RadioShack®
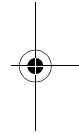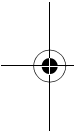
www.radioshack.com℠

TAD 1130
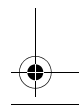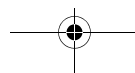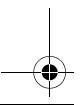# 2.4 GHz Digital Spread Spectrum Cordless Speakerphone

with Digital Answering System

Owner's Manual

Please read before using this equipment.

❏ *Contents*

WARNING: To reduce the risk of 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.

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

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.

2. Follow all warnings and instructions marked on the product.

3. Never install telephone wiring during a lightning storm.

4. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

5. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

6. Use caution when installing or modifying telephone lines.

7. Do not affix the AC power supply cord to building surfaces with metal fittings (if the product has an AC power cord).

8. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

9. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

10. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

11. Slots and openings in the telephone's cabinet and the back or bottom are provided for ventilation. To protect the telephone from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

12. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local power company.

13. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be stepped on.

14. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

15. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.

16. To reduce the risk of electric shock, do not disassemble this product. Take it to a qualified serviceman when service or

repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.

17. Unplug this product from the wall outlet and refer servicing to qualified services personnel under the following conditions:

• When the power cord plug is damaged or frayed.

• If liquid has been spilled into the product.

• If the product has been exposed to rain or water.

• If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustments of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

• If the product has been dropped or the cabinet has been damaged.

• If the product exhibits a distinct change in performance.

18. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

19. Do not use the telephone to report a gas leak while in the vicinity of the leak.

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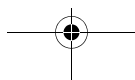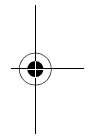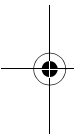
BATTERY SAFETY INSTRUCTIONS

CAUTION: TO REDUCE THE RISK OF FIRE OR INJURY, READ AND FOLLOW THESE INSTRUCTIONS.

1. Use only the appropriate type and size battery pack specified in the instruction manual provided for this product.

2. Do not dispose of the battery pack in a fire. The cell may explode. Check with local codes for possible special disposal instructions.

3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.

4. Exercise care in handing the battery pack in order not to short it with conducting materials such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.

5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in the instruction manual provided for this product.

6. Observe proper polarity orientation between the battery pack and battery charger.

SAVE THESE INSTRUCTIONS

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 telephone line draws power from the line. We refer to this power draw as the phone's ringer equivalence number, or REN. The REN is on the bottom of your phone.

If you use more than one phone or other device on the line, add up all the RENs. If the total is more than five (three in rural areas), your phones might not ring. If ringer operation is impaired, remove one of the devices from the line.

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 phone. 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.

- When AC power is lost, the phone loses the security access-protection code connection between the base and the handset. When power is restored, put the handset on the base briefly to restore this connection.

FCC STATEMENT

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

Note: You must not connect your telephone to:

- coin-operated systems

- party-line systems

- most electronic key phone systems

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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 this telephone. The telephone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your telephone 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 it.

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 RadioShack store for help

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

Some cordless telephones operate on frequencies that might 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.

LIGHTNING

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

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

❑ *Features*

Your RadioShack 2.4 GHz Cordless Speakerphone combines a 2.4 GHz digital cordless telephone unit and a digital TAD (Telephone Answering Device). The 2.4 GHz band means less interference, clearer sound, and greater range than other types of cordless telephones.

The TAD stores up to 18 minutes of messages on a computer chip and records each message's day and time. This gives you advanced capabilities over tape-based answering machines:

- You can delete individual messages and save the rest.

- There are no tapes to bother with and no tape mechanisms to wear out.

The remote operation feature lets you operate your TAD from a touch-tone phone (or from a rotary phone with an optional pocket tone dialer).

TELEPHONE FEATURES

10 Number Memory Dialing — lets you store 10 numbers in memory for easy dialing.

Page — lets you send a paging signal from the base to the handset to page someone or locate the handset if you misplace it.

30 Channels — automatically selects a clear channel when you make or answer a call. You can also manually change channels during a call.

Security Access-Protection Code — helps prevent other cordless phone users from using your phone line.

Ringer Volume Control — lets you select from four ringer tone/volume settings on the handset.

Volume Controls — let you adjust the volume you hear through the handset.

Long Battery Life — the supplied battery pack (when fully charged) provides about 6 hours of talk time or 7 days of standby time.

