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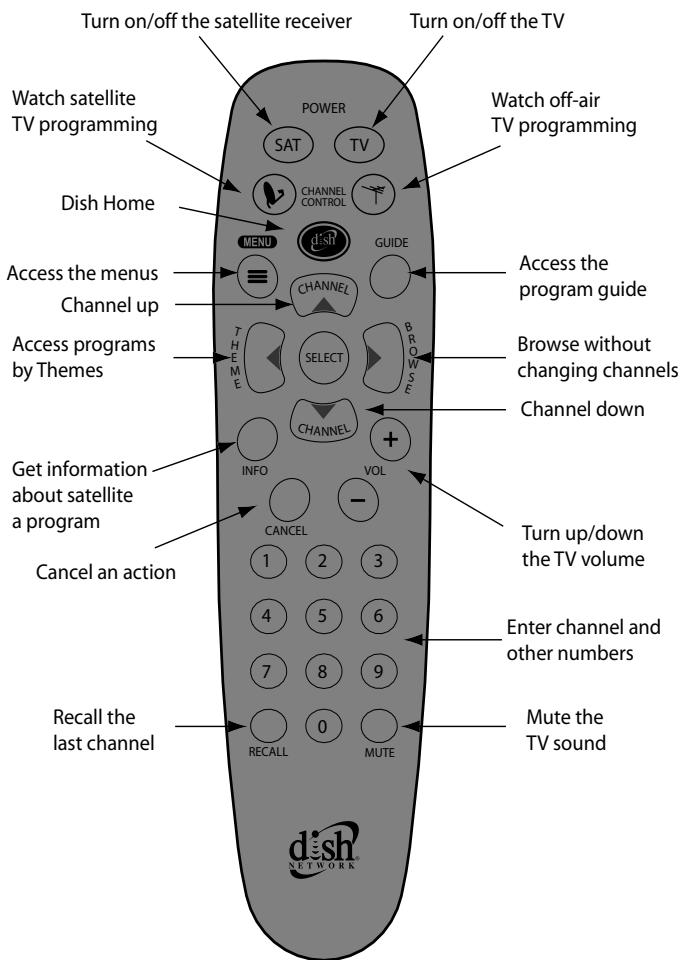


Figure 1. The EZ Remote

See *How to Use the Remote Control* for more details on each button.

ABOUT THE DISH NETWORK EZ REMOTE CONTROL

The DISH Network EZ Remote Control makes operating your DISH Network satellite receiver easy and convenient. This remote control includes large, easy-to-find buttons which are most commonly used to control the basic satellite receiver features you need. In addition, the DISH Network EZ Remote Control lets you switch between satellite receiver programming and programming from an off-air antenna with the press of one button.

BUTTONS AND FEATURES OVERVIEW

Figure 1 on page iv briefly describes each button on the DISH Network EZ Remote Control. Most of these buttons work the same way as the buttons on other DISH Network remote controls. See the *User's Guide* for your DISH Network satellite receiver for a description of how your satellite receiver works with these buttons.

There are some added buttons on this remote control to make operation with your TV easier. These buttons are:



SATELLITE CHANNEL CONTROL - Press to switch your TV to watch programming from your satellite receiver.



OFF-AIR CHANNEL CONTROL - Press to switch your TV to watch programming from your off-air antenna.



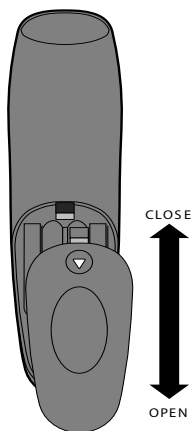
TV POWER- Press to turn your TV on or off.

To use these added buttons and other features to control your TV, follow the step-by-step instructions below to set up your remote control. This setup also requires you to connect your satellite receiver to your TV's tuner using coaxial cable. After completing your setup, see *How to Use the Remote Control* on page 23 for more details on each button.


INSTALLING BATTERIES

Before you can use the remote control, you must install four AAA batteries. Use batteries of the same grade, for example, alkaline or carbon zinc, and do not mix different grades. Alkaline batteries provide longer battery life.

1. Press down on the arrow on the battery cover and slide off the cover.
2. Insert the new batteries, making sure that the ends marked “+” are installed as shown inside the battery compartment.
3. Replace the battery cover by sliding the cover back into place.




RECEIVER UPGRADE


Turn on your TV the way you normally would to watch satellite TV programming. Using your DISH Network EZ Remote Control, press  and then try using this remote control to operate some basic satellite receiver features like MENU or GUIDE. If the remote control does not work, your satellite receiver may need to get an upgrade from the satellite. To receive this upgrade, turn off your satellite receiver for 20 minutes. After completing the upgrade, try using the remote control again to make sure it works.

Note: Check the inside front cover of this guide to see if the remote control is compatible with your satellite receiver.

Note: If you are installing the satellite receiver for the first time, you must use the remote control that came with your receiver to guide the receiver through the installation procedures, which includes getting the upgrade from the satellite.


SETTING UP TO SWITCH THE TV TO WATCH SATELLITE PROGRAMMING


The following instructions show you how to set up your system and DISH Network EZ Remote Control so that when you press  the TV gives you satellite programming every time.

The first thing you will do is make the right connections between the TV and satellite receiver. After that, you will set up your remote control to work with your TV and then set up .


CONNECTING YOUR SATELLITE RECEIVER AND TV

1. Connect a coaxial cable between the **TV Set Out** on the satellite receiver and the tuner input on the TV (see Figure 2).

Note: If you connect your TV a different way (for example, using yellow, red, and white audio/video RCA-type or S-Video cables), the feature to switch your TV to satellite programming using  will not work.

2. Set  on the back of the receiver to **CH3**.

Note: If you prefer Channel 4, instructions are provided later to change this setting.

