

# Remote Control User Guide



**Notes:**

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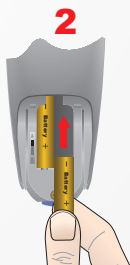
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1

## Insert the Batteries



Pull the remote battery cover off.



Insert 4 AAA batteries making sure to match the plus (+) ends with the plus markings on the battery case.



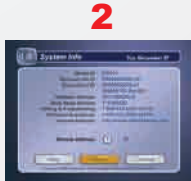
Replace the remote battery cover.

2

## Making the Remote Work With Your Receiver



Turn your receiver and TV on, and press SYSTEM INFO on the front of the receiver.



Confirm that you see the System Info screen.



Press RECORD on your remote. The remote address probably changes on the screen.



Use the remote to select Done from System Info to confirm that your remote operates your receiver. If this is not working, go back to step 1.

## Program the Remote to Control Your TV

**1**



Turn your TV on.

**2**



Press & hold the TV Mode button until all Mode buttons light up.

**3**

POWER



Press POWER.

**4**



Press the UP ARROW repeatedly (about 1 press per second) until your TV turns off.

**5**



Press POUND.

**6**



Press the POWER button to turn the TV on and try other buttons to make sure the code works. If you want to try another code, start over from step 1.

## Placing Your Remote in Limited Mode

Limited Mode locks out all the TV mode operations except for TV power, Mute, and Volume. This feature prevents you from accidentally tuning away from satellite programming.

1



Press & hold the TV Mode button until all Mode buttons light up.

2



Press the PAGE UP button.

3



Press POUND.

To take the remote out of Limited Mode, use the PAGE DOWN button instead of the PAGE UP button in step 2.

## If You Lose Your Picture (How to Use the Recover Button)

Use the Recover button to get back to watching satellite programming if you accidentally change channels or inputs on your TV.

1



Press and hold RECOVER until all mode buttons light up.

2



If you see the System Info screen, proceed to step 4. Otherwise, continue to step 3.

(Your screen may be different)

3



Press RECOVER again & wait until the mode lights stop flashing. If you see the System Info screen, go to step 4. If not, repeat this step until you do.

4



Press SELECT to resume watching TV.

# Remote Operation

## SAT Mode

To use the features described in this section, make sure you are in SAT mode by pressing the SAT Mode button.



**Note:** Some features may not be available depending on your receiver model.

### Volume & Mute Buttons

Control TV volume

Programming required (see page S-2)

### Receiver Power & TV Power

**Top button** turns the receiver on/off  
**Bottom button** turns the TV on/off

Programming required (see page S-2)

Press this button for SAT Mode

### Page Buttons

Page up/down in menus

### Program Guide

Display current and future satellite program listings

### Arrows/Select Buttons

Channel up/down, navigate through menus/guides and select a desired option

### Receiver Menu

Access receiver features and settings

### Themes

Search for programs using Themes

### Recall

Go back to last channel viewed

### Info

Display program info

### Recover

Recovers satellite programming if your TV input or channel has changed

### Picture-In-Picture (PIP) Buttons

Watch two separate programs at once (in Single Mode if available on your receiver)

### Format

Format the picture to the desired width to match the program you are viewing (this feature varies by receiver)



### Browse

See what is on other channels while watching TV

### View Satellite Programming

Exit out of any menu/guide and go back to viewing live TV

### DISH

Explore interactive TV features

### Number Buttons

Enter a channel number or select menu items

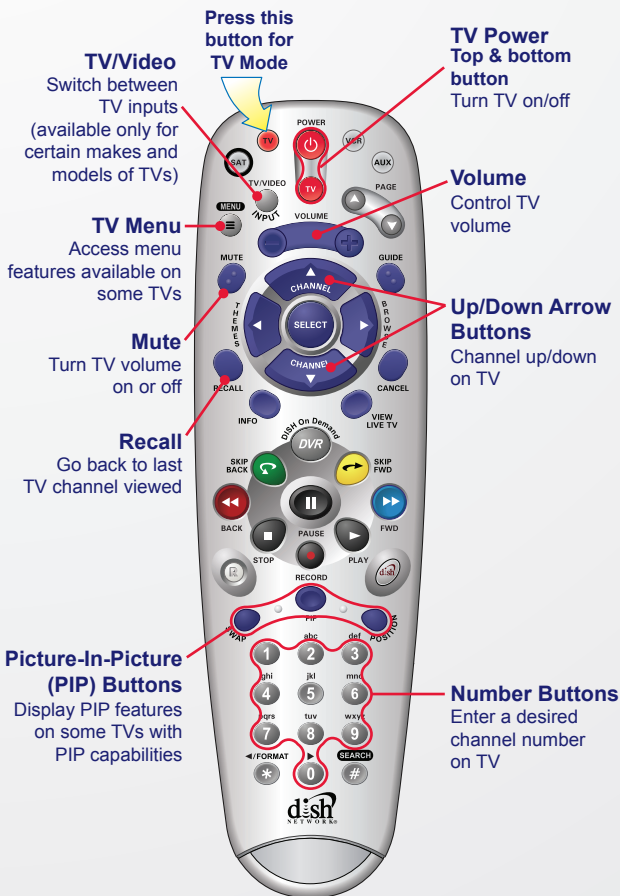
### Search

Search for a program

# Remote Operation

## TV Mode

To use the features described in this section, make sure you are in TV mode by pressing the TV Mode button. Remote programming is required. See page S-2 for instructions.



*Note: Remote operation is different on DISH Network TVs. See your DISH Network TV User's Guide for proper operation.*



# Remote Operation

## VCR Mode

To use the features described in this section, make sure you are in VCR mode by pressing the VCR Mode button. You can use this mode to operate your DVD player instead of a VCR. Remote programming is required. See page 2 for instructions.



