



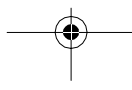
Cat. No. 43-1098

## OWNER'S MANUAL

Please read before using this equipment.

# ET-928

## Digital Spread Spectrum 900 MHz Cordless Speakerphone





## FEATURES

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Your RadioShack ET-928 Digital Spread Spectrum 900 MHz Cordless Speakerphone uses advanced digital cordless technology to give you superior sound quality. It uses the 900 MHz band, which means less interference and clearer sound, and greater range than 46/49 MHz cordless telephones. Its cordless operation lets you make or answer calls just about anywhere in your home or office.

And, its optional headset jack lets you connect a headset to the handset for hands-free conversation — perfect for when you are working in the yard or garage.

Its features include:

**900 MHz Operation** — provides better sound and less interference than many other cordless phones.

**3.5-Hour Talk or 7-Day Standby Time** — lets you talk for 3.5 hours or keep the phone off the base for 7 days without recharging (with a fully charged battery pack).

**Digitally Encoded Signal** — prevents other people from picking up your phone's signal and listening to your conversations.

**Dual Keypads** — a full set of keys on both the ET-928's handset and its base let you use either to make and answer calls or program the phone's features.

**Handset/Base Disable** — automatically disables the ET-928's handset or base during a call to prevent anyone from interrupting your call at the other keypad.

**Speakerphone** — lets you make or answer calls without using the handset.

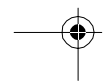
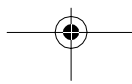
**Two-Way Intercom/Paging System** — lets you send a signal from the base to the handset, or from the handset to the base, so you can page someone or easily locate the handset when it is away from the base. If someone answers, you can use the ET-928 as a two-way intercom.

**20-Number Memory Dialing** — lets you store up to 16 digits in each of 20 memory locations for easy dialing.

**Digital Volume Controls** — let you adjust the volume of the sound you hear through the handset and the speakerphone.

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**Out of Range Signal** — the handset beeps twice to let you know when you move out of the base's operating range.

**Security Access Protection Code** — changes each time you place the handset on the base, to minimize the chances of other cordless phones using your phone line.

**20 Channels** — scans the 20 frequency pairs used between the base and the handset and automatically selects a clear channel each time you make or receive a call.

**Any-Key Answer** — lets you press any key on the handset to answer an incoming call.

**Programmable Ringers** — let you select from four ringer types and turn the ringer on or off at both the handset and the base.

**Hold** — lets you answer an incoming call without disconnecting the current call.

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

**Flash** — sends an electronic switch-hook signal for use with special phone services such as Call Waiting.

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

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

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

For your records, we recommend you record the phone's serial number here. The number is on the bottom of the base.

Serial Number: \_\_\_\_\_

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
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**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.

### 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 using your ET-928. For this reason, the ET-928 should not be your only telephone. To be safe, you should also have a phone that does not require AC power to operate (not a cordless phone), so you can still make and receive calls if there is an AC power failure.
- Some cordless phones operate at frequencies that might cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless phone should not be placed near or on top of a TV or VCR.

### 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 bottom of the base.

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

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

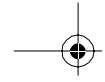
### READ THIS BEFORE INSTALLATION

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 device's *ringer equivalence number*, or *REN*. The REN is on the bottom of the base.

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

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# INSTALLATION

## INSTALLING THE HANDSET'S ANTENNA

Insert the antenna into the hole on the top of the handset, then twist the antenna clockwise until it is secure.

- The USOC number of the jack to be installed is RJ11C (RJ11W if you want to mount it on a wall plate).

**Caution:** You must use an AC adapter that supplies 9 volts with the center tip set to positive. It must deliver 500 milliamps, and its plug must properly fit the telephone's **DC 9V** jack. The supplied AC adapter meets these specifications. Using an adapter that does not meet these specifications could damage the telephone or the adapter.

## SELECTING A LOCATION

You can place the phone on a desk top, or mount it on a wall plate or directly on a wall. Select a location that is:

- near an AC outlet
- near a telephone line jack
- away from electrical machinery, electrical appliances, metal walls or filing cabinets, wireless intercoms, alarms, and room monitors
- away from other cordless phones

## Placing on a Desk Top

1. Push in the two tabs on the top of the mounting bracket, then lift off just the upper part of the bracket.

*illus -- enlarge to fill space*

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.

### 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.

2. Insert the supplied AC adapter's barrel plug into the **DC 9V** jack on the back of the base, route the adapter cord through the strain relief slot and the hole on the bracket, then push in the mounting bracket's upper end to click the bracket into place.