Tone/Pulse Dialing — lets you use either type of service, and you can easily switch from pulse to tone dialing for long-distance, bank-by-phone, or other special services.

Auto Talk — lets you answer a call simply by lifting the handset from the base.

Any Key Answer — lets you press any key to answer a call when the handset is away from the base.

Hearing-Aid Compatibility — lets you use your phone with hearing aids that have a T (telephone) switch.

ANSWERING SYSTEM FEATURES

Day/Time Stamp — records the day and time each message was recorded.

Two Prerecorded Messages — gives you the option of using one of two prerecorded outgoing messages or recording your own.

Announcement Only — lets you play an announcement for callers to hear, without recording their messages.

Message Counter — shows the number of messages the TAD has recorded.

Programmable PIN — you can set a two-digit personal identification number (PIN) for secure remote operation.

Call Screening — lets you listen as a caller leaves a message so you can decide whether or not to answer the call.

Memo Recording — lets you leave messages for yourself or others in your home or office. You can also record your phone conversation.

Room Monitor — lets you listen from a remote phone to the room where the TAD is installed.

Phone Pick-Up Detection — stops recording when you pick up any phone on the same line as the TAD, and resets to answer the next call.

Adjustable Ring Number — lets you set the TAD to answer after three or five rings.

Toll-Saver — lets you avoid unnecessary charges when you call by long distance to check your messages.

Digital Volume Control — lets you precisely adjust the speakerphone and message playback volume.

❐ *Installation*

MOUNTING THE PHONE

You can place the TAD's base on a desk or table, or mount it on a standard wall plate or directly on a wall.

Choose a location that is:

- near an AC outlet

- near a modular telephone line jack

- out of the way of normal activities

- away from electrical machinery, electrical appliances, metal walls or filing cabinets, wireless intercoms, alarms, and room monitors

- away from other cordless phones

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

Cautions:

⚠ You must use a Class 2 power source that supplies 9V DC and delivers at least 350 mA. Its center tip must be set to positive and its plug must fit the telephone's **DC IN 9V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the telephone or the adapter.

- Always connect the AC adapter to the phone before you connect it to AC power. If you disconnect the power, disconnect the adapter from AC power before you disconnect it from the phone.

Notes:

- Your telephone connects directly to a modular telephone line jack. If your phone line jack is not a modular jack, you can update the wiring yourself, using jacks and adapters available at your local RadioShack store. Or, you can let the phone company update the wiring for you.

- The USOC number of the jack to be installed is RJ11C (RJ11W for a wall plate).

On a Desk Top

1. Insert the bracket's tabs into the base's upper tab slots, then press down on the bracket's clips and insert them into the clip slots.

2. Plug one end of the supplied long modular cord into the **TEL LINE** jack on the back of the base.

3. Plug the modular cord's other end into a modular telephone line jack.

4. Insert the supplied AC adapter's barrel plug into the **DC IN 9V** jack on the back of the base.

5. Route the adapter's cord through the strain relief slot on the bracket.
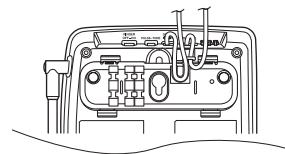
6. Plug the adapter into a standard AC outlet.

7. Lift the base's antenna to a vertical position.

On a Wall Plate or Wall

1. Insert the bracket's tabs into the base's lower tab slots, then press down on the bracket's clips and insert them into the clip slots.

2. Plug one end of the supplied short modular cord into the **TEL LINE** jack on the back of the base.

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

4. Route the adapter and modular cords through the grooves on the bracket.
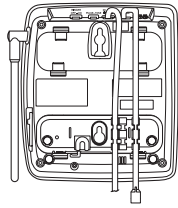
5. Plug the modular cord's other end into the wall plate jack, then align the bracket's keyhole slots with the wall plate studs and slide the base downward to secure it.
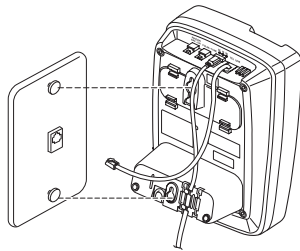
6. Plug the adapter into a standard AC outlet.