Note: If your satellite receiver does not have a , see your satellite receiver's *User's Guide* for how to set **TV Set Out** on the satellite receiver to Channel 3.

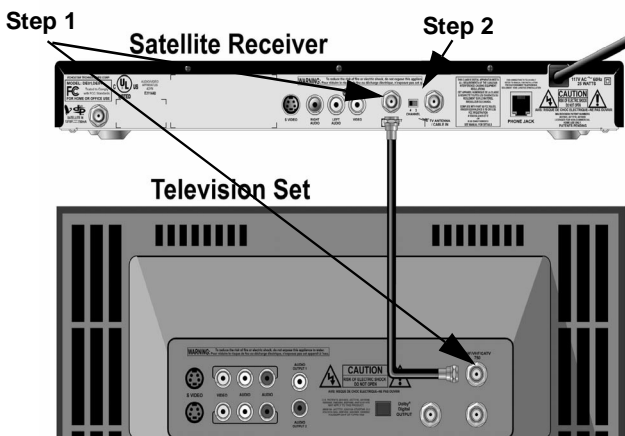



















Figure 2. Connect the Satellite Receiver and TV


SETTING UP THE REMOTE TO CONTROL YOUR TV

1. Find the brand name of your TV in the TV code tables starting on page 30. You will be referring to this location for codes in the instructions below.
2. Turn on your TV.
3. Press and hold  until both   lights turn on (it takes about five seconds).
4. Release .  light will flash.
5. Press . Notice  light turns on and stays on.
6. Enter one of the three-digit codes for your TV from the TV code tables while  light is on.
Note: You have about 20 seconds to begin entering the TV code.
7. Press the MUTE button and watch  light. If  light flashes three times, the code is valid and you can go to step 8. If  light does not flash at all, the code may not have been entered correctly. So, start over from step 3 and try the code again.
8. Press  and your TV should shut off. If your TV shuts off, go to step 9. If not, pick another code for your TV brand from the TV Codes table and go back to step 3. If you have tried all of the codes and none work, go to *How to Scan for TV and VCR Codes* on page 19.
9. Turn your TV back on by pressing  again and try the other buttons below to make sure they work.
 - Press the 0 through 9 buttons to change channels on your TV.

- Press  and  to change channels on your TV.
- Press  to change the TV volume.


If these buttons work, go on to the next section to set up . If not, pick another code for your TV brand from the TV Codes table and go back to step 3.


SETTING UP ON YOUR REMOTE CONTROL









1. Make sure your TV and satellite receiver are connected and your remote control is set up to control your TV using the instructions in the last two sections.
2. Turn on your TV and tune to a channel *other than 3* (for example, 4 or 5).
3. Press  and your satellite receiver should turn on and your TV should tune to Channel 3.
4. Press the MENU button. If you see the satellite receiver **Menu** screen, go to step 5. If not, go to step 15.
5. If you want to keep your satellite programming on TV Channel 3, check the box below and go to step 28.

3

6. If you prefer to have your satellite programming on TV Channel 4, go on to step 7.

7. Set the  switch on the back of the satellite receiver to **CH4**. The TV will lose the picture from the satellite receiver, but this is OK.

Note: If your satellite receiver does not have a  switch, see your satellite receiver's *User's Guide* for how to set **TV Set Out** on the satellite receiver to channel 4.






8. Press and hold  until both   lights turn on (it takes about five seconds).
9. Release .  light will flash.
10. Enter 0-4. _____
11. Press MUTE while watching  light.
12.  light will flash three times.
If the light does not flash at all, repeat this procedure starting with step 8.
13. Press  while watching your TV. If your TV tunes to Channel 4, go to step 14. If not, go to step 7.
14. Press the MENU button. If you see the satellite receiver **Menu** screen, check the box below and go to step 28.







15. Answer the questions in Table 1. The information you provide is what you will use to teach your remote control to change the channel on your TV correctly.


Table 1: How I Change My TV Channels

<p>Column 1: How do you change your TV to Channel 3 using the number buttons?</p>	<p>Column 2: Circle the number sequence you use to change your TV to Channel 3</p>
<p><i>"I just press the number buttons on my remote to change the channel."</i></p> <p>If you only press 3 on your remote control to change the TV to Channel 3, circle the "3" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">3</p>
<p><i>"I have to enter a zero before the channel numbers."</i></p> <p>If you press 0, 3 on your remote control to change the TV to Channel 3, circle the "0, 3" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">0, 3</p>
<p><i>"I have to press Enter after I press the channel numbers."</i></p> <p>If you press 0, 3, Enter on your remote control to change the TV to Channel 3, circle the "0, 3, SELECT" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">0, 3, Select</p>
<p><i>"I enter a special number sequence not found above."</i></p> <p>In the space to the right, enter your special number sequence you use to change your TV to Channel 3 (max. four entries) Then circle this sequence you wrote and go to step 16.</p>	<p style="text-align: center;">_____</p>



16. Write the number(s) you circled into the blank in step 19.
17. Press and hold  until both   lights turn on (it takes about five seconds).
18. Release .  light will flash.
19. Press _____

(Fill in this blank with the *exact* sequence you circled in Table 1)

20. Press the MUTE button while watching  light.
21. If the  light flashes three times, go to step 22. If  light does not flash at all, go back to step 17.
22. Press . If your TV tunes to Channel 3, go to step 23. If not, go back to step 15.
23. If you want to keep your satellite programming on TV Channel 3, check the box below and go to step 28.
- 3**
24. If you prefer to have your satellite programming on TV Channel 4, check the box below and go to step 25.
- 4**
25. In the blank below, write down the numbers you circled in Table 1, except replace “3” with “4.”
- _____

26. Cross out “0-4” on step 10 (page 7) and in the blank next to the crossed-out text write what you wrote in step 25.
27. Repeat steps 7 through 14 on page 7, including the changes you made to step 10.
28. You have completed setting up the  button and TV control features of the remote control.