*illus -- label strain relief slot*



3. Plug one end of the supplied long modular cord into the phone line jack on the back of the base.

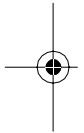
### Mounting on a Wall Plate

1. Push in the two tabs on the top of the mounting bracket, then lift off the entire bracket.

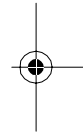
*illus -- enlarge to fill space*

4. Plug the AC adapter into a standard AC outlet.

2. Plug one end of the supplied short modular cord into the phone line jack on the back of the base, then press the cord into the center groove on the bottom of the base.



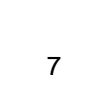
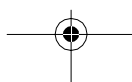
5. Plug the modular cord's other end into a modular phone line jack.

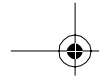


6. For the best reception, adjust the base's antenna so it stands straight up.

3. Insert the supplied AC adapter's barrel plug into the **DC 9V** jack on the back of the base. Then route the cord through the strain relief slot and press the cord all the way down into the groove on the bottom of the base.

*illus -- label strain relief*





4. Position the mounting bracket with the narrow end on top. Route the short modular cord through the center hole of the bracket, and insert the two tabs at the top of bracket into the matching slots on the base's back, near the jacks.

plate, then slide the base downward to secure it.

*illus -- show modular cord already connected*

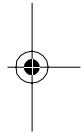
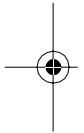
7. Plug the AC adapter into a standard AC outlet.

Press the two tabs at the bottom of the bracket into the matching slots on the back of the base to lock the bracket into place.

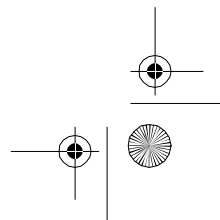
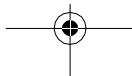
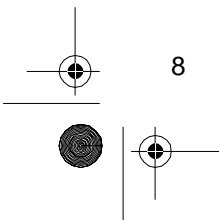
8. For the best reception, adjust the base's antenna so it stands straight up.

5. Plug the modular cord's other end into the wall plate's modular phone line jack.

6. Align the keyhole slots on the bracket with the studs on the wall



8

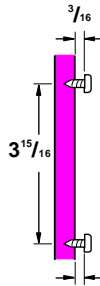




## Mounting Directly on the Wall

For this mounting method, you need two wood screws (not supplied) with heads that fit into the keyhole slots on the mounting bracket.

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



*illus -- label strain relief slot*

2. Push in the two tabs on the top of the mounting bracket, then lift off the entire bracket.

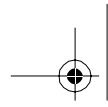
*add illus -- like the one below Step 1 of previous section*

4. Insert the AC adapter's barrel plug into the **DC 9V** jack on the back of the base. Then route the cord through the strain relief slot and press the cord into the groove on the bottom of the base.

5. Position the mounting bracket with the narrow end on top. Insert the two tabs at the top of bracket into the matching slots on the base's back, near the jacks.

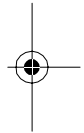
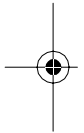
3. Plug one end of the supplied long modular cord into the phone line jack on the back of the base, then press the cord into the center groove on the bottom of the base.

Press the two tabs at the bottom of the bracket into the matching slots on the back of the base to lock the bracket into place.



6. Align the keyhole slots on the mounting bracket with the screws on the wall, then slide the base downward to secure it.

7. Plug the AC adapter into a standard AC outlet.



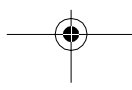
8. Plug the long modular cord's other end into a modular phone line jack.

*add illus -- like Step 5 of previous section*

9. For the best reception, adjust the base's antenna so it stands straight up.



10





## PREPARATION

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### CONNECTING AND CHARGING THE BATTERY PACK

The ET-928 comes with a rechargeable nickel-cadmium battery pack in the handset, but not connected. Before using your phone, you must connect the battery pack, then charge it for about 24 hours.

1. Slide off the handset's battery compartment cover.
2. Insert the battery pack's connector with its flat side up into the phone's socket. The connector fits only one way.
3. Replace the cover.

To charge the battery pack, place the handset on the base.

Recharge the battery pack when the BATT LOW indicator on the handset lights.