7. Press and lift out the handset holder, flip it over, then snap it back into place so it holds the handset.
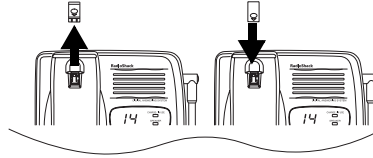
8. Lift the base's antenna to a vertical position.

Note: To mount the TAD directly on a wall, you need two screws (not supplied) with heads that fit into the keyhole slots on the bottom of the base.

Follow the steps under "On a Wall Plate or Wall," then apply these additional instructions for placement on a wall.

1. Drill two holes $3^{15}/_{16}$ inches (100 mm) apart. Then thread a screw into each hole, letting the heads extend about $^{5}/_{16}$ inch (8 mm) from the wall.

2. Plug one end of the supplied long modular cord into the **TEL LINE** jack at the back of the base.

3. Align the bracket's keyhole slots with the mounting screws and slide the base downward to secure it.

Installation   9
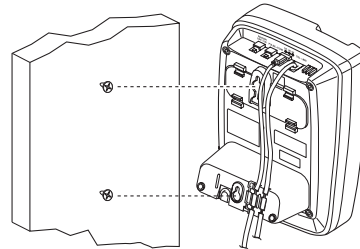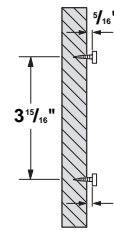
CONNECTING, CHARGING, AND REPLACING THE BATTERY PACK

The TAD comes with a rechargeable nickel-cadmium battery pack installed in the handset, but not connected. Before using your phone, you must connect the battery pack, then charge it for about 24 hours.

1. Press down and slide off the battery pack compartment cover.
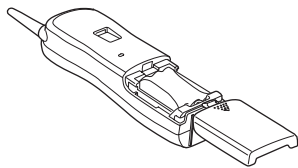
2. Lift the battery pack out of the compartment. Plug the battery pack's connector into the socket in the compartment. The connector fits only one way.
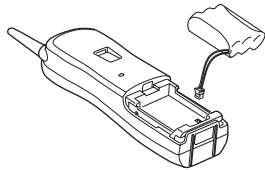
3. Put the battery pack in the compartment.

4. Replace the cover.

To charge the battery pack, simply place the handset on the base, facing either up or down. The CHARGE/IN USE indicator on the base lights.

Recharge the battery pack when the TALK/LOW BATT indicator flashes.

Important: Be sure the battery pack is properly connected before you try to charge it. If the CHARGE/IN USE indicator flashes slowly when the handset is on the base, the battery pack is not connected properly.

Notes:

- When you first use the phone after charging or recharging the battery pack, the phone might not work and you might hear a five-beep error signal. If this happens, return the handset to the base for about 5 seconds to reset the security access-protection code.

- Using a pencil eraser, clean the charging contacts on the handset and the base about once a month.

- If the phone does not work, recharge the battery pack. (The battery power might be too low to flash the TALK/LOW BATT indicator.)

- If the battery pack becomes weak during a call, the handset beeps every 3 seconds. When this happens, you cannot make a call on the phone until you recharge the battery pack.

- About once a month, fully discharge the battery pack by keeping the handset off the base until the TALK/BATT LOW indicator flashes. Otherwise, the battery pack loses its ability to fully recharge.

- If the battery pack is completely discharged or the base loses power while the handset is away from it, place the handset on the base to reset the security access-protection code. If it was the handset that lost power, recharge the battery pack.

The supplied battery pack should last about a year. If the battery pack does not hold a charge for more than 2 hours after an overnight charge, replace it with a new 3.6-volt, 600 mAh battery pack with a connector that fits the socket in the battery compartment. You can order a replacement battery pack through your local RadioShack store. Install the new battery pack and charge it for about 24 hours.

Warning: Dispose of the old battery pack promptly and properly. Do not burn or bury it (see "Battery Safety Instructions" on Page 5 for additional information on proper battery handling).

If you have trouble replacing the battery pack, take the phone to your local RadioShack for assistance.

Important: The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.
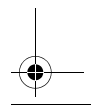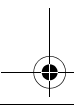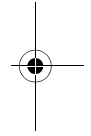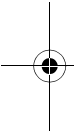
A QUICK LOOK AT THE HANDSET

Note: The handset window has plastic film on it to protect it during shipment. Carefully peel off the film before using your phone for the first time.