Press this button for VCR Mode

### VCR/DVD Power & TV Power

Top button turns VCR/DVD player on/off

Bottom button turns the TV on/off

**TV/Video**  
Switch VCR between its TV & VCR mode

**Up/Down Arrow Buttons**  
Channel up/down on VCR

**Back**  
Rewind a videotape or reverse a DVD

**Pause**  
Pause a videotape or DVD

**Stop**  
Stop playing or recording a videotape, or stop playing a DVD

**FWD**  
Forward a videotape or DVD

**Record**  
Record on a videotape

**Play**  
Play a videotape or DVD

**Number Buttons**  
Enter a desired channel number on VCR



**Notes:**

## REMOTE CONTROL OVERVIEW

Use this full-function remote to control your DISH Network receiver. Also, you can program the remote to control most of the popular brands of audio/video equipment like a TV, VCR, DVD player, or a second DISH Network satellite receiver. See *Programming for Other Equipment* on page 2.

**Note:** This remote control may have features not used by your receiver.

## USING THE GUIDE

This guide makes it easy to set up and use your remote control. By now you've noticed that the pages at the beginning of this *User Guide* contain information on quick set up and remote operation.

The rest of the guide contains in-depth information to help you get the most from your remote control, including controlling other equipment like TVs, VCRs, and DVD players.

## REMOTE CONTROL MODES

Use the remote control's mode buttons to set the remote to the correct mode for the equipment. Be sure to program the remote to control other equipment as described on page 2.



**Great Idea:** Whenever you finish using other equipment (TV, VCR, DVD, etc.) be sure to put the remote back in SAT mode.

To change the mode, press the button for the equipment you want to control. The mode button lights for two seconds to show you've set the remote to that mode.

If you program the remote to control other equipment, refer to the following pages located at the beginning of this guide for remote control operation instructions:

- TVs, *Remote Operation TV Mode*, page S-5.
- VCRs and DVD players, *Remote Operation VCR Mode*, page S-6.
- DISH Network satellite receivers, *Remote Operation SAT Mode*, page S-4.
- Stereo equipment use only these buttons: SELECT (change inputs), MUTE, VOLUME, and POWER.

## HOW THE REMOTE COMMUNICATES

This remote uses IR signals to control the receiver and other equipment.

IR signals travel only short distances (up to 40 feet), and cannot go through walls or other solid objects. Point the remote control right at the equipment you want to control, with no objects to block the signal path.

## PROGRAMMING FOR OTHER EQUIPMENT

Page S-2, *Program the Remote to Control Your TV*, shows you how to program the remote to control a TV. This section uses a different method to program the remote to control a TV or other equipment (such as a VCR, DVD player, tuner, amplifier, or a second TV). You can program the remote by either following the instructions in *Programming Using Equipment Code Tables* on page 4, or the *Scanning for Equipment Codes* procedure described on page 5.

## COMBINATION EQUIPMENT (FOR EXAMPLE, TV/VCR)

When programming the remote to control combination equipment, such as a TV/VCR or a TV/DVD, program the remote control in one mode, and then repeat the procedure in the other mode. Use the appropriate equipment codes provided later in this guide (see page 12). For example, to program the remote to control a Magnavox TV/VCR using code 887, follow the instructions to program the remote to control the TV using code 887, and then repeat the instructions for the VCR using code 797. Put the remote in TV mode to use the TV and VCR mode to use the VCR.

## **LIMITED MODE**

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR. When Limited Mode is enabled, you cannot select TV mode. If you press the TV button while TV mode is programmed in Limited Mode, the TV button flashes and the SAT button lights, telling you cannot switch to TV mode. The remote then moves back to SAT mode.

When you use the remote to control your TV in Limited Mode, you are only be able to use the POWER, MUTE, and VOLUME buttons to control your TV. Also, when you use the remote to control your VCR in Limited Mode, you are only be able to use the POWER and VCR function buttons. The section *Programming Using the Equipment Code Tables* (page 4) has a step that tells the remote control to go into Limited Mode. Also, a quick way to put the remote in Limited Mode is on page S-3, *Placing Your Remote in Limited Mode*.

**Note:** Limited Mode cannot be used with audio amplifiers.

## **FIXED CHANNEL MODE**

You can program your remote control in Fixed Channel Mode to automatically set the TV and/or VCR to a given channel when you press either RECOVER or the SAT button.

### **SETTING (OR CHANGING) FIXED CHANNEL MODE FOR TV AND/OR VCR**

- 1** Press and hold the TV or VCR mode button until all four mode lights illuminate.
- 2** Press the STAR key (\*). Enter a channel, using two or three digits between 02 and 125. For example, to set channel 25, enter \*25.
- 3** Press the POUND (#) key. The TV or VCR mode button flashes three times.

### **REMOVING FIXED CHANNEL MODE FOR TV AND/OR VCR**

- 1** Press and hold the TV or VCR mode button until all four mode lights illuminate.
- 2** Press the STAR (\*) key followed by two zeros (\*00).
- 3** Press the POUND (#) key. The TV or VCR mode button flashes three times.

## PROGRAMMING USING EQUIPMENT CODE TABLES

You can set up the remote to control other equipment using the equipment codes listed on page 12 and the modes as shown on page 1.

Instructions	Additional Information
1 Turn the equipment on.	Use the equipment's front panel buttons or its remote control.
2 Find the brand name of the equipment in the tables starting on page 12.	If the brand isn't listed, see <i>Scanning for Equipment Codes</i> on page 5.
3 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, TV flashes.
4 <i>For AUX mode only.</i> Press 0 for a second TV, or 1 for a second VCR, or 2 for a tuner or amplifier.	This step is for programming the kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 5.
5 Enter one of the three-digit equipment codes from the table using the number buttons.	The three-digit equipment code should be for the brand name of your equipment that you found in step 2.
6 If you want to program Limited Mode, press 1. If not, skip to step 7.	See <i>Limited Mode</i> on page 3 for more information.
7 Press POUND (#).	If you entered the code correctly, the mode button flashes three times.
8 Press POWER to turn off the equipment. If the equipment does not turn off, go to step 10.	If the code works, the equipment turns off.

