

Remote User Guide



dish

Safety Instructions

You must keep safety in mind while using this device. Keep these and any other instructions for future reference.

Observe Warnings: Carefully follow all warnings on the device and in the operating instructions.

Heat: Do NOT place the device near heat sources such as radiators, stoves, heat registers, or other appliances that produce heat.

Care and Use

Cleaning: Do NOT use liquid, abrasive, solvent, or aerosol cleaners. Use a damp cloth for cleaning.

When Not in Use: Remove the batteries if this device is to be left unattended or unused for a long period of time.



Refer servicing to qualified personnel when a solid object or liquid has fallen onto or into the device.



Do NOT attempt to service this device. Refer all servicing to qualified personnel. Opening covers other than the battery cover will void the warranty.

Publishing Information

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Configuring the 5.4 Remote

The 5.4 remote does not require any configuration.
Go to *Insert the Batteries* (page 4).

Configuring the 6.4 Remote

Complete the following steps to configure the 6.4 remote.

Selecting the Remote Key

- 1 Confirm your receiver model and select the right key.

Look on both key sides to find the right key.




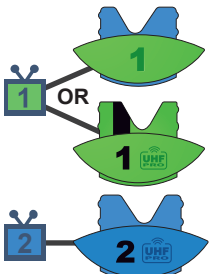















RECEIVERS	KEYS
<p>ViP®722 DVR</p> 	 <p>IR</p> <p>UHF</p> <p>UHF</p>
<p>ViP®222 and ViP®622 DVR</p> 	
<p>ViP®612 DVR</p> 	
<p>DISH 811</p> 	

Table continued on next page

Configuring the 6.4 Remote, continued

Selecting the Remote Key, continued

- 1** Confirm your receiver model and select the right key, continued.

RECEIVERS	KEYS
<p>DISH 411 and ViP®211</p>  <p>ViP®211k</p> 	
<p>DISH Player-DVR 522 and DISH Player-DVR 625</p> 	<p> IR</p> <p> UHF</p> <p>OR</p> <p> UHF</p>
<p>DISH 512 DVR</p> 	
<p>DISH 501, DISH 508, and DISH Player-DVR 510</p> 	

Configuring the 6.4 Remote, continued

Selecting the Remote Key, continued

2



Decide if the remote is being used for TV1 or TV2. If it is being used for TV1, determine whether to use IR or UHF signals for the remote. Use UHF signals if you do not have a clear line of sight between the remote and the receiver.

Pull the remote battery cover off.

3



If your remote shows a “1” or a “2” on the bottom, you can pull out this key and flip it to the other number (2 to 1 and 1 to 2). To separate the key from the remote, insert your thumbnail or a coin in the crease at the bottom of the remote.

4



Remove the key by grasping at the bottom.

5



Insert the key you wish to use to designate the remote and slide into place. Usually a 1 = TV1 and a 2 = TV2. Use the green 1 (no UHF Pro markings) for TV1 IR. Use the green 1 UHF Pro for TV1 UHF.

Continue to
Insert the Batteries on page 4.

Insert the Batteries

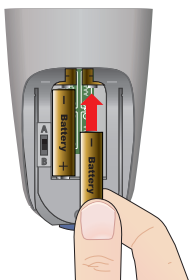
1



Pull the remote battery cover off.



2



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

3



Replace the remote battery cover.



Making 5.4 and 6.4 IR Remote Work with Receiver

For 5.4 and 6.4 IR

Use the following instructions to configure your remote while using IR signals.



1



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

2



Confirm that you see the **System Info** screen.

3



Press **RECORD** on your remote. The receiver then matches the remote's address.

4



Confirm that your remote operates your receiver by pressing remote buttons.

If this is not working, return to step 3.

Making 6.4 UHF Remote Work with Receiver

For 6.4 UHF

Use the following instructions if you have configured your remote to use UHF signals.

1



If you installed one of these keys, continue to step 2.



If you installed this key, continue to page 10, *Making the 6.4 UHF Remote Work with DISH-Player DVR 522 and DISH-Player DVR 625 Receivers.*

2



Verify the UHF antenna is installed on the back of the receiver.

3

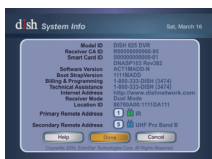


Turn your receiver and TV on, and press SYSTEM INFO on the front of the receiver.

Making 6.4 UHF Remote Work with Receiver, continued

For 6.4 UHF, continued

4



Confirm that you see the **System Info** screen.

5



Press **RECORD** on your remote. The receiver then matches the remote's address.

6



Confirm that your remote operates your receiver by pressing remote buttons. If your remote has a blue number 2 key, you may need to confirm your remote operates the receiver for **2**. If this is not working, return to step 5.

Changing the UHF Frequency for the ViP222, ViP622, and ViP722

Only for ViP222, ViP622, and ViP722 Receivers



Only use this procedure if you are using two UHF remotes. All other receivers must use Band A position or the remote does not control the receiver.

Your remote has a switch to change the UHF frequency. The remote comes preset to the Band A position. You can change the setting to the Band B position to reduce the possibility of another UHF remote interfering with your UHF remote.

1



Pull the remote battery cover off.

2



Use a small screwdriver or a paperclip to carefully change the remote frequency from the Band A position to the Band B position.

3



Replace the remote battery cover.

Changing the UHF Frequency for the ViP222, ViP622, and ViP722, continued

4



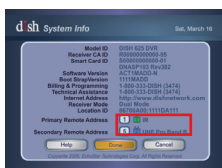
Press SYSTEM INFO on the front of the receiver.

5



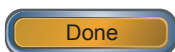
Press RECORD on the remote control.

6



Verify the remote address on the **System Info** screen shows the correct band information:

- **Band Position A:**
IR/UHF Pro Band A
- **Band Position B:**
IR/UHF Pro Band B



Press DONE or VIEW LIVE TV to close.

OR

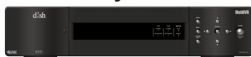


Making the 6.4 UHF Remote Work with DISH-Player DVR 522 and 625 Receivers

Only For DISH-Player DVR 522 and DISH-Player DVR 625 Receivers

Use the following instructions if you are using the green number 1 UHF key to control TV1.