Use VOL ▲/▼ to adjust the handset volume (see "Adjusting the Handset Volume" on Page 14).

Use MUTE talk to some in the room without the person on the other end of the phone line hearing your conversation (see "Using Mute" on Page 15

Use MEMORY to store and dial names and numbers in memory (see "Memory Dialing" on Page 15).

Use TALK to make a call (see "Making and Receiving Calls with the Handset" on Page 14).

Use FLASH to select the phone's flash function (see "Using Flash" on Page 15).

Use REDIAL to redial the last number dialed (see "Using Redial" on Page 15).

Use CHANNEL to select the phone's channels (see "Selecting the Channel" on Page 14) and other options.

Use PAUSE to store a pause in a number (see "Entering a Pause" on Page 16).

Press TONE to use your phone company's special tone services when you are on a pulse line (see "Using Tone Services on a Pulse Line" on Page 15).

SETTING THE DIALING MODE

Set **PULSE-TONE** on the back of the base for the type of service you have. If you are not sure which type you have, after you charge the handset battery pack, do this simple test.

1. Set **PULSE-TONE** to **TONE**.

2. Lift the handset, press **TALK** and listen for a dial tone.

3. Press any number other than 0.

Note: If your phone system requires that you dial an access code (9, for example) before you dial an outside number, do not press the access code number either.

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

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

4. Press **TALK** or place the handset on the base to hang up.

TURNING THE BASE'S RINGER ON AND OFF

To turn off the base's ringer, set **RINGER** on the back of the base to **OFF**. You can still make or receive calls using this phone. Telephones on the same line (and the TAD's handset if it is away from the base) still ring when there is an incoming call.

To turn on the base's ringer, set **RINGER** to **ON**.

SETTING THE RINGER TONE/VOLUME

You can select one of four different ringer tone/volume settings while the phone is not in the talk mode. Press **VOL** ▲ or ▼ to increase or decrease the ringer level setting.

Note: The setting is not cyclic. If the ringer does not change when you press **VOL** ▲ or ▼, try pressing the opposite arrow key.

SETTING THE NUMBER OF RINGS

Set **RING TIME** on the side of the base to **3**, **5**, or **T/S** (Toll-Saver) to select how long the TAD waits to answer a call (3 rings, 5 rings, or toll-saver).

Note: If you plan to check messages by long distance, set **RING TIME** to **T/S** (see "Using the Toll-Saver" on Page 20).

SETTING THE DAY/TIME

You must set the day of the week and time so the TAD can record the correct day and time of each message.

Note: Enter each key press within about 2 minutes. Otherwise, the TAD exits the time setting process and you must begin again with Step 1.

1. Hold down **CLOCK** until the TAD beeps. The TAD announces the currently set day and displays the day's number (**0** for Sunday, **1** for Monday, and so on).

2. To change the day of the week, repeatedly press **SKIP** to move forward or **REPEAT** to move backward to set the correct day, press **CLOCK**.

3. The TAD announces the hour. To change the hour, repeatedly press **SKIP** or **REPEAT** until the correct hour displays, then press **CLOCK**.

4. The TAD announces the minutes. To change the minutes, repeatedly press **SKIP** or **REPEAT** until the correct minutes display, then press **CLOCK**.

5. The TAD announces "AM" or "PM," and **A** or **P** appears. Press **SKIP** or **REPEAT** to change this setting. Press **CLOCK** again to set "AM" or "PM." The TAD beeps and announces the day and time.

To check the day and time, press **CLOCK**. The TAD announces the currently set day and time.

Note: When power fails, the clock retains the current time. When the power is restored, the clock starts counting again from the time the power failed. You must reset the time.

❏ *Telephone Operation*

MAKING AND RECEIVING CALLS WITH THE HANDSET

To make a call, lift the handset and press **TALK**. The TALK/LOW BATT indicator on the handset and the CHARGE/IN USE indicator on the base light. Dial the number.

To answer a call, lift the handset from the base or, if the handset is away from base, press any key to make or answer a call.

To end a call, place the handset on the base or press **TALK**.

ADJUSTING THE HANDSET VOLUME

To adjust the volume you hear through the handset during a call, press **VOL** ▲ or ▼ to increase or to decrease the volume.

