

MODEL 2015

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NuTone

U. S. Patent
DES. 184549

Intercom Radio Music System

IMPORTANT:

Leave this booklet hanging on front of NuTone InterCom-Radio. Contains owners warranty and other information necessary for proper operation of this system.

OPERATING MANUAL for

CAN YOU SPEND A FEW MINUTES ... FOR YEARS OF PLEASURE?

You now have a personal "home broadcasting" network at your fingertips . . . to spare you thousands of wasted steps . . . to save you hours of lost time . . . to guard against intruders . . . to fill your home with relaxing music . . . and keep your family "together" in so many ways.

How well it serves you — depends on how well you use it! Like learning to operate an auto or any TV set, you must learn how to operate this NuTone Radio Intercom System.

Although this precision instrument has been developed by a group of the nation's leading sound engineers — **YOU DO NOT HAVE TO BE AN ENGINEER TO OPERATE IT.** We have prepared the following pages in easy-to-understand . . . step-by-step . . . non-technical language.

Won't you spend a few minutes of your time "trying" your new set with the illustrated instructions which follow? We hope your new NuTone Intercom Radio Music System will bring you years of pleasure . . . and will prove to be a "sound" investment for your home.

Sincerely,



E. H. Bladh, President

NuTone, Inc.

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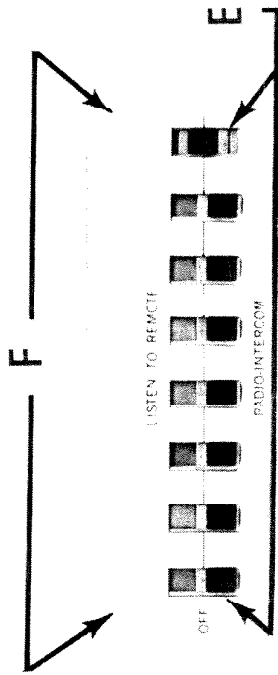
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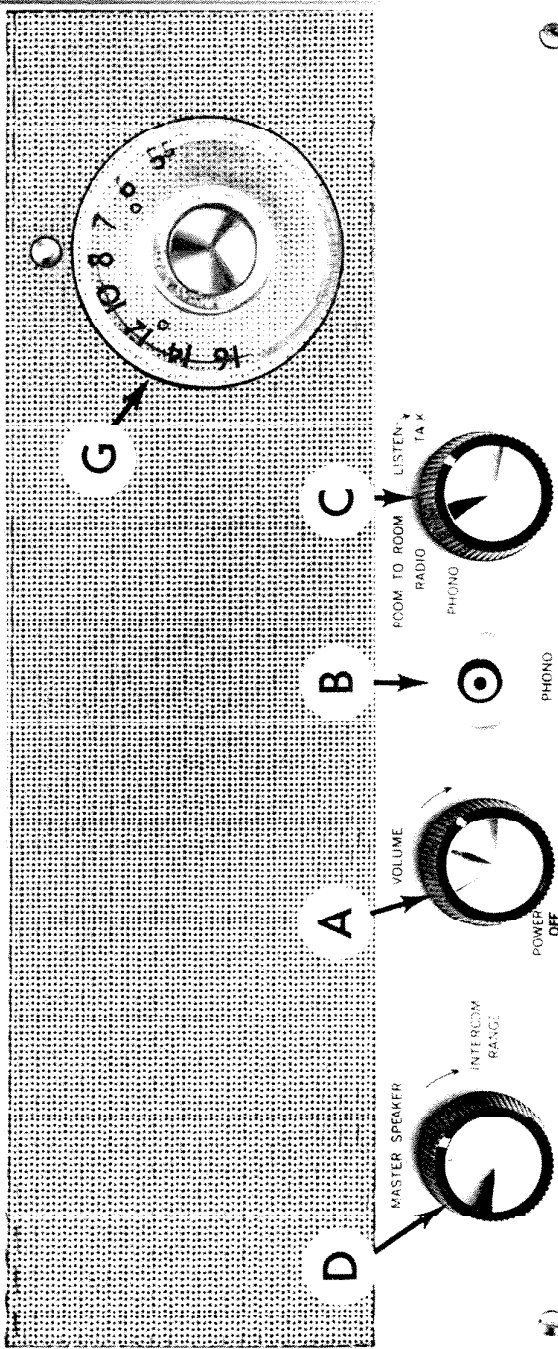
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DESCRIPTION OF CONTROLS ON MASTER PANEL

(White Spots on Knobs are position indicators)

A. POWER CONTROL KNOB AND SYSTEM VOLUME CONTROL

This knob turns the entire system off and on. It is the only control which can increase the volume level of the entire system.

B. PHONO-JACK

This receptacle is used to plug in the connection for your phonograph or tape recorder.

C. FUNCTION KNOB

This knob marked with five positions. It can be set for intercom, radio or recorded music.

D. MASTER SPEAKER VOLUME CONTROL

This can be used to reduce the volume level or turn off the speaker at the master station only. It does not affect the volume of the remote stations.

