



# Wireless 5.8 GHz Digital Audio Link

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

15-1974

## PACKAGE CONTENTS

- Transmitter
- Speaker wire (for transmitter only)
- Receiver
- AC adapter
- Adjustable stand
- Owner's Manual
- Warranty

**POWER/PUSH OFF** —  
Press to power the receiver  
on or off.

**Power LED** — Lights  
red when the  
receiver is powered  
on.

**Signal LED** — This green LED flashes when  
the receiver is searching for a signal from the  
transmitter. It glows steadily and brighter as  
the signal strength increases.

**STANDBY / ON/OFF** — Press to toggle  
between standby mode and power on.

**LED** — Lights red when the transmitter is  
in power on mode, and turns green when  
in standby mode.

**RECEIVER**

**VOLUME** — Turn to  
adjust sound level of the  
connected surround  
speakers. You may  
need to adjust your A/V  
receiver's volume for  
balance.

**TRANSMITTER**

This wireless transmitter and receiver system use the latest 5.8 GHz technology that travels through walls, floors, ceilings and other obstacles, delivering high quality sound for your home theater system's rear surround speakers. Using this wireless system, you will experience movie theater quality sound in your own home using your current home theater surround system. We have designed this system for use with your surround sound home theater system to enhance the quality of the sound and balance coming from your speakers. You can now eliminate running long speaker wires through your rooms, while enhancing the sound coming from those speakers.

This system is compatible with most audio sources such as televisions, VCRs, stereo receivers/amplifiers, CD players, and personal stereos. This unit allows you to listen to wired speakers in any room in the house when a two-channel source is connected to the transmitter. The audio link system also tracks the volume setting of your audio source, so that when you increase or decrease the volume on the audio source, the link's connected speakers respond accordingly.

Some of this system's other features include:

- 6 user-adjustable channels
- 2 diversity receiver antennas for optimal audio reception.
- Adjustable speaker and line level input control
- 256 option personal ID Code
- Ideal for Dolby 5.1 Digital, Pro Logic II, DTS, SCAD and DVD Audio Systems
- Provides digital transmission for superb audio clarity
- Immune to interference from microwave ovens and other popular 2.4GHz equipment
- Signal range of 30 feet

## How It Works

The transmitter converts the audio signal from your audio source into a 5.8GHz radio frequency and transmits it to the receiver. The receiver will pick up the best signal from one of its two antennas and convert the signal back to its original form. Using a powerful amplifier, the signal is passed to your connected rear surround speakers. The result is an enhanced sound quality resulting in a theater quality surround sound experience.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

## ! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚡ — Warning

! — Important

📝 — Note

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## IMPORTANT SAFETY INFORMATION

**FOR YOUR SAFETY, READ AND RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS. HEED ALL WARNINGS IN THIS MANUAL AND ON THE UNIT.**

### POWER SOURCE

To avoid any malfunctions of the unit, and to protect against electric shock, fire or personal injury, please observe the following

- This system has been designed to work with 120-volt AC current. Connection to a line voltage other than that may create a safety and fire hazard and may damage the system. If you are unsure of the type of power supply to your home, consult your local dealer or power company.
- Hold the plug firmly when connecting or disconnecting the power cord to the wall outlet.
- Do not run power cords under rugs or carpets or place heavy objects on them.
- Damaged or deformed power cords are hazardous and should be replaced immediately by a qualified service technician.

### LOCATION

- Air vents are provided in the cabinet to prevent excessive temperatures inside the unit. Do not place this unit in closed spaces, cover it, or otherwise block the vents.
- Do not place this unit in direct sunlight, or near heat sources.
- Keep this unit away from strong magnetic objects.
- Do not use the unit in a car. The operation can not be guaranteed.

### CARE

- Do not insert or drop anything into this unit through the air vents as this could cause serious damage, possibly resulting in fire.
- Do not place any object containing water or other liquids on this unit. In the event that liquid should enter the cabinet, unplug this unit immediately and contact the retailer or service center immediately.
- Do not remove the cabinet. Touching parts inside the cabinet could result in electric shock and damage to the unit.

### NONUSE PERIODS

- When the unit is not being used, turn the power off.
- When left unused for a long period of time, the unit should be unplugged from the household AC outlet.

### VOLUME CONTROL

- Do not turn up the volume while listening to a portion with very low level input or no audio signal. The speaker may be damaged when a peak level portion is played.

### CLEANING

- Unplug the unit before cleaning.
- When the system gets dirty, wipe it with a clean, soft cloth. If necessary, wipe it with a soft cloth, slightly dampened with mild soapy water, then a fresh cloth with clean water. Wipe dry immediately with a dry cloth.
- Never use benzene, aerosol cleaners, thinner, alcohol or any volatile cleaning agent.
- Do not use abrasive cleaners, as they may damage the finish.
- Avoid spraying insecticide near all components.