*add illus of indicator location*

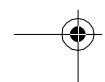
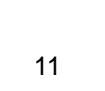
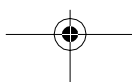
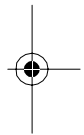
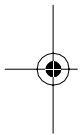
#### Notes:

- You can hang the handset face up on the base if it is wall-mounted (using the slot on the back of the handset); however, the battery pack will not fully charge in this position.
- When you first use your phone after charging or recharging the battery pack, the handset might not work or it might sound an error tone when you press **TALK**. If this happens, place the handset on the base for about 5 seconds, then try again.
- If the CHARGE indicator does not light when you place the handset on the cradle, be sure the battery and AC adapter are correctly and securely connected.

*add illus of indicator location*

Also, check the charging contacts on both the handset and base. If the contacts are dirty or tarnished, clean them with a pencil eraser.

*add illus of contacts' location*



- If the battery pack becomes weak, the handset sounds a short beep every 16 seconds during a call (or every 64 seconds when the handset is not in use) and the BATT LOW indicator flashes. Within about 10 minutes, the phone will automatically disconnect. Recharge the battery pack.
- If the battery pack loses its charge completely or the base loses power while the handset is away from it, the security access-protection code needs to be reset. To reset the security code, place the handset on the base. If it was the handset that lost power, leave the handset on the base to charge the battery pack.
- About once a month, fully discharge the battery pack by keeping the handset off the base until the BATT LOW indicator turns on. Otherwise, it loses its ability to fully recharge, and you might have to recharge and replace it more often.

## SETTING THE DIALING MODE

Set **T/P** (Tone/Pulse) for the type of service you have. If you are not sure which type you have, do this test.

1. Set **T/P** on the back of the base to **T**.

*illus -- reduce to fit space*

2. Press **SPEAKER** (speakerphone) on the base (or **TALK** on the handset after the battery is charged) and listen for a dial tone.

*illus -- (1) SPEAKER on base and (2) TALK on handset (show more of base)*

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 either.

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

If the tone continues, you have pulse (rotary) service. Set **T/P** to **P**.

4. To hang up, press **SPEAKER** on the base (or **TALK** on the handset) so either LED indicator turns off.

## ADJUSTING THE RINGERS

The ET-928's handset and base each have four different ringer tones. You can set the base's and handset's ringer tone, or turn off the ringer on either or both.

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## Turning On/Off the Ringers

To have the base ring when a call comes in, set **RINGER ON/OFF** on the back of the base to **ON**.

*illus -- reduce to fit space*

*add illus (2) of VOLUME locations*

To have it not sound, set **RINGER ON/OFF** to **OFF**.

To have the handset ring when a call comes in, set **RINGER ON/OFF** on the handset's left side to **ON**.

*location of handset's RINGER ON/OFF set to ON*

## Checking/Setting the Ringer Tone

The base and handset are both preset to use the same ringer tone (1). To change or hear the different tones, press **FLASH** then **1**, **2**, **3**, or **4** on that keypad when the phone is not in use. (The last number button you pressed is the tone you will hear.)

*illus of FLASH*

To have it not sound, set **RINGER ON/OFF** to **OFF**.

**Note:** Even if you turn off the ringer on the handset or base, you can still make calls using that keypad, and you can still answer calls if you hear another phone on that same line ring (see "Operation" on Page 14).

## Setting the Ringers' Volume

To adjust the ringers' volume, when the phone is not on a call, repeatedly press **VOLUME** s or t on the handset or base.

## OPERATION

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You can use the keypad on the handset or base to operate the ET-928. To use the phone's features during a call, however, you must use the same keypad that you used to make or answer that call.

**Important:** If you move the handset outside the base's range (about 550 feet), the handset will not operate properly and a call in progress might be disconnected (see "Troubleshooting" on Page 22).

### MAKING/ANSWERING CALLS

#### Using the Handset

To make a call using the handset, lift the handset and press **TALK**. When you hear the dial tone, dial the number.

*illus -- label TALK  
indicator*

#### Using the Speakerphone

To make a call using the speakerphone, press **SPEAKER** so the SPEAKER indicator turns on. Listen for the dial tone, then dial the number.

*illus of SPEAKER  
location; label  
indicator*

To answer a call when the handset is on the base, lift the handset and begin your conversation.

To answer a call when the handset is not on the base, press any key on the handset before speaking.

Both the SPEAKER indicator on the base and the TALK indicator on the handset flash when you receive a call. While the speakerphone or handset is in use, the corresponding indicator lights steadily.

To end a call, place the handset on the base or press **TALK** so the TALK indicator turns off.

To answer a call using the speakerphone, press **SPEAKER** so the SPEAKER indicator turns on, then begin your conversation.

