Wall Mounting

You may choose to install the MC 924 base unit onto a wall with a standard AT & T or GTE modular wall jack.

Wall Mounting (Standard Wall Jack)

1. Connect the short telephone line cord to the telephone line jack on the rear of the base unit. Insert the other end through the hole of the mounting bracket.
2. Insert the hooks of the wall mount bracket into the matching slots at the bottom of the base unit then slide them upwards until they lock into place. Plug the free end of the short telephone line cord into the modular wall jack.
3. Mount the base unit to the modular wall jack by hooking the studs of the wall plate into the keyhole slots of the wall mount bracket. Pull the base unit down until it is securely seated as shown in figure 5.

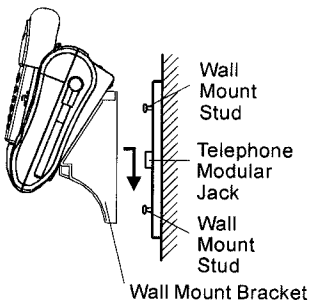


Figure 5

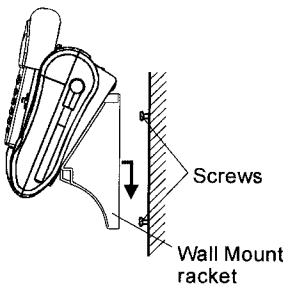
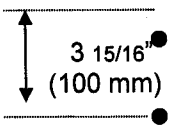


Figure 6

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.



2. Drive a screw into each of the holes.
   Tighten them to the end of the screw lines, only leaving the smooth part of the screw head outside the wall.
3. Insert the hooks of the wall mount bracket into the matching slots at the bottom of the base unit then slide them upwards until they lock into place.
4. Hang the base unit by hooking the screws into the keyhole slots of the wall mount bracket. Pull the base unit down until it is securely seated as shown in figure 6.

Handset Retainer Tab
If the base unit is to be placed in the wall mount position, the retainer tab allows the handset to hang onto the base unit.

POWER CONNECTION

CAUTION: Use only a Class II
AC Adaptor with a rating of AC 120V
input, DC 9V, 300 mA output with a center tip that is positive. The adaptor plug should correctly fit the base unit's DC 9V jack.

1. Plug the AC adaptor into a standard AC outlet.
2. Connect the small adaptor plug into the DC 9V jack on the rear of the base unit as shown in figure 7.

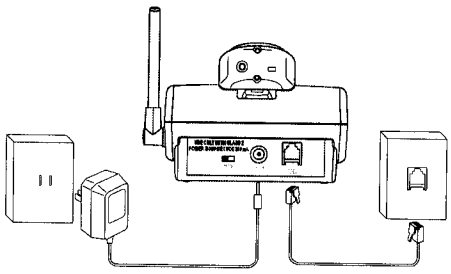


Figure 7

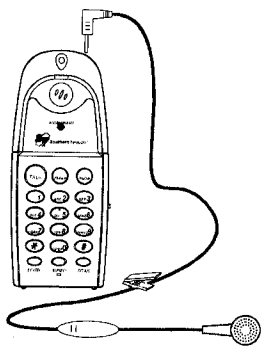


Figure 8

HEADSET CONNECTION

One of the special features of your phone is that your handset could utilize a headset for hands-free communication. Insert the small plug at the end of your headset cord to the headset jack top of the handset as in figure 8. Follow the procedures discussed in "Placing a Call" and "Receiving a Call" when to place and receive a call.

NOTE: The headset jack of your MC 924 is compatible with 2.5 mm headset plugs only. When you plug in the headset into the headset jack, it automatically mutes the microphone and speaker of the handset. Unplug the headset to return the handset to normal use.

TELEPHONE OPERATION

TONE / PULSE Dialing

- If your home is equipped with tone-dialing service, set the TONE/ PULSE switch to TONE position.
- If you have a pulse (rotary) dialing service, set the TONE/PULSE switch to PULSE position.

Mixed Mode (Temporary Tone) Dialing

If you only have pulse (rotary dialing) service in your area and want to access Tone dialing services, set the base unit's TONE/PULSE switch to the PULSE position. Dial the desired number and when tone signals are required press the Temporary Tone (□) button once. Subsequent digits will be dialed in tone mode. Dialing will be reset to Pulse mode when handset is returned on-hook.

Placing a Call

1. Pick up the handset and press the TALK button. The MC 924 will automatically scan for the best channel available, as indicated by the flashing IN USE/ BATT LOW LED indicator.
2. Once it finds a clear channel, the IN USE/BATT LOW LED indicator will light solid and a dial tone will be heard. You can then dial the desired phone number on the handset keypad.

Receiving a Call

If the handset is on the base:

- Since the MC 924 features "Auto Answer", simply pick up the handset from the base cradle. The unit will scan for a clear channel then you can talk to the calling party after it has found one.

