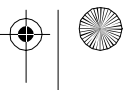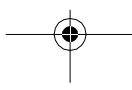Cat. No. 43-1080

**OWNER'S MANUAL**

Please read before using this equipment.

# ET-905

## 900 MHz Cordless Telephone

**Radio Shack**

# FEATURES

Your Radio Shack ET-905 900 MHz Cordless Telephone uses the most advanced analog cordless telephone technology to give you superior audio quality. It uses the recently allocated 900 MHz band that virtually eliminates interference caused by other cordless phones using the same frequency, while providing clearer sound and greater range than 46/49 MHz cordless telephones. Its cordless operation lets you move freely about your home or office.

Its features include:

**900 MHz Operation —** provides better quality sound (over twice the range of 46/49 MHz cordless phones) and less interference than many other cordless phones.

**60 Channels —** continuously scans 60 channels (frequency pairs used between the base and the handset) and selects the one with the least interference each time you make or receive a call.

**20-Memory Dialing —** lets you quickly dial numbers you have stored in memory.

**DD —** lets you quickly dial a number you stored in direct dial memory by pressing one button.

**Paging System —** lets you send a signal from the base to the handset so you can page someone or easily locate the handset when it is away from the base.

**Privacy —** prevents the person on the other end of the phone line from hearing your conversation with someone in the room.

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

**Redial —** lets you quickly dial the last number dialed.

**Pause —** lets you store a pause in a memory number for use with a phone system that requires an outside access number (for example, 9).

**Ringer Volume —** adjusts the base's ringer volume to three levels — high, low, or off.

**Touch Tone (DTMF) or Pulse Dialing —** lets you use your phone with either type of dialing.

**Hearing Aid Compatible —** lets you use this telephone with hearing aids that have a T (telephone) switch.

For your records, we recommend you record the phone's serial number in the space below. The number is on the base's label.

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-SERVICE-ABLE PARTS INSIDE. REFER SERVIC-ING TO QUALIFIED PERSONNEL.

⚡ This symbol is intended to alert you to the presence of uninsulat-ed dangerous voltage within the product's enclosure that might be of sufficient magnitude to consti-tute 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 in-cluded in the literature accompa-nying this product.

# READ THIS BEFORE INSTALLATION

Your telephone conforms to federal regulations, and you can connect it to most telephone lines. However, each device you connect to the phone line draws power from the phone line. We refer to this power draw as the de-vice's ringer equivalence number, or REN. The REN is on the label on the phone base's back.

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 ru-ral areas, a total REN of three might impair ringer operation. If ringer op-eration is impaired, remove a device from the line

**Important:** Cordless phones such as this one require AC power to operate. When AC power is off, you cannot dial out or receive incoming calls us-ing your ET-905. For this reason, the ET-905 should not be your only tele-phone. To be safe, you should also have a phone that draws its power from the telephone line (not a cord-less phone) so you can still make and receive calls if there is an AC power failure.

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# 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 on the label on the phone base's back.

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

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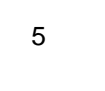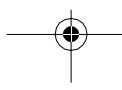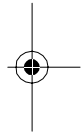- Most electronic key phone systems

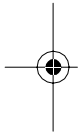**Note:** Your telephone operates on standard radio frequencies, as allocated by the FCC. Even though the access protection code prevents unauthorized use of your phone line, it is possible for other radio units operating on similar frequencies within a certain area to unintentionally intercept your conversations and/or cause interference. This lack of privacy can occur with any cordless phone.
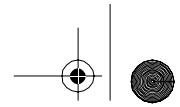
4

# CONTENTS

# INSTALLATION

## SELECTING A LOCATION

You can place the base on a desk, shelf, or table, or mount it directly on the wall. 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.

Select a location that is:

- Near an AC outlet

- Near a telephone line jack

- Away from electrical machinery, electrical appliances, and metal walls or filing cabinets

- Away from wireless intercoms, alarms, and room monitors

If the phone line jack is not a modular jack, you must update the wiring. You can convert 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 charges for the installation of the necessary jacks.

- The USOC number of the necessary baseboard jack to be installed is RJ11C.