Instructions	Additional Information
<p><b>9</b> Turn the equipment back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.</p> <p><b>Note:</b> If you have programmed your remote in Limited Mode, only the MUTE and VOLUME buttons work.</p>	<p>For example, sometimes POWER works when other buttons don't.</p>
<p><b>10</b> If the code doesn't work, repeat steps 3 through 9 with another equipment code from the tables.</p>	<p>Try every code listed for your brand until one works for your equipment.</p>
<p><b>11</b> If you can't find a code that works, try <i>Scanning for Equipment Codes</i> that follows.</p>	

### SCANNING FOR EQUIPMENT CODES

Instructions	Additional Information
<p><b>1</b> Turn the equipment on.</p>	<p>Use the equipment's front panel buttons or its remote control.</p>
<p><b>2</b> Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.</p>	<p>For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV flashes.</p>
<p><b>3</b> <i>For AUX mode only.</i> Press 0 for a second TV, or 1 for a second VCR, or 2 for a tuner, or amplifier. Then press the STAR (*) button.</p>	<p>This step is for programming which kind of equipment that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4.</p>

Instructions	Additional Information
4 Press POWER.	This puts your remote in the scan mode.
5 Press the UP or DOWN ARROW repeatedly until the equipment turns off.	As you press the UP or DOWN ARROW, the remote tries each code in the memory to see if it can turn off your equipment. When the equipment turns off, you have found a code that might work. <b>Note:</b> The mode button for the equipment flashes rapidly eight times when you've scanned all the codes for that equipment.
6 Press POUND (#).	The mode button flashes three times if you have entered the code correctly. This stores the code you found.
7 Turn the equipment back on and try some other buttons to make sure they work.	Press POWER to turn the equipment back on. Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't.
8 If necessary, repeat this procedure until you've tried all the codes.	You may need to repeat the scan to find the best code for your equipment.
9 Once you find a code that works, consider using Limited Mode.	See page S-3, <i>Placing Your Remote in Limited Mode</i> for putting your remote in Limited Mode.



## **SWITCHING BETWEEN TV AND AMPLIFIER VOLUME CONTROL**

When you set up the remote to control a TV, the MUTE and VOLUME buttons control the TV volume, even if your remote control is in SAT mode. However, if you want to use the AUX mode to control a tuner or amplifier that has a volume setting, you can set up the remote to control the tuner or amplifier's volume instead of the TV volume while your remote control is in SAT mode. Follow the instructions in the left column to switch to controlling volume in AUX mode. To change back to controlling the TV volume in SAT mode, follow the instructions in the right column.

Control Amplifier Volume	Control TV Volume
<p><b>1</b> Press and hold the AUX mode button for three seconds, and then let go of it. The AUX mode button blinks.</p> <p><b>2</b> Press the POUND (#) button.</p> <p><b>3</b> Press the plus (+) side of the VOLUME button.</p> <p><b>4</b> Press the 0 number button.</p> <p><b>5</b> Press the POUND (#) button.</p> <p>The AUX mode button flashes three times.</p> <p><b>MAKE SURE THE REMOTE CONTROLS THE AMPLIFIER'S VOLUME:</b></p> <p><b>6</b> Press the SAT mode button.</p> <p><b>7</b> Press the plus (+) and minus (-) sides of the VOLUME button.</p> <p><b>8</b> The equipment's volume changes and the AUX mode button lights instead of the TV mode button.</p>	<p><b>1</b> Press and hold the TV mode button for three seconds, and then let go of it. The TV mode button blinks.</p> <p><b>2</b> Press the POUND (#) button.</p> <p><b>3</b> Press the plus (+) side of the VOLUME button.</p> <p><b>4</b> Press the 0 number button.</p> <p><b>5</b> Press the POUND (#) button.</p> <p>The TV mode button flashes three times.</p> <p><b>MAKE SURE THE REMOTE CONTROLS THE TV'S VOLUME:</b></p> <p><b>6</b> Press the SAT mode button.</p> <p><b>7</b> Press the plus (+) and minus (-) sides of the VOLUME button.</p> <p><b>8</b> The TV's volume changes and the TV mode button lights instead of the AUX mode button.</p>

## ***PROGRAMMING THE REMOTE TO CONTROL A SECOND RECEIVER IN AUX MODE***

If you have another DISH Network satellite receiver installed, you can use this remote in **AUX** mode to control it along with your new receiver. When you program the remote to control the other receiver, the remote sends out IR signals to the receiver. You can program the remote to control any other DISH Network satellite receiver, except for following:

- TV2 on Duo 322 (also known as DISH 322), DuoDVR™ 522, DuoDVR™ 625, DuoDVR™ ViP® 222, and DuoDVR™ ViP® 622 (also known as DISH Player-DVR models 522, 625, and ViP 222, & ViP 622 DVR)
- DishPlayer 7100/7200

- 1** Turn on the other receiver and display the System Info screen (see the receiver's *User Guide* for information on how to display this screen).

Write down the address shown: \_\_\_\_\_

- 2** Press and hold the **AUX** button until all the other mode buttons light up, and then let go of the button. The **AUX** button flashes.
- 3** Press the **3** button.
- 4** Use the **NUMBER PAD** to enter the address you wrote in step 1.
- 5** Press **POUND (#)**. The **AUX** button blinks three times.
- 6** Press **RECORD** to make sure the address and the remote matches the address on the receiver.

## READING OUT THE REMOTE CONTROL CODES

These instructions explain how to check the codes you put in the remote control when you set it up. Be sure to write them in the spaces provided on the inside of the back cover.