E. STATION SLIDE SWITCHES

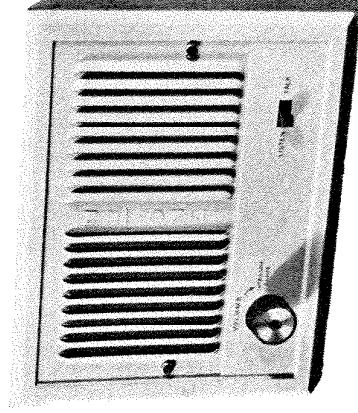
These eight switches individually control the remote stations.

F. ROOM IDENTIFICATION STRIP

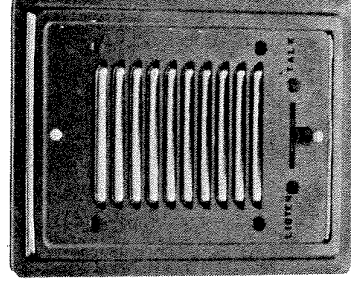
This strip provides space for writing the names of each room controlled by each station slide switch.

G. RADIO TUNING DIAL

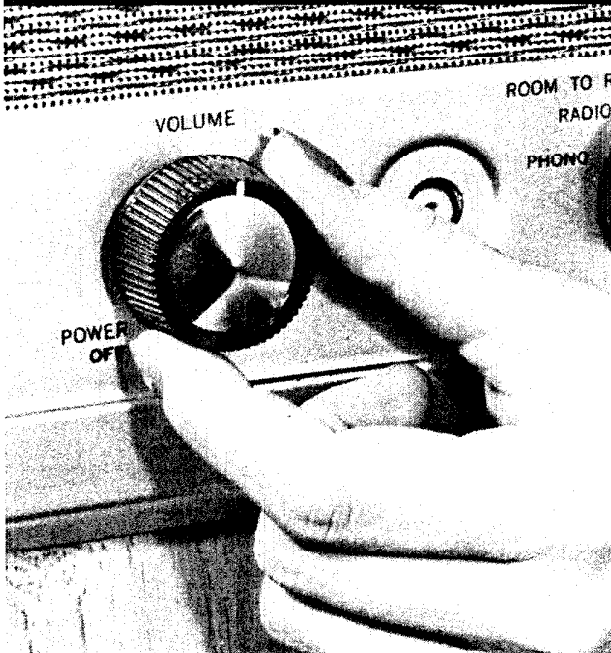
Helps you to select the proper station.



INSIDE REMOTE

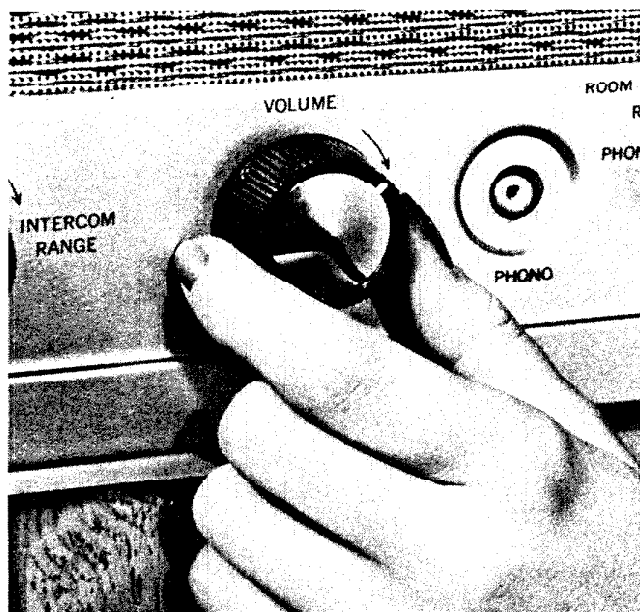
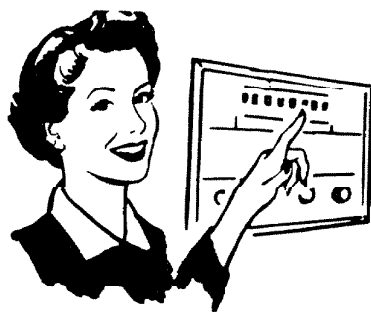


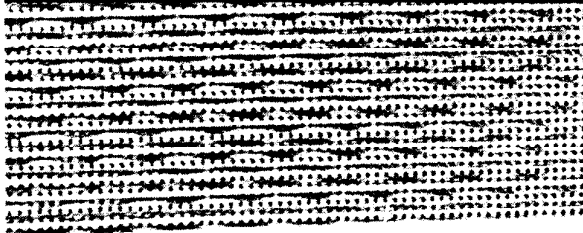
OUTSIDE REMOTE



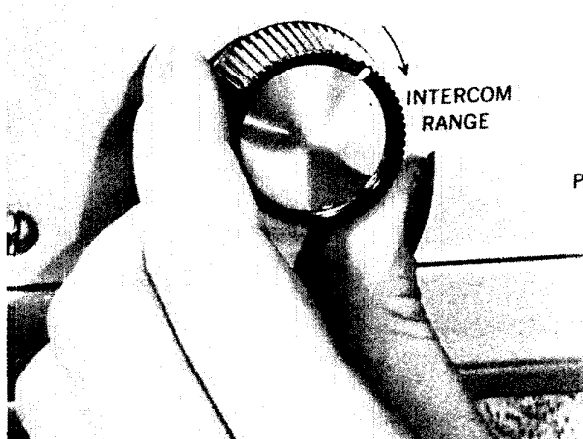
**TURN POWER
"ON and OFF"
with this Knob
to operate the
entire system.**

- 1.** Always remember . . . this POWER control knob at the MASTER Station must be turned "ON" to operate Intercom, Radio or Music. (The pilot light goes on when the power is turned on.)
- 2.** Set the VOLUME for the entire system with this same control knob. Turn it clockwise to make louder. (Use white spot as indicator.)