### SERVICE

- Do not open the cabinet of any components. There are no user-serviceable components in this product. Opening the cabinets may present a shock hazard, and any modification to this product will void your guarantee.
- Do not attempt to service the unit yourself. If water or any metal objects such as paper clips, wire or staples accidentally fall inside, disconnect the unit from the power source immediately, and consult an authorized service center.
- Please refer any service to the nearest RadioShack store.

**SAVE THESE INSTRUCTIONS**

## SET UP OVERVIEW

Your new Digital Audio Link Wireless 5.8GHz is easy to set up using your existing Home Theater or stereo components. This system is compatible with most audio source. Please take a few minutes to read this manual before you start.

1. Unpack the wireless system and accessories.
2. Select the best location to set up the transmitter and receiver.
3. Connect the transmitter to your audio source and power it on.
4. Connect the receiver to your rear surround speakers and power it on.
5. Adjust the antennas for best reception.
6. Set the input level on the transmitter for best sound level.
7. Adjust the receiver volume to the desired level.

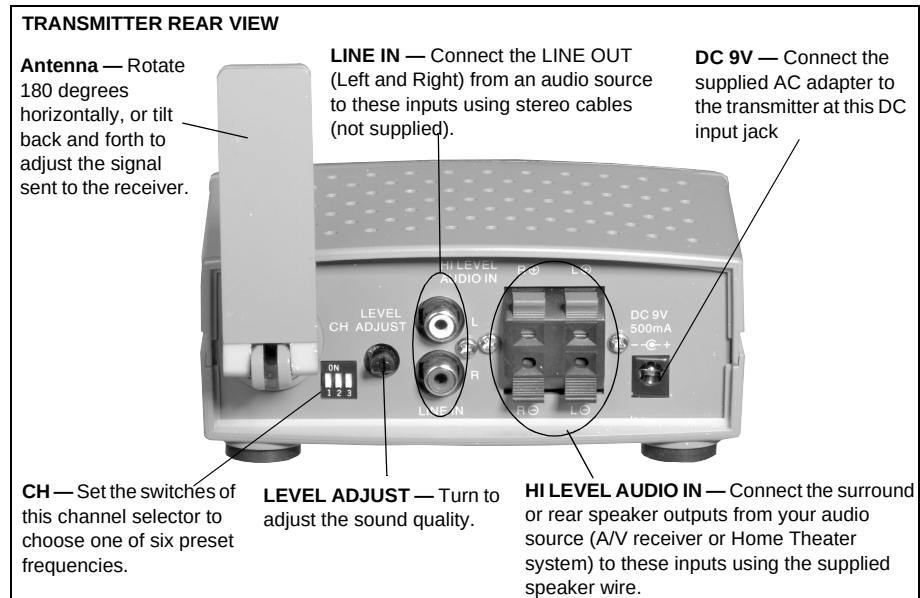
## PLACEMENT

It is best to place the transmitter and receiver as high as possible in an area where there will be the least traffic. ☑

We recommend you place the transmitter on top of your audio source or stereo stand. For use with a home theater system, hook the receiver up to the rear surround speakers.

## CONNECTING THE TRANSMITTER

Connect the transmitter to your audio device using speaker wires or stereo cables. Do not use both speaker wire and stereo cables. Do not connect speakers to this transmitter. ☑



1. Power off the audio source or A/V receiver before making any connections.  
If your audio source's output uses stereo jacks connect the Left / Right LINE OUT from the audio source to the Left / Right LINE IN on the transmitter with stereo cables (not supplied). Match Left to Left and Right to Right.  
  
If you use your A/V receiver or Home Theater as the audio source you can connect the surround (rear) speaker outputs to the transmitter's HI LEVEL AUDIO IN with the supplied speaker wire. Match polarity (+ / -) and Left / Right appropriately.
2. Connect the supplied AC adapter's barrel-shaped plug into the DC 9V jack, and then plug the transformer into a standard AC outlet.
3. Set the level adjust to the minimum.
4. Push **STANDBY / ON / OFF** to toggle between power on (the LED lights red) and standby (the LED lights green).