SETTING UP TO SWITCH THE TV TO A PREFERRED OFF-AIR CHANNEL

If you watch local programming from an off-air antenna, follow these instructions to set up  to switch your TV to your preferred off-air channel. You will need to connect your off-air antenna to your satellite receiver and then set up your remote control. Before you can do these instructions you must first complete *Setting Up  to Switch TV to Watch Satellite Programming* on page 3.

CONNECTING AN OFF-AIR ANTENNA TO YOUR SATELLITE RECEIVER

1. Connect a coaxial cable between your off-air antenna and the **TV Antenna/Cable In** on the satellite receiver (see Figure 3).

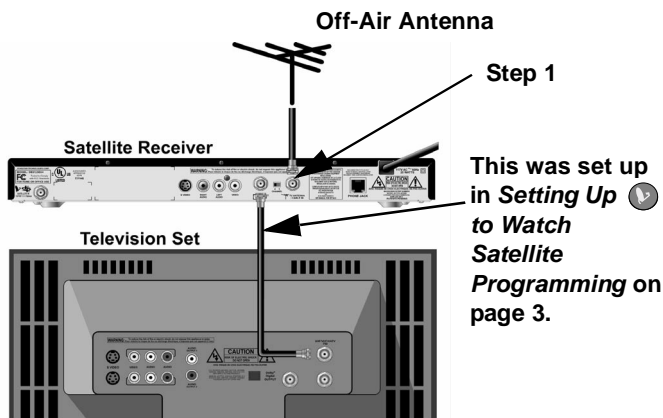




Figure 3. Off-Air Antenna Connections




SETTING UP ON THE REMOTE CONTROL







1. In the blank below, write down your preferred off-air channel that you want your TV to tune to when you press .

2. If step 19 on page 9 is blank and was not used to set up , go to step 8. Otherwise, go to step 3.
3. In the blank below, write down the number sequence from step 19 on page 9.


4. **If the number you wrote in step 1 is a 2-digit number:**
In the blank below, write the number sequence from step 3, except replace “3” or “0-3” with your 2-digit number from step 1 (for example, if you wrote “0-3-SELECT” in step 3 and your preferred channel is Channel 25, write “2-5-SELECT”).


5. **If the number you wrote in step 1 is a 1-digit number:**
In the blank below, write the number sequence from step 3, except replace “3” with your 1-digit number from step 1 (for example, if you wrote “0-3-SELECT” in step 3 and your preferred channel is Channel 7, write “0-7-SELECT”).


6. Write the number sequence you wrote in either step 4 or step 5 into the blank in step 11 on page 12.
7. Go to step 9.
8. In the blank provided in step 11, write the number recorded in step 1. If that number has one digit, write “0” before the number.
9. Press and hold  until both   lights turn on (it takes about five seconds).

10. Release .  light flashes.
11. Press _____.
12. Press the MUTE button while watching the  light.
13. If the  light flashes three times, go to step 14. If  does not flash at all, go back to step 9.
14. Press  to make sure your TV tunes to the off-air TV channel you wanted.

SETTING UP TO PASS SATELLITE PROGRAMMING THROUGH YOUR VCR TO YOUR TV


If you want to install a VCR between your satellite receiver and your TV, follow these instructions to set up your system and your remote control to switch your system to watch satellite programming through your VCR when you press .

Note: The remote control setup for the VCR is only to allow the  to pass satellite programming through your VCR. This remote control does not provide any buttons to control standard VCR functions.

The first thing you will do is make the right connections between your satellite receiver, VCR, and TV. After that, you will set up your remote control. Before you can do these instructions, you must first complete *Setting Up  to Switch the TV to Watch Satellite Programming* on page 3.


CONNECTING YOUR SATELLITE RECEIVER, VCR, AND TV


1. Connect a coaxial cable between the **TV Set Out** on the satellite receiver and the tuner input to the VCR (see Figure 4).

Note: If you connect your VCR a different way (for example, using yellow, red, and white audio/video RCA-type or S-Video cables), the feature to switch your VCR to pass satellite programming using  will not work.

2. Look at the boxes you checked on page 6, 9, and 11. If you checked a box next to “3,” write “3” in the blank below. If you checked a box next to “4,” write “4” in the blank below.

Channel _____

3. Make sure that the  switches on the back of both your satellite receiver and your VCR are set to the channel you wrote down in step 2.

Note: If your satellite receiver does not have a  switch, see your satellite receiver’s *User’s Guide* for how to set **TV Set Out** on the satellite receiver to the channel you wrote in step 2.

4. Connect a coaxial cable between the coaxial TV output connection on the VCR and the tuner input to the TV.

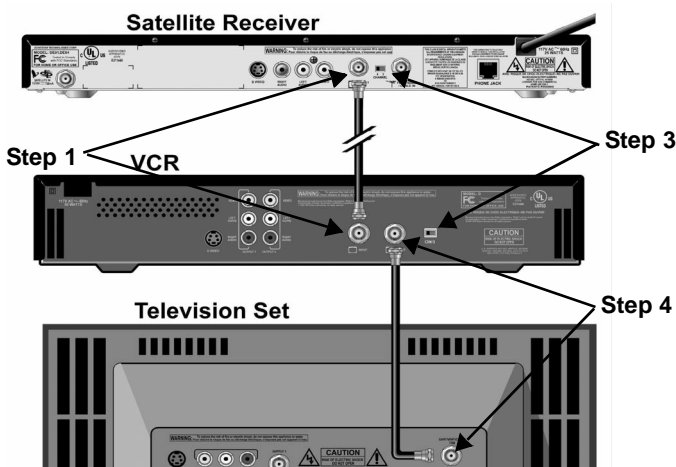














Figure 4. Connecting a Satellite Receiver, VCR, and TV

SETTING UP THE REMOTE TO CONTROL YOUR VCR



1. Find the brand name of your VCR in the VCR code tables starting on page 37. You will be referring to this location for codes in the instructions below.
2. Turn on your VCR.
3. Press and hold  until both   lights turn on (it takes about five seconds).
4. Release .  light will flash.
5. Press the RECALL button.  light turns on and stays on.
6. Enter one of the three-digit codes for your VCR from the VCR code tables while the  light is on.
Note: You have about 20 seconds to begin entering the VCR code.
7. Press the MUTE while watching  light.