MASTER SPEAKER



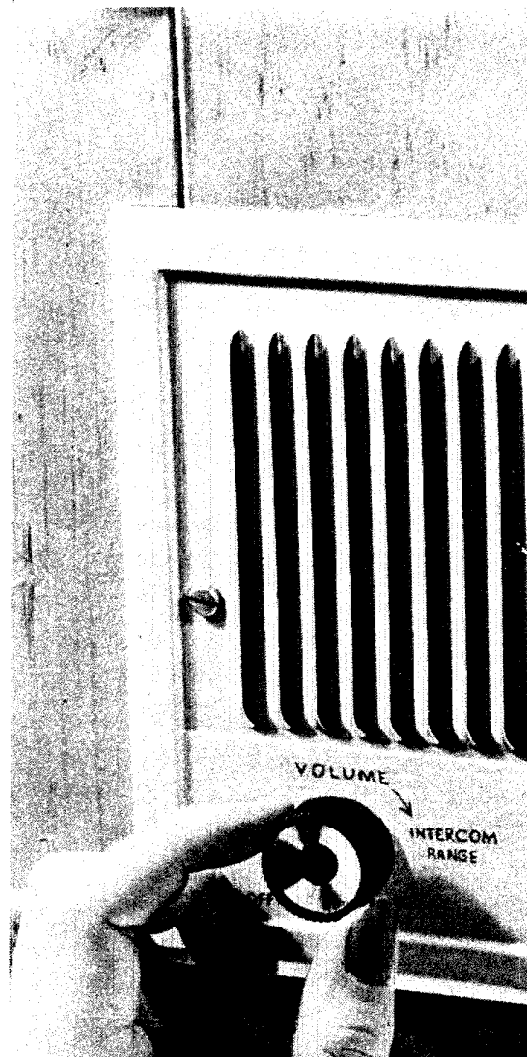
Each Station has its own individual **VOLUME CONTROL** and **PRIVACY CONTROL**

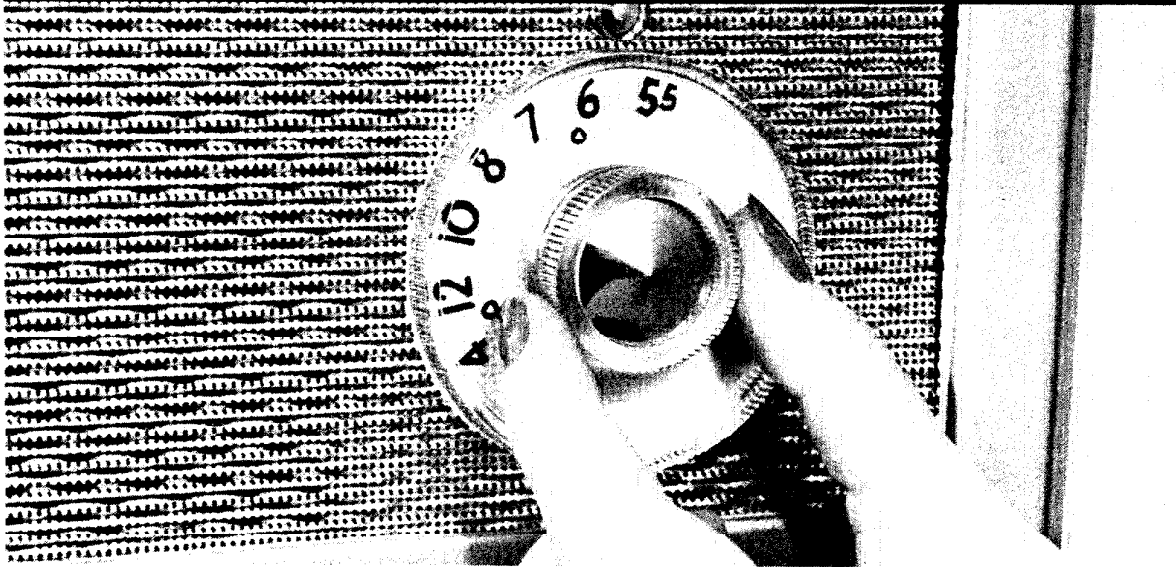
(The outside remote does
not have this control)

1. To control SPEAKER at MASTER STATION only — you can make volume softer (or completely off) — by turning the Master Speaker Knob counter-clockwise. (This does not affect the radio or music for speakers at any other location.)