To end a speakerphone call, press **SPEAKER**. The SPEAKER indicator turns off.

**Note:** If background noise interferes with the speakerphone's operation, you can press **MUTE** to turn off the base's microphone while the other party is speaking (see "Using Mute" on Page 16).



## Switching Between the Handset and Speakerphone

To switch from the handset to the speakerphone at any time during a call, press **HOLD** on the handset, then **SPEAKER** on the base so its red indicator turns on, and begin the conversation.

*illus of handset HOLD location*

*illus of base VOLUME*

To turn the volume up or down during a call, repeatedly press **VOLUME** s or t on the handset or base. The ET-928 beeps once each time you press **VOLUME** s or t. When you reach the highest or lowest volume level, the ET-928 beeps three times.

To switch from the speakerphone to the handset, lift the handset off the base. If the handset is already off the base, press **HOLD** on the base. The red **SPEAKER** indicator flashes. Then press **HOLD** on the handset to release the hold.

## USING REDIAL

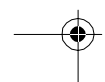
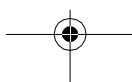
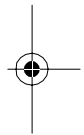
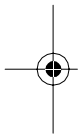
To redial the last number dialed, press **REDIAL** on the handset or base when you hear the dial tone.

*illus of handset/base REDIAL locations*

## ADJUSTING THE VOLUME

The handset's **VOLUME** control lets you set the volume you hear through the handset to one of four levels. The base's **VOLUME** control lets you set the volume of the speakerphone to one of eight levels.

*illus of base VOLUME*



## USING HOLD

To place a call on hold, press **HOLD** on the handset or base. The **SPEAKER** indicator on the base and the **TALK** indicator on the handset (if it is off the base) flash to remind you that the call is on hold. You and the other party cannot hear each other.

*illus of HOLD locations  
on base and handset*

To take a call off hold and resume your conversation, press **HOLD** on the handset or base.

**Note:** You can use the hanging hole on the back of the handset to place the handset on the wall-mounted base face-up.

*add illus of handset  
face-up on base*

## USING MUTE

The **MUTE** button on the base (there is none on the handset) lets you talk to someone else in the room without the person on the other end of the phone line hearing your conversation. Press **MUTE** during the call. The **MUTE** indicator on the base lights steadily.

Press **MUTE** again to resume your phone conversation. The **MUTE** indicator turns off.

## USING FLASH

You can use **FLASH** on the handset or base to produce a switchhook signal for 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 of FLASH lo-  
cations on hand-  
set and base*



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

## 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 services.

With **T/P** set to **P**, just press **\*** when you want to begin sending tones. Any additional numbers you dial are sent as tone signals. When you hang up, the phone automatically resets to the pulse mode.

## CHANGING CHANNELS

The ET-928 continuously scans channels (frequency pairs used between the base and the handset) and automatically selects a clear one each time you make or receive a call using the handset.

If you notice interference during a call, however, you can repeatedly press **INTCM** on the handset to try to find a clearer channel. The ET-928 changes to a different channel each time you press **INTCM**.

**Note:** You cannot change the channel while using **HOLD**.



## SPECIAL FEATURES

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### MEMORY DIALING

You can store up to 20 numbers of up to 16 digits each in the ET-928's memory, then dial them with the press of a few buttons.

#### Storing a Number

**Notes:**

- You can use either the base or the handset to store and dial numbers.
- You must complete these steps within 30 seconds of each other. If you do not, the ET-928 sounds a long beep, all indicators stop flashing, and you must start over again at Step 1.
- You can store special banking or telephone service numbers (such as access codes or account numbers) in memory, but for security purposes, we recommend that you do not store private numbers (such as personal identification numbers or passwords) in memory.

1. Press **MEM** (memory) on the handset or base. The TALK indicator on the handset and the SPEAKER indicator on the base flash.

*illus of base MEM location*

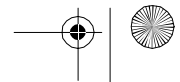
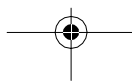
2. Enter the number you want to store.

**Notes:**

- If you have pulse service and want to send tone signals, press **TONE \*** at the appropriate place in the sequence of numbers.
  - Each **TONE \*** or pause entry (see "Storing a Pause" on Page 19) counts as one digit in memory.
3. Press **MEM** then the number key (**01–20**) of the memory location where you want to store the number. The phone beeps twice and stores the number, and all indicators turn off.