8. If  light flashes three times, the code is valid and you can go to step 9. If  light does not flash at all, the code may not have been entered correctly. So, start over from step 3 and try the code again.
9. Press  while looking at the channel number display on your VCR. If the VCR is trying to change channels to the channel you wrote in step 2 on page 13, go on to the next section to set up  for your VCR. If not, pick another code for your VCR brand from the VCR code tables and go back to step 3.

Note: The way your VCR displays channel numbers may differ from the description above. See the *User's Guide* that came with your VCR for more information.

If you have tried all of the codes and none work, go to *How to Scan for VCR Codes* on page 20.

SETTING UP ON YOUR REMOTE CONTROL

1. Make sure your satellite receiver, VCR, and TV are connected and your remote control is set up to control your VCR using the instructions in the previous sections.
2. Turn on your VCR and tune your VCR to a channel other than 3 or 4 (for example, 5).
3. Press  to turn on your TV.
4. Press . Make sure your VCR tunes to either Channel 3 or 4.
5. Press the MENU button. If you see the satellite receiver **Menu** screen, go to step 26. If not, go to step 6.






















6. Write the number in step 2 from page 13 into the blank in step 10 below.
7. Press and hold the  until both   lights turn on (it takes about five seconds).
8. Release  and  light will flash.
9. Press the RECALL button.
10. Enter 0- _____ .
11. Press the MUTE button while watching  light.
12. If the  light flashes three times, go to step 13. If  light does not flash, go to step 7 and try again.
13. Press . Make sure your VCR tunes to the channel in step 10.
14. Press the MENU button. If you see the satellite receiver **Menu** screen, go to step 26. If not, go to step 15.
15. Answer the questions in the Table 2. The information you provide is what you will use to teach your remote control to change the channel on your VCR correctly.

Table 2: How I Change My VCR Channels

<p>Column 1: How do you change your VCR to Channel 3 using the number buttons?</p>	<p>Column 2: Circle the number sequence you use to change your VCR to Channel 3</p>
<p><i>"I just press the number buttons on my remote to change the channel."</i></p> <p>If you only press 3 on your remote control to change the VCR to Channel 3, circle the "3" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">3</p>
<p><i>"I have to enter a zero before the channel numbers."</i></p> <p>If you press 0, 3 on your remote control to change the VCR to Channel 3, circle the "0, 3" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">0, 3</p>
<p><i>"I have to press Enter after I press the off-air channel numbers."</i></p> <p>If you press 0, 3, Enter on your remote control to change the VCR to Channel 3, circle the "0, 3, SELECT" to the right in Column 2 and go to step 16.</p>	<p style="text-align: center;">0, 3, Select</p>
<p><i>"I enter a special number sequence not found above."</i></p> <p>In the space to the right, enter your special number sequence you use to change your VCR to Channel 3 (max. four entries). Then circle this sequence you wrote and go to step 16.</p>	<p style="text-align: center;">_____</p>

16. If the information in step 2 on page 13 is a “3,” write the numbers you circled in Table 2 into the blank in step 21.
17. If the information in step 2 on page 13 is a “4,” write the numbers you circled in Table 2 into the blank in step 21, except replace the “3” with a “4.”
18. Press and hold  until both   lights turn on (it takes about five seconds).
19. Release .  light will flash.
20. Press the RECALL button.
21. Press _____.
22. Press the MUTE button while watching  light.
23. If the  light flashes three times, go to step 24. If  light does not flash at all, go back to step 18.
24. Press . You should see both your TV and your VCR change to the channel you wrote in step 21 above so that you can watch satellite programming.
25. Press the MENU button. If you see the satellite receiver **Menu** screen, go to step 26. If not, go to step 15 on page 16.
26. You are finished programming the remote control.










USING WHEN A VCR IS INSTALLED


If you installed a VCR using the instructions in *Setting Up  to Pass Satellite Programming Through Your VCR to Your TV* on page 12, but you would like to use  to switch your TV to the preferred off-air channel, make sure your VCR is turned off before pressing .






OTHER REMOTE CONTROL INSTRUCTIONS


HOW TO SCAN FOR TV CODES

If the code for your TV is not in the *TV Codes* tables starting on page 30, complete the following instructions to scan for your TV's code.

1. Make sure your TV is on.
2. Hold  until   lights turn on (it takes about five seconds).
3. Release .  light flashes.
4. Press .  light stays on.
5. Press  or  until the TV turns OFF. You will have to do this repeatedly to scan through all codes.









Note: If  flashes eight times, you have tried every code in the remote control.


6. Press the MUTE to finish programming the remote control. The  light will flash three times.
7. Turn your TV back on by pressing  again and try the other buttons below to make sure they work.
 - Press the 0 through 9 buttons to change channels on your TV.
 - Press  and  to change channels on your TV.
 - Press  to change the TV volume.




If the buttons work, you have found the correct code for your TV and you may want to go to page 6 to set up . If the buttons do not work, go back to step 2 to find another code.

HOW TO SCAN FOR VCR CODES

If the code for your VCR is not in the *VCR Codes* tables starting on page 37, complete the following instructions to scan for your VCR's code.

