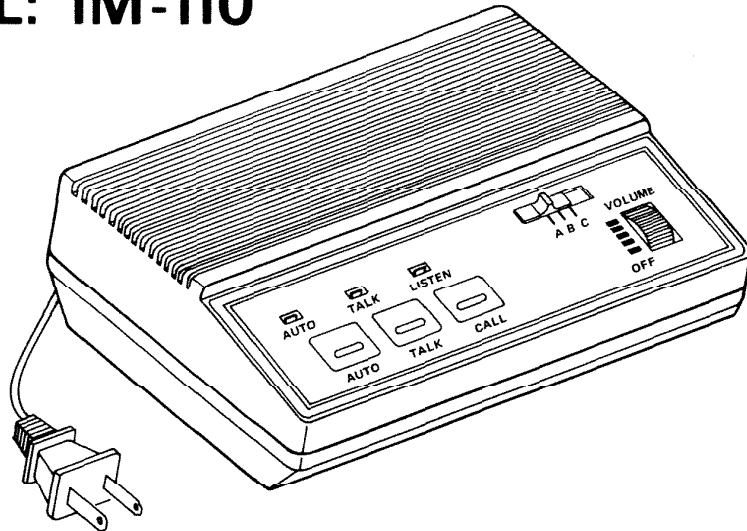


NuTone

OPERATING INSTRUCTIONS

Plug-In Intercom

MODEL: IM-110



Congratulations on your purchase of the NuTone Plug-In Intercom. This flexible and easily-operated intercom system requires no complicated wiring or installation – simply plug the unit's six-foot cord into any standard 120vAC outlet.

A minimum system consists of two units which you may locate anywhere there is a nearby electrical outlet. You can also expand your system by adding several more units – at least eight separate stations in any one installation. The three-channel unit makes many different system configurations possible and allows a maximum of three simultaneous private conversations. Three easy-touch function keys (TALK, CALL, AUTO-TALK) provide you with a variety of possible uses.

Briefly, this is how the system works: When you speak into intercom, your voice is transmitted as a frequency-modulated (FM) radio signal which is carried over the AC house wiring. Any other Plug-In Intercom unit that is set to the same channel receives this signal and broadcasts your voice through its speaker.

Now, spend a few minutes to learn the operation features of your new Plug-In Intercom.

INSTALLATION

Each unit is equipped with a six-foot, standard plug line cord. Choose a location close to a 120vAC power outlet and plug the cord into the outlet.

To avoid acoustical feedback, do not locate two units back-to-back on either side of the same wall.

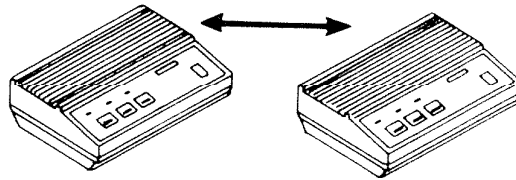
POSSIBLE SYSTEM CONFIGURATIONS

The Plug-In Intercom is a three-channel unit. Any unit can communicate with any other unit – as long as they are set to the same channel. For example, in a two unit system, both units would be set to Channel A.

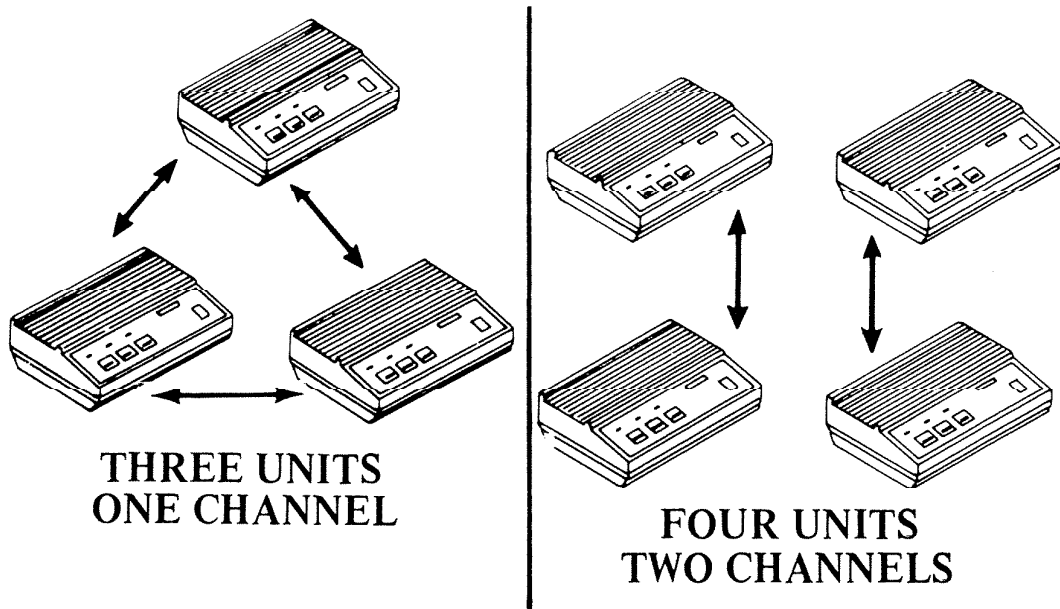
It is possible, with a four unit system to have two simultaneous, private conversations (two units set to Channel A; two units set to Channel B). In a six unit system, all three channels can be used to support three simultaneous, private conversations.