## ☑ NOTES ☑

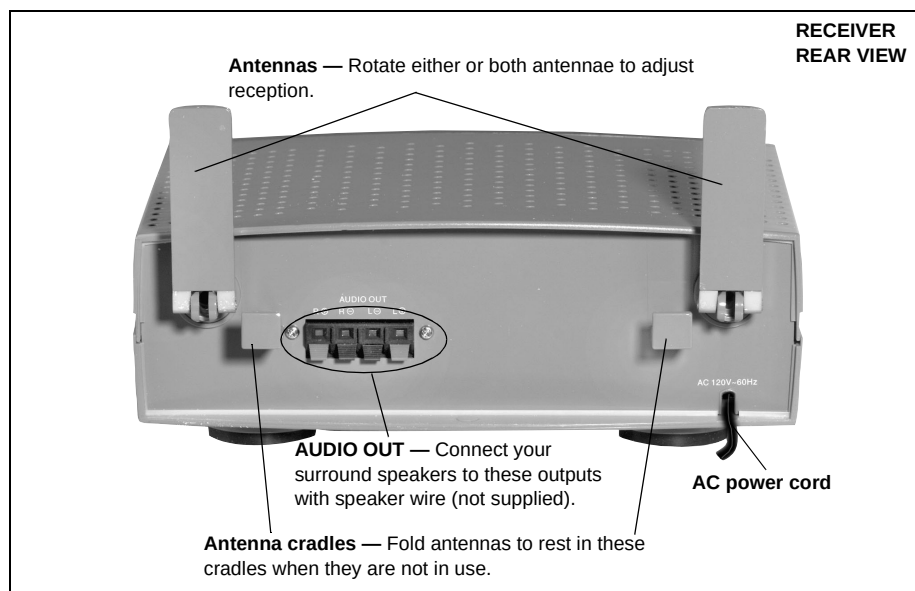
### Placement

- We have included a unique, adjustable stand designed to cradle either unit, both vertically and horizontally depending on what best adapts to your environment.
- You may find that reception is improved when the units are moved closer together, but not less than three feet apart.
- This system will not work properly from within an enclosed metal cabinet.

### Connecting the Transmitter

- Power off the audio source, A/V receiver or Home Theater before making any connections.
- This system is not compatible with 6.1 systems.

## CONNECTING THE RECEIVER



1. Connect your left and right rear surround speakers using speaker wire (not supplied).
2. Set the volume control to low.
3. Plug the AC power cord into the nearest wall outlet.
4. Make sure the transmitter is either in standby mode or powered on before turning the receiver on.

The red LED will be illuminated on both units. The green LED on the receiver will flash indicating it is searching for the transmitter signal and flicker until it finds a clear signal from the transmitter, at which time the receiver's LED glows solid green.

5. If you have a clear signal, adjust the volume control on the receiver so the audio level coming from your rear surround speakers is balanced with the rest of your system.
6. If there is noise or distortion of the sound, you will need to adjust the antenna and the transmitter input level.

## ADJUSTING THE ANTENNAS

The transmitter and receiver are provided with diversity antennas that fold up or down and rotate through a horizontal range of 180 degrees for flawless audio reception and maximum positioning options, enabling either or both the transmitter and receiver to be positioned vertically or horizontally. The receiver has two antennas to maximize reception.

- Make sure that the flat side of the antennas on both the transmitter and receiver are facing toward each other.
- The maximum transmission range (up to 30 feet) is achieved when there is a clear line of sight between the transmitter and receiver antennas.
- You may wish to position the antennas so they face the ceiling at a 45 degree angle, reflecting the transmitter signals to the receiver.

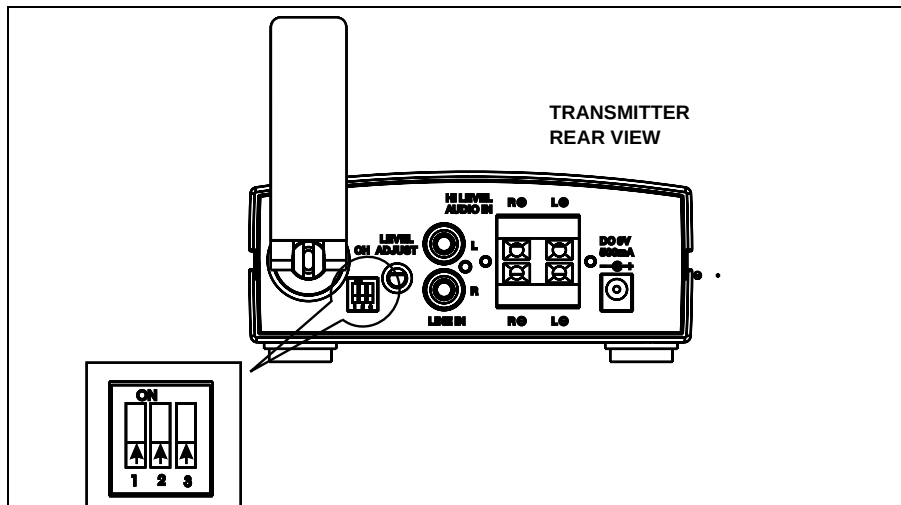
## SETTING THE INPUT LEVEL

The input level is located on the back panel of the transmitter which can be used to adjust either the line input or speaker input to the transmitter. The input level balances low level input signals between the audio source and the transmitter. If there is distortion from your surround speakers when you raise the main volume of your system, the input level should be adjusted down. If the input level is set too low, the surround speakers will not get enough power to raise the volume to a desired level.

