

2-Way Remote Learning Instructions

After a customer has programmed their DISH Network remote to control their equipment (in TV, DVD or AUX modes), they may find not all of the commands used by the equipment's original remote controls function as they expect. The learning function of the DISH Network remote control can support these commands.

The remote control can learn commands in two ways:

- **Hybrid Mode**

You can follow the instructions for using equipment codes to program a specific mode, and then learn commands that add new or overwrite existing functions of the remote control's buttons in this mode. For this type of learning, any button without a learned command keeps the previous command (if any) for that equipment code.

- **Normal Mode**

Each button on this remote learns a command from the equipment's original remote control. For this type of learning, any button without a learned command will have no function for that equipment.

To "teach" the DISH Network remote control specific commands for the equipment, complete the following:

1. Ensure the DISH Network remote control is programmed to the desired remote address to operate the DISH Receiver.
2. Place both the DISH Network remote and the original equipment's remote control on a flat, stable surface.
3. On the DISH Network remote, press and hold the mode button for your equipment for about three seconds until all of the mode buttons light up, and then release it. Your selected mode button will blink.
4. Start learning commands:

Hybrid Mode

Remote must be programmed to the equipment with a before proceeding

1. Press and release RECALL, then hold the RECORD button for about three seconds until the mode button is lit again. The button remains lit while learning.
2. Point the front of the original equipment's remote to face the small square (IR window) on the front, left-hand side of DISH's remote. Remotes must be within 4 inches of each other.
3. On the DISH Network remote, press the button you want to teach.
4. On the original equipment's remote control, press and hold the button you want learned. If the DISH Network remote learns the command, the mode light blinks off and then back on. If the mode light blinks three times or remains lit, the DISH Network remote did not learn the command. You may need to press the button on the original remote several times for the DISH Network remote to learn the command.

5. After a button has learned a command successfully, repeat step 3 and step 4 until all commands you want have been learned.
6. To end the learning sequence:
 - Press one of the mode buttons on the DISH Network remote. This saves all of the commands for that mode, and exits learning to return to normal remote control operation.

Normal Mode

7. Press and hold the RECORD button for about three seconds until the mode button is lit. The button remains lit while learning.
8. Point the front of the original equipment's remote to face the small square (IR window) on the front, left-hand side of DISH's remote. Remotes must be within 4 inches of each other.
9. On the DISH Network remote, press the button you want to teach.
10. On the original equipment's remote control, press and hold the button you want learned. If the DISH Network remote learns the command, the mode light blinks off and then back on. If the mode light blinks three times or remains lit, the DISH Network remote did not learn the command. You may need to press the button on the original remote several times for the DISH Network remote to learn the command.
11. After a button has learned a command successfully, repeat step 3 and step 4 until all commands you want have been learned.
12. To end the learning sequence:
 - Press one of the mode buttons on the DISH Network remote. This saves all of the commands for that mode, and exits learning to return to normal remote control operation.

Important Facts

- If the remote runs out of memory for learned commands, it saves the commands you have learned for equipment in this mode, exits learning and returns to normal remote control operation. The DISH Network remote cannot learn additional commands.
- If the remote control batteries are too low for learning, all the mode buttons blink quickly eight times. Learning ends without saving learned commands, and the remote returns to normal operation. Change the batteries.
- To cancel learning, do not press any buttons on either remote control for at least 30 seconds. The DISH Network remote control times out and returns to normal operation.
Note: Learned commands are not saved if the DISH Network remote control times out before completion.
- Any key can be learned other than the mode keys and the TV Power key.
- If after you attempt to learn a key from a third party remote and the 2way remote blinks three times quickly the learn failed. If this repeats every time you attempt to learn from that remote it cannot be learned because it either uses a strange protocol or an out of tolerance carrier frequency.
- The code learned for "Power" in TV mode will automatically link to the "TV Power" button.