See OPERATION for setting of channel switch.

TYPICAL SYSTEMS

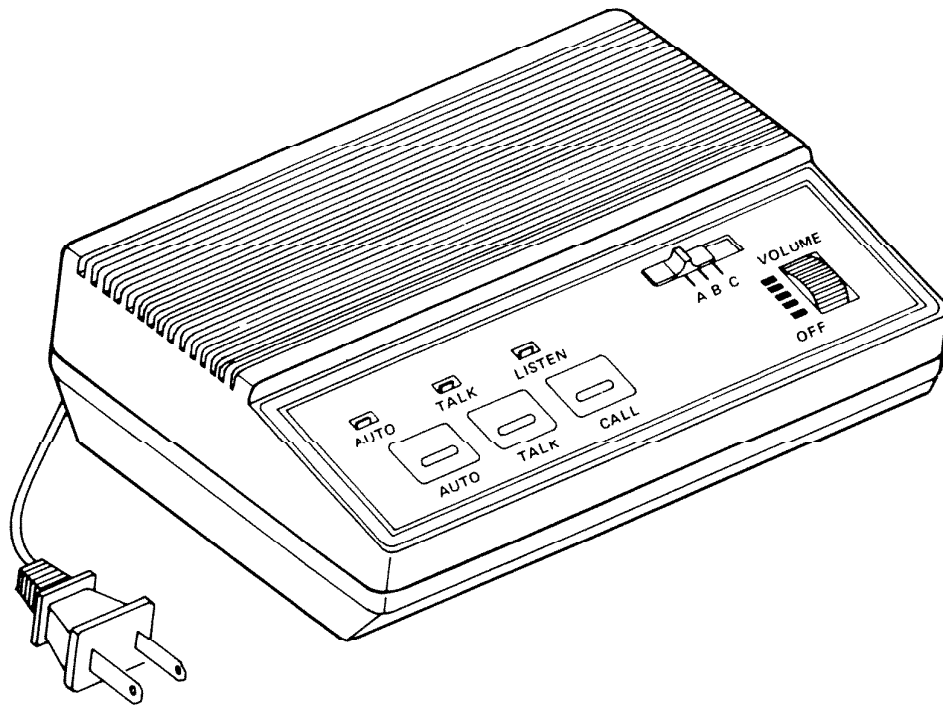


TWO UNITS – ONE CHANNEL



THREE UNITS
ONE CHANNEL

FOUR UNITS
TWO CHANNELS



OPERATION

On/Off – Volume Control

To turn on the unit, rotate the **VOLUME** wheel. The green **LISTEN** LED will light. To increase volume, rotate wheel upward. Set at half rotation for normal use.

Channel Selector Switch

Set the Channel Selector Switch to the same channel as the units with which you want to communicate. Slide the switch left or right to channel **A**, **B**, or **C**. To communicate with units set to different channels, change the switch position.

Call Key

Depress the **CALL** key to alert the station(s) you are calling. The receiving units will hear a beeping tone. The sending unit's red **TALK** light will flicker to show you the beeping signal is being transmitted.

Talk Key

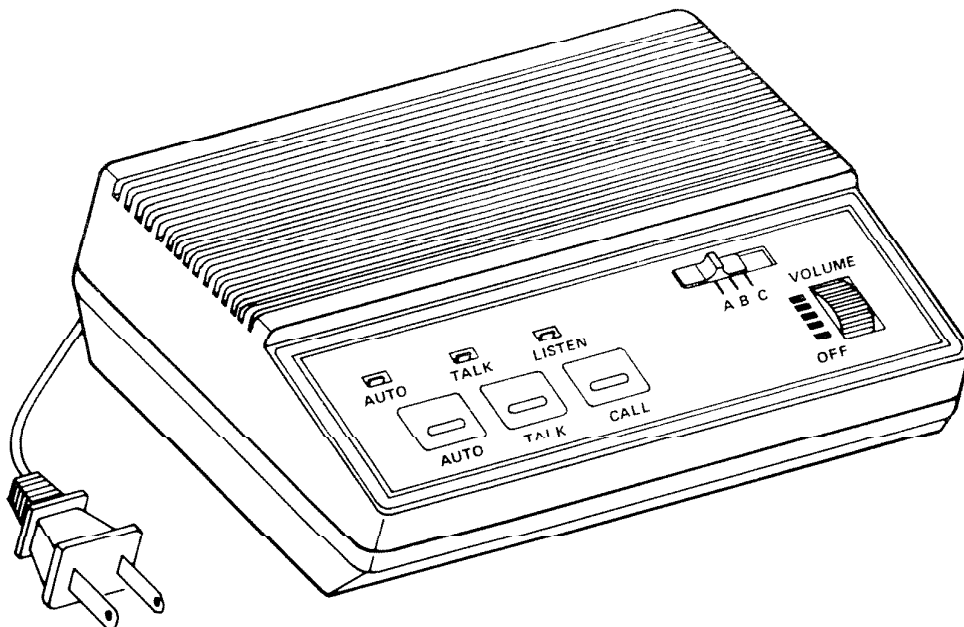
Depress the TALK key to talk to another unit. The red TALK LED will light. Release the TALK key to listen to the reply. The unit automatically switches to receive and the green LISTEN LED will light. It will be necessary for the answering party to depress their TALK key to reply.