1. Set the front speaker volume level to slightly higher than desired to establish a proper output signal level for your rear speaker output.

2. Set the transmitter input level to the minimum setting.
3. Set the receiver volume control to about three quarters the volume level.
4. Adjust the transmitter input level to obtain the highest sound quality without distortion.
5. Adjust the receiver volume control to balance the rear sound with the rest of the speakers.

## CHANGING THE CHANNEL FREQUENCY



To minimize interference from other 5.8GHz systems such as a 5.8 GHz cordless phone or a wireless LAN in your environment, this system allows the user to select one of six preset channels. If you should experience interference from another 5.8GHz system, select a different transmission channel. The channel selector is located on the back panel of the transmitter.

1. With both the receiver and transmitter plugged in and powered on, push the power button to put the transmitter in standby mode.
2. Use a pointed object such as a pen or straightened paper clip to set the channel selector on the transmitter to one of the six available channels.

| Channel # | Position 1 | Position 2 | Position 3 |
|-----------|------------|------------|------------|
| 1         | ON         | ON         | ON         |
| 2         | OFF        | ON         | ON         |
| 3         | ON         | OFF        | ON         |
| 4         | OFF        | OFF        | ON         |
| 5         | ON         | ON         | OFF        |
| 6         | OFF        | ON         | OFF        |

3. Press the power button again to set the transmitter so that the unit will reset when it powers back on.
4. The receiver will automatically search for the selected channel. The green LED on the front panel of the receiver will flash to indicate the receiver is searching for the transmitter signal.
5. Keep switching channels on the transmitter until the receiver has a clear signal and the green LED glows brightly.

## SETTING A PERSONAL ID CODE

If you should have another unit or system operating in your home, this feature has been added to ensure that the transmitted signal is only received by the receiver set to the same code as the transmitter. In order to receive audio signal only from your transmitter, you have the option of selecting from 256 possible combinations, to set a personal ID code for your wireless system. If you have two transmitters setup near each other, you may also need to change the channel frequency for better reception.

1. Make sure both the transmitter and the receiver are unplugged from the AC power source.

### NOTES

- Be sure to turn the transmitter power back on after you have changed each channel. The green led on the receiver will also flash when the transmitter is in standby mode.
- The receiver's green LED will vary from a very dim, flickering green when the signal quality is poor to a bright, steady green when the signal is strong.
- If the receiver fails to find any of the available six channels, try cycling the receiver's power off and on, and repeating steps 1 through 4.

## ! IMPORTANT ! FCC INFORMATION

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 your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your audio link.

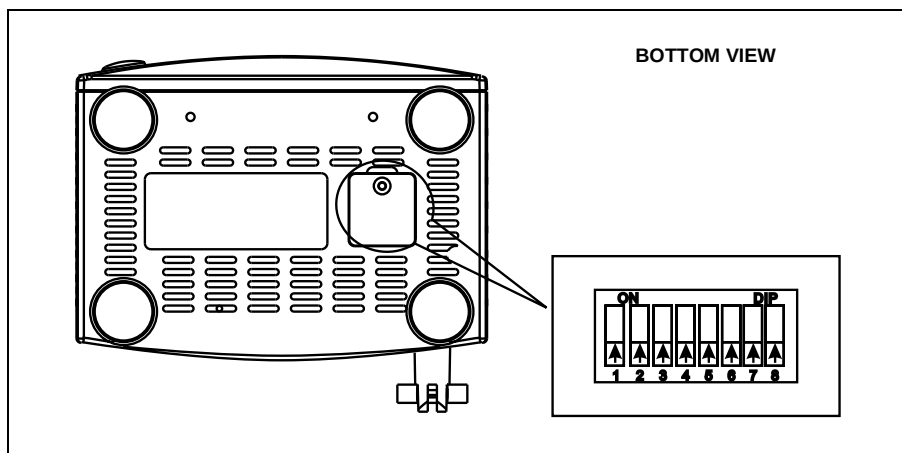
Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

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.