Instructions	Additional Information
<p><b>1</b> Press and hold the mode button for the equipment you want the remote to control. When all the other mode buttons light up, let go of the mode button—that mode button should now be flashing.</p>	<p>For example, hold the TV mode button for a TV until all of the other mode buttons light. When you let go, the TV mode light flashes.</p>
<p><b>2</b> Press the POUND (#) button <i>twice</i>. The mode button flashes the number for each digit of the equipment code, with a pause between the groups of flashes. A quick flash is for zero.</p>	<p>For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and quick flashes for zero.</p>
<p>For AUX mode, the first group of flashes tells you what type of device the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR or DVD player; and two flashes is for a tuner or amplifier.</p>	<p>For example, if the TV code is 570, the AUX mode button flashes once quickly, pauses, flashes five times, pauses, flashes seven times, pauses, and quick flashes for zero.</p>
<p>For a satellite receiver programmed in AUX mode, the group of flashes tells you the address number.</p>	<p>For example, if the AUX mode button is set to control a satellite receiver with address 5, the AUX mode button flashes five times.</p>

## DISCRETE CODES FOR LEARNING REMOTES

Remote control discrete On and Off IR commands are used by installers when programming macro commands into universal remotes. Using an On-only or Off-only command is more effective than a toggle On/Off command when trying to ensure the satellite receiver is reliably in one state or the other. To use discrete power commands, complete the following:

- 1 Program the DISH Network remote to desired remote address (see *Changing the Remote and Receiver Address* below).
- 2 Hold the SAT mode button until all mode buttons light, then release.
- 3 Press POWER (not TV POWER).
- 4 Press VOLUME UP for discrete power on or VOLUME DOWN for discrete power off.
- 5 Press any other button when done to end this procedure.

## CHANGING THE REMOTE AND RECEIVER ADDRESS

One quick way to avoid remote conflicts is by changing the address on your remote and receiver. If you notice that your receiver is changing channels or opening menus but you're not using the remote control, a quick change of address should fix the problem.

- 1 Press SYSTEM INFO on the receiver's front panel. The System Info screen displays and shows the **Remote Address**.

Write down the address shown: \_\_\_\_\_

**Note:** If you aren't sure how to access the System Info screen or if there isn't a SYSTEM INFO button on the front panel of your receiver, check your receiver's *User Guide*.

- 2 Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then let go of SAT.
- 3 Use the NUMBER PAD to enter any number between 1 and 16, but not the one you wrote in step 1.
- 4 Press the POUND (#) on your remote (the SAT button flashes three times). Write down the number you entered in the space provided on the inside back cover.

- 5 Press RECORD. Make sure the **Remote Address** you see on the System Info screen is the same as the one you entered in step 3. If it isn't, the remote cannot control the receiver. Press RECORD a second time.
- 6 Press SELECT to close the System Info screen.

## EQUIPMENT CODES

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

### TV CODES

**Programming in AUX mode:** In most cases use these codes to program in TV mode; however, if programming in AUX mode, press 0 before entering the TV code.

<b>Abex</b> 730	<b>Dell</b> 772 773 774
<b>Action</b> 662	<b>Dimensia</b> 645 650
<b>Admiral</b> 521 605 675	<b>Dixi</b> 566 620
<b>Aiko</b> 727	<b>Dumont</b> 501 627 652
<b>Akai</b> 570 573 906 907 908	<b>Echostar</b> 722
<b>Alleron</b> 682	<b>Electrohome</b> 526 573 651 652 654 656 709 728
<b>A-Mark</b> 620	<b>Emerson</b> 526 534 536 541 573 590 627 636 642 648 652 654 655 657 658 662 682 683 692 696 699 720 816
<b>Amtron</b> 657	<b>Envision</b> 506 573 652 654
<b>Anam National</b> 509 541 620 651 657 698	<b>Fisher</b> 542 590 683
<b>AOOC</b> 505 506 519 520 573 620 627 652 653 654	<b>Fortress</b> 573
<b>Apex</b> 743 744 745 757 814 815	<b>Fujitsu</b> 534 682 694
<b>Archer</b> 620	<b>Funai</b> 534 541 657 662 682 694
<b>Audiovox</b> 620 657 662	<b>Futuretech</b> 541 657 694
<b>Baycraft</b> 536	<b>GE</b> 508 509 543 544 630 645 646 650 651 652 654 676 690 691 698 701 715 716 725 728 742 779 809 859
<b>Belcor</b> 652	<b>General Electric</b> 627
<b>Bell &amp; Howell</b> 590 675 683	<b>Gibraltar</b> 501 652
<b>Bradford</b> 657	<b>Goldstar</b> 505 523 526 545 546 566 573 652 653 654 655 656 658 693 730
<b>Brockwood</b> 627 652	<b>Granada</b> 627
<b>Broksonic</b> 562 748 752	<b>Grand</b> 627
<b>Candle</b> 506 523 525 536 627 652 654	<b>Grunpy</b> 657 682
<b>Candle/Citizen</b> 573	<b>Hallmark</b> 627 652 654
<b>Capehart</b> 519 627	<b>Harmon Kardon</b> 561
<b>Circuit City</b> 627	<b>Harvard</b> 657
<b>Citizen</b> 506 516 523 524 525 526 590 652 654 657 658 680 727	<b>Hinari</b> 534
<b>Colortyme</b> 573 627 652 654	<b>Hisense</b> 759
<b>Concerto</b> 523 652 654	<b>Hitachi</b> 523 526 548 549 553 554 555 585 597 626 636 638 643 648 652 654 655 702 718 726 786 788 789 790 791 792 801 802
<b>Contec Cony</b> 662	<b>HP</b> 911 912
<b>Contec/Cony</b> 541 655 657 726	<b>IMA</b> 657
<b>Craig</b> 536 541 657 662 694	<b>Infinity</b> 566
<b>Crown</b> 526 536 657	<b>JBL</b> 566
<b>Curtis Mathes</b> 506 516 526 573 590 641 645 650 652 654 658 680 683 703 708	
<b>CXC</b> 541 657 662	
<b>Cytron</b> 903 904	
<b>Daewoo</b> 505 524 526 529 530 531 573 630 652 653 654 658 684 698 719 727 816	
<b>Daytron</b> 526 627 652 654 658	

