RadioShack

RS 43-3518

OPERATIONS MANUAL
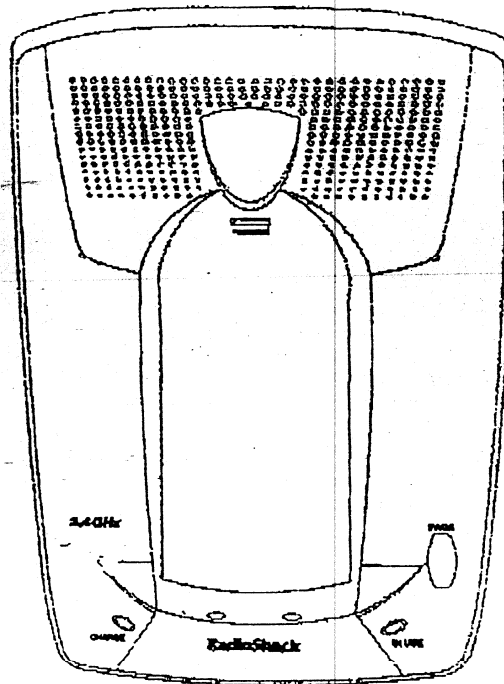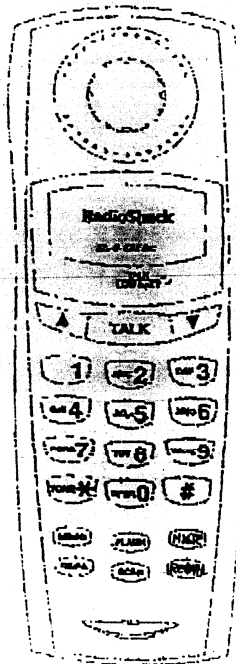
FCC INFORMATION

FCC Regulations

This equipment has been tested and complies with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are intended to provide reasonable protection against such interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

. Reorient or relocate the receiving antenna.

. Increase the separation between the equipment and receiver.

. Connect the equipment into an outlet on an electrical circuit different
from that to which the receiver is connected.

. Consult the dealer or an experienced radio/TV technician.

Upon request from your telephone company, you must provide the FCC registration number and the Ringer Equivalence Number (REN) found on the bottom of your RS43-3518

A FCC compliant telephone cord and modular plug are provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack, which is Part 68 compliant.

Telephone Company Procedures

The goal of the telephone-company is to provide you with the best service it can. In order to do this, it may occasionally have to make changes in its equipment, operations, or procedures. If these changes might affect your service or the operation of your equipment, the telephone-company will give you notice in writing to allow you to make any changes necessary to maintain uninterrupted service. If you have any questions about your telephone line, such as how many pieces of equipment you can connect to it, the telephone company will provide this information upon request.

In certain circumstances, it may be necessary for the telephone company to request information from you about the equipment which you have connected to your telephone line. Upon request of the telephone company, you must provide the FCC registration number and the Ringer Equivalence Number(REN) of the equipment which is connected to your line.
Both of these numbers are listed on the equipment label on the bottom of your RS43-3518

In most(but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, you should contact your local telephone company.

Note: This equipment is hearing aid-compatible(HAC).

Type of Service
Your cordless telephone is designed for use on standard device telephone lines. The phone connects to the telephone line with a standard jack called the USOC-RJ11C. Connection to telephone company-provided coin service (central office implemented systems) is prohibited. Connection to party line service is subject to State tariffs.

If Problems Arise
If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network. If the telephone company notes a problem, they may temporarily stop service. When practical, they will notify you before this disconnection. If advance notice is not feasible, you will be notified as soon as possible. When you are notified, you will be given the opportunity to correct the problem and will be informed of your right to file a complaint with the FCC.

In the event repairs are ever needed on your cordless telephone, they should be done by an authorized representative of

For information, contact

Industry Canada(IC)regulations
This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numerique de la classe B respecte toutes les exigences du Reglement sur le material brouilleur du Canada.

Notice: The Canadian Department of Communications label identifies certified equipment. This certification means the equipment meets certain telecommunications network
Protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the customer's satisfaction.

Before installing this equipment users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. Sometimes, the company's inside wiring associated with a single line individual service may be extended with a certified connector assembly (telephone extension cord). The customer should be aware that compliance with
these conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance Facility by the supplier. Any equipment malfunctions or repairs or alterations made by
The user to the equipment may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected. The precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician.