## SETUP ON A DESKTOP

1. Insert the supplied AC adapter's barrel plug into the **DC 9V** jack on the bottom of the base and route the wire through the slot on the back of the base.

(illus)

2. Plug one end of the supplied modular cord into the **LINE** jack on the bottom of the base and route the wire through the slot on the back of the base.

(illus)

3. Plug the adapter into a standard AC outlet.

4. Plug the modular cord's other end into a modular phone line jack.

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## MOUNTING DIRECTLY ON A WALL

Mounting the base directly on the wall requires three screws (not supplied) with heads that fit into the base's keyhole slots.

1. Mark the location of the mounting holes using the supplied template.

(illus)
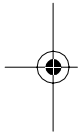
2. Drill a hole at each marked location, then thread a screw into each hole, letting the heads extend $1/8$ inch from the wall (about the width of two stacked pennies).

(illus)

3. Insert the supplied AC adapter's barrel plug into the **DC 9V** jack on the bottom of the base.

(illus)

4. Plug one end of the supplied modular cord into the **LINE** jack on the bottom of the base.

(illus)

5. Align the keyhole slots with the mounting screws and slide the base downward to secure it.

(illus)

6. Plug the adapter into a standard AC outlet.

7. Plug the modular cord's other end into a modular phone line jack.

7
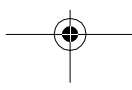
# PREPARATION

## CHARGING THE HANDSET'S BATTERY

You must charge the battery at least 24 hours before you use the phone the first time or when you replace the battery. To charge or recharge the battery, simply place the handset on the cradle. The CHARGE indicator lights.

(illus - CHARGE indicator)

**Note:** If the CHARGE indicator does not light or blinks continuously when you place the handset on the cradle, be sure the battery and AC adapter are correctly and securely connected. Also, check the charging contacts on both the handset and base. If the contacts are dirty or tarnished, clean them with an eraser.

Recharge the battery when the handset's BATT LOW indicator lights (see "Replacing the Handset Battery").

(illus - handset's BATT LOW indicator)

**Notes:**

• About once a month, fully discharge the battery. Otherwise, it will lose its ability to recharge, and you might have to recharge and replace it more often.

To fully discharge the battery, keep the handset off the cradle until BATT LOW lights. Then return the handset to the base and fully recharge the battery.

• Some deeply discharged batteries take longer to charge. If overnight charging is not sufficient, try charging for up to 48 hours.

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## SETTING THE PULSE/ TONE SWITCH

Set **PULSE/TONE** for the type of ser-vice you have. If you are not sure which type you have, do this test.

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

(illus)

2. Press **TALK** on 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 **PULSE/TONE** set to **TONE**.

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

## SETTING THE RINGER'S SOUND LEVEL

The **RINGER OFF/LOW/HIGH** switch controls the base's ringer volume.

(illus)

Set **RINGER** to **OFF** when you do not want the ringer to sound. You can still make calls, and you can answer a call if you hear another phone on the same line ring.

Set **RINGER** to **LOW** in a quiet room, such as a bedroom.

Set **RINGER** to **HIGH** in a noisy room, such as the kitchen.

**Note:** The handset will not ring if it is on the base and the base's ringer is turned off. However, the handset will ring if it is away from the base, even if the base's ringer is turned off.

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# OPERATION

## ANSWERING/MAKING A CALL

To answer a call, if the handset is on the base, simply lift the handset.

If the handset is not on the base, press **TALK** on the handset before speaking.

(illus -
include the TALK control
and the TALK and
IN USE indicators)

**Note:** The IN USE indicator flashes when you receive a call.

To make a call, pick up the handset and press **TALK**. When the IN USE indicator lights steadily and you hear a dial tone, dial the phone number.

**Notes:**

- Before you get a dial tone, there might be a slight delay while the ET-905 searches through its 60 available channels to find the clearest one. While the phone searches, the TALK indicator on the handset blinks.

- The IN USE indicator on the base and the TALK indicator on the handset light steadily while the phone is in use.