1. Make sure your VCR is on.
2. Hold  until   lights turn on (it takes about five seconds).
3. Release .  light flashes.
4. Press the RECALL button.  light stays on.
5. Press  or  until the VCR turns OFF. You will have to do this repeatedly to scan through all codes.









Note: If  flashes eight times, you have tried every code in the remote control.

6. Press the MUTE to finish programming the remote control. The  light will flash three times.
7. Press  while looking at the channel number display on your VCR. If the VCR is trying to change channels to Channel 3 (or 4), you have found the correct code for your VCR and you may want to go back to page 15 to set up . If the VCR is not trying to change channels, go back to step 2 to find another code.

Note: The way your VCR displays channel numbers may differ from the description above. See the *User's Guide* that came with your VCR for more information.

HOW TO CHECK THE TV CODES








You can find out what TV code is set up in your remote control when you complete the following instructions.

1. Hold  until   lights turn on (it takes about five seconds).
2. Release .  light flashes.
3. Press .  stays on.
4. Press the MUTE button twice.  flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is zero.

Example: For the code 570, the TV POWER button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.

HOW TO CHECK THE VCR CODES









You can find out what VCR code is set up in your remote control when you complete the following instructions.

1. Hold  until   lights turn on (it takes about five seconds).
2. Release .  light flashes.
3. Press the RECALL button.  stays on.
4. Press the MUTE button twice.  flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is zero.

Example: For the code 590, the TV POWER button flashes five times, pauses, flashes nine times, pauses, and flashes once quickly.








HOW TO REMOVE TV CODES

If you decide to change the TV you are using with the remote control, it is a good idea to remove the TV code from the remote.

1. Press and hold  until   lights turn on (it takes about five seconds).
2. Release .  light flashes.
3. Press .  stays on.
4. Enter 9-9-9-9 with the keypad.
5. Press the MUTE button.
6. The  light will flash three times.
The TV code is now cleared from the remote control's memory. The TV channel also is reset back to "0-3" for the next time you set up a new TV code in your remote control.

HOW TO REMOVE VCR CODES

If you decide to change the VCR you are using with the remote control, it is a good idea to remove the VCR code from the remote.

1. Press and hold  until   lights turn on (it takes about five seconds).
2. Release .  light flashes.
3. Press the RECALL button.  stays on.
4. Enter 9-9-9-9 with the keypad.
5. Press the MUTE button.
6. The  light will flash three times.
The VCR code is now cleared from the remote control's memory. The VCR channel also is reset back to "0-3" for the next time you set up a new VCR code in your remote control.

HOW TO USE THE REMOTE CONTROL

This section describes how to use your DISH Network Remote Control. Figure 1 on page iv shows the remote control with a brief description of the buttons.


POINTING THE REMOTE CONTROL


The remote control uses infrared (IR) light signals to control the satellite receiver and TV. IR signals travel about 40 feet or less and cannot go through walls or other solid objects. To operate a device, you must point the remote control at the device, with no objects in the way.

USING THE REMOTE CONTROL FOR SATELLITE TV PROGRAMMING



SATELLITE CHANNEL CONTROL BUTTON

To use the remote control to get satellite TV programming and operate the satellite receiver, you must first press , which will do three things:

- Turns on the satellite receiver.
- Tunes your TV to the channel (3 or 4) you use to watch satellite TV programming (this function only works if you have completed the instructions in *Setting Up  to Switch the TV to Watch Satellite Programming* on page 3).
- Makes the remote control buttons work as described below to support watching satellite TV programming.



SAT POWER BUTTON

Press the SAT POWER button to turn the satellite receiver ON or OFF.



TV POWER BUTTON

Press the TV POWER button to turn the TV ON or OFF. This button works only if you have completed the instructions in *Setting Up the Remote to Control Your TV* on page 5.

MENU



MENU BUTTON

Press the MENU button to open the **Main Menu**.



VOLUME BUTTONS

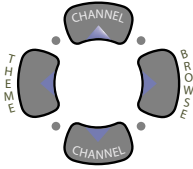
Press the VOLUME buttons to raise (+) or to lower (-) the sound volume on the TV. This works only if you have completed the instructions in *Setting Up the Remote to Control Your TV* on page 5.

GUIDE



GUIDE BUTTON

Press this button to open the **Program Guide**. When the **Program Guide** is open, press this button to switch among Favorite Lists.



UP/DOWN/LEFT/RIGHT BUTTONS

- Change channels - Press the UP or DOWN button.
- Open the **Browse Banner** - Press the RIGHT button.
- Show **Themes** - Press the LEFT button.
- Move around within the **Program Guide**, the menus, and **Browse Banner** - Press the UP, DOWN, LEFT, and RIGHT buttons.




SELECT BUTTON

Press this button to select a highlighted program or option in a menu.




INFO (INFORMATION) BUTTON

- Program information - Press the INFO button for more information when you watch a program, or when you have the **Program Guide**, **Browse Banner**, or **Themes** list open.
- Help - Press the INFO button to see help information when a **Help** button appears in a menu.
- System Information - Press and hold the INFO button until both  lights turn on. When you release the button the **Important System Information** menu displays.



CANCEL

CANCEL BUTTON

- **Cancel** - Press the CANCEL button to cancel a procedure and go back to the previous menu or to watching a program.
- **View** - Press and hold the CANCEL button until both  lights turn on. When you release the button, you will return to watching TV.



NUMBER BUTTONS

- **Change the channel** - Use the NUMBER buttons to enter a channel number to change the channel. If you have the **Program Guide** open, use the NUMBER buttons to jump to the channel listing on the **Program Guide**.
- **Scroll through the Program Guide by time** - When you have the **Program Guide** open, enter a number of hours using these buttons, and then press the RIGHT or LEFT arrow button to skip the **Program Guide** forward or backward that many hours.
- **Enter menu options** - For an option with a number, you can press the number for that option *instead* of highlighting and selecting the option.
- **Enter numbers in a menu** - Highlight the place where you need to enter the number. Press a number button(s) (or, you can use the UP/DOWN arrow buttons to enter the number).