## TV CODES (CONTINUED)

**JC Penney** 505 506 516 525 526 543  
546 631 645 646 650 652 653 654  
658 676 680 690 691 701 725 726  
728 730  
**Jensen** 556 573 652 654  
**JVC** 508 557 559 642 649 655 676  
726 735 736 737 812 817  
**Kawasho** 548 561 573 652 654  
**Kenwood** 506 573 652 654 656  
**Kloss** 561 610  
**Kloss Novabeam** 657 698 723 724  
**KTV** 526 541 573 657 658 662 696  
**LG** 653 766  
**Lloyds** 627  
**Lloytron** 526  
**Loewe** 566  
**Logik** 675  
**Luxman** 523 652 654  
**LXI** 563 566 590 595 617 631 635 645  
646 650 654 683 691 701 725  
**M. Wards** 500 505 506 534 543 567  
568  
**Magnasonic** 573  
**Magnavox** 506 520 525 536 566 567  
568 573 610 652 654 656 723 724  
729 762 818 887 888  
**Majestic** 675  
**Marantz** 506 566 573 652 654  
**Megatron** 627 654  
**Memorex** 590 627 653 654 675 683  
720  
**MGA** 504 505 506 542 571 573 627  
652 653 654 656 728  
**Midland** 501 646 658 676 725 730  
**Mitsubishi** 504 505 542 570 571 572  
573 597 623 627 652 653 654 656  
705 728 787 799 804  
**Mitsui** 769  
**Montgomery Ward** 675  
**Motorola** 521 605 651  
**MTC** 505 506 516 523 573 627 652  
653 654 680  
**Multitech** 657  
**NAD** 502 617 627 631 635 637 654  
**National** 509  
**NEC** 505 506 507 517 523 573 627  
651 652 653 654 731 732  
**Nikkai** 612  
**Nikko** 654 727  
**Normandic** 717  
**Novabeam** 561  
**NTC** 727  
**Nyon** 701  
**Olevia** 910  
**Onwa** 541 657  
**Optimus** 637  
**Optonica** 521 605 607  
**Orion** 694  
**Osaki** 612  
**Panasonic** 508 509 512 566 644 651  
662 676 685 689 698 700 716 734  
761 765 780 784 811 819 820 821  
822 823 867 868 869 870 871 872  
873 874 875 876 877 878 879 880  
881 882 883 884 885 886 889 890  
900  
**Philco** 505 506 525 536 568 573 610  
651 652 653 654 655 656 723 724  
729  
**Philips** 525 566 651 652 655 656 690  
723 724 729 770 782 824 825 826  
827 828 891 892 893 894  
**Philips Magnavox** 782 826 827 828  
829  
**Pilot** 652 658  
**Pioneer** 502 548 576 636 637 648  
652 654 708  
**Polaroid** 766  
**Portland** 505 526 573 652 653 654  
658 727  
**Price Club** 680  
**Prism** 676  
**Proscan** 645 646 650 691 725 742  
857  
**Proton** 513 519 526 536 585 627 652  
654 655  
**Pro View** 902  
**Pulsar** 501 652  
**Quasar** 508 509 651 676 698 700 860  
861 862 895 896  
**Radio Shack** 526 541 590 607 612  
645 662 683 698  
**Radio Shack/Realistic** 590 607 650  
652 654 655 657 658 683 730  
**RCA** 503 505 548 630 633 634 636  
641 645 646 648 650 651 652 653  
654 656 691 698 701 708 715 716  
725 742 749 763 776 805 830 831  
832 863 864  
**Realistic** 590 645 683  
**Runco** 501  
**Sampo** 506 519 652 654 658 698 730  
746  
**Samsung** 505 506 516 523 526 566  
573 612 627 647 652 653 654 655  
656 658 680 704 717 730 738 755  
833 858 897  
**Samwon** 620  
**Sansui** 754 834  
**Sanyo** 542 590 652 683  
**SBR** 566  
**Schneider** 566  
**Scotch** 654

## TV CODES (CONTINUED)

**Scott** 526 534 541 600 652 654 655  
657 662 682 696 701  
**Sears** 523 534 542 563 590 595 601  
604 617 627 631 635 645 646 650  
652 654 656 682 683 688 691 703  
725 726  
**Seimitsu** 627  
**Sharp** 521 526 585 605 607 628 629  
652 654 655 658 739 740 741 777  
794 803 835 836 898 913  
**Shogun** 652  
**Signature** 675  
**Silver** 573  
**Simpson** 525  
**Solavox** 612  
**Sony** 500 640 690 758 781 783 795  
796 797 798 806 807 808 810 837  
838 839 840 841 842 843 844 845  
**Soundesign** 525 536 541 627 652  
654 657 682  
**Spectricon** 520 620  
**Squareview** 694  
**SSS** 505 541 573 652 657  
**Starlite** 657  
**Supra** 523  
**SVA** 901 905  
**Sylvania** 506 525 536 566 568 569  
573 600 610 652 654 656 723 724  
729 733 756 764  
**Symphonic** 632 657 662 692 694  
846  
**Tandy** 521 605  
**Tatung** 509 651 698

**Technics** 508 676  
**Techwood** 523 573 652 654 676  
**Teknika** 504 505 512 516 523 524  
525 526 534 536 541 573 644 652  
653 654 655 657 658 662 675 680  
682 685 726 727  
**Tera** 513  
**Thomas** 627  
**Thompson** 709  
**TMK** 523 573 627 652 654  
**Toshiba** 516 590 617 631 635 680  
683 688 750 771 785 793 847 848  
849 850 851 852 853 854 855 856  
865 866 909  
**Totevision** 526 658  
**Toyomenko** 627  
**Universal** 543 690  
**Vector Research** 506  
**Victor** 557  
**Video Concepts** 570  
**Vidtech** 505 573 627 652 653 654  
**Viewsonic** 760  
**Wards** 536 573 607 645 650 652 653  
654 656 675 682 690 715 723 724  
729  
**White Westinghouse** 816  
**Yamaha** 505 506 573 652 653 654  
656  
**York** 627  
**Zenith** 501 520 639 652 675 693 775  
778 813 899  
**Zonda** 620

## VCR CODES

**Programming in AUX mode:** In most cases use these codes to program in VCR mode; if programming in AUX mode, press 1 before entering the VCR code.