To end a call, place the handset on the cradle or press **TALK** again. The IN USE indicator on the base and the TALK indicator on the handset turn off.

## USING REDIAL

To redial the last number dialed, lift the handset, press **TALK**, then press **REDIAL/PAUSE**. The phone automatically dials the last number dialed.

(illus)

## USING FLASH

You can use **FLASH** with special phone services, such as call waiting. 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.

(illus)

**Note:** If you do not have any special phone services, pressing **FLASH** might disconnect the current call.

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## USING PRIVACY

Press and release **PRIVACY** to talk to someone else in the room without the person on the other end of the phone hearing your conversation.

(illus)

Press **PRIVACY** again to return to your phone conversation.

## USING TONE SERVICES ON A PULSE LINE

If you have pulse service, you can dial a number as usual, then temporarily switch to having your phone send tones for banking services or computer transactions.

Simply press **✲** at the appropriate place in the call to change to tone dialing. The phone automatically returns to pulse dialing when you hang up the call.

(illus)

## USING DIRECT DIALING

This telephone lets you store one phone number that you can dial by pressing only one button.

**Note:** You must complete the steps below within 10 seconds of each other or you will have to begin again at Step 1.

1. Press **MEMORY** on the handset. The TALK indicator on the handset blinks.

(illus)

2. Press **DD** (direct dial) on the handset. The TALK and BATT LOW indicators blink.

(illus)

3. Enter the phone number you want to store (up to 21 digits).

   **Note:** If you enter a number longer than 21 digits, the phone sounds two beeps and does not store the number.

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4. Press **MEMORY** again. All indicators turn off, and a tone sounds that means the number was successfully stored.

To dial the number, when you have a dial tone, simply press **DD** on the handset. The number stored in DD is automatically dialed.

# MEMORY OPERATION

You can store 20 numbers (up to 21 digits each) and then dial them by pressing just a few buttons.

## Storing a Number in Memory

**Note:** You must complete the steps below within 10 seconds of each other or you will have to begin again at Step 1.

1. Press **MEMORY** on the handset. The TALK indicator blinks.

(illus)

2. Enter the memory location number where you want to store the phone number. The TALK and BATT LOW indicators blink.

(illus)

**Note:** You must press two digits (01-20).

3. Enter the phone number you want to store (up to 21 digits).

4. Press **MEMORY** again. You hear a tone, and all indicators turn off.

To store additional numbers, repeat Steps 1–4.

To change a number, simply store a new one in its place.

**Note:** Record the name associated with the stored phone number next to the corresponding memory location number on the memory directory card. Use a pencil in case you want to change the name later.

12
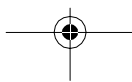
## Storing a Pause in Memory

You can store a 3-second pause in a number you are storing into memory. While storing the number, press **RE-DIAL/PAUSE** where a pause is needed.

When you dial the stored number, a 3-second pause is automatically inserted at that point.

**Note:** You can add more than one pause, if necessary.

## Dialing a Stored Number

When you hear a dial tone, press **TALK** then **MEMORY** on the handset. Then enter the memory location (01 through 20) where the number is stored. The telephone number stored in that location is automatically dialed.

**Note:** If you enter a memory location number that does not have a phone number stored in it, the phone sounds three beeps.

# USING PAGE

The **PAGE** button lets you page someone in your home or office and helps you locate the handset when it is away from the base.

When you press **PAGE** on the base, the handset rings.

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# TROUBLESHOOTING

We do not expect you to have any problems with your phone, but if you do, first check another phone on the same line to determine if the problem is with the phone service. If it is not, try the following suggestions.

If you cannot determine the cause of the problem, take the phone to your local Radio Shack store for assistance.

## False Ringing

Cordless phones can receive false ringing signals caused by other radio devices. To help prevent false ringing, your phone has a digital security system with over one million code combinations. In the unlikely event that false ringing does occur, move the base or the interfering transmitter to another location.

## Noise Interference in Your Conversation

If you experience interference, move the handset closer to the base and move the base away from sources of interference (such as power lines, large motors, etc.). Try not to plug the base into a circuit that also provides power to a major appliance.