2. To control SPEAKER at any INSIDE REMOTE — each room has its own individual control. Turn this VOLUME control knob counter-clockwise to make softer — or all the way OFF for complete PRIVACY. (This makes it impossible to “listen-in” to that particular room.)

NOTE: No “individual speaker control” can increase the volume greater than the level set by the POWER VOLUME control knob at the Master station for the entire system.





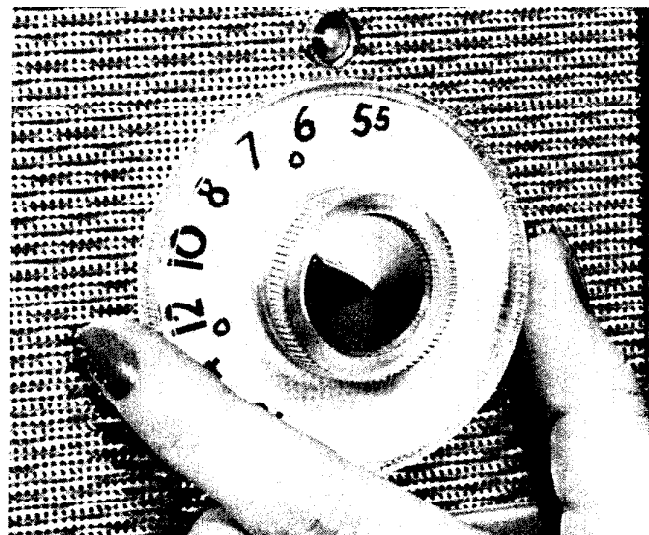
1. Be sure POWER knob is turned "ON" and volume is loud enough.

2. Turn the FUNCTION knob so that the white indicator spot points to "RADIO."

3. Select your station by turning TUNING Dial — holding the inside knob.

4. For fine adjustment of TUNING hold the dial on the larger outside rim.

5. Adjust loudest volume for entire system with VOLUME CONTROL KNOB at Master Station. Individual Speaker volume control can decrease the volume at each station.



RADIO

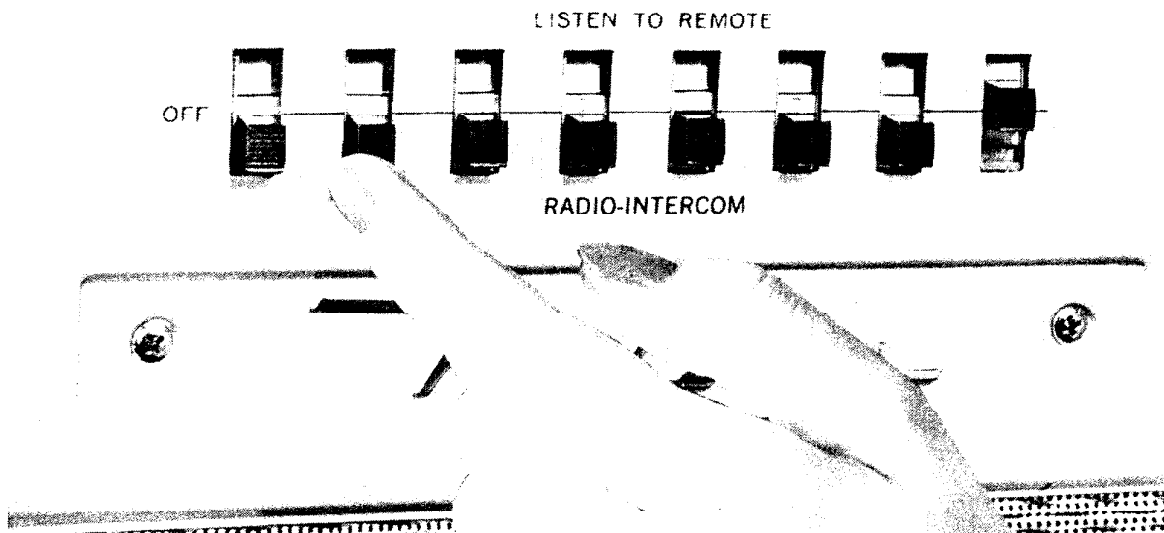
How to "Pipe" Radio Programs to Any Room.



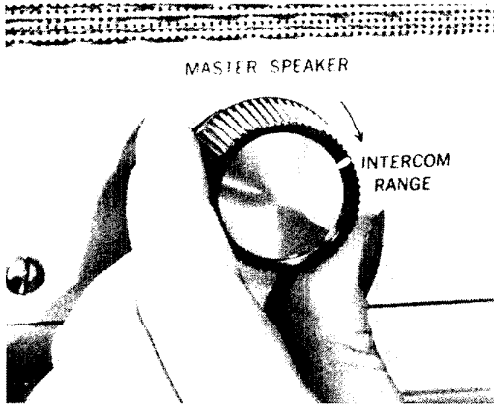
- 1.** Turn the FUNCTION Knob so that the white indicator spot points to "RADIO."
- 2.** Select station with TUNING Dial.
- 3.** Set the SELECTOR SLIDE SWITCHES for the rooms where you want radio. If you want RADIO on in any room push that SWITCH DOWN. If you want the radio turned off in any room push that switch to the middle or OFF position.