**Notes:**

- To change a number in memory, store a new one in its place.
- To erase a number from memory, repeat Steps 1 and 3, skipping Step 2.



## Storing 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 add one or more 2-second pauses to a phone number you are storing in memory, press **REDIAL** at each point where a pause is needed.

**Note:** Each pause entry counts as one digit in memory.

## Dialing a Stored Number

To dial a stored number, when you hear the dial tone, press **MEM** then the desired memory location number (01–20).

## Chain Dialing Service Numbers

You can make a call using more than one of the ET-928's memory locations. This is called chain dialing. Chain dialing is useful for dialing special services such as alternate long distance or bank-by-phone.

When calling special services, dial the service's main number first. Then, at the appropriate place in the call, press **MEM** and the number for the memory 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 want 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 THE INTERCOM

You can use the ET-928 as a two-way pager and intercom between the base and the handset. This is useful if the handset is away from the base and you want to locate it, or if you want to have a conversation between someone with the handset and someone at the base.

### Notes:

- If the handset is in use when it receives a page, the handset beeps twice every 4 seconds.
- If a call comes in during an intercom conversation, either of the intercom parties can answer the call, but the intercom call is disconnected.



- If a call is in progress on the handset or base when it receives a page, you can put the call on hold, then answer the page. When you finish the intercom call, release hold to disconnect the intercom and resume the phone call.

### Paging from the Base to the Handset

To send a page from the base to the handset, press **INTCM**. The handset beeps twice per second for 15 seconds. The base's INTERCOM indicator flashes while the handset beeps.

### Paging from the Handset to the Base

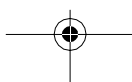
To send a page from the handset to the base, press **INTCM**. The base beeps twice and automatically answers the handset's page (whether or not anyone is there). Begin your conversation after the INTCM indicator on the handset lights steadily.

To end an intercom call, press **INTCM** on the base or handset. All indicators turn off.

*illus of INTERCOM location*

To answer a page at the handset, press **INTCM**. The base beeps twice. Begin your conversation after the INTCM indicator on the handset lights steadily.

To end an intercom call, press **INTCM** on the base or handset. All indicators turn off.






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## USING AN OPTIONAL HEADSET

Your ET-928's handset is equipped with a headset jack on top. This jack allows you to connect an optional headset (such as RadioShack Cat. No. 43-194) for hands-free conversation — perfect for when you are working in the yard or garage. You must also have a headset holder (such as Cat. No. 43-197, not supplied) for the headset so you can carry it with you while you use the headset.

Follow these steps to use a headset.

1. Place the ET-928's handset in the handset holder.

2. Insert the headset's  $\frac{3}{32}$ -inch (2.5 mm) plug into the  jack on top of the handset.

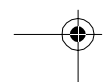
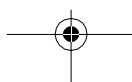
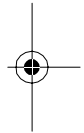
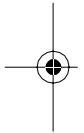
3. Place the headset on your head with the earpiece over either ear and adjust the microphone boom until it is about even with your chin.

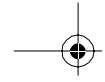
*illus -- enlarge*

4. Clip the headset case on your belt.

*illus -- don't show the back of the clip; it would not be visible if it was attached to a person's*

5. Make or receive calls as you would normally.

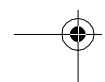
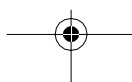




## **TROUBLESHOOTING**

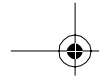
We do not expect you to have any problems with your phone, but if you do, the following suggestions might help.

<b>Problem</b>	<b>Solution</b>
Low volume or unusual sounds.	Someone has picked up another phone on the same line. Hang up the other phone.
	Press <b>VOLUME</b> s on the handset to turn up the handset's volume or <b>VOLUME</b> s on the base to turn up the speaker's volume.
Noise interference.	Repeatedly press <b>INTCM</b> on the handset to try to find a clearer channel. If the interference continues, return the handset to the cradle for a few seconds to reset the security access protection code, then try again.
	You might be moving out of range (see "Out of Range Indications" on Page 24). Move the handset closer to the base or relocate the base.
	Keep the handset away from computers, remote controlled toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appliances.
	Move 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 (the handset's range has decreased).	Adjust the base's antenna so it stands straight up.
	Be sure neither antenna is touching a metal surface.
	Return the handset to the cradle, and recharge the battery pack.