DISH Player-DVR 522 and
DISH Player-DVR 625



1



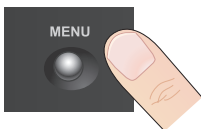
Verify the correct key is installed. Verify the key is green, has no stripe, and includes the UHF Pro symbol.

2



Verify the UHF antenna is installed on the back of the receiver.

3



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

4



Select the **System Setup** screen.

5



Then select the **Installation** screen.

Making the 6.4 UHF Remote Work with DISH-Player DVR 522 & 625 Receivers, con't.

6



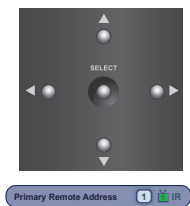
Select the **TV1 UHF Pro Setup** screen and select **Enable**.

7



Select **System Info** and confirm that you see the **System Info** screen.

8



Use the ARROW buttons to highlight the **1 Rem Addr** box.

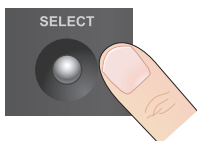
Note: If you do not move the highlight, the remote changes the receiver's **2 Rem Addr** box and causes the remote to control the TV2 side of the receiver.

9



Press the RECORD button on the green TV1 remote control. If you receive a warning to pick another remote address, continue to the next step. If no warning appears, go to step 16.

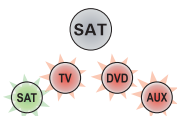
10



Select OK on the front of the receiver to clear the warning message and return to the **System Info** screen.

Making the 6.4 UHF Remote Work with DISH-Player DVR 522 & 625 Receivers, con't.

11



Press and hold the SAT Mode button until all Mode buttons light up. Release the SAT Mode button. The SAT Mode button flashes.

12



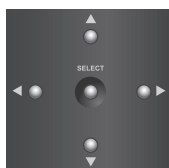
Use the NUMBER PAD to enter a number (between 1 and 16) that is different from the address shown for TV2. Write down the TV1 address that is shown. _____

13



Press and release POUND (#). The SAT Mode button flashes three times.

14



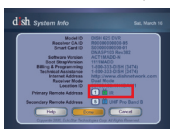
Use the ARROW buttons to highlight the **1 Rem Addr** box.

15



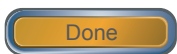
Press RECORD.

16



Verify the **System Info** screen shows UHF and the current remote address.

17



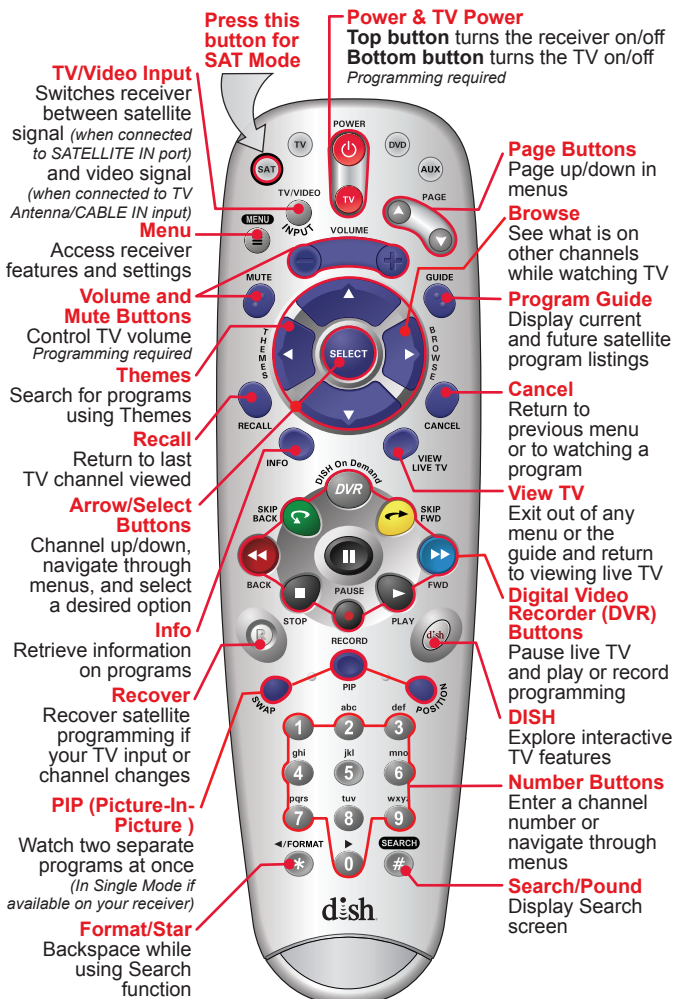
Select **Done** to close the **System Info** screen. If nothing happens, use the front panel buttons to highlight the **1 Rem Addr** box. Press the RECORD button and select **Done**.

SAT Mode

SAT

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

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



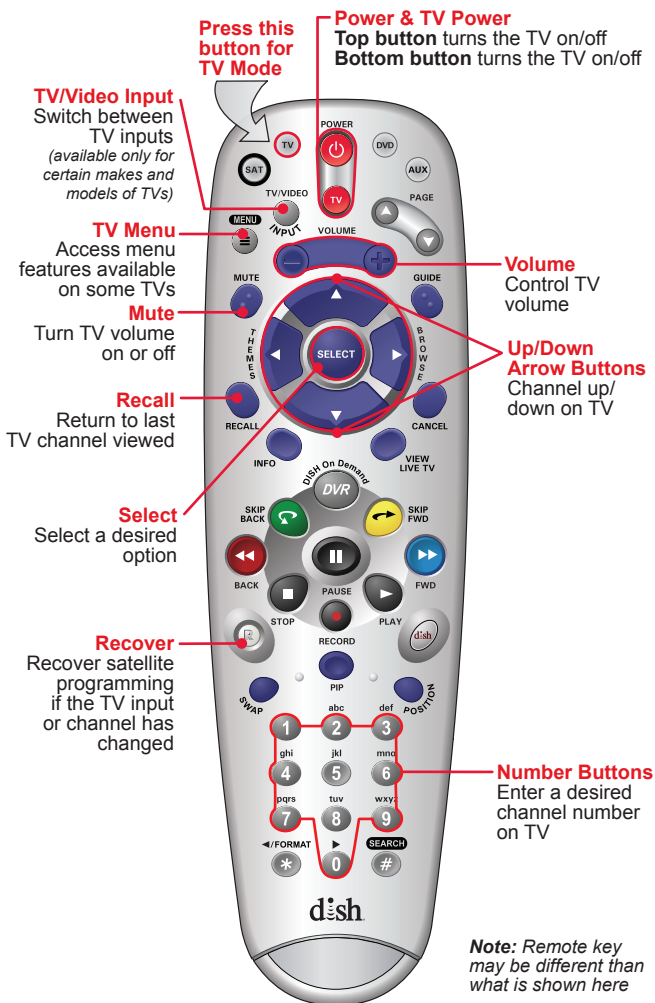
Note: Remote key may be different than what is shown here

TV Mode

TV

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.

