

# Indoor/Outdoor Modular Intercom System

43-3101

OWNER'S MANUAL — Please read before using this equipment.

Your Indoor/Outdoor Modular Intercom System operates as a two-tone doorbell intercom and an indoor intercom. The doorbell is simple to install without wiring and you can add additional stations.

## PREPARATION

### Installing the Doorbell's Batteries

Your doorbell intercom uses four AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

**Caution:** Use only fresh batteries of the required size and recommended type. Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

1. Use a Phillips screwdriver to loosen the screws in the doorbell intercom's battery compartment cover, then lift the cover off.
2. Insert four AA batteries into the compartment as indicated by the polarity symbols (+ and -) marked inside.
3. Replace the cover and tighten the screws.

**Hint:** For convenience, set the channel (see "Setting the Channel") while you have the battery cover removed.

Replace the batteries when the battery level is low and the doorbell sends an alert tone to the indoor intercom. The POWER indicator on the indoor intercom flashes until you replace the batteries.

**Warning:** Dispose of old batteries promptly and properly. Do not burn or bury them.

**Caution:** If you do not plan to use the doorbell for two weeks or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

If the doorbell unit operates under severe cold weather, use a lithium type AA battery.

### Setting the Channel

The doorbell and indoor intercoms have three selectable operation channels to prevent interference from similar products nearby. Select the same channel for both the doorbell intercom and the indoor intercom.

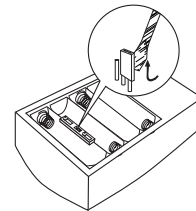
On the doorbell intercom, slide **CH** inside the battery compartment to **1** (49.835MHz), **2** (49.860MHz), or **3** (49.885MHz).

On the back of the indoor intercom, set **OUTDOOR CHANNEL** to the same channel number (1, 2 or 3) you chose for the doorbell intercom.

**Note:** If the doorbell occasionally sounds without anyone pressing **BELL** on the doorbell, change the channel settings.

### Changing the Doorbell's Tone

Use a small flat-blade screwdriver to carefully pull out the jumper **TONE** switch located in the battery compartment, then insert the jumper **TONE** switch into the other two pins.



## Setting the Doorbell's Volume

Slide **VOL** located inside the battery compartment to level 1, 2 or 3.

## Testing the Doorbell

Test the doorbell before permanently mounting it. With the indoor intercom plugged into a standard AC outlet, adjust **VOLUME** on the indoor intercom to its middle position. Press **BELL** on the doorbell intercom. The doorbell should sound.

## Mounting the Doorbell

1. Drill four  $\frac{3}{16}$  inch diameter holes into the mounting surface. Insert an anchor into each hole.
2. Align the supplied metal mounting bracket with the drilled holes and drive a screw (not supplied) through the bracket into each hole. Do not overtighten the screws.
3. Align the slot on the back of the doorbell with the hook on the mounting bracket. Carefully push the doorbell onto the hook and slide it down to secure it.
4. Once the doorbell is securely on the bracket, insert the pan-head machine screw (supplied) through the hole on the lower edge of the doorbell into the threaded holes in the bracket.

## Mounting the Indoor Intercom

Follow these steps to mount the indoor intercom on a wall.

**Note:** You need two screws (not supplied) with heads that fit into the keyhole slots on the bottom of the intercom.

1. Mark the mounting screw locations  $2\frac{1}{2}$  inches (64 mm) apart, one above the other.
2. Drill a starter hole at each mark.

3. Thread a screw into each hole until the screw's head extends about  $\frac{1}{8}$  inch (3.5mm) from the wall.
4. Align the keyhole slots on the bottom of the intercom with the screw heads in the wall, then slide the intercom down to secure it and lift and extend the antenna.

## Connecting the Indoor Intercom to AC Power

Locate a standard AC outlet in the area where you want to hear the chime and use the intercom. Plug the indoor intercom's power cord into the outlet.

**Caution:** This product is equipped with a three-wire grounding-type plug ( a plug having a third grounding pin). This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into your AC outlet, contact your electrician to replace your outlet. Do not defeat the safety purpose of the grounding-type plug.

**Important:** Be sure you install the stations at least 10 feet away from each other. Placing the stations too close together produces feedback (a squeal or howl from the speakers). The stations can transmit up to 300 feet, including between buildings, as long as they are connected to the same power line transformer.

## OPERATION

### Turning the Indoor Intercom On and Off and Adjusting the Volume

Rotate **VOLUME** counterclockwise until it clicks. The **POWER** indicator lights. Then adjust **VOLUME** to the desired listening level. To turn off the indoor intercom, rotate **VOLUME** clockwise until it clicks. The **POWER** indicator turns off.

## Using the Doorbell

Your visitor presses **BELL** on the doorbell to sound the doorbell.

Hold down **TALK TO DOOR** on the indoor intercom to reply to the caller. The **TALK TO DOOR** indicator lights. When you release **TALK TO DOOR**, the caller can reply by pressing **PRESS TO TALK** on the doorbell intercom.

### Notes:

- If there is no voice communication between the doorbell and the indoor intercom within about 10 seconds, the doorbell intercom may be disabled and should be initialized by pressing **BELL** again.
- You can also use other intercoms to reply to the doorbell as long as they are set on the same frequency.
- If the channel is occupied by other intercom users, the door chime cannot be sent to the intercoms in use. The conversation between intercoms will not be sent to the doorbell.

## USING MULTIPLE INTERCOMS

You can set up several indoor intercoms for station-to-station communication. Simply set **CHANNEL A/B/C** on the back of each intercom to the same frequency as other stations with which you want to communicate.

For example, you could set a station installed in the kitchen to channel **A**, a station installed in the family room to channel **B**, and a station installed in a bedroom to channel **C**. Using the station installed in the kitchen, you can communicate with the station in the family room by setting the channel selector to **B**, or with the station in the bedroom by setting the channel selector to **C**. If you set all stations to channel **A**, you can communicate with the other two stations from any station.

## Calling Another Intercom Station



Be sure the intercom stations you plan to use are turned on and adjusted to the desired volume. Press **CALL** to sound a tone alerting the person at the other station that you are about to speak. The **CALL** indicator lights.

Hold down **TALK** and speak in a normal voice. The **TALK** indicator lights. When you finish speaking, release **TALK** and listen for a response.

### Notes:

- Only one party can talk at a time. Wait until the other party finishes before answering.
- If your voice sounds distorted, you might be speaking too loudly or too close to the station's microphone.

**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.	
<b>CAUTION:</b> 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.

## CARE

Keep the system dry; if it gets wet, wipe it dry immediately. Use and store the system only in normal temperature environments. Handle the system carefully; do not drop it. Keep the system away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the system's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your system is not performing as it should, take it to your local RadioShack store for assistance.

## FCC STATEMENT

This device complies with part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful 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 a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

You must use shielded cables with this system to ensure compliance with the Class B FCC limits.

Your system is ETL listed to UL standards and meets all applicable FCC requirements.

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days 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 limitations on how long an implied warranty lasts or the exclusion or limitation 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.

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