TV Remote TV Codes

BRAND	CATEGORY	CODE
Abex	Television	658, 730
Acer	Television	511
Action	Television	662
Admiral	Television	521, 572, 675, 739, 834, 835
Advent	Television	653, 842, 912
Adventura	Television	840
Aiko	Television	727, 778
Akai	Television	570, 573, 592, 612, 627, 652, 754, 795, 807, 808, 906, 907, 908
Albatron	Television	692, 804
Alleron	Television	534
A-Mark	Television	620, 804
Ambassador	Television	686
American Action	Television	682
Amtron	Television	657
Anam	Television	682
Anam National	Television	509, 541, 620, 651, 657, 698
AOC	Television	505, 506, 519, 520, 573, 582, 620, 627, 653, 654
Apex	Television	552, 595, 743, 744, 745, 757, 771, 802, 815
Archer	Television	620, 804
Astar	Television	594
Audiovox	Television	528, 565, 620, 623, 624, 657, 662, 682, 778, 832
Aventura	Television	733
Axion	Television	636
Bang & Olufsen	Television	514, 665
Baycraft	Television	536
Belcor	Television	627, 773
Bell & Howell	Television	590, 675, 683
Benq	Television	511, 535
Bradford	Television	657, 682
Brilliant	Television	558
Brockwood	Television	627
Broksonic	Television	682, 748, 750, 752, 754, 834, 899, 908
ByD:sign	Television	792
Candle	Television	506, 523, 525, 536, 627, 654, 840
Candle/Citizen	Television	573
Capehart	Television	519, 627

Carnivale	Television	627
Carver	Television	761
CCE	Television	528, 816
Celebrity	Television	652, 795, 797, 798, 807
Celera	Television	744, 745
Changhong	Television	744, 745
Cineral	Television	744, 745
Circuit City	Television	627
Citizen	Television	506, 516, 523, 524, 525, 526, 590, 627, 654, 657, 658, 664, 680, 727, 778
Clairtone	Television	698
Clarion	Television	682
Coby	Television	626, 633
Colortyme	Television	573, 627, 654
Colt	Television	660
Commercial Solutions	Television	645, 650
Concerto	Television	523, 652, 654
Contec	Television	682
Contec/Cony	Television	541, 655, 657, 658, 662
Craig	Television	536, 541, 657, 662, 682, 694
Crosley	Television	761
Crown	Television	526, 536, 657
CTX	Television	804
Curtis Mathes	Television	503, 506, 516, 528, 572, 573, 590, 627, 641, 645, 650, 654, 658, 680, 683, 739, 761, 830, 832
CXC	Television	541, 657, 662, 682
Cytron	Television	903, 904
Daewoo	Television	505, 524, 528, 530, 531, 573, 627, 630, 653, 654, 658, 684, 719, 727, 778, 816, 832
Daytron	Television	627, 654, 658
Dell	Television	518, 676, 772, 773, 774
Denon	Television	786
DiamondVision	Television	546, 643, 659
Dimensia	Television	503, 645, 830
DISH Network	Television	742, 763
Dixi	Television	566, 620, 761, 897
Dumont	Television	501, 627, 711, 813
Durabrand	Television	533, 627, 682, 733, 834, 843
Dwin	Television	572, 739

Electroband	Television	652, 795, 797, 798, 807
Electrograph	Television	507
Electrohome	Television	573, 627, 651, 652, 654, 709, 728, 795, 807
Element	Television	591, 669
Emerson	Television	528, 534, 536, 541, 573, 590, 618, 627, 636, 642, 646, 654, 655, 657, 658, 662, 664, 682, 683, 733, 777, 816, 832, 834, 846, 899
Emprex	Television	597
Envision	Television	506, 573, 627, 654
Epson	Television	708
ESA	Television	733
Fisher	Television	542, 590, 595, 683, 802
Fortress	Television	573
Fujitsu	Television	534, 602, 603, 694
Funai	Television	534, 541, 587, 657, 662, 682, 694, 733, 756
Futuretech	Television	541, 657, 662, 682, 694
Gateway	Television	507, 511, 710
GE	Television	503, 508, 509, 528, 543, 544, 627, 645, 650, 651, 654, 661, 690, 728, 742, 749, 779, 830, 832, 857, 859
General Electric	Television	627
Gibraltar	Television	501, 627, 711, 813
GoVideo	Television	696
Goldstar	Television	505, 523, 545, 566, 573, 627, 653, 654, 655, 658, 693, 720, 730, 761, 897
Gradiente	Television	540
Granada	Television	627
Grand	Television	627
Grunpy	Television	534, 657, 682
Hallmark	Television	627, 654
Harley Davidson	Television	756
Harmon/Kardon	Television	561, 627, 761
Harvard	Television	657, 682
Havermy	Television	572, 739
Helios	Television	901
Hello Kitty	Television	528, 832
Hewlett Packard	Television	712, 911
Hinari	Television	534
Hisense	Television	759
Hitachi	Television	523, 549, 554, 555, 585, 627, 638, 654, 655, 658, 756, 786, 788, 789, 790, 791