Note: Some features may not be available depending on your receiver model or TV device code.



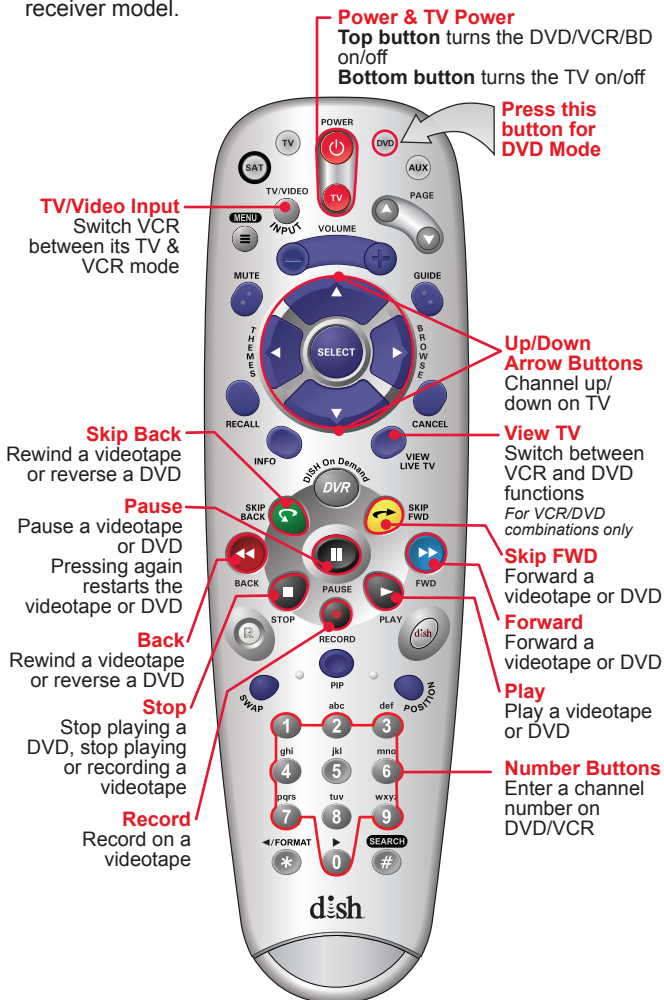
Note: Remote operation is different on DISH TVs. See your DISH TV User's Guide for proper operation.

DVD/VCR Mode

DVD

To use the features described in this section, make sure you are in DVD mode by pressing the DVD Mode button. You can use this mode to operate a Blu-ray Disc™ player or VCR. Remote programming is required.

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



Note: Remote key may be different than what is shown here

Programming Remote to Control Another Device

Entering a Code

1



Turn the device and receiver on.

2



Find the brand name of the device listed in the code tables that start on page 32.

3



Press and hold the correct Mode button until all Mode buttons light up. Release the Mode button. Mode button lights flash.

For AUX Mode only



Press

- 0 for second TV
- 1 for a second DVD/VCR/BD
- 2 for a tuner, amplifier, or audio receiver
- 3 for a second satellite receiver

Programming Remote to Control Another Device

Entering a Code, continued

4



Enter one of the three-digit device codes from the table, found in step 2, using buttons on the number pad, such as device code 560. Press 1 after the device code if you want to program Limited Mode. See *Placing Remote in Limited Mode and Removing Limited Mode* on page 21 for more information.

5



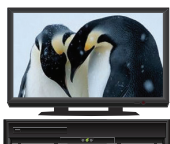
Press POUND (#). The Mode button flashes three times.

6



Press POWER to test if the code works for the device. If it does, the device turns off.

7



Turn device on and try other buttons to make sure the device responds the way you expect. If you want to try another code, begin from Step 1 again.

8



If you are unable to find a code that works, try the instructions for *Scanning the Remote Database* on page 18.

Programming Remote to Control Another Device

Scanning the Remote Database

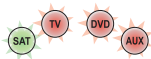
Note: Only use *Scanning the Remote Database* if you were unable to find a code using *Entering a Code*. This procedure can take several minutes.

1



Turn the device and receiver on.

2



Press and hold the correct Mode button for the device until all Mode buttons light up. Release the Mode button. The Mode button flashes. If programming TV or DVD Mode buttons, go to step 4. If programming AUX Mode button, continue to step 3.

3



For AUX Mode only

Press

- 0 for second TV
- 1 for second DVD/VCR/BD
- 2 for tuner, amplifier, or audio receiver

Press the STAR (*) button.

◀/FORMAT



4

POWER



Press POWER.

Programming Remote to Control Another Device

Scanning the Remote Database, continued

5



Pointing the remote at the device the entire time, press and release UP ARROW slowly. The Mode button light goes out and comes back on. When the device turns off, continue to Step 6. If the device remains on, continue pressing UP ARROW. When all codes have been tried, the Mode button flashes eight times.

6



Press and release POUND (#). The Mode button flashes three times.

7

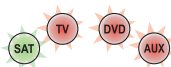


Turn the device on and try other buttons to make sure the device responds the way you expect. If not, try another code by returning to Step 1.

Displaying Device Code and Remote Address

To identify the device code that your remote control is using or to display the remote control address, complete the following steps:

1



Press and hold the Mode button for the device until all the Mode buttons light up. Release. The selected Mode button flashes. To display the remote control address, press and hold the SAT Mode button until all the Mode buttons light up. Release. SAT flashes.

2



Press and release POUND (#) twice.