Note: If you press **VOL** ▲ or ▼ while the volume is set to the maximum or lowest level, the setting does not change and you hear three quick beeps.

SELECTING THE CHANNEL

The phone scans 30 channels (frequency pairs used between the base and the handset) and automatically selects a clear channel each time you make or receive a call.

If you hear other conversations or excessive noise during a call, press **CHANNEL** to select a different channel.

Note: If the handset is too far from the base, the channel might not change. Move closer to the base and try again.

ANSWERING CALLS WITH THE SPEAKERPHONE

To answer a call using the speakerphone, press **SPEAKER**. The SPEAKER indicator lights.

To adjust the speakerphone's volume, repeatedly press **VOLUME** ▲ or ▼ on the base. The volume setting from **1** (lowest) to **10** (highest) appears in the message counter window.

To end a speakerphone call, press **SPEAKER** again.

SWITCHING BETWEEN THE HANDSET AND SPEAKERPHONE

To switch to the speakerphone while you are using the handset, press **SPEAKER** on the base. When you hear the conversation on the speakerphone, press **TALK** on the handset.

To switch to the handset while you are using the speakerphone, lift the handset off the base. If the handset is away from the base, press **TALK**, then press **SPEAKER**.

USING BOTH THE HANDSET AND SPEAKERPHONE

If someone else is using the speakerphone, press **TALK** on the handset to join the conversation. If someone else is using the handset, press **SPEAKER** on the base to join the conversation.

During the call, one person can hang up and let the call continue at the other keypad. Or, both people can hang up to end the call.

Note: If you hear a high-pitched noise from the base's speaker, the handset and the base are too close together. Move them away from each other.

USING FLASH

FLASH performs the electronic equivalent of a switchhook operation for special services, such as Call Waiting.

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

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

USING REDIAL

To quickly dial the last number dialed, lift the handset, press **TALK**, then press **REDIAL**.

Notes:

- The redial memory holds up to 32 digits, so you can redial long-distance as well as local numbers.

- The redial memory also holds pause entries (see "Entering a Pause" on Page 16).

USING MUTE

To talk to someone in the room without the person on the other end of the phone line hearing your conversation, press **MUTE**. The TALK/LOW BATT indicator flashes.

Press **MUTE** again to resume your phone conversation.

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 **PULSE-TONE** is set to **PULSE**.

2. Dial the service's main number.

3. When the service answers, press **TONE** on the handset. Any additional numbers you dial are sent as tone signals.

When you hang up, the phone automatically resets to pulse dialing.

PAGING

To page the person who has the handset or to locate the handset when the phone is not in use, press **PAGE** on the base. The handset beeps for 5 seconds. For a longer handset beep, hold down **PAGE** for at least 5 seconds. The handset beeps for 1 minute. To stop it from beeping sooner, press any key on the handset except **TALK**.

Note: The phone rings if a call comes in during paging. Press **TALK** on the handset or **SPEAKER** on the base to answer the call.

MEMORY DIALING

You can store up to 10 phone numbers in memory, then dial a stored number by entering its memory location number. Each stored number can be up to 20 digits.

Storing a Number in Memory

Notes:

- The phone beeps several times and exits the storing process if you wait more than 20 seconds between each key press.

Telephone Operation   *15*

- If you receive a call while entering a number in memory, the TAD exits the storing process.

1. Lift the handset.

2. Press **MEMORY**. The TALK/BATT LOW indicator flashes.

3. Enter the phone number and any tone or pause entries (see "Using Tone Services on a Pulse Line" on Page 15 and "Entering a Pause").

4. Press **MEMORY**, then select a memory location (0–9) by pressing the appropriate number on the handset. The handset sounds a tone indicating successful storage.

For each stored number, write the contact's name next to the appropriate location number on the supplied memory directory sticker. Peel the backing from the sticker and attach it to the phone.

To replace a stored number, store a new one in its place.

To delete a number without storing a new one, press **MEMORY** twice. Then enter the memory location number you want to clear using the handset. The handset sounds a tone indicating the number was cleared from memory.

Entering a Pause

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. You can store the access code with the phone number. However, you should also store a pause after the access code to allow the outside line time to connect. To enter a 2-second pause, press **PAUSE**. You can add more pause entries for a longer pause.