Remember — you still have FULL-TIME Intercom — even if the music is turned ON. Your voice will be heard above the music because the Intercom sound level is set automatically to a higher volume than the music.

NOTE: It is best to leave all slide switches DOWN until you are ready to change them.



How to carry on TWO WAY conversation from the Master to all other rooms



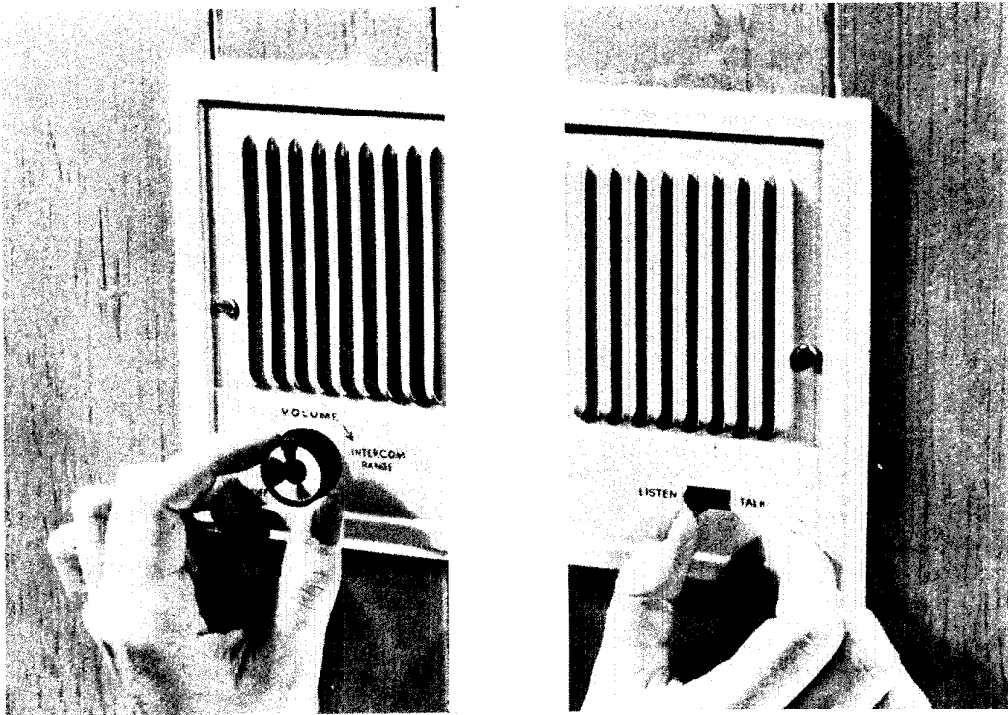
- 1.** Be sure POWER is turned on for entire system and volume is turned loud enough.
- 2.** Turn the MASTER SPEAKER knob to "INTERCOM RANGE."
- 3.** Push the SELECTOR SLIDE SWITCHES DOWN for any room you want to reach. Leave switches in middle or OFF position for rooms you do not want to receive message.
- 4.** To TALK . . . turn the FUNCTION Knob clockwise and HOLD the white spot on "TALK" position.
- 5.** To LISTEN . . . Release the FUNCTION Knob and it will spring back so the white spot will point to "LISTEN."
The person at the remote station can answer you from a distance without walking over to handle his own speaker controls.

NOTE: When through — do not leave the FUNCTION control knob on "LISTEN."
Turn the white spot to "RADIO" or "ROOM TO ROOM or PHONO"