3



The Mode button flashes a number of times corresponding to the value of the stored device code. If Limited Mode is used, the last flash represents Limited Mode. For example, if the stored device code is 593, the Mode button flashes five times, pauses, flashes nine times, pauses, and flashes three times. A quick flash is for zero.

If SAT was pressed to display the remote address, the SAT Mode button flashes 1 to 16 times, giving the remote address.



For AUX mode: The first group of flashes tells you what the AUX mode controls, then the following flashes tell you each digit of the device's code.

- 0 for second TV
- 1 for second DVD/VCR/BD
- 2 for tuner, amplifier, or audio receiver

4



(Optional)

Record the stored device code in the Reference Table on the inside back cover.

Placing Remote in Limited Mode and Removing Limited Mode

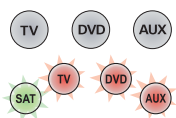
Limited Mode locks out all the device mode operations except for the device's Power, Mute, and Volume. This prevents you from accidentally tuning away from satellite programming.




If TV Mode is put into Limited Mode, this means that when the TV Mode button is pressed, the remote does not stay in TV Mode but returns to the last Mode selected.

To place the remote in Limited Mode or to remove Limited Mode from TV Mode, follow the steps below.

Note: Limited Mode cannot be used with audio amplifiers.

1



Press and hold the TV , DVD , or AUX  Mode button until all Mode buttons light up.

2



Press PAGE UP to activate.

Press PAGE DOWN to take the remote out of Limited Mode.

3



Press POUND (#).

SAT Auto-Tune

SAT Auto-Tune programs into the remote control the correct TV channel used for watching TV. If you are experiencing fuzzy, snowy, blue, or black screens, it might be due to the TV being set to the wrong channel. Using the SAT Auto-Tune feature helps prevent these screen issues from occurring on TVs connected to the receiver's modulated output (usually TV2). Use SAT Auto-Tune to program the correct TV channel for satellite viewing into the remote control. When SAT is pressed and released, the remote sends that channel to the TV, ensuring that the TV is on the correct channel for watching TV.

This feature is enabled by default; however, if you want to use this feature, the channel must be programmed by following the steps in *Setting SAT Auto-Tune Channel*.

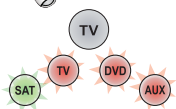
Setting SAT Auto-Tune Channel

1



Make sure the remote control operates your TV.

2



Press and hold TV until all four Mode buttons are lit.

3

◀/FORMAT



Press STAR (*).

4



Enter the channel used for viewing (two or three digits in range of 002 to 125), for example channel "10" or "010."

5

SEARCH



Press POUND (#). The Mode button flashes three times to indicate programming was successful.

6

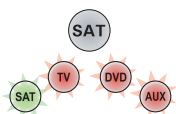


Press SAT. The channel changes.

Enabling and Disabling SAT Auto-Tune

Note: SAT Auto-Tune is enabled by default; however, the channel must be set (see *Setting SAT Auto-Tune Channel* on page 22).

1



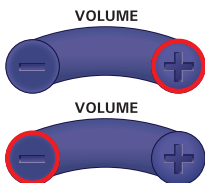
Press and hold SAT until all four Mode buttons are lit.

2



Press STAR (*).

3



Press VOLUME UP to enable SAT Auto-Tune or VOLUME DOWN to disable.

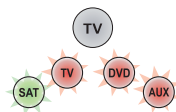
4



Press POUND (#). SAT flashes three times to indicate SAT Auto-Tune is enabled or disabled.

Removing SAT Auto-Tune Channel

1



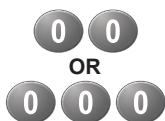
Press and hold the TV Mode button until all four Mode buttons are lit.

2



Press STAR (*).

3



Enter 00 or 000.

4



Press POUND (#). TV Mode button flashes three times to indicate SAT Auto-Tune has been removed.

Setting Auto-Tune for DVD/VCR

You can set Auto-Tune for your DVD and/or VCR. Auto-Tune allows you to return to the channel for your DVD/VCR output when you accidentally change the channel or video input.

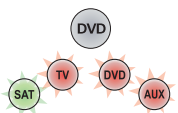
Note: This feature is only used while recovering your picture. See *Recovering your Picture* on page 26.

1



Make sure the remote control operates your DVD/VCR.

2



Press and hold DVD until all four Mode buttons are lit.

3



Press STAR (*).

4



Enter the channel used for viewing (two or three digits in range of 002 to 125), for example channel "03" or "004."

5

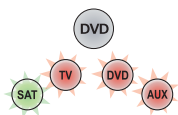


Press POUND (#). The DVD Mode button flashes three times to indicate programming was successful.

Removing Auto-Tune for DVD/VCR

If you want to remove Auto-Tune for your DVD and/or VCR, follow the steps below.

1



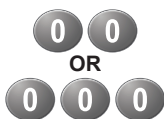
Press and hold DVD until all Mode buttons are lit.

2



Press STAR (*).

3



Enter 00 or 000.

4



Press POUND (#).

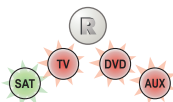
Recovering Your Picture



Use the RECOVER button to return to watching satellite programming if you accidentally change channels or inputs on your TV, DVD, and/or VCR. To best use this feature, you must set up SAT Auto-Tune for your TV (see page 22) and for your DVD/VCR (see *Setting Auto-Tune for DVD/VCR* on page 24).

Note: RECOVER only works if the remote control has been set up to control the TV and/or DVD/VCR, if connected. If the RECOVER button is used, the TV channel programmed for SAT Auto-Tune is also the channel that is sent to the TV. If SAT Auto-Tune is not programmed, RECOVER first tries to tune your TV to channel 3, then channel 4, and then other video inputs with each press of the RECOVER button. If SAT Auto-Tune is programmed, RECOVER tries to tune your TV to the channel given in SAT Auto-Tune and then other video inputs with each press of the RECOVER button. You may need to press the RECOVER button up to 30 times to recover your satellite TV video. If SAT Auto-Tune is not set up, RECOVER only tries channels 3 and 4.

1



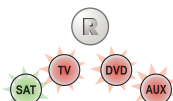
Press and hold RECOVER until all Mode buttons light up.