HP	Television	599, 712, 721, 911
Hyundai	Television	695
iLo	Television	559, 596, 625
IMA	Television	657
Infinity	Television	566, 656, 761, 897
InFocus	Television	616
InFocus	Television	625
Insignia	Television	538, 539, 751
Inteq	Television	501, 711, 813
Janeil	Television	840
JBL	Television	566, 656, 761, 897
JCB	Television	652, 795, 797, 798, 807
JC Penney	Television	503, 505, 506, 508, 516, 525, 543, 595, 627, 631, 645, 653, 654, 658, 680, 690, 728, 730, 802, 830, 857
Jensen	Television	502, 537, 556, 573, 627, 653, 654, 842, 912
JVC	Television	508, 557, 559, 642, 649, 655, 676, 726, 735, 736, 737, 812, 817
Kawasho	Television	561, 573, 627, 652, 654, 795, 807
Kaypani	Television	519
KEC	Television	682
Kenwood	Television	506, 573, 627, 654, 716
KLH	Television	595, 744, 745, 802
Kloss	Television	561, 627
Kloss Novabeam	Television	657, 723, 724, 840
Konka	Television	510
KTV	Television	541, 573, 627, 657, 658, 662, 682
LG	Television	553, 627, 653, 654, 693, 718, 766, 773, 804
Lloyds	Television	627, 756
Lloytron	Television	658
Loewe	Television	566, 656, 761, 897
Logik	Television	675
Luce	Television	699
Luxman	Television	523, 627, 654
LXI	Television	503, 566, 590, 595, 627, 631, 635, 645, 650, 654, 656, 683, 744, 761, 771, 802, 830, 897
M. Wards	Television	500, 505, 506, 534, 543, 567, 568, 795, 807
Magnasonic	Television	573, 664

Magnavox	Television	506, 520, 525, 536, 550, 560, 566, 567, 568, 573, 625, 627, 646, 654, 656, 723, 724, 756, 761, 762, 777, 818, 827, 828, 829, 838, 839, 887, 888, 891, 892, 893, 894, 897
Magnin	Television	661
Majestic	Television	675
Marantz	Television	506, 566, 573, 604, 627, 654, 656, 761, 897
Matsushita	Television	689
Maxent	Television	507, 581
Media Center	Television	721
Megapower	Television	804
Megatron	Television	627, 654
MEI	Television	698
Memorex	Television	529, 590, 627, 648, 653, 654, 675, 683, 834
MGA	Television	504, 505, 506, 542, 571, 573, 627, 653, 654, 661, 728
Midland	Television	501, 508, 645, 650, 658, 711, 730, 813
Mintek	Television	625
Minutz	Television	857
Mitsubishi	Television	504, 505, 542, 570, 571, 572, 573, 613, 614, 627, 653, 654, 725, 728, 739, 787, 799
Mitsui	Television	769
MMonivision/Monovision	Television	692, 804
Montgomery Ward	Television	675
Motorola	Television	521, 572, 651, 739, 835
MTC	Television	505, 506, 516, 523, 573, 627, 653, 654, 680
Multitech	Television	657, 682
NAD	Television	595, 627, 631, 635, 637, 654, 744, 771, 802
National	Television	509
NEC	Television	505, 506, 507, 517, 523, 573, 627, 651, 652, 653, 654, 731, 732
Net-TV	Television	517, 586, 609, 801
Nikkai	Television	613
Nikko	Television	627, 654, 727, 778
Norcent	Television	579
Normandic	Television	717
Noshi	Television	681
Novabeam	Television	561, 627
NTC	Television	727, 778
Nyon	Television	627
Olevia	Television	564, 578, 580, 910

