base. Then route the adapter's cord through the right slot on the base's bottom and under the clips as shown. Plug the adapter into a standard AC outlet.

8. Press and lift out the handset holder. Rotate the holder 180° as shown, and then snap it back into place so it holds the handset.

6. Plug the short modular cord into the wall plate's jack.

7. Align the bracket's keyhole slots with the wall plate studs and slide the base downward to secure it.

Note: If you later want to mount the base on a desktop, press **PUSH** and slide the bracket down to remove it from the base's bottom.

Mounting the Base Directly on the Wall

You need two wood screws (not supplied) for this mounting method.

1. Drill two holes $3\frac{15}{16}$ inches apart. Then thread a screw into each hole, letting the heads extend $\frac{1}{4}$ inch from the wall.
2. Plug one end of the supplied modular cord into the **PHONE** jack on the back of the base.
3. On the bottom of the base, route the modular cord downward and under the left slot's clips as shown.
4. To attach the supplied bracket to the bottom of the base, insert the tabs on the bracket into the slots on the base, then slide the bracket up.

5. Insert the supplied AC adapter's barrel plug into the **12V DC** jack on the back of the base. Then route the adapter's cord through the right slot on the base's bottom and under the clips. Plug the adapter into a standard AC outlet.

8. Press and lift out the handset holder. Rotate the holder 180° as shown, and then snap it back into place so it holds the handset.

6. Plug the modular cord into a modular phone line jack.
7. Align the keyhole slots with the mounting screws and slide the base downward to secure it.

Note: If you later want to mount the base on a desktop, press **PUSH** and slide the bracket down to remove it from the base's bottom.

PREPARATION

INSTALLING THE HANDSET BATTERY

Your phone comes with a battery which you must install, connect, and charge for 15 hours before you use your phone for the first time.

To install the battery:

1. Slide off the battery compartment cover.
2. Insert the battery into the compartment so its connector can reach the pins inside the compartment, and secure it with the plastic strap.
3. Slide the battery's connector onto the pins.

Caution: The connector only fits one way; do not force it. If you have difficulty sliding the connector onto the pins, turn it over and try again.

4. Replace the cover, then follow the instructions under "Charging the Handset Battery" before you use the phone.

CHARGING THE HANDSET BATTERY

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

Recharge the battery when LOW BATT on the handset lights.

Caution: To avoid damage to the battery, always recharge the handset battery as soon as LOW BATT lights.

Notes:

- You can set **POWER** to **ON** while the battery charges, but it charges more quickly if you set **POWER** to **OFF**.
- If the IN USE/CHARGE 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 connectors 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.

1. Set **TONE/PULSE** to **TONE**.

- About once a month, fully discharge the battery by keeping the handset off the cradle until **LOW BATT** lights, 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.

2. Lift the handset and listen for a dial tone.
3. Press any number other than **0**.

If the dial tone stops, you have touch-tone service. Leave **TONE/PULSE** set to **TONE**.

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

OPERATION

MAKING/ANSWERING A CALL

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

Using the Handset at the Base

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

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

To make a call, lift the handset from the base and press **TALK** so the TALK indicator lights.

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

Using the Handset Away from the Base

To use the handset away from the base, set **POWER** to **ON**, then press **TALK** to make or answer a call. The TALK indicator lights.

To disconnect a call, press **TALK** so the TALK indicator turns off.

Notes:

- To conserve battery power, you can turn off the handset's power when you are not making or answering a call. The cordless phone does not ring when it receives an incoming call with the handset's power turned off. However, other phones on the same line still ring. Set **POWER** to **ON** to answer the call using the cordless phone.
- 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.

- When dialing a number, if you press a number and 3 short beeps sound, you are out of the base's range, the battery is too low, or there is too much interference on the line. Move the handset closer to the base or recharge the battery, if necessary.

USING REDIAL

To quickly redial the last number dialed, simply lift the handset from the base or press **TALK** so the TALK indicator lights. Then press **REDIAL**.

The redial memory holds up to 80 digits, so you can redial long distance as well as local numbers.

Notes:

- We recommend you not use **REDIAL** to dial numbers that include a **TONE** entry (see "Using Tone Services on a Pulse Line").
- The redial memory does not store a **FLASH** entry or any digits entered after you press **FLASH**.

USING FLASH

Use **FLASH** on the handset to send the electronic equivalent of a switchhook press for special services, such as call waiting.

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

Notes:

- If you do not have any 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. Be sure **TONE/PULSE** on the base is set to **PULSE**.
2. Dial the service's main number.
3. When the service answers, press **TONE**. 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

PAGE allows someone at the base to page you at the handset or helps you find the handset if you misplace it. With the handset's **POWER** set to **ON** and its TALK indicator off, the handset sounds four sets of four beeps when someone presses **PAGE** on the base.

MEMORY DIALING

You can store nine telephone numbers in memory and then dial them by pressing the corresponding memory location number. Each stored number can be up to 16 digits long.

Notes:

- When using special tone service numbers, we recommend that you manually press **TONE**, rather than storing the entry in memory. However, you can store the service's main number in one location and numbers for additional information in other locations. See "Storing/Chain Dialing Special Service Numbers."
- To keep your accounts secure, we recommend you **NOT** store your personal access code for services such as bank-by-phone in a memory location.