2



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

3



Press RECOVER again and 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 see the **System Info** screen.

4

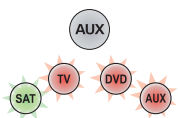


Press SELECT to resume watching TV.

Control Amplifier Volume

When the remote control is set up to operate your TV, the MUTE and VOLUME buttons adjust your TV volume when in SAT mode. To use the remote to adjust the volume of a remote-controllable audio receiver or amplifier instead of adjusting the TV's volume setting, use the steps on this page.

1



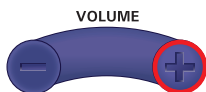
Press and hold AUX until all Mode buttons are lit, then release it. The AUX mode button flashes.

2



Press POUND (#).

3



Press the plus (+) side of the VOLUME button.

4



Press the 0 number button.

5



Press POUND (#). The AUX mode button flashes three times.

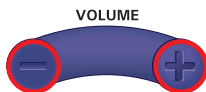
Make sure the remote adjusts the amplifier's volume in other modes:

6



Press SAT.

7



Press the plus (+) and minus (-) sides of the VOLUME button.

8



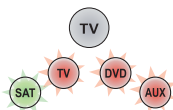
Your tuner/amplifier's volume changes, and the AUX mode button lights.

Control TV Volume

Use this procedure to change from having the remote adjust the volume of an audio receiver or amplifier to having the remote adjust the TV's volume. When the remote control is set up to operate your TV, the MUTE and VOLUME buttons adjust your TV volume when in SAT mode.

Note: It is only necessary to do these steps if the remote had been set up to control the volume on an audio device and now you want the remote to adjust the volume of a TV.

1



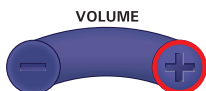
Press and hold TV until all Mode buttons are lit, then release it. The TV mode button flashes.

2



Press POUND (#).

3



Press the plus (+) side of the VOLUME button.

4



Press the 0 number button.

5



Press POUND (#). The TV mode button flashes three times.

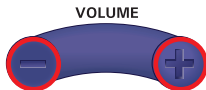
Make sure the remote adjusts the TV's volume in other modes:

6



Press SAT.

7



Press the plus (+) and minus (-) sides of the VOLUME button.

8



Your TV's volume changes, and the TV mode button lights.

Programming Remote to Control Second Receiver in AUX Mode

If you have another DISH receiver installed, you can use this remote control in AUX mode to operate your new receiver. AUX mode uses only IR signals, so the line of sight from the remote to the second receiver must be unobstructed. You can program the remote control to operate any other DISH receiver except where UHF is used, such as TV2 on DISH receivers.

1



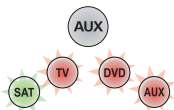
Turn on the second receiver and open **System Info** screen.

2



Write down the TV1 address that is shown. _____

3



Press and hold AUX until all Mode buttons light up, then release the button. AUX flashes.

4



Use the Number Pad on the remote control to enter a 3, followed by the address in step 2.

5



Press POUND (#). AUX flashes three times.

6



Press RECORD to verify that the address in the remote control now matches the address for the receiver.

Discrete Codes

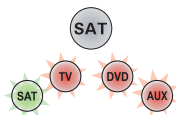
Discrete On and Off IR-only remote-control commands are used by installers when programming macro commands into universal remotes. Using an On-only or Off-only command is more effective than a toggle On/Off command when trying to ensure the receiver is reliably in one state or the other.

1



Program the DISH remote to the desired remote address (see *Changing the Remote and Receiver Address*, page 31).

2



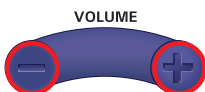
Hold SAT until all Mode buttons light, then release.

3



Press POWER (not TV POWER).

4



Press VOLUME UP for discrete power on. Press VOLUME DOWN for discrete power off.

5



Press any other button to end this procedure.

Changing the Remote and Receiver Address

Sometimes the receiver picks up UHF interference from another receiver in the house or even a neighbor's. If you notice that your receiver is changing channels or opening menus but you are not using the remote control, changing the address should fix the problem.

1



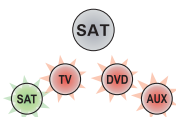
Press **SYSTEM INFO** on the receiver's front panel.

2



Write down the TV2 remote address shown on the **System Info** screen.

3



Press and hold **SAT** on your remote control, until all the Mode buttons light up, and then release SAT.

4



Add one to the address that you wrote down in step 2, and use the **NUMBER PAD** to enter that number (between 1 and 16).

5



Press **POUND (#)**.

6



Press **RECORD**.

7



Press several buttons on the remote to make sure it is working as expected.

TV Codes

TV

This table contains the manufacturer codes for programming the remote control to operate your TV. If your TV brand is not listed or if the codes do not work, the remote may not control your TV. In some cases, codes may operate some, but not all buttons, shown in this guide.

Note: If programming a second TV in AUX mode, press 0 before entering the TV code.

Abex 730	Curtis Mathes 506 516 526
Action 662	573 590 641 645 650 652 654
Admiral 521 605 675	658 680 683 703 708
Aiko 727	CXC 541 657 662
Akai 570 573 906 907 908	Cyton 903 904
Alleron 682	Daewoo 505 524 526 529 530
A-Mark 620	531 573 630 652 653 654 658
Amtron 657	684 698 719 727 816
Anam National 509 541 620	Daytron 526 627 652 654 658
651 657 698	Dell 772 773 774
AOC 505 506 519 520 573 620	Dimensia 645 650
627 652 653 654	Dixi 566 620
Apex 743 744 745 757 814	Dumont 501 627 652
815	EchoStar 722
Archer 620	Electrohome 526 573 651 652
Audiovox 620 657 662	654 656 709 728
Baycraft 536	Emerson 526 534 536 541 573
Belcor 652	590 627 636 642 648 652 654
Bell & Howell 590 675 683	655 657 658 662 682 683 692
Bradford 657	696 699 720 816
Brockwood 627 652	Envision 506 573 652 654
Broksonic 562 748 752	Fisher 542 590 683
Candle 506 523 525 536 627	Fortress 573
652 654	Fujitsu 534 682 694
Candle/Citizen 573	Funai 534 541 657 662 682
Capehart 519 627	694
Circuit City 627	Futuretech 541 657 694
Citizen 506 516 523 524 525	General Electric 508 509 543
526 590 652 654 657 658 680	544 627 630 645 646 650 651
727	652 654 676 690 691 698 701
Colortyme 573 627 652 654	715 716 725 728 742 779 809
Concerto 523 652 654	859
Contec/Cony 541 655 657	Gibraltar 501 652
662 726	Goldstar 505 523 526 545 546
Craig 536 541 657 662 694	566 573 652 653 654 655 656
Crown 526 536 657	658 693 730