INTERCOM

How to originate calls from any Inside Remote to the Master

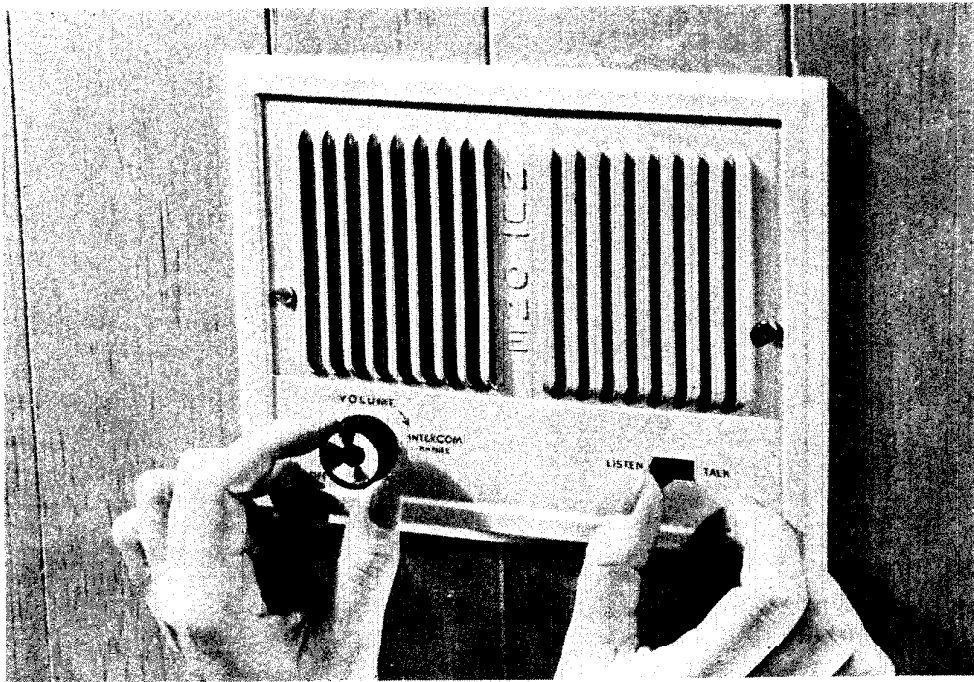


- 1.** You can call the master at any time so long as the entire system is "ON."
- 2.** The individual remote station VOLUME Knob should be turned clockwise to "INTERCOM RANGE."
- 3.** To TALK . . . push the horizontal switch to RIGHT and HOLD it on "TALK" position while speaking.
- 4.** To LISTEN . . . release the horizontal switch and it will spring back to LISTEN position so you can receive answer.

NOTE: You can call the Master even if the radio or music is turned on. Your voice will be heard above the music because the intercom sound level is set automatically to a higher volume than radio or music. This is a NuTone EXTRA FEATURE.

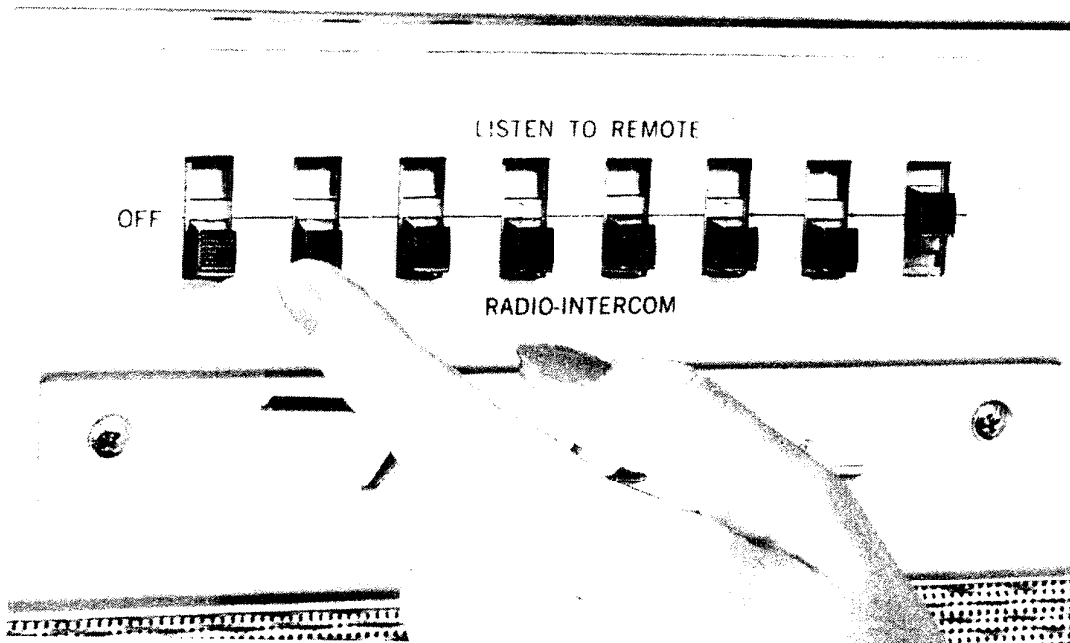
You can call the Master regardless of how the function switch or slide switches at the master have been set.

How to carry on two-way conversation between any remote stations



- 1.** Be sure the POWER is turned ON for entire system and Volume is loud enough.
- 2.** Be sure ALL SELECTOR SLIDE SWITCHES have been left in the normal DOWN position at the MASTER. (It is best to always leave outside door switch in OFF position until used.)
- 3.** To receive messages the individual remote stations' VOLUME knobs must be set at "INTERCOM RANGE."
- 4.** To TALK from remote—push the slide switch to RIGHT and HOLD it on "TALK" position while speaking. Release this switch when through to receive answer.
- 5.** The person in another part of the house can answer you by using the "TALK-LISTEN" switch on their speaker (as described above in Item 4).

How to "Listen In" on a child's room ● from Master ● from Remote



- 1.** You can "LISTEN IN" to any one or more rooms — from the Master — even while you are also listening to Radio or Music.
- 2.** Push the SLIDE SELECTOR SWITCH UP for any children's rooms or sick-room you want to HEAR. ("LISTEN-IN").
- 3.** You will NOT DISTURB the children's sleep. Even while you are able to hear every sound from their rooms — they cannot hear anything because their speakers are silent so long as the SLIDE SELECTOR SWITCHES for their rooms are UP at the Master panel.
- 4.** You can also "LISTEN IN" to children's rooms or sick-room, FROM ANY REMOTE station (your own bedroom, or living room, etc.) All you need do is be sure you leave the selector slide switches for your room DOWN in the normal position at the Master. — (Children's room SWITCH UP)

REMEMBER . . . the child's room switch is UP while your listening room_ is DOWN.