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Product:              | Wireless 5.8 GHz<br>Digital Audio Link                    |
| Model:                | 15-1974                                                   |
| Responsible<br>Party: | RadioShack<br>100 Throckmorton<br>Fort Worth, TX<br>76102 |
| Phone:                | 817-415-3200                                              |



2. Loosen the screw with a screw driver and remove the panel on the bottom of both the receiver and the transmitter units.



3. Use a pen or a pointed object such as a straightened paper clip to move the levers and change the code on the transmitter.
4. Use a pen or a pointed object such as a straightened paper clip to move the levers and set the same code on the receiver. Put the panel back on and tighten the screw before plugging the transmitter and receiver into the AC power source. Plug in and power on the transmitter, and then plug in and power on the receiver to make sure the system is working properly.

## CARE

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

## SERVICE AND REPAIR

If your transmitter or receiver is not performing as it should, take it to your local RadioShack store for assistance. To locate your nearest RadioShack, use the store locator feature on RadioShack's website ([www.radioshack.com](http://www.radioshack.com)), or call 1-800-The Shack (843-7422) and follow the menu options. Modifying or tampering with the transmitter or receiver's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

## TROUBLESHOOTING

| Symptom                                  | Suggestion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The system does not power on.            | <ul style="list-style-type: none"> <li>Make sure that the AC adapter is plugged into the transmitter and the wall outlet.</li> <li>Make sure that the transmitter power cord is plugged into the wall outlet.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| The system is not receiving a signal.    | <ul style="list-style-type: none"> <li>Make sure both units are powered on and that your audio source is turned on and operating.</li> <li>Make sure that your speakers are hooked up properly.</li> <li>Make sure the green LED on the receiver is illuminated. If it is not lit or it is flickering, adjust the antennas</li> <li>If you have set a personal ID Code for your system, make sure that both units are set to the same code.</li> </ul>                                                                                                                                                                                                                                                                                                |
| The audio is distorted.                  | <ul style="list-style-type: none"> <li>Make sure the audio going to the transmitter is not distorted.</li> <li>If your transmitter is hooked up to a Dolby Digital processor or receiver, try adjusting the input power level.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| The system has noise.                    | <ul style="list-style-type: none"> <li>Check that the antennas on the transmitter and receiver are in upright positions with a clear line of sight to each other.</li> <li>Move the transmitter and receiver closer together, but make sure they are placed not less than three feet apart.</li> <li>Cordless phones may cause some interference to the receiver. Position the receiver farther away from these devices or change the channel on the transmitter.</li> <li>Metal objects, such as some building structural supports, can cause interference. Try positioning antennas to face the ceiling. The signal will bounce off the ceiling avoiding direct contact with metal.</li> <li>Try switching to another frequency channel.</li> </ul> |
| No sound from the rear surround speakers | <ul style="list-style-type: none"> <li>Check the volume level on the receiver to make sure it is turned up enough to be in balance with the rest of your system.</li> <li>Make sure the transmitter is turned on and the red LED is lit. When the transmitter is in standby mode, the receiver is searching for a signal.</li> <li>Disconnect the audio link's transmitter and receiver from AC power for 30 seconds. Then reconnect.</li> </ul>                                                                                                                                                                                                                                                                                                      |
| No sound from one speaker                | <ul style="list-style-type: none"> <li>Make sure the speaker is connected to the receiver.</li> <li>Check the speaker balance on your audio source.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5GHz 802.11a WLAN interference           | <ul style="list-style-type: none"> <li>Set your 5 GHz WLAN band to 5.15- 5.35 GHz band range. Avoid using the 5.8 GHz band.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## SPECIFICATIONS

### TRANSMITTER

|                                |                                  |
|--------------------------------|----------------------------------|
| Range .....                    | 30 feet                          |
| Audio Input Level (Low) .....  | 1 V                              |
| Audio Input Level (High) ..... | 4 V                              |
| Audio Input Impedance .....    | 20Kohms                          |
| Operating Current .....        | 500mA                            |
| Antenna × 1, dimension .....   | 23mm (W) × 81mm (H) × 25mm (D)   |
| Main unit dimension .....      | 135mm (W) × 58mm (H) × 117mm (D) |

### RECEIVER

|                                   |                                  |
|-----------------------------------|----------------------------------|
| AC Power Supply .....             | 120V                             |
| Audio Output Level at 1K Hz ..... | 25W × 2                          |
| Antenna × 2, dimension .....      | 23mm (W) × 81mm (H) × 25mm (D)   |
| Main unit dimension .....         | 250mm (W) × 90mm (H) × 252mm (D) |
| Speaker impedance .....           | 6 ohms                           |

### 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.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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