The Load Number assigned to each terminal device denotes the percentage of the total load to be connected a telephone loop, which is used by the device to prevent overloading.
The termination on a loop may consist of any combination of devices subject to the requirement that the total of the load numbers of all the devices does not exceed 100.

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DESCRIPTION
CONTROLS' LOCATION AND FUNCTION
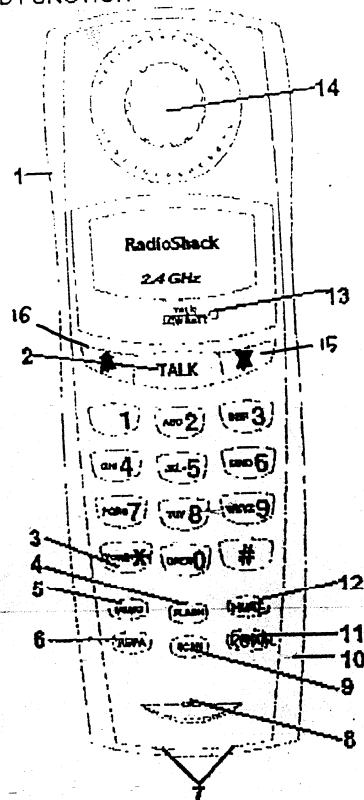
(Figure 1)

HANDSET CONTROLS
1. **RING ON / OFF Switch:** Turns the handset ringer ON or OFF.
2. **TALK Button:** Press to answer an incoming call or to place a call. Press to end a call.
3. **TONE (*) Button:** Used to temporarily change the dialing mode from pulse to tone for rotary service users. Provides tone function to access special services such as phone banking services.
4. **FLASH Button:** Momentarily hangs up the phone to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company.
5. **MEMO (Memory) Button:** Used for storing / retrieving phone numbers to / from the 10 Memory Dialing Directory.
6. **PAUSE   ) Button:** USED to INSERT a 4 second delay between dialed number in PABX System oR long distance services.

7. **Charge Contacts:** Used for charging the handset battery.
8. **Microphone:** Used for speaking with callers.
9. **SCAN Button:** Allows you to change channels if the current channel is noisy or has interference from other sources.
10. **Headset Jack:** For headset connection with hands free conversation.
11. **REDIAL   Button:** Automatically dials the last number called up to 32 digit
12. **MUTE .... __ Button:** MicRophone Mute
13. **TALK / LOW BATT LED Indicator:** Flashes when an incoming call is received and during paging condition. During TALK mode, the TALK LED indicator remains lit steadily. The LOW BATT LED indicator blinks when the handset battery power is low.
14. **Receiver:** Allows you to hear calls.
15. **Volume Button :** Allow you to decrease the handset Volume
16. **Volume Button :** Allow you to increase the handset Volume

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OWNER'S MANUAL # RS 43-3518

Rear View

Bottom View

(Figure 2)
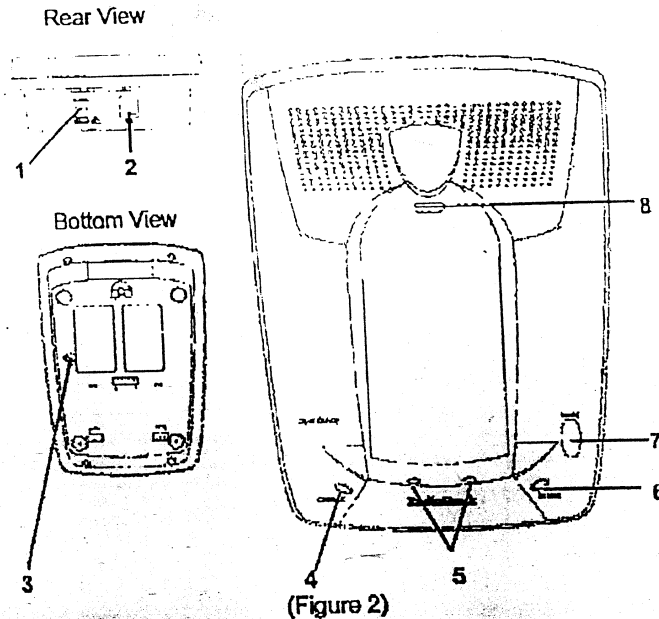
BASE UNIT CONTROLS

1. **9VDC Adapter Jack:** A jack located on the rear side of the base unit used for connecting the adapter to the base unit.
2. **TEL LINE JACK:** Accepts line cord to make connection with modular type telephone outlet.
3. **T / P (Tone / Pulse) Switch:** Allows you to switch the dialing mode to either Tone or Pulse dialing.
4. **CHARGE LED Indicator:** Turns on when the base is charging the handset. Turns off when the handset is removed from its cradle.
5. **Charge Terminals:** Used for charging handset battery. We recommend that you clean these contacts periodically with an alcohol-moistened cloth or cotton swab.
6. **IN USE LED Indicator:** Lights up steadily when the phone is being used. Flashes when an incoming call is received and during paging condition.
7. **PAGE Button:** Allows you to locate the handset when it is not on the base unit.
8. **Retainer Tab:** Allows the handset to hang from the base unit when the base unit is placed in the wall mount position.