Table continued on next page

TV Codes, continued

TV

Granada 627	Magnavox 506 520 525 536
Grand 627	566 567 568 573 610 652 654
Grunpy 657 682	656 723 724 729 762 818 887
Hallmark 627 652 654	888
Harman/Kardon 561	Majestic 675
Harvard 657	Marantz 506 566 573 652 654
Hinari 534	Megatron 627 654
Hisense 759	Memorex 590 627 653 654
Hitachi 523 526 548 549 553	675 683 720
554 555 585 597 626 636 638	MGA 504 505 506 542 571 573
643 648 652 654 655 702 718	627 652 653 654 656 728
726 786 788 789 790 791 792	Midland 501 646 658 676 725
801 802	730
HP 911 912	Mitsubishi 504 505 542 570
IMA 657	571 572 573 597 623 627 652
Infinity 566	653 654 656 705 728 787 799
JBL 566	804
JC Penney 505 506 516 525	Mitsui 769
526 543 546 631 645 646 650	Montgomery Ward 500 505
652 653 654 658 676 680 690	506 534 543 567 568 675
691 701 725 726 728 730	Motorola 521 605 651
Jensen 556 573 652 654	MTC 505 506 516 523 573 627
JVC 508 557 559 642 649 655	652 653 654 680
676 726 735 736 737 812 817	Multitech 657
Kawasho 548 561 573 652 654	NAD 502 617 627 631 635 637
Kenwood 506 573 652 654 656	654
Kloss 561 610	National 509
Kloss Novabeam 657 698 723	NEC 505 506 507 517 523 573
724	627 651 652 653 654 731 732
KTV 526 541 573 657 658 662	Nikkai 612
696	Nikko 654 727
LG 653 766	Normandic 717
Lloyd's 627	Novabeam 561
Lloytron 526	NTC 727
Loewe 566	Nyon 701
Logik 675	Olevia 910
Luxman 523 652 654	Onwa 541 657
LXI 563 566 590 595 617 631	Optimus 637
635 645 646 650 654 683 691	Optonica 521 605 607
701 725	Orion 694
M. Wards 500 505 506 534	Osaki 612
543 567 568	
Magnasonic 573	

Table continued on next page

TV Codes, continued

TV

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

Proview 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
708 715 716 725 742 749 776
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

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

Table continued on next page

TV Codes, continued

TV

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

Vizio 766

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

DVD

This table contains the manufacturer codes for programming the remote control to operate your VCR. If your VCR brand is not listed or if the codes do not work, the remote may not control your VCR. In some cases, codes may operate some, but not all, buttons shown in this guide.

Note: If programming your VCR in AUX mode, press 1 before entering the VCR code.

Adventura 588	Funai 588
Aiwa 588 622 623	Garrard 588
Akai 513 515 516 517 518 568 682	General Electric 551 552 554 572 591 605 607 675 678
American High 678	Go Video 557 558 620
Amstrad 588	Goldstar 592 594 676
ASA 556	Goodmans 585
Asha 675	Gradiente 588
Audio Dynamics 592	Granada 549 581
Audiovox 676	Grundig 556
Beaumarck 675	Harley Davidson 588
Bell & Howell 581	Harman/Kardon 568 592
Broksonic 559	Headquarter 581
Calix 676	Hitachi 536 538 539 540 588 595 597 682
Candle 534 594 675 676	Instant Replay 678
Canon 554 678	ITT 518
Citizen 534 591 592 594 675 676	JC Penney 554 581 591 592 594 595 675 676 678
Colortyme 592	JCL 678
Craig 591 675 676	Jensen 595 682
Curtis Mathes 554 592 594 605 607 675 678	JVC 561 562 581 592 594 682
Cybernex 675	Kenwood 562 581 592 594 682
Daewoo 534 547 559 588	Kodak 676 678
DBX 592	LG 676
Dimensia 607	Lloyd's 588
Dumont 549	Luxor 518
Dynatech 588	LXI 676
Electrohome 512 676	M. Wards 512 554 585 590 591
Electroponic 676	Magnavox 533 554 556 678 797 798
Emerson 505 508 509 511 512 518 534 559 568 588 590 618 676 678	Magnin 676
Finlandia 549	Marantz 554 556 581 585 592 594 678
Finlux 549 556 588	Marta 676
Fisher 549 581 584 588 610	Matsushita 678
Fuji 678	

Table continued on next page

VCR Codes, continued

DVD

MEI 554 678	RCA 518 525 591 595 605 607
Memorex 533 549 554 566	615 649 675 678 773 774 775
581 585 588 675 676 678	Realistic 534 549 554 581 584
MGA 512 567 568	585 588 675 676 678
MGN Technology 675	Ricoh 502
Midland 579	Runco 533
Minolta 595	Salora 567 581
Mitsubishi 512 562 567 568	Samsung 515 517 534 579
570 595	591 675 755 807
Montgomery Wards 512 554	Sanky 533
585 590 591	Sansui 544 562 682
Motorola 678	Sanyo 549 581 583 675
MTC 544 588 675	SBR 556
Multitech 579 588 591 675	Scott 508 534 559 590
NEC 562 581 592 594 682	Sears 549 581 584 595 610
Nikko 676	676 678
Noblex 675	Sharp 512 585 595 607
Olympus 678	Shintom 595
Optimus 676	Shogun 675
Optonica 585	Singer 678
Panasonic 554 614 628 633	Sony 500 501 502 768 778
678 777 780 781 782 783 784	STS 678
785 786 787 788 789 790 791	Sylvania 554 556 567 588 678
792 793 794 795 796 799 808	756
809	Symphonic 588 594
Pentax 592 595	Tandy 581 588
Pentex Research 594	Tashiko 676
Perdio 588	Tatung 594 682
Philco 554 678	Teac 588 594 682
Philips 554 556 585 678 801	Technics 554 633 678
802 803 804	Teknika 554 588 676 678
Pilot 676	TMK 675
Pioneer 562 574 575 576	Toshiba 534 535 567 584 590
Proscan 605 607	769 776
Pulsar 533	Totevision 591 675 676
Quarter 581	Unitech 675
Quartz 581	Vector Research 534 592
Quasar 554 678 770 771 772	Victor 561 562
805 806	Video Concepts 534 568 592
Radio Shack 512 607 610 676	Videosonic 591 675
Radio Shack/Realistic 581	Wards 534 588 595 675 676
584 588 675 676 678	678
Radix 676	XR-1000 588 678
Randex 676	Yamaha 581 592 594 682
	Zenith 500 501 533 779