Dialing a Memory Number

To dial a number stored in memory, lift the handset and press **TALK**.Then press **MEMORY** and the memory location number (0–9).

Chain-Dialing Service Numbers

For quick recall of numbers for special services (such as bank by phone), store each group of numbers in its own memory location.

Dial the service's main number first. Then, at the appropriate place in the call, press **MEMORY** and enter the number for the location where the additional information is stored.

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, make the test call during the late evening or early morning hours to avoid peak demand periods. Also, remain on the line to explain the reason for your call.

USING A HEADSET

You can talk with hands-free convenience using an optional headset that has a $\frac{3}{32}$ -inch (2.5-mm) plug. Your local RadioShack store has a variety of suitable headsets.

To connect the headset, open the rubber cover with ⌒ marked on the side of the handset, then insert the headset's plug into the jack.

When you finish using the headset, disconnect it from the handset and close the rubber cover to protect the jack.

Notes:

- Connecting a headset disconnects the handset's earpiece and microphone.

- **VOL** ▲ or ▼ or **MUTE** on the handset also controls the connected headset's volume.

- If you place the handset on the base to recharge it while the headset is connected, be sure the handset seats properly.

- With a headset connected, you can make or answer calls as usual using the keys on the handset. You can also answer calls by pressing **SPEAKER** located on the base.

- You can use a handset holder (available from your local RadioShack store) to hang the handset on your belt for greater convenience.

❒ *TAD Operation*

SELECTING THE OUTGOING MESSAGE

The TAD has two prerecorded outgoing messages. One asks the caller to leave a message: "Hello, no one is available to take your call. Please leave a message after the tone." The TAD uses this message when **REC TIME** is set to **1** or **4** (see "Setting the Record Time").

The other recording is an announcement and does not let the caller leave a message: "Hello, no one is available to take your call." The TAD uses this message when **REC TIME** is set to **ANN** (announcement only).

You can also record your own message (see "Recording/Deleting an Outgoing Message"). When you record your own outgoing message, the TAD uses it for all **REC TIME** settings.

To switch between your outgoing message and the TAD's prerecorded message, press **OGM**. When the current message begins to play, press **OGM** again. The TAD switches to the other message and plays it.

RECORDING/DELETING AN OUTGOING MESSAGE

To record your outgoing message (up to 30 seconds long), hold down **OGM** until the TAD beeps and **--** appears. When you finish your message, press **PLAY/STOP** or **OGM**. The TAD plays back your message.

To delete your outgoing message and use the TAD's prerecorded messages, hold down **OGM** until the TAD beeps. Then press **OGM** again within two seconds.

SETTING THE RECORD TIME

Set **REC TIME** to **1**, **4**, or **ANN** to determine how the TAD will record incoming messages.

1 — The TAD plays the outgoing message and lets callers leave a message up to 1 minute long.

4 — The TAD plays the outgoing message and lets callers leave a message up to 4 minutes long.

ANN (announcement only) — The TAD plays the outgoing message but does not let callers leave a message.

SETTING THE TAD TO ANSWER CALLS

To set the TAD to answer calls, press **AN-SWER** on the base. If the TAD is set to record a caller's message (see "Setting the Record Time" on Page 17), it plays the outgoing message and shows the number of recorded messages. If the TAD is set to announce-ment-only, it plays the outgoing message, and **A** appears.

To set the TAD to not answer calls, press **ANSWER**. The TAD announces "Answer off" and the message counter disappears.

SCREENING CALLS

You can let the TAD answer calls while you listen to the caller's message through the base's speaker. If you decide to answer the call, press **SPEAKER** to answer using the speakerphone, press **TALK** to answer if the handset is off the base, or lift the handset if it is on the base. You can also pick up any phone on the same line. The TAD stops re-cording and resets to answer the next call.

RECORDING INCOMING MESSAGES

After the TAD answers a call, it plays the out-going message, beeps, and records the call-er's message.

Each incoming message can be up to 1 or 4 minutes long, depending on how you set **REC TIME** (see "Setting the Record Time" on Page 17). The TAD's maximum recording capacity is 18 minutes.

The TAD stops recording and resets to an-swer the next call when:

- The caller hangs up.

- The maximum message length is reached.

- The TAD detects a busy signal or more than 7 seconds of silence.

- You pick up the TAD's handset or any phone on the same phone line.