MOUNTING POSITION

DESKTOP USE:
Connect the telephone line cord to the TEL LINE jack on the rear of the base unit and connect the opposite end to the telephone modular jack.
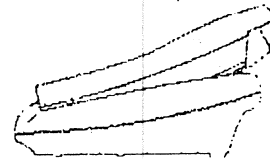
(Figure 3)

WALL USE:
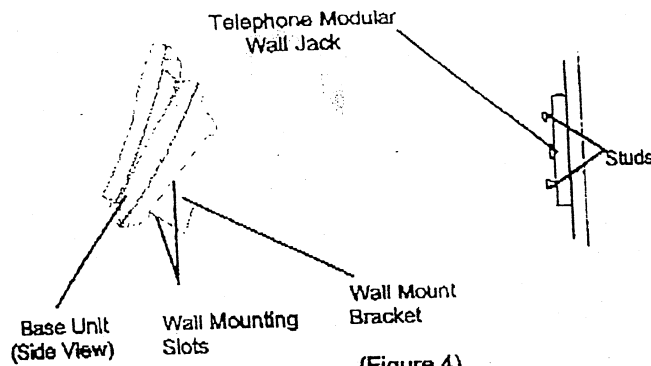**A. WITH A STANDARD AT&T OR GTE MODULAR WALL JACK**
1. Install the wall mount bracket at the position as shown in Figure 4.
2. Connect the short telephone line cord to the TEL LINE jack on rear of the base unit.
3. Connect the opposite end of the telephone line cord to the modular wall jack.
4. Align the wall mounting slots with the studs located on the modular wall plate and slide the base down to lock in place.

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Telephone Modular Wall Jack

Studs

Base Unit (Side View)

Wall Mounting Slots

Wall Mount Bracket

(Figure 4)

NOTE: If you do not have a standard modular wall jack, find a qualified technician to mount one on the wall.

B. WALL MOUNTING (No Standard Wall Jack)

1. Drill two holes with a vertical distance between the two marked positions of 3 15/16" (100 mm) as shown in Figure 5.
2. Drive a screw into each of the holes. Tighten them to the end of the screw line, only leaving the smooth part of the screw head outside the wall.
3. Hang the unit onto the screws, and then slide it down firmly to fasten the base securely.

3 15/16" (100 mm)
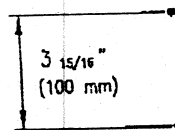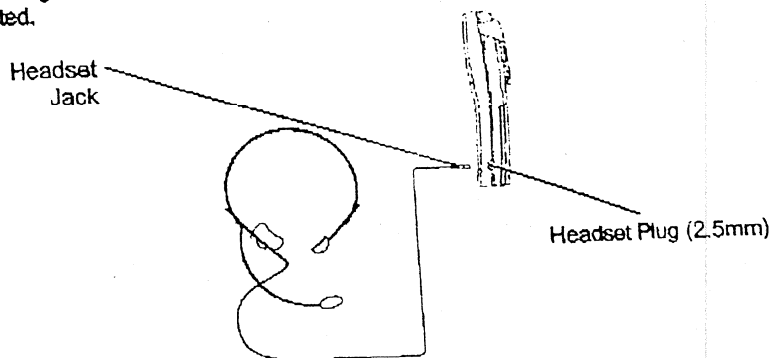
(Figure 5)

BELT CLIP INSTRUCTION

Clamp the belt clip at the back of the handset as shown in Figure 6.

Belt Clip
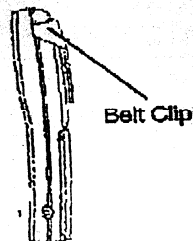
(Figure 6)

CONNECTING THE HEADSET

For hands free conversation, a headset (not included) is connected to the headset jack as shown in Figure 7. The handset receiver and microphone are disabled when the headset is connected.