**Adventura** 588  
**Aiwa** 588 622 623  
**Akai** 513 515 516 517 518 568 682  
**American High** 678  
**Amstrad** 588  
**ASA** 556  
**Asha** 675  
**Audio Dynamics** 592  
**Audiovox** 676  
**Beaumarck** 675  
**Bell & Howell** 581  
**Broksonic** 559  
**Calix** 676  
**Candle** 534 594 675 676  
**Canon** 554 678  
**Citizen** 534 591 592 594 675 676

**Colortyme** 592  
**Craig** 591 675 676  
**Curtis Mathes** 554 592 594 605 607  
675 678  
**Cybernex** 675  
**Daewoo** 534 547 559 588  
**DBX** 592  
**Dimensia** 607  
**Dumont** 549  
**Dynatech** 588  
**Electrohome** 676  
**Electroponic** 676  
**Emerson** 505 508 509 511 512 518  
534 559 568 588 590 618 676 678  
**Finlandia** 549  
**Finlux** 549 556 588



## VCR CODES (CONTINUED)

**Fisher** 549 581 584 588 610  
**Fuji** 678  
**Funai** 588  
**Garrard** 588  
**GE** 551 552 554 572 591 605 607 675 678  
**Go Video** 557 558 620  
**Goldstar** 592 594 676  
**Goodmans** 585  
**Gradiente** 588  
**Granada** 549 581  
**Grundig** 556  
**Harley Davidson** 588  
**Harmon Kardon** 568 592  
**Headquarter** 581  
**Hitachi** 536 538 539 540 588 595 597 682  
**Instant Replay** 678  
**ITT** 518  
**JC Penney** 554 581 591 592 594 595 675 676 678  
**JCL** 678  
**Jensen** 595 682  
**JVC** 561 562 581 592 594 682  
**Kenwood** 562 581 592 594 682  
**Kodak** 676 678  
**LG** 676  
**Luxor** 518  
**Lloyd's** 588  
**LXI** 676  
**M. Wards** 512 554 585 590 591  
**Maganvox** 797  
**Magnavox** 533 554 556 678 797 798  
**Magnin** 676  
**Marantz** 554 556 581 585 592 594 678  
**Marta** 676  
**Matsushita** 678  
**MEI** 554 678  
**Memorex** 533 549 554 566 581 585 588 675 676 678  
**MGA** 512 567 568  
**MGN Technology** 675  
**Midland** 579  
**Minolta** 595  
**Mitsubishi** 512 562 567 568 570 595  
**Motorola** 678  
**MTC** 544 588 675  
**Multitech** 579 588 675  
**Mutitech** 591  
**NEC** 562 581 592 594 682  
**Nikko** 676  
**Noblex** 675  
**Olympus** 678  
**Optimus** 676  
**Optonica** 585  
**Panasonic** 554 614 628 633 678 777 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 799 808 809  
**Pentax** 592 595  
**Pentax Research** 594  
**Perdio** 588  
**Philco** 554 678  
**Philips** 554 556 585 678 801 802 803 804  
**Pilot** 676  
**Pioneer** 562 574 575 576  
**Proscan** 605 607  
**Pulsar** 533  
**Quarter** 581  
**Quartz** 581  
**Quasar** 554 678 770 771 772 805 806  
**Radio Shack** 512 607 610 676  
**Radio Shack/Realistic** 581 584 588 675 676 678  
**Radix** 676  
**Randex** 676  
**RCA** 518 525 591 595 605 607 615 649 675 678 773 774 775  
**Realistic** 534 549 554 581 584 585 588 675 676 678  
**Ricoh** 502  
**Runco** 533  
**Salora** 567 581  
**Samsung** 515 517 534 579 591 675 755 807  
**Sanky** 533  
**Sansui** 544 562 682  
**Sanyo** 549 581 583 675  
**SBR** 556  
**Scott** 508 534 559 590  
**Sears** 549 581 584 595 610 676 678  
**Sharp** 512 585 595 607  
**Shintom** 595  
**Shogun** 675  
**Singer** 678  
**Sony** 500 501 502 768 778  
**STS** 678  
**Sylvania** 554 556 567 588 678 756  
**Symphonic** 588 594  
**Tandy** 581 588  
**Tashiko** 676  
**Tatung** 594 682  
**Teac** 588 594 682  
**Technics** 554 633 678  
**Teknika** 554 588 676 678  
**TMK** 675  
**Toshiba** 534 535 567 584 590 769 776  
**Totevision** 591 675 676

## VCR CODES (CONTINUED)

<b>Unitech</b> 675	<b>Wards</b> 534 588 595 675 676 678
<b>Vector Research</b> 534 592	<b>XR-1000</b> 588 678
<b>Victor</b> 561 562	<b>Yamaha</b> 581 592 594 682
<b>Video Concepts</b> 534 568 592	<b>Zenith</b> 500 501 533 779
<b>Videosonic</b> 591 675	

## DVD PLAYER CODES

**Programming in AUX mode:** In most cases use these codes to program in VCR mode; if programming in AUX mode, press 1 before entering the DVD Player code.