Onwa	Television	541, 657, 662, 682
Optimus	Television	590, 637, 689
Optonica	Television	521, 572, 607, 739, 835
Orion	Television	687
Osaki	Television	612
Panasonic	Television	508, 509, 512, 566, 577, 619, 634, 644, 647, 651, 656, 662, 685, 689, 700, 729, 734, 761, 765, 780, 784, 811, 819, 820, 821, 822, 823, 860, 861, 862, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 889, 890, 895, 896, 897, 900
Panavision	Television	734, 811
Penney	Television	595, 627, 645, 650, 661, 744, 771, 802
Philco	Television	505, 506, 525, 532, 536, 568, 573, 627, 651, 653, 654, 655, 656, 658, 723, 724, 761
Philips	Television	525, 527, 548, 550, 563, 566, 621, 625, 627, 651, 655, 656, 658, 690, 723, 724, 747, 761, 770, 782, 824, 825, 826, 827, 828, 839, 887, 888, 891, 892, 893, 894, 897
Philips Magnavox	Television	527, 550, 761, 782, 826, 827, 828
Pilot	Television	627, 658
Pioneer	Television	547, 576, 627, 637, 654
PlasmSync	Television	610
Polaroid	Television	591, 627, 669, 670, 671, 678, 744, 745, 751, 766, 773, 814
Portland	Television	505, 573, 627, 653, 654, 658, 727, 778
Price Club	Television	680
Prima	Television	653, 673, 674, 842, 912
Princeton	Television	562, 804
Prism	Television	508
Proscan	Television	503, 645, 650, 742, 749, 830
Proton	Television	513, 519, 536, 585, 627, 654, 655, 658
Protron	Television	589
Proview	Television	902
Pulsar	Television	501, 627, 711, 813
Quasar	Television	508, 509, 651, 689, 700, 784, 860, 861, 862, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 889, 890, 895, 896
Radio Shack	Television	503, 541, 590, 627, 645, 650, 662, 682, 683, 756, 830
Radio Shack/Realistic	Television	590, 607, 650, 652, 654, 655, 657, 658, 683, 730, 830
RCA	Television	503, 505, 522, 627, 630, 636, 641, 645, 650, 651, 653, 654, 661, 742, 749, 776, 779, 805, 830, 831, 863, 864, 902

Realistic	Television	503, 590, 627, 645, 682, 683, 830
Rhapsody	Television	701
Runco	Television	501, 627, 711, 813
Sampo	Television	506, 507, 519, 627, 654, 658, 730, 746, 753, 763
Samsung	Television	505, 506, 516, 523, 526, 566, 573, 601, 627, 653, 654, 655, 658, 680, 707, 717, 730, 738, 755, 761, 794, 833, 858, 897
Samsux	Television	702
Samwon	Television	620
Sansei	Television	697
Sansui	Television	726, 754, 756, 834, 899, 908
Sanyo	Television	590, 611, 627, 661, 683
SBR	Television	566, 761, 897
sceptre	Television	677
Schneider	Television	566, 761, 897
Scimitsu	Television	773
Scotch	Television	627, 654
Scott	Television	534, 541, 627, 654, 655, 657, 658, 662, 682
Sears	Television	503, 523, 534, 541, 542, 558, 590, 595, 627, 631, 635, 645, 650, 654, 658, 683, 733, 744, 756, 761, 771, 802, 830, 841, 846
Seimitsu	Television	627
Semivox	Television	682
Semp	Television	595, 771
Sharp	Television	521, 572, 585, 605, 607, 627, 628, 629, 654, 655, 658, 739, 740, 803, 835, 836, 898
Sharper Image	Television	703
Sheng Chia	Television	572, 739
Shogun	Television	627
Signature	Television	675
Silver	Television	573
Simpson	Television	525
Solavox	Television	613
Sony	Television	500, 640, 652, 756, 758, 781, 783, 795, 796, 797, 798, 806, 807, 837, 844, 845
Soundesign	Television	525, 534, 536, 541, 627, 654, 657, 662, 682
Spectricon	Television	520, 620, 627
Squareview	Television	694, 733, 841, 846
SSS	Television	505, 541, 573, 627, 657, 662, 682
Starlite	Television	657, 682