Note: When the TAD's message memory is full, **FL** appears on the display and the TAD announces "No remaining time" when you try to operate it.

RECORDING A MEMO

A memo is a message you can record at the TAD for yourself or others in your home or office. The TAD stores memos as incoming messages (see "Playing Messages" on Page 19).

To record a memo, hold down **MEMO** on the base until the TAD beeps and -- appears in the message counter window, then speak your message. When you finish the memo, press **PLAY/STOP** or **MEMO**.

Note: The TAD cannot record a memo less than two seconds long.

RECORDING A CONVERSATION

The TAD lets you record both sides of a tele-phone conversation when you are talking with the handset.

Important: Every state has different regula-tions governing the recording of conversa-tions over the telephone. Be sure to check your local, state and federal laws before us-ing this product to record any telephone con-versation in order to determine that your use is in compliance with such laws or guide-lines.

To start recording a phone conversation, hold down **MEMO** on the base until the TAD beeps and **--** appears. To stop recording, press **PLAY/STOP** or **MEMO**.

The TAD stores a recorded conversation as a message (see "Playing Messages").

Note: The TAD does not record conversations less than two seconds long, or that use the speakerphone.

PLAYING MESSAGES

After the TAD has recorded a message, the total number of messages stored appears in the message counter window. If you have new messages, the message counter flashes.

To play your messages, press **PLAY/STOP**. The TAD announces the number of new and old messages, then plays the new messages. The message number appears in the message counter window as each message plays, and the TAD announces the day and time of the call at the end of each message.

To play all messages after playing the new messages, press **PLAY/STOP** again.

To skip to the next message, press **SKIP** during playback.

To replay the current message from the beginning, press **REPEAT**. If you press **REPEAT** within about 2 seconds after a message begins playing, the TAD replays the previous message.

ADJUSTING THE TAD'S VOLUME

To adjust the speaker's volume, repeatedly press **VOLUME** ▲ or ▼ on the base. The volume setting from **1** (lowest) to **10** (highest) appears in the message counter window.

DELETING MESSAGES

To delete the current message while it is playing, hold down **DELETE** until the TAD beeps.

To delete all messages at once, while messages are not playing, hold down **DELETE** on the base until the TAD beeps and **0** appears in the message counter window.

Note: You cannot delete new (unplayed) messages. If you try to delete all messages at once while you still have new messages, the TAD beeps quickly five times and does not delete any messages.

SETTING THE REMOTE OPERATION PIN

The TAD's two-digit remote operation PIN (personal identification number) prevents unauthorized remote access to your messages. The PIN is preset to 80. Follow these steps to change the PIN to any number from 00 to 99.

Note: If you wait more than 2 minutes between each keypress, the TAD exits the PIN setting process. Start again at Step 1.

1. Hold down **PIN** until the TAD beeps and **00** appears in the message counter window.

2. Press **SKIP** to set the first digit of the PIN higher or **REPEAT** to set it lower. Then press **PIN**.

3. Press **SKIP** or **REPEAT** to set the second digit of the PIN, then press **PIN**. The TAD announces the new PIN.

To check your PIN at any time, press **PIN**. The PIN appears in the message counter window, and the TAD announces it.

Note: If you press **SPEAKER** or **PLAY/STOP** while changing the PIN, the TAD exits. Begin again with Step 1.

REMOTE OPERATION

While you are away from your home or office, you can use a touch-tone phone, or a pulse (rotary) phone with a pocket tone dialer (not supplied and available through your local RadioShack store) to enter your PIN and do any of the following:

- Set the TAD to answer or not answer calls.

- Listen to your messages.

- Record a new outgoing message.

- Record a memo.

- Erase messages.

Note: You cannot remotely operate the TAD using its handset or another telephone on the same line as the TAD.

USING THE TOLL-SAVER

If **RING TIME** is set to **T/S** (toll-saver), (see "Setting the Number of Rings" on Page 13), the TAD answers after three rings if you have new messages (ones you have not listened to). If there are no new messages, the TAD answers after five rings. This gives you time to hang up before the TAD answers so you can avoid unnecessary long-distance charges.

USING REMOTE COMMANDS

Follow these steps to operate the TAD from a remote location.

Note: If you wait more than 15 seconds between each keypress, the TAD sounds a long beep and hangs up.