How to use the "Night Watchman" listening feature.



- 1.** For your security . . . you can set the speaker in your bedroom to hear all disturbing sounds inside and around the house.
- 2.** Be sure the POWER for entire system is ON with VOLUME turned high.
- 3.** TURN the FUNCTION SWITCH to the "ROOM TO ROOM" position.
- 4.** Set the SLIDE SELECTOR SWITCH for your bedroom in DOWN position at the master.
- 5.** Set all SELECTOR SLIDE SWITCHES for all other inside and outside remotes in UP position at Master.
- 6.** Turn VOLUME knob in your bedroom to full clockwise positions to be sure it is loud and clear.
- 7.** Room to Room position is a stand by position for intercom without radio.



How to answer the Front Door

How to have Radio on outside patio

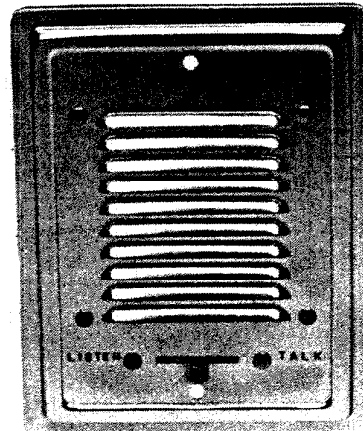
**SEE PHOTOS ON PAGE 12
TO ANSWER DOOR FROM MASTER . . .**

1. Push the SELECTOR SWITCH for the Front Door DOWN.
2. To TALK . . . turn the FUNCTION knob clockwise and HOLD the white spot on "TALK" position while you are speaking.
3. To LISTEN . . . RELEASE the Function knob and it will spring back to "LISTEN" position.

HOW TO ANSWER DOOR FROM REMOTE

NOTE: You can carry on a two-way conversation with the outside remote station from any of the inside remote speakers and master station.

1. Pre-set the front door slide switch on the master panel in the down position.
2. To talk — push your remote slide switch to the right and *hold* on *talk* position while you are speaking. Then Release.
3. The person at the door can reply by moving the talk-listen switch on outside remote speaker to the talk position.
4. The caller at the outside remote can listen without moving the switch off center. However, he can increase the speaker volume by pushing switch to listen position.



For Patio Use

Set the slide switch for the patio speaker on the master panel in the down position. This allows the speaker to receive both the radio and intercom calls. At the time the patio remote was being installed a jumper wire from the switch to the terminal board of the remote speaker should have been connected. *This connection allows full volume at the speaker when the talk-listen switch is in the center position.*

If you do not get full volume from your remote at this position, the following simple wiring change should be made.

1. Remove outside speaker and panel assembly from the wall box.
2. Remove the insulation from end of jumper wire provided at the center of switch mechanism.
3. Connect wire to terminal marked silver on speaker terminal board.
4. Replace speaker and panel assembly.

To call in from the patio to the master or inside remotes, push the talk-listen switch on panel to talk position. Hold on talk while speaking.

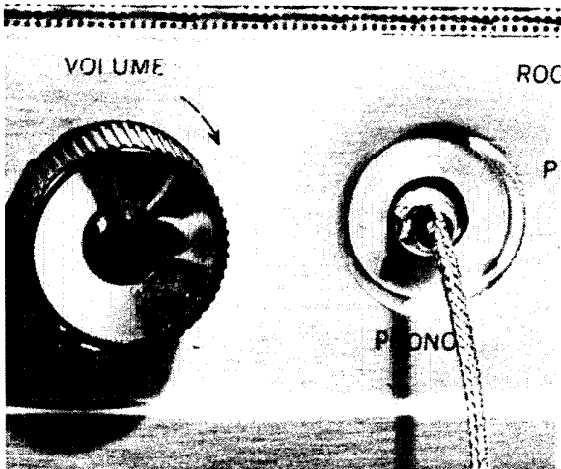
To listen allow the switch to return to the center position. There will be no need to push the switch to the listen position to get full volume reception.

EXPLANATION

Removing the jumper wire will reduce the volume on the remote speaker when the talk-listen switch is in the normal center position. Full volume can be obtained by pushing the switch to the listen position. (This is the same function as recommended for the front door)

RECORDED MUSIC

You can "Pipe" recorded music all through the entire house.