## Telephone is Dead, or No Dial Tone

Several situations can cause this. If you have this difficulty:

- Be sure the handset's battery is fully charged and the handset is in the talk mode.

- Be sure the phone line cord is securely connected to the jack.

- Be sure the cord is not damaged.

- Be sure the jack is properly wired.

- Be sure the handset's battery pack is securely connected.

## Can Receive But Not Make Calls

- Be sure you are in the talk mode

- Check if **PULSE/TONE** is set correctly

## Phone Still Does Not Work

Reset your phone as follows:

1. Disconnect the adapter from the AC outlet, then connect it again.

2. Disconnect the battery pack's wire from the handset, then connect it again (see "Replacing the Handset Battery").

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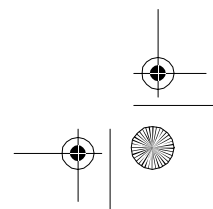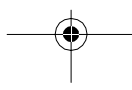
## Alert Tones

The ET-905 sounds tones to alert you to various telephone conditions.

| Tone | Cause | Remedy |
| --- | --- | --- |
| A short repeating beep | No Channel Available | Simply press **TALK** again. If the phone is unable to find a channel after several tries, it does not mean your telephone is not working, but simply that there are too many calls in this band at the time. Simply use a corded telephone to make your call or wait a few minutes before trying again. |
| Continuous beeps<br><br>**Note:** After 10 seconds of beeping, the call disconnects. | Out-of-Range | Move closer to the base until the beeping stops. |
| Four beeps, repeating every 20 seconds during a call | Low Battery | Recharge the battery pack by returning the handset to the base. |

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# MAINTENANCE

Your Radio Shack ET-905 900 MHz Cordless Telephone is an example of su-
perior design and craftsmanship. The following suggestion 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
contain minerals that can corrode electronic circuits.

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

Use and store the phone only in normal temperature environ-
ments. Temperature extremes can shorten the life of electronic
devices, damage batteries, and distort or melt plastic parts

Keep the phone away from dust and dirt, which can cause pre-
mature 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 mal-
function and might invalidate its warranty and void your FCC authorization to op-
erate 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.

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# REPLACING THE HANDSET BATTERY

When the handset's battery no longer recharges, replace the battery. Use only a 3.6V, 650 mA battery with a connector that fits the connector in the battery compartment. You can order a replacement battery from your local Radio Shack store.

1. Press down on top of the handset's battery compartment cover (on the three raised bars on the lower back) and slide it off.

2. Using a Phillips screwdriver, turn the stainless steel strap's screw counterclockwise to loosen it slightly.

3. Turn the steel strap clockwise and pull back to release it.

4. Remove the battery pack and pry out the battery wires' plug using a small flat-blade screwdriver.

5. Insert the new battery pack's plug into the receptacle and firmly push down to make sure it is properly connected.

6. Insert the steel strap's hooked end into the slot beside the battery connector and hold it up while you place the new battery pack in the compartment.

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**Note:** Make sure the excess wires are between the battery pack and the back cover.

7. Replace the screw in the strap and tighten it, then replace the battery cover.

**Notes:**

• You must charge a new battery at least 24 hours before you use it the first time.

• The phone uses one recharge-able nickel-cadmium battery pack. At the end of the battery's useful life, it must be recycled or disposed of properly. Contact your local, county, or state haz-ardous waste management authorities for information on recycling or disposal programs in your area. Some options that might be available are: munici-pal curbside collection, drop-off boxes at retailers, recycling col-lection centers, and mailback 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. The phone company normally attempts to notify you in advance. If advance notice is not practical, the phone company no-tifies you as soon as possible and ad-vises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, op-erations, or procedures that could af-fect the operation of this telephone.

The phone company normally noti-fies you of these changes in ad-vance, so you can take the necessary steps to prevent interrup-tion of your phone service.

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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 and unplug your phone and disconnect the handset battery. 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.

Lightning damage is not common. Nevertheless, if you live in an area which 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.**

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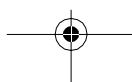
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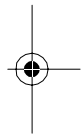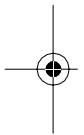
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