DVD Player Codes

DVD

This table contains the manufacturer codes for programming the remote control to operate your DVD or Blu-ray Disc™ Player. If your DVD Player brand is not listed or if the codes do not work, the remote may not control your DVD Player. In some cases, codes may operate some, but not all, buttons shown in this guide. **Note:** If programming a DVD Player in AUX mode, press 1 before entering the DVD Player code.

Aiwa 634 694
Alpine 653
Apex 654 655 744 757 835
839
Archos 885
BOSE 758 811
Broksonic 656 752
Clarion 696
Classic 695
CyberHome 833
CYTRON 904
Daewoo 657 859
Denon 697 699 700
EchoStar 722
Emerson 658
Fisher 659
Funai 658
General Electric 702 703
Go Video 692 693 822
GPX 704
Hitachi 660 668 705 706 707
740 823 860
JVC 689 711 850 861 862 863
Konka 637 638 753
Koss 745
Magnavox 661
Memorex 709
Mintek 710
Mitsubishi 767 867
Norcent 711
Oritron 723
Panasonic 639 663 699 714
715 716 734 737 765 813 840
841 855 856 868 869 870 871
872 873 882

Philips 766 874
Pioneer 665 719 812 876 877
878 879 880
Proscan 720
Qwestar 723
RCA 666 690 749 816 842 854
Sampo 724
Samsung 652 667 668 691
705 740 741 820 821 844 845
866 875 881
Sansui 725 754
Sanyo 643
Sharp 669 865
Sony 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
Sylvania 658 764 829
Teac 732
Technics 733
Techwood 664
Toshiba 616 646 672 735 736
814 815 819 825 826 827 828
834 846
Yamaha 737 739
Zenith 673 824

Tuner/Amplifier Codes

AUX

This table contains the manufacturer codes for programming the remote control to operate your tuner/amplifier. If your tuner/amplifier is not listed or if the codes do not work, the remote may not control your tuner/amplifier. In some cases, codes may operate some, but not all, buttons shown in this guide. **Note:** If programming a tuner/amplifier in AUX mode, press 2 before entering the Tuner/Amplifier code.

Aiwa 636 641 656 687 718
720 725 726

BOSE 761 780

Carver 653

Citizen 709

Denon 647 674 759 760 762
807 809 814 835

Fisher 653

General Electric 711

Goldstar 677 690

Harman/Kardon 640 672 751

Hitachi 717

JBL 640

JVC 637 703 725 786 827

Kenwood 676 691 726 728
774 795 828 829 830 831 832
840 842

Magnavox 654 705

Marantz 651 764 845

Nakamichi 671

NEC 716

Onkyo 642 660 662 678 785 788
790 791 792 796 801 846

Optimus 648 664

Panasonic 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

Pioneer 667 668 679 702 767
770 772 779 802 806 844

Proton 654 705

Quasar 652

RCA 635 638 704 727

Sharp 712 713 714 715

Sherwood 646 670

Sony 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

Soundmatters 763

Teac 684

Technics 643 644 652 768 804
805 843

Toshiba 710

Victor 703

Yamaha 663 730 731 732 733
823 834 841

Combo Codes

The following tables contain the manufacturer codes for programming the remote control to operate combined devices. If your combined device brand is not listed or if the codes do not work, the remote may not control your combined device. In some cases, codes may operate some, but not all, buttons shown in this guide.

TV/VCR Codes



Note: Program the remote control in TV mode using the TV code and then in DVD/VCR mode (or in AUX—press 1 before entering the VCR code) using the VCR code.

Magnavox

TV Code 887 888

VCR Code 797 798

Philips

TV Code 891 892 893
894

VCR Code 801 802 803
804

Quasar

TV Code 860 861 862
895 896

VCR Code 770 771 772
805 806

RCA

TV Code 863 864
VCR Code 773 774

Samsung

TV Code 755 897
VCR Code 755 807

Sylvania

TV Code 756
VCR Code 756

Combo Codes, continued

TV/DVD Codes

TV

DVD

Note: Program the remote control in TV mode using the TV code and then in DVD/VCR mode (or in AUX—press 1 before entering the DVD code) using the DVD code.

Apex

TV Code 757

DVD Code 757

Broksonic

TV Code 752

DVD Code 752

CYTRON

TV Code 904

DVD Code 904

Panasonic

TV Code 734 765

DVD Code 734 765

RCA

TV Code 749

DVD Code 749

Sansui

TV Code 754

DVD Code 754

Sylvania

TV Code 764

DVD Code 764

Toshiba

TV Code 865 866

DVD Code 814 815

Combo Codes, continued

DVD/VCR Codes



Note: Program the remote control in DVD/VCR mode using one of the listed DVD codes, and then in AUX mode, first pressing 1 and then using the listed VCR code.

Go Video

DVD Code 692 693 822

VCR Code No Code

JVC

DVD Code 689

VCR Code No Code

RCA

DVD Code 690

VCR Code No Code

Samsung

DVD Code 667 691 820 821

VCR Code No Code

Sony

DVD Code 817 818

VCR Code 768 778

Toshiba

DVD Code 819

VCR Code No Code

Zenith

DVD Code No code

VCR Code 779

Combo Codes, continued

TV/VCR/Tuner Codes



Note: Program the remote control in TV mode using the TV code and then in DVD/VCR mode and then in AUX mode (press 2 before entering the tuner code) using the tuner code.