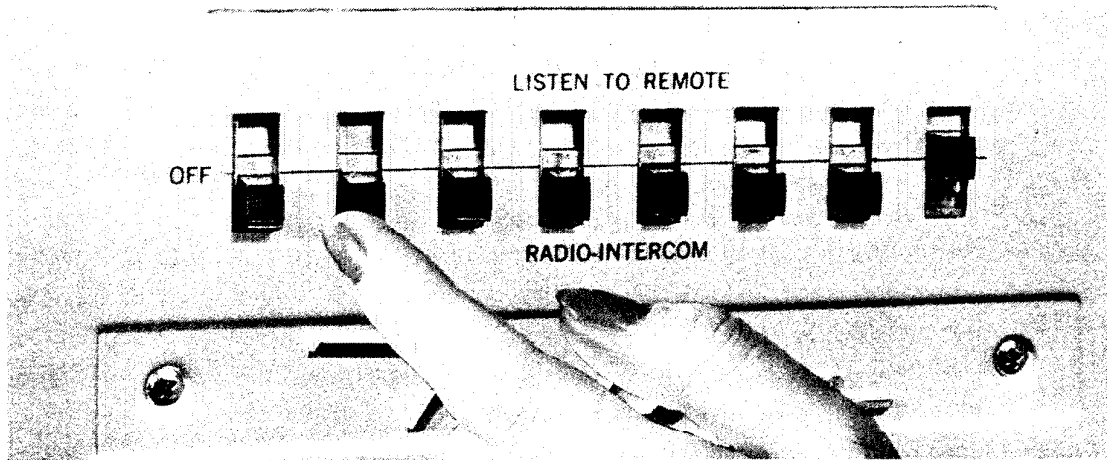
You can play records or tape recorder. Here's how:

1. Be sure the POWER is on for the entire system.
2. Plug the player into PHONO receptacle on Master.
3. Turn the FUNCTION Knob to "PHONO."

RECORDED MUSIC 15

4. Set the SELECTOR SWITCHES for the rooms where you want music. If you want recorded music in any room push that Switch *DOWN*. If you want silence in any other room push that switch in *OFF* position.

Remember — you still have *FULL-TIME Intercom* — even if the music is turned *ON*. Your voice will be heard above the music because the Intercom sound level is set automatically to a higher volume than the music.



ELECTRONIC CHIME

The electronic chime will be heard over all speakers whose slide switch, on the master panel, is in the down position. The Function Switch can be in the Phono, Radio or Room to Room position.

TO CONTROL VOLUME set master selector switch on radio AM or FM. Select a station with clear reception and ring the chime.

The chime tones should be heard clearly throughout the system while the radio is playing.

Adjust the volume control on the chime base plate for desired chime volume.

HELPFUL HINTS

- 1.** If you do not want radio, but wish to leave the intercom system functioning, set the function knob on "room to room". *Do not leave this knob on "listen" as this will prevent room to room communication.*

- 2.** Be sure to leave system volume control at a fairly high level. This sets the *maximum* volume anyone gets—at any station. If it should prove too high, the individual volume controls can be used to reduce it.
- 3.** If any speaker volume control (including master speaker) is left turned OFF or very low, incoming calls may not be heard.
- 4.** The tube life may be prolonged if the intercom-radio is never turned off, as turning on and off frequently can cause tube failure. It consumes so little electricity (pennies per day) that this will not be an expense — and it is the most efficient way to use the intercom-radio system.
- 5.** The master station selector slide switches are numbered by stampings in the metal. If you prefer to have each room slide switch labeled with the name of the room or person, we have provided a namestrip for this purpose. Type or write the names in the space provided, and then remove the protective backing. The paper strip will then adhere to the front plate in the groove provided, covering the numbers. Two of these strips are provided in case one gets soiled or lost, or room designations change.
- 6.** *You can paint the inside remote panel to match any interior. All labels are embossed in the metal and will still be legible, even though painted over.*
- 7.** *How To Clean.* If the surfaces of the master or outside remotes should become finger marked or dirty, they can be cleaned by using a mild detergent and water. The inside remotes can be cleaned with furniture polish.
- 8.** If a loud squealing should develop on intercom, this means the volume control is set too high. Just reduce the system volume level until the squealing stops.
- 9.** The NuTone Intercom has been designed to be easily serviced. When you remove the four cover screws, the whole unit will slide forward and tilt out, held by the ground strap. In this position it is easy to see inside in order to replace tubes, to check antenna and remote speaker connections.
- 10.** If FM reception is not satisfactory, an external FM antenna may help. We recommend you purchase a Telco antenna, #A-260 "Flying V" type, or its equivalent. This should be installed on the roof or in the attic and pointed in direction of the FM stations. If you are located in an area where the FM stations are in several widely separated directions, an omnidirectional type antenna may be required. To work properly this antenna must be the unfolded turnstile type.

CAUTION: Avoid center grounded (balanced) types of antenna.

GUARANTEE

**YOU MUST MAIL YOUR REGISTRATION CARD
TO MAKE THIS NUTONE GUARANTEE EFFECTIVE**

Material and workmanship in the NuTone Intercom Radio is of the highest quality. Also, this set has been tested under rigid quality control procedures before it was shipped.

During the guarantee we will replace or repair any defective parts — no charge, if the product is returned prepaid to an authorized service station.

This guarantee is void in cases of improper installation, abuse, misuse, or improper repair by an unauthorized person. Also, our liability does not include consequential damages.

NUTONE, INC.
MADISON AND RED BANK ROADS
CINCINNATI 27, OHIO

Hood-Fans

Exhaust Fans

Door Chimes

NuTone

**Electrical Built-Ins
For Homes**

Food Centers

Ceiling Heaters

Intercom Radio

Serial Number

**Madison and Red Bank Roads
Cincinnati 27, Ohio, U. S. A.**