DISH BUTTON

Press the DISH button to go to **Dish Home** for receivers that support **Dish Home**.




RECALL BUTTON

- Recall - Press the RECALL button to return to the last satellite receiver channel you watched. Press it again to switch between the last two satellite receiver channels you watched.
- * - Press and hold the RECALL button until both  lights turn on. Release the button send the * key.

Note: On DISHPVR receivers, this function will activate the PVR Recorded Events List.



MUTE BUTTON


- Mute - Press the MUTE button to turn the TV sound ON and OFF. This button works only if you have completed the instructions in *Setting Up the Remote to Control Your TV* on page 5.
- # - Press and hold the MUTE button until both  lights turn on. Release the button to send the # key.



Note: On DISHPVR receivers, this function will activate the Search feature.

USING THE REMOTE CONTROL FOR OFF-AIR TV PROGRAMMING



OFF-AIR CHANNEL CONTROL BUTTON

To use the remote control to get programs from an off-air antenna and operate your TV, you must first press , which will do three things:

- Turns off the satellite receiver to pass through your off-air antenna to your TV tuner. To watch off-air channels, you must have an off-air antenna connected as instructed in *Setting Up  to Switch the TV to a Preferred Off-Air Channel* on page 10.
- Tunes your TV to your preferred off-air channel. This function works only if you have completed the instructions in *Setting Up  to Switch the TV to a Preferred Off-Air Channel* on page 10.
- Makes the remote control buttons work as described below to support off-air programming. For any of these buttons to work, you must first have completed the instructions in *Setting Up the Remote to Control Your TV* on page 5.



POWER BUTTON

Press the POWER button to turn the TV on or off.



VOLUME BUTTON

Press these buttons to raise (+) or to lower (-) the sound volume on the TV.



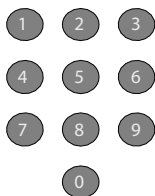
CHANNEL UP/DOWN BUTTONS

Use the CHANNEL UP/DOWN buttons to change channels on the TV.



SELECT BUTTON

The SELECT button works as the ENTER button for a TV.



NUMBER BUTTONS

Use these buttons to enter numbers in a TV menu or directly enter a channel number.



RECALL BUTTON

Press the RECALL button to return to the last off-air TV channel you watched. Press it again to switch between the last two off-air TV channels you watched.



MUTE BUTTON

Press this button to turn the TV sound ON and OFF.

TV AND VCR CODES

These tables contain the manufacturer codes for programming the remote control to control your TV or VCR. Every attempt has been made to include all codes. If your TV or VCR is not listed or the codes do not work, the remote may not control your device. In some cases codes may operate some but not all buttons shown in this guide.

TV CODES

TV Brand	Code
Admiral	514, 521
Akai	532, 570, 573
Alba	613
A-Mark	620
Amstrad	533
Anam	509, 541, 620, 621, 691, 698
AOC	505, 506, 519, 520, 620, 695, 712
Archer	620
Audiovox	620
Bauer	611
Baycraft	536
Brockwood	695
Broksonic	562, 691
Candle	506, 522, 523, 525, 536, 691, 695, 712
Capehart	519, 695

TV Brand	Code
Circuit City	695
Citizen	506, 516, 522, 523, 524, 525, 526, 691, 712
Colortyme	573, 695
Concerto	523
Contec	527, 528, 541, 591, 691
Craig	536, 541, 691, 694
Crown	526, 536
Curtis Mathes	506, 516, 526, 573, 703, 708, 712
CXC	541, 691
Daewoo	505, 524, 526, 529, 530, 531, 532, 698, 712, 719
Daytron	526, 695
Dixi	532, 588, 620
Dumont	695
EchoStar	722
Electorhome	526, 573, 709, 713
Elta	532
Emerson	526, 527, 528, 533, 534, 535, 536, 537, 538, 539, 540, 541, 573, 622, 691, 692, 695, 696, 699, 720,
Envision	506, 712
Etron	532
Fisher	542, 590
Formenti	611
Fortress	573, 605

TV Brand	Code
Fujitsu	534, 694
Funai	534, 541, 691, 694
Futuretech	541, 691, 694
General Electric (GE)	503, 508, 509, 515, 540, 543, 544, 630, 695, 698, 701, 714, 715, 716
Genexxa	613
Goldstar	505, 523, 526, 545, 546, 573, 588, 693, 712
Granada	695, 711
Grand	695
Grandiente	711
Grundig	547
Hallmark	695
Harmon Kardon	561
Hinari	534
Hitachi	523, 526, 548, 549, 550, 551, 552, 553, 554, 555, 585, 597, 626, 702, 718
Infinity	566
JBL	566
JC Penney	503, 505, 506, 516, 526, 531, 543, 596, 701, 714
Jenson	556, 573
JVC	557, 558, 559, 560
Kawasho	548, 561, 712
Kenwood	506, 573, 712

TV Brand	Code
Kloss	522, 561, 610, 698
KTV	526, 539, 540, 541, 691, 696, 712
Lloyds	695
Lloytron	526
Loewe	588
Logik	518
Luxman	523
LXI	503, 563, 566, 590, 595, 617, 625, 701
Magnavox	506, 520, 525, 536, 564, 565, 566, 567, 568, 569, 573, 575, 610, 710, 712,
Magnasonic	573
Marantz	506, 566, 573, 588, 712
Matsui	532, 609
Megatron	695
Memorex	518, 532, 590, 695, 720
MGA	504, 505, 506, 571, 573, 695
Mitsubishi	504, 505, 570, 571, 572, 597, 623, 695, 705, 707, 712
MTC	505, 506, 516, 523, 531, 695, 712
NAD	502, 617, 695
National	509, 697, 698
National Quenties	697
NEC	505, 506, 507, 517, 523, 573, 627, 712
Nikkai	612, 613, 618