Headset Jack

Headset Plug (2.5mm)

(Figure 7)

Press the TALK button to answer or place a call using the headset. Refer to the manufacturer's headset manual for more details.
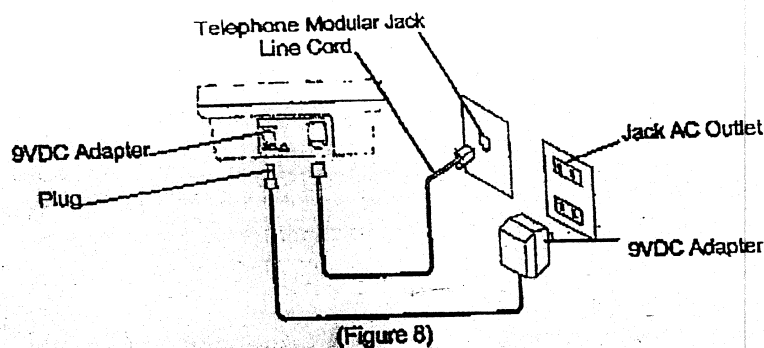
POWER INSTALLATION
BASE UNIT POWER CONNECTION

⚠️ **CAUTION:**

You must use a Class 2 Power Source 9VDC 300mA. The plug must correctly fit the base unit's adapter jack.
1. Plug the adapter into a standard AC outlet.
2. Insert the small plug into the adapter jack on the rear of the base as shown in Figure 8.

Telephone Modular Jack
Line Cord

9VDC Adapter

Plug

Jack AC Outlet

9VDC Adapter

(Figure 8)

HANDSET BATTERY INSTALLATION

⚠️ **CAUTION:**

Use only the Nickel Cadmium (Ni-Cd) battery type included with this unit. Use of other battery types may cause injuries or damage.
1. Remove the battery compartment cover of the handset.
2. Connect the rechargeable Ni-Cd battery as shown on Figure 9.

Handset
Battery
Compartment

Insert the End of the
Battery Pack Wire

RED Wire

BLACK Wire

(Figure 9)
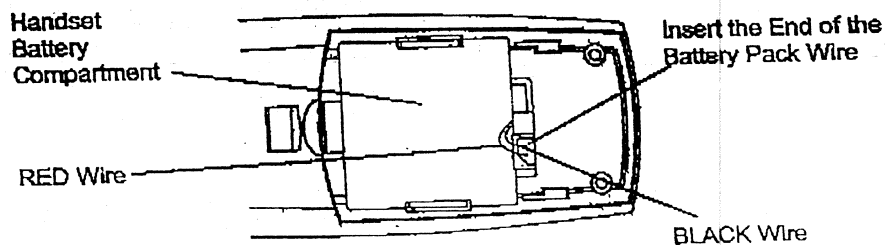
3. Insert the Ni-Cd battery into the battery compartment of the handset.
4. Slide the battery compartment cover firmly in its closed position.

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INITIAL SETUP

Before you can use your cordless telephone, the handset must be charged for at least 14 hours. See charging instruction in the MAXIMIZING BATTERY LIFE section of this manual.

TONE / PULSE SETTING

Select the appropriate dialing service by moving the T / P (Tone / Pulse) switch on the bottom of the base unit:

- (T) TONE for Tone service, or
- (P) PULSE for Rotary service.
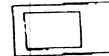
T / P
(Figure 10)

TELEPHONE OPERATION

TO PLACE A CALL

1. Press the TALK button on the handset. The handset TALK LED indicator will flash while the unit auto-scans and will light steadily when it finds a clear channel. A confirmation tone is heard once there is a link between the base and handset. The base IN USE LED indicator will also light steadily when the handset is in talk mode.
2. Listen for a dial tone.
3. Dial the telephone number.
4. When finished with your call, press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

TO RECEIVE A CALL

NOTE: If you are expecting incoming calls, the ringer switch must be set to RING ON position.

A. IF THE HANDSET IS ON THE BASE UNIT

1. When the phone rings, pick up the handset from the base cradle and press the TALK button. The base IN USE and handset TALK LED indicator will turn on.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

B. IF THE HANDSET IS OUT OF THE BASE UNIT

1. When the phone rings, press the TALK button on the handset. The unit will scan for a clear channel until the handset TALK LED indicator lights up and a confirmation tone is heard.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit. The base IN USE LED indicator will turn off.

LAST NUMBER REDIAL

A. AFTER HEARING A BUSY TONE WHEN PLACING A CALL

1. If you get a busy tone, press handset TALK button to hang up.
2. Press the handset TALK button again and listen for a dial tone.
3. Press the handset RE . button. This will automatically redial the last telephone number you called (Up to 32 digits).