1. Dial your phone number and wait for the TAD to answer.

2. If the TAD is not set to answer calls, it will answer after about 10 rings and sound a series of beeps.

3. When the outgoing message begins (or the TAD sounds a series of beeps), press **#**, then enter your PIN within 2 seconds.

If the PIN is correct, the TAD announces the day and time, then it announces the number of new and old messages. The TAD plays all new messages then beeps about once every two seconds to let you know it is ready to accept remote commands.

Notes:

- If the TAD does not respond, try entering your pin again. If you enter an incorrect PIN three times, the TAD beeps and hangs up.

- When the TAD is in remote operation, it stops all answering functions and **rC** appears on the base's display. The TAD resumes answering functions when it is no longer in the remote command if you did not turn it off.

- The remote playback of incoming messages is limited to 4 minutes. If you have more messages after 4 minutes have passed, you must press **# 2** again to listen to the rest of the messages.

- When using remote operation, you can only delete the current message during playback. You cannot delete all the messages stored at one time.

- The maximum length of a memo recorded by remote operation is 4 minutes.

To enter a remote command, press **#** and (within 2 seconds) the number for the command you want.

Note: The remote operation stops when someone picks up the handset or any phone on the same phone line.

Remote Commands

Press # then	To
1	Repeat the current message during playback.
2	Play messages.
3	Skip the current message during playback.
4	Delete the current message during playback.
5	Stop playback, recording, or room monitoring.
6	Set the TAD to answer calls.
7	Record or stop recording a memo.
8	Record or stop recording a new outgoing message.
9	Set the TAD to not answer calls.
✳	Monitor the room where the TAD is located.

❐ *Troubleshooting*

We do not expect you to have any problems with your TAD, but if you do, these suggestions might help.

Problem	Suggestion
Low volume or unusual sounds.	Someone has picked up another phone on the same line. Hang up the other phone.
Severe noise interference.	Press **CHANNEL** to change the channel.
	Keep the handset away from computers, remote control toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appliances.
	Move the handset to another location or turn off the source of interference.
The phone cannot be operated at a useful distance from the base because the signal becomes weak or noisy (handset's range has decreased).	Lift the base's antenna to a vertical position.
	Be sure neither antenna is touching a metal surface.
	Return the handset to the cradle, and recharge the battery pack. Replace the battery pack if necessary (see "Connecting, Charging, and Replacing the Battery Pack" on Page 10).
The phone does not work or works poorly.	Be sure the base's phone line cord and AC adapter are correctly and securely connected, and the battery pack is charged.
The handset battery pack does not charge.	Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser.
	Be sure the battery pack is connected correctly.
	Replace the battery pack.
The handset does not ring or receive a page.	Move the handset closer to the base.
	Lift the base's antenna to a vertical position.
	Be sure the battery pack is charged. (If the battery power is too low, it does not have enough power to light the TALK/LOW BATT indicator.)
	Move the base away from other electrical devices and sources of noise.
The handset stops working or works poorly during a call.	Move the handset closer to the base.
	Lift the base's antenna to a vertical position.
	Be sure the battery pack is charged. (If the battery power is too low, it does not have enough power to light the TALK/LOW BATT indicator.)

Problem	Suggestion
The handset stops working or works poorly during a call (continued).	If the base loses power while the handset is away, the security access-protection code might change. Restore power to the base, then place the handset back on the base. The CHARGE/IN USE indicator lights, indicating that the code is set again.
	Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser.
The TAD does not answer calls.	Make sure the TAD is turned on.
	Make sure the AC adapter is properly connected.
	Check all phone line connections.
The TAD does not record callers' messages.	**REC TIME** is set to **ANN** (announcement only). Set it to **1** or **4**.
	Delete messages if memory is full.

If you still have problems, disconnect the TAD. If other phones on the same line work properly, the fault is in this phone or its installation. If you cannot find the problem, take your phone to your local RadioShack store for assistance.

CARE

To enjoy your phone for a long time:

- Keep the phone dry. If it gets wet, wipe it dry immediately.

- Use and store the phone only in normal temperature environments.

- Handle the phone gently and carefully. Do not drop it.

- Keep the phone away from dust and dirt.

- Wipe the phone with a damp cloth occasionally to keep it looking new.

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 RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your phone until you have resolved the problem.

Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

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