TV Brand	Code
Nordmende	551
Normandic	717
Novabeam	561, 698
Nyon	701
Onwa	541, 691
Optonica	605, 607
Orion	694
Osaki	612
Panasonic	508, 509, 510, 511, 512, 566, 574, 685, 687, 689, 697, 698, 700, 706, 714, 716
Philco	505, 506, 525, 536, 564, 565, 568, 573, 610, 712
Philips	566, 588
Pioneer	502, 548, 551, 576, 708
Portland	505, 526, 712
Proscan	503
Proton	513, 519, 526, 536, 585, 624, 695
Pulsar	501
Quasar	508, 509, 577, 698, 700
Radio Shack	526, 541, 607, 612, 691, 698
RCA	503, 505, 515, 548, 579, 580, 581, 582, 583, 584, 586, 587, 625, 633, 634, 691, 698, 701, 708, 714, 715, 716
Realistic	590
Saba	551
Saisho	532, 533, 609

TV Brand	Code
Sampo	506, 519, 698
Samwon	620
Samsung	505, 506, 516, 523, 526, 532, 588, 612, 695, 704, 712, 721
Sanyo	542, 589, 590, 591, 592, 609
SBR	588
Schneider	588
Scott	526, 534, 537, 541, 593, 600, 691, 696, 701
Sears	503, 523, 534, 542, 563, 589, 590, 594, 595, 596, 598, 599, 601, 602, 603, 604, 617, 695, 703
Seimitsu	695
Sharp	526, 585, 591, 605, 606, 607, 608, 628, 629
Siemens	591
Signature	518
Silver	573
Solavox	612
Sony	500, 578, 609, 619, 622, 690
Soundesign	525, 536, 541, 691, 695
Spectricon	520, 620
Squareview	694
SSS	505, 541, 573, 691, 712
Supra	523
Supremacy	522

TV Brand	Code
Sylvania	506, 525, 536, 564, 565, 566, 568, 573, 575, 600, 610, 611, 712
Symphonic	632, 692, 694
Tandy	605, 613
Tatung	509, 698
Technics	508
Techwood	523, 573
Teknika	504, 505, 516, 518, 522, 523, 524, 525, 526, 534, 536, 541, 614, 615, 686, 691, 712
Teleavia	551
Telefunken	551
Teletch	532
Tera	513
Thomas	695
Thompson	709
Thomson	551, 616
TMK	523, 573, 695
Toshiba	516, 590, 596, 617, 618, 631, 688
Tosonic	528
Totevision	526
Toyomenko	695
Universal	543
Vector Research	506
Victor	557

TV Brand	Code
Video Concepts	570, 691
Vidtech	505, 695, 712
Viking	522
Wards	505, 506, 515, 518, 534, 536, 543, 564, 565, 567, 568, 607, 619, 712, 714, 715
Yamaha	505, 506, 712
York	695
Zenith	501, 518, 693
Zonda	620

VCR CODES

VCR Brand	Code
Aiwa	588
Akai	513, 514, 515, 516, 518, 519, 520
Alba	546
Amstrad	588
ASA	565
Audio Dynamics	594, 600, 668
Broksonic	665, 689
Bush	589
Candle	592
Canon	553, 554, 669
Capehart	543, 546

VCR Brand	Code
Carver	664
CCE	677
Citizen	591, 592
Colt	677
Craig	591, 608, 677
Croslex	553
Curtis Mathes	554, 592, 653, 669
Daewoo	534, 545, 546, 547, 665, 666
Daytron	546
DBX	594, 600, 668
Dimensia	653
Dumont	549
Dynatech	588, 666
Emerson	505, 506, 509, 588, 590, 654, 655, 660, 665, 666, 670, 672, 683, 689
Finlandia	549
Finlux	549, 565, 588
Fisher	549, 584, 588, 608, 674, 676
Fuji	685
Funai	666
Garrard	666
General Electric (GE)	550, 552, 554, 591, 653, 669
Goldstar	530, 592, 613
Goodmans	589

VCR Brand	Code
Gradiente	666
Granada	549, 581
Grundig	565
Harley Davidson	666
Harmon Kardon	530
Harwood	677
Hinari	589
Hitachi	553, 588, 595, 596, 681, 688
Instant Replay	553
ITT	518
JC Penney	530, 554, 591, 594, 600, 668, 669, 675, 681
Jenson	560
JVC	592, 594, 600, 662, 668
Kenwood	581, 592, 594, 600, 662, 668
KLH	677
Lloyd	588, 666
Logik	589, 677
Luxor	518
Magnavox	553, 554, 556, 565, 611, 663, 664, 669, 682
Marantz	530, 554, 565, 592, 594, 600, 603, 664, 668
MEI	554

VCR Brand	Code
Memorex	549, 554, 581, 588, 608, 663, 666
Minolta	681
Mitsubishi	659, 662, 671, 687
MTC	544, 588
Multitech	588, 589, 591, 666, 677
NAD	573
NEC	530, 531, 532, 562, 592, 594, 599, 600, 602, 603, 604, 662, 668, 678
Olympic	553
Orion	506
Panasonic	523, 553, 554, 614, 633, 669
Pentax	592, 681
Perdio	588
Philco	553, 554, 611, 664, 669
Philips	553, 554, 565, 664
Pioneer	553, 573, 600, 662, 668
Portland	546
Proscan	553, 653
Protec	677
Pulsar	663
Quartz	581
Quasar	553, 554, 669
Radio Shack	608, 666, 669, 676
RCA	591, 653, 656, 657, 679, 680, 681, 684