If the handset is out of the base:

- Press the TALK button on the handset. The unit will scan for a clear channel.
- The IN USE/BATT LOW LED indicator will flash rapidly (to indicate that it is auto-scanning). After it has found a clear channel, the IN USE/BATT LOW LED indicator will light solid. You can then start conversation with the calling party.

Channel Selection (40 Channels)

Channel Scan (Auto-Scan)

- When you initiate or receive a call, the MC 924 auto-scans for the best channel available.

Channel Scan (Manual Scan)

- If the existing channel becomes noisy or starts having radio interference, press the SCAN button repeatedly until a clear channel is found.

NOTE: When there is excessive static and causes the handset to lose link with the base, return the handset to its cradle on the base unit to re-establish the security link.

Ending a Call

Upon completion of a call, you can hang up the MC 924 by returning the handset back to its cradle on the base unit (this feature is also called Auto-Standby), or by pressing the TALK button on the handset.

Last Number Redial

The last number redial feature may be used to dial the last number called (up to 32 digits).

1. Pick up the handset and press the TALK button.
2. Listen for a dial tone.
3. Press the REDIAL button. The MC 924 will automatically redial the last phone number you called.

Flash

Pressing the FLASH button (while the phone line is in use) momentarily hangs up the phone to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. For other Custom Calling features, refer to the instructions provided by your local phone company.

Pause Function

In some cases, such as PABX or long distance service, a pause may be needed in the dialing sequence. Pressing the PAUSE button inserts a 4-second delay between dialed numbers. Pauses may be programmed into the memory. Each 4-second pause occupies one digit of the available 16 digits per memory location.

Memory Dialing

You can store and recall up to 10 frequently called telephone numbers (up to 16 digits each) from the handset.

Storing Telephone Numbers into Memory

1. Ensure that the base unit IN-USE LED indicator is off and the handset is in standby mode (IN USE/BATT. LOW LED indicator is off).
2. Press the MEMO button on the handset.
3. Dial the phone number you want to store.
4. Press the MEMO button again.
5. Press a memory location where you want to store the phone number (from 0 to 9). You will hear one confirmation beep.
6. To store more phone numbers or modify existing numbers in memory, repeat steps 1-5.

NOTES:

- The maximum number of digits that can be stored for each phone number is 16 digits both in pulse and tone mode.
- Pause can be programmed into a memory dialing sequence. Each pause occupies one digit. If you are using a switchboard system to access an outside line, press the PAUSE button on the handset to store a pause.

Dialing a Number from Memory

1. Pick up the handset and press the TALK button. The handset IN USE/ BATT. LOW LED indicator flashes while auto scanning for the best channel available. A dial tone will be heard when the IN USE/BATT. LOW LED indicator lights solid.
2. Press the MEMO button.
3. Press the memory location (0-9) on the keypad for the number you have stored. The stored number will be dialed automatically.

NOTE: If you have difficulty storing or recalling numbers from memory, refer to the "Troubleshooting" chart of this user manual on page 24 and 25.

Changing Stored Phone Numbers

1. Follow the steps described in "Storing Telephone Numbers into Memory."
2. The new phone number will automatically replace the previous one.

PAGE Function
To alert the handset user or to locate the misplaced handset, press the PAGE button on the base unit. Each press of this button will activate the handset to sound 4 short beeps, provided that the handset is located within transmitting range.
NOTE: The base unit could page the handset regardless if the handset ringer is set either to ON or OFF.

RINGER ON/OFF SWITCH
You can set the handset to the following settings:
- **ON** - The handset rings when receiving incoming calls. For normal use, always set the switch to this position.
- **OFF** - Turns off the handset ringer. However, please note that you will not be able to receive calls in this mode.

NOTE: The handset will not ring when the RINGER ON/OFF switch is set to OFF.

Low Battery Warning
When the handset battery voltage level is low, the IN USE/BATT LOW LED indicator on the handset will start to blink and a beep sound will be heard every 12 seconds. Return the handset to its cradle on the base unit for charging.

65,536 Combination Security Coding
The MC 924 has a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. The MC 924 has 65,536 possible security code combinations. Each combination of the code is randomly generated every time the handset is picked up.

Resetting Security Code and Channel information
Communication between the handset and the base unit may not be possible in any of the following situations:
1. After a power failure.
2. After relocating the base unit by disconnecting the AC adaptor.
3. After replacing the handset battery.
4. The handset goes out of range from the base unit.

To reset, place the handset on the cradle of the base unit for five seconds.

Out of Range Detection
The MC 924 is equipped with an Out-of-Range detection system. If you have the handset too far away from the base unit during a call, the handset may lose its link with the base unit. When this happens, the handset emits a beeping sound every second to warn you that the background noise level is too high for proper communication between the handset and the base unit. When you hear this sound, you should move closer to the base unit to reduce the noise level. Otherwise, the call will automatically cut off.