<b>Aiwa</b> 634 694	<b>Norcent</b> 711
<b>Alpine</b> 653	<b>Oritron</b> 723
<b>Apex</b> 654 655 744 757 835 839	<b>Panasonic</b> 639 663 699 714 715 716 734 765 813 840 841 855 856 868 869 870 871 872 873 882
<b>Archos</b> 885	<b>Philips</b> 766 874
<b>BOSE</b> 758 811	<b>Pioneer</b> 665 719 812 876 877 878 879 880
<b>Broksonic</b> 656 752	<b>Proscan</b> 720
<b>Clarion</b> 696	<b>Qwestar</b> 723
<b>Classic</b> 695	<b>RCA</b> 666 690 749 816 842 854
<b>CyberHome</b> 833	<b>Sampo</b> 724
<b>Cytron</b> 904	<b>Samsung</b> 652 667 668 691 705 740 741 820 821 844 845 866 875 881
<b>Daewoo</b> 657 859	<b>Sansui</b> 725 754
<b>Denon</b> 697 699 700	<b>Sanyo</b> 643
<b>EchoStar</b> 722	<b>Sharp</b> 669 865
<b>Emerson</b> 658	<b>Sony</b> 617 645 670 671 729 730 731 817 818 830 831 832 836 837 838 843 847 848 849 851 852 853 857 858 864 883 884
<b>Fisher</b> 659	<b>Sylvania</b> 658 764 829
<b>Funai</b> 658	<b>Teac</b> 732
<b>GE</b> 702 703	<b>Technics</b> 733
<b>Go Video</b> 692 693 822	<b>Techwood</b> 664
<b>GPX</b> 704	<b>Toshiba</b> 616 646 672 735 736 814 815 819 825 826 827 828 834 846
<b>Hitachi</b> 660 668 705 706 707 740 823 860	<b>Yamaha</b> 737 739
<b>JVC</b> 689 711 850 861 862 863	<b>Zenith</b> 673 824
<b>Konka</b> 637 638 753	
<b>Koss</b> 745	
<b>Magnavox</b> 661	
<b>Memorex</b> 709	
<b>Mintek</b> 710	
<b>Mitsubishi</b> 767 867	

## TUNER/AMPLIFIER CODES

**Programming in AUX mode:** Press 2 before entering the tuner/amplifier code.

<b>Aiwa</b> 636 641 656 687 718 720 725 726	<b>Fisher</b> 653
<b>BOSE</b> 761 780	<b>GE</b> 711
<b>Carver</b> 653	<b>Goldstar</b> 677 690
<b>Citizen</b> 709	<b>Harmon Kardon</b> 640 672 751
<b>Denon</b> 647 674 759 760 762 807 809 814 835	<b>Hitachi</b> 717
	<b>JBL</b> 640

### **TUNER/AMPLIFIER CODES (CONTINUED)**

<b>JVC</b> 637 703 725 786 827	<b>Quasar</b> 652
<b>Kenwood</b> 676 691 726 728 774 795 828 829 830 831 832 840 842	<b>RCA</b> 635 638 704 727
<b>Magnavox</b> 654 705	<b>Sharp</b> 712 713 714 715
<b>Marantz</b> 651 764 845	<b>Sherwood</b> 646 670
<b>Nakamichi</b> 671	<b>Sony</b> 639 645 687 728 729 730 765 766 769 771 773 775 776 777 778 781 782 784 787 789 793 794 803 811 812 813
<b>NEC</b> 716	<b>Soundmatters</b> 763
<b>Onkyo</b> 642 660 662 678 785 788 790 791 792 796 801 846	<b>Teac</b> 684
<b>Optimus</b> 648 664	<b>Technic</b> 652
<b>Panasonic</b> 643 644 652 783 797 798 799 808 810 815 816 817 818 819 820 821 822 824 825 826 833 836 837 838 839	<b>Technics</b> 643 644 652 768 804 805 843
<b>Pioneer</b> 667 668 679 702 767 770 772 779 802 806 844	<b>Toshiba</b> 710
<b>Proton</b> 654 705	<b>Victor</b> 703
	<b>Yamaha</b> 663 730 731 732 733 823 834 841

### **TV/VCR COMBO CODES**

**Programming for combination equipment:** Program the remote control in TV mode using the TV code and then in VCR mode using the VCR code.

	TV Code	VCR Code
<b>Magnavox</b>	887	797
	888	798
<b>Philips</b>	891	801
	892	802
	893	803
	894	804
<b>Quasar</b>	860	770
	861	771
	862	772
	895	805
	896	806
<b>RCA</b>	863	773
	864	774
<b>Samsung</b>	755	755
	897	807
<b>Sylvania</b>	756	756

### **TV/DVD COMBO CODES**

**Programming for combination equipment:** Program the remote control in TV mode using the TV code and then in VCR mode (or AUX - press 1 before entering the DVD code) using the DVD code.

	TV Code	DVD Code
<b>Apex</b>	757	757
<b>Broksonic</b>	752	752
<b>Cytron</b>	904	904
<b>Panasonic</b>	734	734
	765	765
<b>RCA</b>	749	749
<b>Sansui</b>	754	754
<b>Sylvania</b>	764	764
<b>Toshiba</b>	865	814
	866	815

### **TV/VCR/DVD COMBO CODES**

**Programming for combination equipment:** Program the remote control in TV mode using the TV code, then in VCR mode using the VCR code, and then DVD in AUX mode (press 1 before entering the DVD code) using the DVD code.

	TV Code	VCR Code	DVD Code
<b>Panasonic</b>	900	810	882

### **TV/VCR/TUNER COMBO CODES**

**Programming for combination equipment:** Program the remote control in TV mode using the TV code, then in VCR mode using the VCR code, and then tuner in AUX mode (press 2 before entering the tuner code) using the tuner code.

	TV Code	VCR Code	Tuner Code
<b>Panasonic</b>	867	796	797
	868	799	798
	869	808	799
	870	780	839
	871	781	838
	872	782	837

*Table continues on next page*

**TV/VCR/TUNER COMBO CODES (CONTINUED)**

	TV Code	VCR Code	Tuner Code
<b>Panasonic</b>	873	783	836
	874	784	833
	875	785	826
	876	786	825
	877	787	824
	878	788	822
	879	789	821
	880	790	820
	881	791	819
	882	792	818
	883	793	817
	884	794	816
	885	795	815
	889	809	808

**VCR/DVD COMBO CODES**

**Programming for combination equipment:** Program the remote control in VCR mode using the VCR code, and then DVD in AUX mode (press 1 before entering the DVD code) using the DVD code.