VCR Brand	Code
Realistic	549, 554, 581, 584, 588, 666, 669, 676
Ricoh	502, 686
Runco	663
Saisho	506
Salora	581
Samsung	534, 591, 661
Sanky	663
Sansui	532, 544, 600, 621, 662, 668
Sanyo	549, 581, 582, 608
SBR	565
Schneider	589
Scott	590, 654, 665, 673, 683, 689
Sears	549, 581, 584, 608, 676, 681
Sentra	546
Shintom	589, 667, 677
Singer	677, 686
Sony	500, 501, 502, 667, 685
STS	681
Sylvania	553, 554, 556, 588, 611, 664, 669
Symphonic	588, 594, 666
Tandy	588
Tashiko	588
Tatung	586, 594
Teac	588, 594, 666, 679

VCR Brand	Code
Technics	553, 554
Teknika	554, 588, 666
TMK	506, 660
Toshiba	534, 590, 673, 683
Totevision	591
Vector Research	530, 600, 668
Victor	600, 668
Video Concepts	600, 668
Videosonic	591
Wards	554, 588, 589, 590, 591, 608, 658, 666, 681, 683
XR1000	666, 677
Yamaha	530, 592, 594, 600, 668
Zenith	500, 501, 663, 667, 685, 686

LIMITED WARRANTY

This warranty extends *only* to the original user of the DISH Network remote control (“you,” “your”) and is *limited* to the purchase price of the remote control. EchoStar Communications Corporation and its affiliated companies (“we,” “our,” “us”) warrant this remote control against defects in materials or workmanship as follows.

For one year from the original date of purchase, if we find the remote control is defective subject to the limits of this warranty, we will replace the remote at no charge for parts or labor. We warrant any such work done against defects in materials or workmanship for the remaining part of the original warranty period.

This warranty *does not cover* installation of the DISH Network System; consumer instruction; physical set up or adjustment of any consumer electronic device; remote control batteries; signal reception problems; loss of use of the equipment; unused programming charges due to equipment malfunction; cosmetic damage; damage due to lightning, electrical or telephone line surges, fire, flood, or other acts of Nature; accident; misuse; abuse; repair or alteration by other than our factory service; negligence; commercial or institutional use; improper or neglected maintenance; equipment sold AS IS or WITH ALL FAULTS; equipment removal or reinstallation; shipping damage if the equipment was not packed and shipped in the manner we prescribe; nor equipment purchased, serviced, or operated outside the contiguous United States of America.

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. WE SHALL NOT BE HELD LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS DEVICE, NOR FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF, OR INABILITY TO USE, THIS DEVICE. UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS DEVICE NOT TO HAVE

PERFORMED PROPERLY. THIS WARRANTY SHALL BE VOID IF ANY FACTORY-APPLIED IDENTIFICATION MARK, INCLUDING BUT NOT LIMITED TO SERIAL OR CONDITIONAL ACCESS NUMBERS, HAS BEEN ALTERED OR REMOVED. THIS WARRANTY SHALL ALSO BE VOID IF THE DEVICE HAS BEEN OPENED BY AN UNAUTHORIZED PERSON (with the exception of opening the battery cover).

This warranty gives you specific legal rights which may vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, or allow limitations on the duration of an implied warranty, so those limitations may not apply to you.

ADVANCE EXCHANGE PROGRAM

The Advance Exchange Program allows you to have replacement equipment shipped immediately to you (depending upon where you live, it could take three to five business days). Along with replacement equipment, you will receive a prepaid shipping label and instructions on how to return the defective equipment.

The shipping charge, for receiving replacement equipment and returning the defective equipment, is a one time fee based on EchoStar's competitive bulk shipping rates (additional charges may apply outside of the continental US). This fee will be charged to your billing account or your valid credit card.

If you do not ship the defective equipment to EchoStar within ten days after receiving the replacement, your billing account or credit card will be charged the market price of the replacement. If you return the defective equipment after ten days, you will receive a full refund less an administrative fee.

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

POST RECEIPT EXCHANGE PROGRAM

You may choose to ship the equipment to us at your cost. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

The equipment you return will be checked to verify whether it is covered under this warranty. If the defective equipment is covered under this warranty, it will be replaced and shipped back to you at no additional cost (additional charges may apply outside of the continental US).

If your equipment is out of warranty and can be repaired your billing account or credit card will be charged the standard repair fee for the replacement. If damage to the defective equipment is found, which EchoStar in its sole discretion determines has voided the warranty, or makes the equipment unrepairable, your billing account or credit card will be charged the market price of the replacement.

ACCESSORY WARRANTY

An accessory is any DISH Network branded equipment, displaying the DISH Network logo, excluding the receiver, Smart Card, cables and hookups, and non-mechanical components. A one-year warranty becomes effective upon the activation of the DISH system or date of purchase, if bought separately. A proof of purchase is required to verify the purchase date. If an accessory has an expired warranty, no exchange will be issued. You may purchase replacement accessories from DISH Network or your local retailer.

IF YOU NEED HELP

1. Review this *User Guide*.
2. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
3. A Representative will help you.
4. If the Representative finds you should return the remote control, you will get a telephone number to call for a Return Authorization (RA) number. *Before shipping* any equipment to us, you *must* get a Return Authorization number.
5. You *must* package returned equipment properly. Follow the instructions the Representative gives you.

6. Write the RA number in large, clearly visible characters on the *outside* of the shipping box used to return the equipment.

To avoid confusion and misunderstandings, we will return shipments without an RA number clearly visible on the outside of the box to you at your expense.

7. We will:

- Check the remote control, including whether it is covered under the warranty.
- Replace any remote we find is defective with a new or refurbished remote, if the defective remote is covered under the warranty. We will ship the replacement remote at our expense.
- If a defective remote is not covered under the warranty, we will tell you. We may assess you a flat rate charge for a replacement remote, including shipping and insurance.