Auto Key

The AUTO key is used to put the unit in the automatic voice-activated mode. This allows “hands-free” conversation.

Press the AUTO key. The red AUTO LED will light. Now, your voice will automatically be transmitted to other stations. While you are talking, the red TALK light will come on. When you stop talking, the unit will return to the receiving mode and the green LISTEN LED will light.

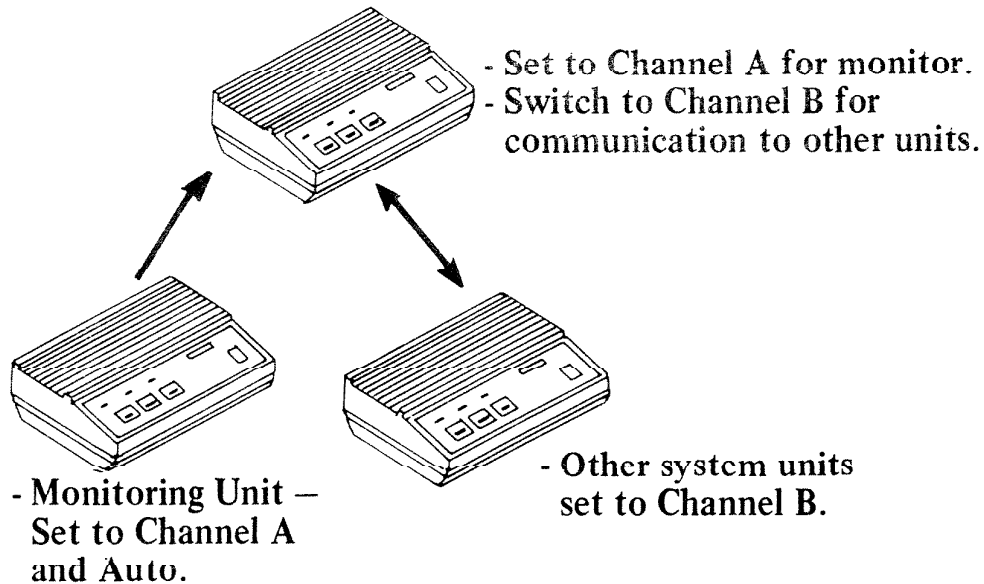
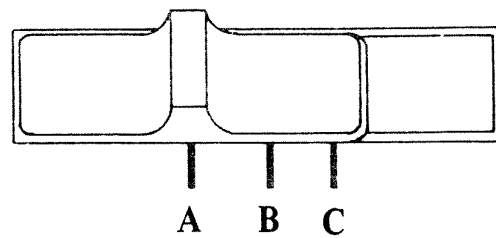
To use the AUTO function, it is not necessary to speak directly into the unit. From two feet away, a normal voice tone will activate the unit.



MONITORING FUNCTION

The three-channel unit allows for a convenient monitoring feature. You may use the Plug-In Intercom to monitor an infant's room or a sick person's room.

For example, you are working in the downstairs kitchen and your baby is asleep in an upstairs bedroom. Plug-in the intercom close to the baby's crib, turn on the unit, and press the AUTO key. In the kitchen, set your unit to the same channel as the one in the baby's room and turn the unit on. Now, when the baby awakes and cries, his voice will automatically activate the intercom and you will hear the baby's voice over your unit in the kitchen.



NOTE: When monitoring, it is not necessary to set the **RECEIVING** unit to **AUTO**. Just turning the unit on will allow you to listen without your voice being transmitted.

TROUBLESHOOTING

AC Line Noise: Although the Plug-In Intercom employs a noise filtering system (squelch control), you may occasionally encounter noise caused by other devices (air conditioners, fluorescent lights, appliance motors, dimmer switches, etc.) which run on the same circuit.

If you encounter this kind of interference, plug the intercom into an outlet which runs on a different household power circuit.

Distribution Transformers: Your intercom signals are blocked by distribution transformers. Usually, a residential home's power will come from a single transformer. In this case, no transmission problems will occur. However, if the Plug-In Intercoms are used in a setting with several transformers, communication between units on different circuits may not be possible. In this case, move the units to AC outlets which are closer together.

Radio Frequency Interference: The plug-in Intercom complies with FCC rules Part 15 which states that operation is subject to two conditions: (1) the use of this device is not permitted to cause interference to other communication services; (2) the user of this device must accept the possibility that interference from other communication services may cause undesired operation.

Simply stated, this means that the Plug-In Intercom may be susceptible to occasional radio-frequency interference.

This interference may be caused by televisions, radio broadcasting towers, CB radios, ham radios, etc. If this problem does occur, try to relocate the unit on a different AC outlet as far away from interference source as possible.