Panasonic

TV Code	867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 889
VCR Code	780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 799 808 809
Tuner Code	797 798 799 808 815 816 817 818 819 820 821 822 824 825 826 833 836 837 838 839

TV/DVD/VCR Codes



Note: Program the remote control in TV mode using the TV code and then in DVD/VCR mode using the DVD code, and then in AUX mode (press 1 before entering the VCR code) using the VCR code.

Panasonic

TV Code	900
DVD Code	882
VCR Code	810

Troubleshooting

Use this information if you have a problem using the remote. To solve a particular problem, do the following:

- Find the information that relates to the problem you are experiencing. Try the suggested solution for that problem.
- Make sure your remote control has fresh batteries. If you see the Remote Battery Low warning on your TV screen, it is time to change the batteries. Follow the instructions on page 4.
- Make sure you have a direct line of sight between the remote and the receiver.
- Visit www.mydish.com.

While performing a remote control procedure, the remote control stops working.

What to do: Start over again. If you don't press a button for 20 seconds in a programming sequence, the remote shuts off its programming function.

When you press a button on the remote control, the equipment doesn't do what you expect.

What to do: Point the remote control directly at the TV, with no objects blocking the signal path. The remote control uses IR signals to control the receiver. IR signals travel less than 40 feet and cannot go through walls or other solid objects.

If the batteries are missing or dead, replace them with new AAA-size batteries. If the remote has new batteries, check whether you put them in correctly. If you didn't, take them out and put them in the right way.

When you try to enter TV programming mode, all the mode LEDs flash.

What to do: Replace the batteries (see page 4).

Troubleshooting, continued

Your remote control does not work well.

What to do: Move your receiver to different locations. For best results, place the receiver as high as possible, above all other equipment in your entertainment center. There may be IR interference from objects near the receiver.

Your picture is snowy (or black or blue).

What to do: If SAT Auto-Tune has been enabled, press SAT to return to watching TV.

Make sure your TV is tuned to the correct channel. You may have accidentally changed the channel on your TV. Check the Reference Table to see what channel your TV is tuned to. Program SAT Auto-Tune to avoid this in the future (see *SAT Auto-Tune* on page 22).

When you press the remote control MUTE or VOLUME button, nothing happens.

What to do: Program the remote to control your TV. See *Programming Remote to Control Another Device* on page 16.

The receiver does things even though you have not pressed any remote control buttons.

What to do: See *Changing the Remote and Receiver Address* on page 31 for instructions to correct the possibility of UHF signals from a neighbor's remote controlling your receiver.

Your remote control isn't working.

What to do: Make sure the remote control is in the correct mode (SAT, TV, DVD, or AUX).

Make sure you are using the correct remote control (TV1 or TV2) for your locations (applicable to multi-room receivers only).

Change the batteries as described on page 4.

Troubleshooting, continued

Your UHF Pro remote control does not work well from far away.

What to do: Make sure the UHF antenna is connected to the receiver and not touching anything else.

Vary the angle of the receiver's UHF antenna.

Locate the UHF antenna tip away from other electronics equipment or metal surfaces, even if separated by wooden shelving.

Move the receiver to different locations. For best results, place the receiver as high as possible, above all other equipment in your entertainment center.

Place the UHF antenna outside the entertainment center by using a coaxial cable to connect it to the receiver.

Move any nearby off-air antenna away from the UHF remote antenna. Do not place an off-air antenna on your receiver.

Your remote control returns to the previously pressed Mode button every time the TV Mode button is pressed.

What to do: Take the remote control out of Limited Mode, following the instructions on page 21, *Placing Remote in Limited Mode and Removing Limited Mode*.

You cannot find the key(s) shown on page 1 or 2.

What to do: Turn the keys over until you find the correct key.

The PIP (Picture-in-Picture) button is not working.

What to do: If available, press the MODE button on the front panel to put the receiver in Single Mode. If not available, upgrade to a receiver with this feature.

Limited Warranty



This Limited Warranty is a legal document. Keep it in a safe place. Remember to retain your Bill of Sale for warranty service! Any items returned without a copy of the Proof of Purchase will be considered out of warranty.

This warranty extends only to the original user ("you," "your") of the DISH remote control and is limited to the purchase price of the remote control. DISH Network L.L.C. and its affiliated companies ("DISH," "we," "our," "us") warrant this remote control system 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. SOME STATES MAY LIMIT OR EXCLUDE THE FOREGOING LIMITATION, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL OUR LIABILITY, IF ANY, EXCEED THE PURCHASE PRICE PAID FOR THIS DEVICE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG A STATUTORY OR IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. WE RESERVE THE RIGHT TO REFUSE TO HONOR THIS WARRANTY IF WE DETERMINE ANY OF THE ABOVE EXCEPTIONS TO HAVE CAUSED THIS SYSTEM 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).

DISH's Exchange Programs

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

Advanced Exchange Program

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

A shipping charge will be applied for shipping the replacement remote. This is a one-time fee based on DISH'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 the defective remote control at your cost to DISH 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 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-branded equipment, displaying the DISH 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 or your local retailer.

If You Need Help

1. Review this *User Guide*.
2. See *Troubleshooting* on page 44.
3. Visit www.mydish.com/chat for 24/7 support.
4. Call the Customer Service Center at **1-800-333-DISH (3474)**.

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.

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 user is encouraged to try to correct the interference by following one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Do not make changes or modifications to this equipment. This could void the user's authority to operate the equipment.

If none of the remedies stops the radio interference, you should contact a licensed radio/television technician, your satellite dealer, or call the Customer Service Center at 1-800-333-DISH (3474) for assistance.

Notes

Notes

Reference Table

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
Cable Programming

--

If you enter a "1" as the last number of your code, your remote is in Limited Mode (see page 21 for more details).

TV Code

TV

			1
--	--	--	---

(Optional)

DVD/BD/VCR Player Code

DVD

			1
--	--	--	---

(Optional)

Auxiliary Equipment Code

AUX

				1
--	--	--	--	---

(Optional)

To read out your remote codes, see page 20 for instructions.

For all your customer needs,
go to **mydish.com/chat** or call the
Customer Service center at
1-800-333-DISH (3474)

dish®



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