OPERATING RANGE

The phone operates at the maximum radio frequency allowed by the Federal Communications Commission (FCC). Even so, the maximum operating range may be limited because of conditions like weather, construction of the building, and interference from other sources.

TECHNICAL INFORMATION

This cordless phone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the operation of your system.
Noise: Electric pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electrical equipment such as light dimmers, fluorescent bulbs, motors, and fans also generate noise pulses. Because radio frequencies are susceptible to these noise pulses, you may occasionally hear them in your handset. Generally they are a minor annoyance and should not be interpreted as a defect in your system.
Range: Because radio frequencies are used, location of the base unit can affect operating range. Try several locations in your home or business and pick the one that gives you the clearest signal.
Interference: Some electronic devices operate in and/or generate interference near the operating frequencies of your cordless telephone. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals cause interference. If interference occurs

frequently, it can be minimized or eliminated by lowering the height of your base antenna or by relocating the base unit. You can check for interference before selecting the final base unit location by plugging in the phone.

Improving Cordless Reception

Follow these guidelines to improve cordless sound quality:

- Select an area to install the MC 924 where it is closest to the center of your home or office. This will improve the operating range of the unit.
- Keep the MC 924 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 battery pack charged as much as possible. Weak handset battery pack can limit the range of cordless operation.

▲ MAINTENANCE

Your phone should be situated away from heat sources such as radiators, heaters, stoves or any other appliance that produces heat.

Cleaning the Unit

- Use a slightly damp cloth to clean the plastic cabinet. Never use polish, solvents, abrasives or strong detergents since these can damage the finish.

Charging

1. Make sure the AC adaptor and telephone line cord is connected to the MC924.
2. Place the handset on the base cradle. The IN USE/CHARGE LED indicator will steadily light up on the base unit.
3. Leave the handset charging on the base for 12 hours continuously to get a maximum charge. The MC 924 is now ready for regular use.

TROUBLESHOOTING

SYMPTOM	SOLUTION
No dial tone	• Check to see if the handset battery pack is connected inside the handset battery compartment. • Make sure that the adaptor plug is connected to the base unit. • Check for the telephone line cord connections. Ensure that both connectors are plugged securely on the jacks. • Ensure that no other telephone is sharing the same line as the MC 924 when off-hook. • Test the phone at a different telephone wall jack and listen for a dial tone. • Test a different phone in the wall jack and listen for a dial tone.
Will not ring	• Check the handset RINGER ON/OFF switch. For normal use, set to ON. The handset will not ring in OFF mode. • The phone or another phone connected to the same line may be in the off-hook (IN USE) position. • Try a different phone, if the problem still exists, the fault is not with the unit. • Look for the Ringer Equivalence Number (REN) number printed underneath your phone(s). Sum up the total REN numbers for all the phones or answering machines connected to your telephone line. Your phone(s) may not ring if the REN total exceeds five (5). Please call your local company to determine the maximum REN for your calling area.
Static	• The Ni-MH battery pack might be weak. Allow the Ni-MH battery pack to charge fully before using. • Try a different phone, if the problem still exists, the fault is not with the unit. • Some atmospheric conditions such as very low humidity can cause static build-up.

Cannot dial out	• Press the TALK button on the handset and listen for a dial tone before dialing out. • Are you in a rotary only area? Set the TONE/PULSE switch to PULSE. • Try a different phone in the jack. If the problem persists, the fault is not in the MC 924. • Is the phone connected to an answering machine? Disconnect the answering machine and try to have the phone plugged into the jack alone. If it works alone, there is a compatibility problem. Purchase a 2 for 1 adaptor at any phone or electrical supply store. Plug the 2 for 1 adaptor into the modular wall jack, and then plug the phone into one side and the answering machine on the other side of the adaptor.
Memory feature does not work	• Make sure that the unit is in the standby mode before storing a phone number. • The maximum number of digits that you can store for each memory location is 16 digits. See the "Memory Dialing" section for more details.
No link between the base and handset	• You may have taken the handset at a distance away from the base that is beyond its normal operating range. Refer to the section of "Operating Range" in the manual for more details.
SYMPTOM	**SOLUTION**
The unit locks up and becomes inoperable	• In the unlikely event that the unit locks up and becomes inoperable, you can reset the system by momentarily disconnecting and reconnecting the handset battery pack. Afterwards, return the handset to its cradle on the base unit to reset the security code before using the unit. • Should a power outage occur while the handset is away from the base unit, the handset must be returned to its cradle on the base unit to reset the security code when power is resumed.

AC ADAPTOR: USE ONLY WITH CLASS 2 POWER SOURCE, RATED OUTPUT 9VDC, 300mA.

THIS SYMBOL IS INTENDED TO ALERT THE USER OF THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.


Southern Telecom™