B. WHEN THE HANDSET IS OFF THE BASE UNIT AND IN STANDBY MODE

1. Press the TALK button on the handset and listen for a dial tone.
2. Press the RE . button. This will automatically redial the last telephone number you called (Up to 32 digits).

MEMORY DIALING

You can store up to 10 telephone numbers (up to 16 digits each) into memory and you can then dial any of the stored phone numbers.

A. STORING TELEPHONE NUMBERS INTO MEMORY

1. Make sure that the handset is in the standby mode. The base IN USE and handset TALK LED indicator should be OFF.
2. Press and release the MEMO button. The handset will beep once.

3. Enter the telephone number you want to store (maximum of 16 digits). A key tone is heard for every key pressed.
4. Press the MEMO button once again.
5. Press a number (0 through 9) where you want to store the phone number.
NOTE: You will hear a long beep to confirm that the number was properly stored.
6. Repeat procedures 1 to 5 to store other telephone numbers.

B. RECALLING A TELEPHONE NUMBER FROM MEMORY
1. Press the TALK button.
2. Press the MEMO button.
3. Select and press one of the keypad buttons (0 to 9). The stored telephone number will be dialed automatically.

C. CHANGING STORED TELEPHONE NUMBERS
- Follow the steps described in "Storing Telephone Numbers. The new phone number will automatically replace the previous one.

MIXED MODE DIALING (Temporary Pulse to Tone Dialing)
1. If you only have pulse (rotary dialing) service in your area and want to access Tone services (Bank by Phone, etc.), ensure that the Tone / Pulse switch is set to the Pulse position.
2. Press the TONE (*) button once to switch from Pulse to Tone dialing temporarily. Pulse dialing mode resumes when the call is ended.

PAUSE FUNCTION
- In some cases, such as PABX or long distance service, a pause may be needed in the dialing sequence. Pressing the handset PA button inserts a four-second delay between dialed numbers.
- Each four-second pause occupies one digit of the available 16 digits per memory location.

FLASH FUNCTION
- Used to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Consult your local phone company for more details.

CHANNEL SELECTION (40 Channels)
A. AUTO CHANNEL SCAN
- When you place or receive a call and handset TALK button is pressed, the RS 43-3518 auto-scans for the best channel available.
- Once it finds a clear channel, the base unit IN USE and handset TALK LED indicator will light up.

B. MANUAL CHANNEL SCAN
- If the existing channel becomes noisy or starts having interference, press the SCAN button on the handset repeatedly until a clear channel is found.

LOW BATTERY WARNING
- When the handset battery voltage level is low, the handset will emit 2 beeps every 1 minute in talk mode.
- In standby mode, the handset LOW BATT LED indicator will flash.
- Return the handset on the base cradle to charge.

PAGING FUNCTION
- Press the PAGE button on the base unit. The page tone will be heard on the handset. The handset IN-USE LED indicator will flash indicating the paging period. Page is also useful to help locate a misplaced handset.

IMPROVING CORDLESS RECEPTION

Follow these guidelines to improve cordless sound quality:
- Select an area to install the RS 43-3518 where it is closest to the center of your home or office. This will improve the operating range of the unit.
- Keep the RS 43-3518 base unit away from electrical equipment. Radio Frequency Interference (RFI) is sometimes generated by these appliances, which can cause degradation in cordless reception.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

MAXIMIZING BATTERY LIFE

Repeated use or recharge of Ni-Cd batteries without periodic full discharge results in reduced useable charge time. When you notice the usable charge duration decreasing, fully discharge the Ni-Cd battery and recharge as described:

DISCHARGING
1. Unplug the telephone line cord from the RS 43-3518.
2. Make sure that the adapter is connected.
3. Lift the handset out of the base cradle.
4. Press the TALK button of the handset (TALK LED indicator should light) and start discharging.

Once the LOW BATT LED indicator starts flashing, it means that the battery level is low. Let it fully discharge for 12 hours. Once the Ni-Cd battery is fully discharged, you may now charge the battery to its full capacity.

CHARGING
1. Make sure the adapter and telephone line cord are connected to the RS 43-3518.
2. Place the handset on the base cradle. The CHARGE LED indicator of the base unit will light steadily.
3. Leave the handset charging on the base for 14 hours continuously to get a maximum charge.
4. The RS 43-3518 is now ready for regular use. Discharge and charge the Ni-Cd battery again once you notice a decrease in the useable charge time.

⚠️ **ADAPTER: Use only with Class 2 Power Source 9VDC 300 mA.**

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