Problem	Solution
The phone does not work or works poorly.	Be sure the base's phone line cord and AC adapter are correctly and securely connected.
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.
The handset does not ring or receive a page.	Be sure the handset's ringer is turned on.
	Adjust the base's antenna so it stands straight up.
	Move closer to the base.
	Move the base away from noise sources.
	The battery pack might be weak. Charge the battery pack by placing the handset on the base for 15–24 hours.
The handset stops working or works poorly during a call.	Return the handset to the base to reset the security code.
	Move the handset closer to the base.
	Adjust the base's antenna so it stands straight up.
The caller's voice gets cut off and is hard to hear when using the speaker-phone.	Be sure the handset's battery pack is charged. (If the battery power is too low, it does not have enough power to light the BATT LOW indicator.)
	Press <b>VOLUME</b> s to turn up the speaker's volume.
	Press <b>MUTE</b> on the handset to turn off the ET-928's microphone while the other party is speaking.

If you still have problems, disconnect the phone. 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.



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## OUT OF RANGE INDICATIONS

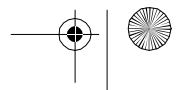
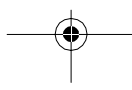
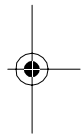
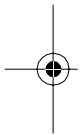
If you move the ET-928's handset out of the base's range, the handset will not operate properly.

If you move the handset out of the base's range when the handset is not in use, the handset's BATT LOW indicator flashes and the handset beeps twice every 16 seconds. When you move the handset back within range of the base again, the out of range indications stop.

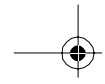
If you move the handset out of the base's range while a call is in progress, two beeps sound through the earpiece every 3–4 seconds and the BATT LOW indicator flashes, and you and the other party cannot hear each other.

If you move the handset back within the base's range within 30 seconds, the out of range indications stop, and you can resume your phone conversation.

If you keep the handset out of the base's range for 30 seconds or more, two beeps sound through the earpiece every 3–4 seconds and the BATT LOW indicator flashes. After 30 seconds, the call is disconnected, the handset beeps twice every 16 seconds and the BATT LOW indicator keeps flashing. When you move the handset back within range of the base again, the out of range indications stop.







## CARE AND MAINTENANCE

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Your RadioShack ET-928 Digital Spread Spectrum 900 MHz Cordless Speakerphone 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 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 environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

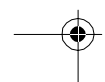
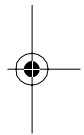
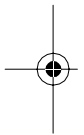


Keep the phone away from dust and dirt, which can cause premature wear of parts.



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 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 phone lines, the phone company might ask you to disconnect your phone until you have resolved the problem.



## REPLACING THE BATTERY PACK

If you follow the instructions in "Connecting and Charging the Battery Pack" on Page 11, the battery pack should last about one year. If the battery pack will not hold a charge for more than 2 hours after an overnight charge, replace it with a new 3.6 V, 600 mAh battery pack that has a connector which fits the socket in the battery compartment. You can order a replacement battery pack through your local RadioShack store.

Install the new battery pack as described here, then charge the battery pack for 24 hours.

**Note:** To avoid losing phone numbers stored in memory, try to install and begin charging the new battery pack within about 2 minutes.

1. Press down and slide off the handset's battery compartment cover.

*illus like 1097-019  
w/batt installed*

2. Gently pull out the battery pack's connector to disconnect it, then remove the battery pack.
3. Insert a fresh battery pack and plug its connector with the flat side up into the socket inside the battery compartment. The connector fits only one way.
4. Replace the cover.

### Cautions:

- Use only a replacement battery pack of the required type (3.6 V, 600 mAh rechargeable battery pack).
- Do not dispose of the battery pack in a fire because it can explode.
- Do not open or mutilate the battery pack. Swallowing battery parts can be fatal.
- Be careful not to short the battery pack with conducting materials, such as rings, bracelets, and keys. The battery pack or conductor might overheat and burn.
- At the end of a nickel-cadmium 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 curbside collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.

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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. The phone company normally 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 phone company normally notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your phone service.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly.

To eliminate interference, you can try one or more of the following corrective measures:

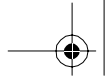
- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the radio or TV
- Use outlets on different electrical circuits for the equipment and the radio or TV

Consult your local RadioShack store if the problem still exists.

## 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.



### 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 the limitations on how long an implied warranty lasts or the exclusion 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.

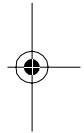
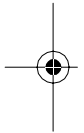
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs 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.

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

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

*We Service What We Sell*

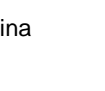
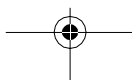
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**A Division of Tandy Corporation**  
**Fort Worth, Texas 76102**

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