Storing a Number in Memory

1. Make sure the handset's **POWER** is set to **ON** and TALK is not lit.
2. Press **MEMO**.

Note: While you are storing a number in memory, if you do not press any button on the keypad within about 10 seconds, the handset beeps three times and you must press **MEMO** again to store the telephone number.

3. Dial the number.
4. Press **MEMO** again.
5. Press the number (1-9) for the memory location where you want to store the number. The phone beeps twice. The phone number is now stored in memory.
6. Press **TALK** twice to exit the store mode.
7. Repeat Steps 2-6 for other telephone numbers.
8. Remove the plastic covering from the base's index sheet with a small pointed object, such as the end of a straightened paper clip. Write the person's or company's name and memory location number on the sheet in pencil (in case you want to store a different number later).

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 the phone numbers stored in memory, repeat Steps 1-6. The new phone number replaces the previously stored phone number in that memory location.
- To clear a memory location so no number is stored there, press **MEMO**, **PAUSE**, **MEMO**, and then the location number. The phone beeps twice and the phone number is now cleared from the memory.
- If AC power fails, the phone beeps three times and keeps stored numbers in memory.

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.

At the appropriate place in the number, press **REDIAL** to enter a 2-second pause. For a longer pause, press **REDIAL** again (each press enters a 2-second pause).

Dialing a Stored Number

Follow these steps to dial a number stored in memory.

1. Lift the handset from the cradle or press **TALK** so the TALK indicator lights.
2. When you hear a dial tone, press **MEMO**, then press the correct memory location button. The phone dials the stored number.

Storing/Chain Dialing Special Service Numbers

When storing numbers for special services (such as alternate long distance or bank by phone services), store the service's main phone number in one memory location and numbers for additional information in other locations.

Follow these steps to chain-dial memory numbers.

1. With the handset's **POWER** set to **ON** and TALK lit, press **MEMO** and the memory-location number for the service's main number.
2. Wait for the service to answer.

Note: If you use pulse dialing to dial the service, after the service answers, press **TONE** before proceeding with the next step.

3. Press **MEMO** and the memory-location numbers for the additional information.
4. To disconnect the call, press **TALK** so the TALK indicator turns off.

Testing Stored Emergency Numbers

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

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	Solution
The handset does not work.	<ul style="list-style-type: none">• Be sure POWER is ON.• Move the 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 5 seconds, then try again.• Your phone has a special circuit that protects it from static discharge. The circuit turns off the handset if it receives a static discharge. Turn the handset off for a few seconds to reset this circuit.
Volume drops or you hear unusual sounds.	<ul style="list-style-type: none">• Someone has picked up another phone on the same line. Hang up the other phone.
Call is noisy.	<ul style="list-style-type: none">• Do not mount the base near electrical 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, and fluorescent lights. If the interference is severe, turn off the interfering device.• Exchange your phone for one with a different operating frequency (within 30 days of the date of purchase).

Problem	Solution
The handset's range decreases.	<ul style="list-style-type: none">Fully extend the base's antenna in a vertical positionReturn the handset to the cradle, and recharge the batteryBe sure the antenna is not touching a metal surface.
Receiver sound flutters or fades.	<ul style="list-style-type: none">Be sure the battery is charged.
Can make calls, but telephone does not ring.	<ul style="list-style-type: none">Handset's POWER must be set to ON to ring.
Can receive calls, but cannot make calls.	<ul style="list-style-type: none">Set TONE/PULSE on the base correctly for your type of service.
You cannot answer/make a call and the handset sounds an error tone when you lift it from the base or press TALK .	<ul style="list-style-type: none">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 a few seconds.

CARE AND MAINTENANCE

Your ET-518 Cordless Telephone with 9-Memory Speed-Dialing is an example of superior design and craftsmanship. The following suggestions will help you care for your phone so you can enjoy it for years.



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



Handle the phone gently and carefully. Dropping it can damage circuit boards and cases and can 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 the phone.

Modifying or tampering with the phone's internal components can cause a malfunction and might invalidate your phone's warranty. If your phone is not performing as it should, take it to your local Radio Shack store for assistance.

REPLACING THE BATTERY

If you follow the instructions in "Charging the Battery," the supplied battery should last for over 1 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 disconnect and remove the old battery.
2. Insert the new battery in the compartment and secure it with the plastic strap.

3. Slide the battery's connector onto the pins inside the compartment.

Caution: The connector only fits one way; do not force it. If you have difficulty sliding the connector onto the pins, turn it over and try again.

4. 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 that 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 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.

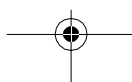
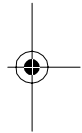
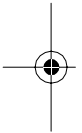
LIGHTNING

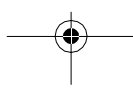
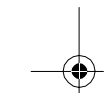
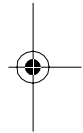
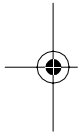
Your phone has built-in protection circuits to reduce the risk of damage from surges in phone line current. These protection circuits meet or exceed the FCC requirements. However, lightning striking the phone lines can damage your phone.

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



NOTES





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.**

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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
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Fort Worth, Texas 76102

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