



## indoor VHF/UHF/HDTV antenna with RF remote control

Thank you for purchasing the Indoor VHF/UHF/HDTV Antenna with RF remote control from RadioShack. Your antenna is perfect for improving TV reception. You can retrieve stored channel position with the RF remote control by simply recalling one of the channel memories. Your antenna will automatically move to the direction you programmed for best reception.



### what's included

indoor VHF/UHF/HDTV antenna  
remote control  
75 Ohm coaxial cable with gold plated connectors  
power adapter  
1 button-cell battery  
user's guide

### other features

**Microprocessor-Controlled Antenna Rotating Control** – Allows you to rotate the antenna in 12 distinct positions only in a few seconds, either clockwise or counterclockwise for best UHF reception.

**100 Channel Memories** - Allows you to select up to 100 channels (0-99) and the corresponding antenna position stored for that channel.

**Built-in Amplifier Gain Control** – Allows you to amplify weak signal.

### installing batteries

Your remote control is powered with a button-cell battery (included), to install the battery:

1. Press and push open the battery compartment cover.
2. Insert the CR2032 battery with positive polarity (+) facing up into the remote control then replace the cover.



battery  
compartment cover

### battery notes

- Keep button-cell away from small children. If swallowed, promptly see a doctor. Have the doctor call 202-625-3333 collect.
- Do not open the battery; or dispose of it in a fire; or recharge; or insert backwards. It may explode or leak, causing personal injury.
- Use only fresh batteries of the required size and recommended type.
- If you do not plan to use your remote control for a week or more, remove the batteries. Batteries can leak chemicals that can damage electronic parts.

### installing the antenna

Perfect for improving TV reception, this indoor antenna boosts the best received signals to your TV, so you can enjoy the best picture. You can also use this antenna to improve FM radio reception

#### installing your antenna

1. Place the antenna on or near your TV set.
2. Connect the antenna's TV output cable to your TV's or VCR's input terminal.



3. Connect a second video source, if available, to the AUX terminal using the 75 ohm coaxial cable/connector.
4. Connect the supplied AC adapter's barrel plug into the DC jack on the back of the indoor antenna, and connect the AC adapter's other end to a standard AC outlet.



DC 12V jack

AC-DC adaptor

### CAUTION

You must use an adapter that supplies 12V DC and delivers at least 350 mA. Its center tip must be set to positive and its plug must fit this indoor antenna's jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the indoor antenna or the plug.

### adjusting your antenna

**For VHF TV Channels 2-6 and FM radio:**

- Fully extend the telescopic antenna.

**For VHF TV Channels 7-13:**

- Retract the antenna to the appropriate length and move to an angle that produces the best reception



Antennas

### selecting another source

To select a second video source, such as cable TV, a video game, or satellite dish signal, slide "AUX/TV" switch to "AUX".