	VCR Code	DVD Code
<b>Go Video</b>	No Code	692
	No Code	693
	No Code	822
<b>JVC</b>	No Code	689
<b>RCA</b>	No Code	690
<b>Samsung</b>	No Code	667
	No Code	691
	No Code	820
<b>Sony</b>	No Code	821
	778	817
	No Code	818
	768	No Code
<b>Toshiba</b>	No Code	819
<b>Zenith</b>	779	No Code

## TROUBLESHOOTING

What's Happening	What's Wrong	What You Can Do
While doing remote control procedure, the remote control stops working.	<ul style="list-style-type: none"> <li>If you don't press a button for 20 seconds in a programming sequence, the remote shuts off its programming function.</li> </ul>	Start over again.
When you press a button on the remote control, the equipment doesn't do what you expect.	<ul style="list-style-type: none"> <li>Maybe you didn't set the remote to the mode for the equipment you want to control.</li> <li>Maybe you're not pointing the remote control right at the TV (or other equipment).</li> <li>Maybe the remote control is missing batteries, maybe you put the batteries in the remote the wrong way, or maybe the batteries are weak or dead.</li> <li>Maybe you didn't set up the remote to control the equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Press the correct mode button to set the remote to the mode for the equipment you want to control.</li> <li>The remote control uses IR signals to control all equipment except for the receiver (when using UHF). IR signals travel only 40 feet or less, and can't go through walls or other solid objects. You must point the remote control right at the equipment, with no objects to block the signal path.</li> <li>If the batteries are missing or dead, put fresh AAA-size batteries in. If the remote has fresh batteries, check whether you put them in the right way. If you didn't, take them out and put them in the right way.</li> <li>Make sure you set up the remote to control all the equipment you want to use. See <i>Program the Remote to Control Your TV</i> on page S-2 and <i>Programming for Other Equipment</i> on page 2.</li> </ul>

What's Happening	What's Wrong	What You Can Do
Your picture is snowy (or blue or black).	<ul style="list-style-type: none"> <li>• You have accidentally changed the channel on your TV.</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure your TV (and VCR, if connected) is tuned to the correct channel. Also try using the Recover button as described on page S-3, <i>If You Lose Your Picture (How to Use the Recover Button)</i>.</li> </ul>
Your remote control isn't working	<ul style="list-style-type: none"> <li>• The remote control is in the wrong mode.</li> <li>• You might be using the wrong remote control (TV1 or TV2).</li> <li>• Your batteries are worn out.</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure the remote control is in the correct mode. For example, if you want to use the satellite receiver, put the remote control in SAT mode (see <i>Remote Control Modes</i> on page 1).</li> <li>• Make sure you are using the correct remote control (TV1 or TV2) for your locations (multi-room receivers only).</li> <li>• Change the batteries as described on page S-1 in <i>Insert the Batteries</i>.</li> </ul>
When you press the remote control Mute or Volume button, nothing happens.	<ul style="list-style-type: none"> <li>• Maybe you have not set up the remote control.</li> <li>• Maybe you're trying to control TV volume but you set up the remote to control a tuner or amplifier in AUX mode.</li> </ul>	<ul style="list-style-type: none"> <li>• See <i>Program the Remote to Control Your TV</i> on page S-2 at the beginning of this guide and <i>Programming for Other Equipment</i> on page 2.</li> <li>• Set up the remote to control either TV volume or tuner/amplifier volume, whichever you want. See page 7.</li> </ul>
Your PIP (Picture-In-Picture) button isn't working.	<ul style="list-style-type: none"> <li>• Your receiver doesn't use PIP.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgrade to a receiver with this feature.</li> </ul>

## LIMITED WARRANTY



This Limited Warranty is a legal document. Keep it in a safe place. Remember to keep your Sales Receipt for warranty service. We will consider any items you return without a copy of the Proof of Purchase to be out of warranty.

This warranty extends only to the original user (“you,” “your”) of the DISH Network remote control and is limited to the purchase price of the remote control. DISH Network 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 equipment; 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.



## ***DISH NETWORK'S EXCHANGE PROGRAMS***

DISH Network offers two options if you need to replace your remote control: the Advanced Exchange Program and the Post Receipt Exchange Program.

### **Advance Exchange Program**

The Advanced Exchange Program allows you to have a replacement remote shipped immediately to you. Depending upon where you live, the remote should arrive within 3 to 5 business days. You will not have to return your defective remote to DISH Network using this program.

A shipping charge will be applied for shipping the replacement remote. This is a one-time fee based on DISH Network's competitive bulk shipping rates (additional charges may apply outside the continental U.S.). This fee will be charged to your billing account or valid credit card.

### **Post Receipt Exchange Program**

The Post Receipt Exchange Program does require that you send DISH Network the defective remote control at your cost to determine if the equipment is covered under warranty. To provide faster service, upon receipt of your equipment you will be shipped a replacement. Your original equipment will not be available for return.

If your equipment is not covered under 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 DISH Network 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. See *Troubleshooting* on page 20.
3. Call the Customer Service Center at 1-800-333-DISH (3474). Have the date of purchase and your customer account number ready.
  - a. If the representative finds you should return the remote control, you'll 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.
  - b. You must package returned equipment the right way. Follow the instructions the representative gives you.
  - c. 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 cost.

- d. 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.

## REGULATORY FACTORS

This device complies with Part 15 of 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.

Changes or modifications to this device may void your authority to operate this 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 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 use is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient 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.

## PUBLISHING INFORMATION

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You should address comments or questions about this User Guide to: [techpubs@echostar.com](mailto:techpubs@echostar.com) or

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**Notes:**

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# Reference Tables

Write down your remote address, channel numbers/inputs, TV, VCR, DVD player, and stereo equipment codes as you program them for future reference.

Remote Address



Channel or Input for Satellite Programming



TV Code

(Optional)



VCR/DVD Player Code

(Optional)



Auxiliary Equipment Code

(Optional)

If you enter a "1" as the last number of your code, your remote is in Limited Mode (see page 3 for more details).

To read out your remote codes, see page 9 for instructions.



**For all your customer needs,  
call the Customer Service Center  
at 1-800-333-DISH(3474)**

**167821**