AUX/TV switch

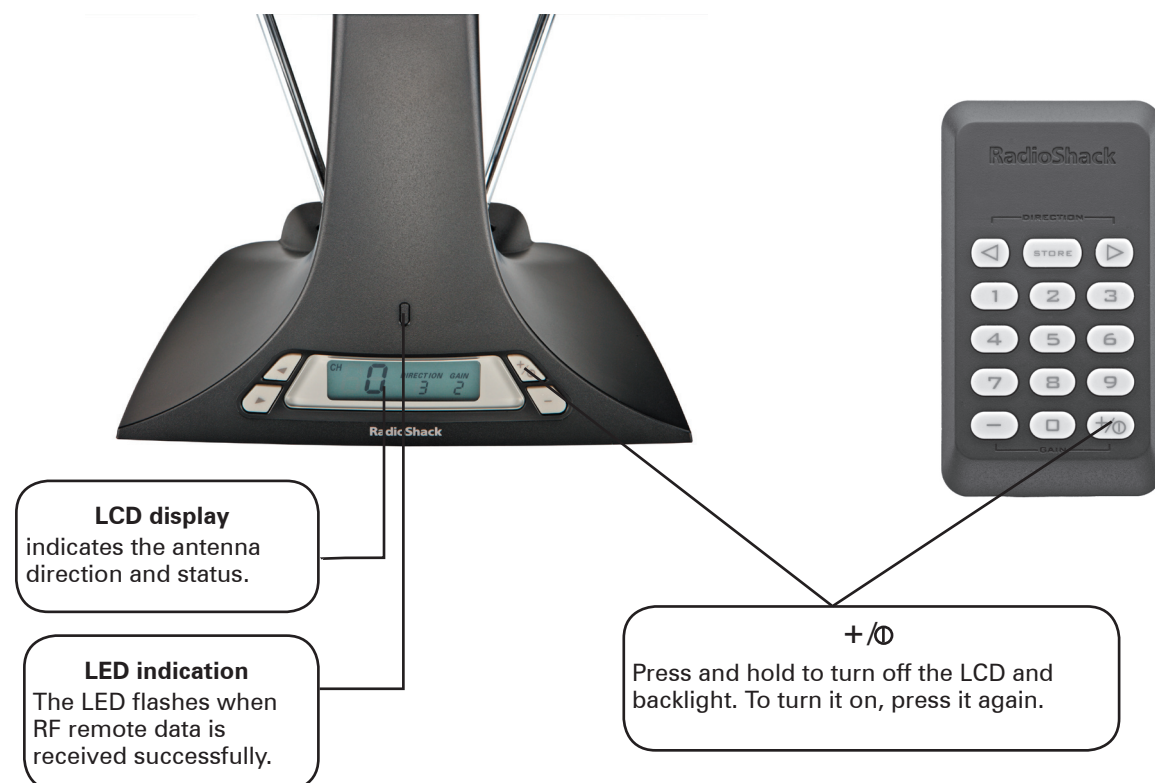
## adjusting your antenna

The antenna can store up to 100 antenna channels, keyed to channels 0 through 99. Follow these steps to preset a new antenna direction to a channel memory:

1. There are 12 antenna directions available (1 to 12). Position the antenna by pressing  $\pm$  or  $^2$  to obtain the best reception. When connected to a HDTV, adjust the antenna to where the signal strength display on the HDTV tuner indicates the best signal level.

**NOTE** *It takes several seconds for the HDTV tuner to stabilize and produce the best pictures.*

2. Press  $+/\Phi$  or  $-$  to select one of the three gain levels.  
There are three available gain levels you may select manually or with the remote:  
Set "GAIN" to "3" for weak or distant stations.  
Set "GAIN" to "2" for most stations.  
Set "GAIN" to "1" for strong or nearby stations, or when you are not using the antenna.
3. Press and hold **STORE** until **CH** indicators flashing.
4. Select a channel (same as your TV's channel) to store the antenna direction and gain level by pressing a number between 0 and 99 on the remote, e.g. Press **00** to select channel 0; **01** to select channel 1, etc.
5. Press **STORE** to save the antenna direction, the gain level and the channel number. Once the channel is saved, the indicators will stop flashing to indicate the end of preset mode.



- NOTES**
- If no key is pressed within 30 seconds after the indicators start flashing, the preset mode will end automatically.
  - Under normal operation, the motor gear-box will generate noise when the internal antenna element is moving to a new direction.

## recalling the stored antenna angle

You can recall the antenna direction and the gain level previously saved:

Press a channel number between 0 and 99. The antenna will rotate to the selected direction. If there is no previously- stored channel, the default setting is "Direction 5" and "Gain 3".

## restoring factory default setting

This will clear all the memory and restore to factory default setting:

1. Make sure the DC power adapter is unplugged.
2. Press and hold  $-$  on the antenna base.
3. Plug in the DC power adapter
4. Default **CH 0**, **Direction 5** and **Gain 3** should be shown.

## care and maintenance

Keep the antenna dry; if it gets wet, wipe it dry immediately. Use and store the antenna only in normal temperature environments. Handle the antenna carefully; do not drop it. Keep the antenna away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new. Modifying or tampering with the antenna's internal components can cause a malfunction and might invalidate its warranty. If your antenna is not performing as it should, take it to your local RadioShack store for assistance.

## specifications

|                                         |                           |
|-----------------------------------------|---------------------------|
| Frequency Range .....                   | VHF(54-214MHz)            |
| .....                                   | UHF (470-806MHz)          |
| Gain Control .....                      | 22dB Min for Level 3 gain |
| .....                                   | 18dB Min for Level 2 gain |
| .....                                   | 13dB Min for Level 1 gain |
| Power Supply .....                      | 12V @ 350mA               |
| AUX to TV Insertion Loss .....          | VHF/UHF 3.0dB Max         |
| AUX/TV Isolation .....                  | VHF/UHF 30dB Min          |
| Front to Back Ratio .....               | 8dB Min                   |
| Weight .....                            | 1.04kg                    |
| Base unit Dimensions (W x D x H) ..     | 320x 320x 206 mm          |
| Remote Control Dimensions (WxDxH) ..... | 48 x 86 x 10.7 mm         |

Specifications are typical and individual units may vary. Specifications are subject to change and improvement without notice. Actual product may vary from the images found in this document.

## the FCC wants you to know

**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.**

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 microphone system. 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.

## limited 90-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. For complete warranty details and exclusions, check with your local RadioShack store.

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