Studio Experience	Television	692
Supra	Television	523, 627
Supre-Macy	Television	840
Supreme	Television	652, 795, 797, 798, 807
Susumu	Television	687
SVA	Television	515, 901, 905
Sylvania	Television	506, 525, 536, 566, 568, 569, 573, 618, 627, 646, 654, 656, 672, 679, 723, 724, 733, 756, 761, 764, 777, 897
Symphonic	Television	632, 657, 662, 679, 682, 694, 733, 756, 841, 846
Syntax	Television	564
Syntax-Brilliant	Television	558, 564
Tandy	Television	521, 572, 739, 835
Tatung	Television	509, 588, 651
Technics	Television	508, 689
Technol ACE	Television	534
Techview	Television	590, 683
Techwood	Television	508, 523, 573, 627, 654
Teco	Television	704
Teknika	Television	504, 505, 512, 516, 523, 524, 525, 534, 536, 541, 573, 644, 653, 654, 655, 657, 658, 662, 675, 680, 682, 685, 727, 761, 778
Telecaption	Television	688
Telefunken	Television	794
Tera	Television	513
Thomas	Television	627, 756
Thompson	Television	709
Thomson	Television	705
TMK	Television	523, 573, 627, 654
TNCi	Television	501, 711, 813
Toshiba	Television	516, 526, 590, 595, 617, 622, 631, 635, 666, 680, 683, 688, 744, 750, 754, 768, 771, 785, 793, 800, 802, 847, 848, 849, 850, 851, 852, 854, 855, 865, 866, 908, 909
Tosonic	Television	698
Totevision	Television	658
Toyomenko	Television	627
Trical	Television	706
Trutech	Television	584
TVS	Television	834
Universal	Television	543, 690, 857

Univsum	Television	687
V Inc	Television	562, 575
Vector Research	Television	506, 627
Victor	Television	557
Video Concepts	Television	570
Vidikron	Television	761
Vidtech	Television	505, 573, 627, 653, 654
Viewsonic	Television	507, 551, 562, 575, 583, 600, 606, 760, 796
Viking	Television	840
Viore	Television	907
Vizio	Television	511, 535, 562, 575, 593, 598, 773
Wards	Television	503, 534, 536, 573, 595, 607, 627, 645, 653, 654, 656, 675, 690, 715, 723, 724, 761, 802, 830, 857
Waycon	Television	595, 744, 771, 802
Westinghouse	Television	528, 562, 574, 575, 795, 797, 798, 807, 809, 832, 856
White Westinghouse	Television	528, 816, 832, 834
Yamaha	Television	505, 506, 573, 627, 653, 654
York	Television	627
Zenith	Television	501, 553, 555, 615, 627, 639, 675, 693, 711, 748, 752, 756, 766, 773, 775, 778, 813, 834, 853, 899
Zonda	Television	620

Remote VCR Codes

BRAND	CATEGORY	CODE
ABS	VCR	792
Adventura	VCR	588, 594
Aiwa	VCR	501, 588, 594, 676, 678
Akai	VCR	513, 518, 568, 682, 772
Alienware	VCR	792
American High	VCR	554
Americast	VCR	917
Apex	VCR	517
ASA	VCR	556, 801
Asha	VCR	675
Audio Dynamics	VCR	592
Audiovox	VCR	676, 678
Bang & Olufsen	VCR	537, 794
Beaumark	VCR	675
Bell & Howell	VCR	581
Broksonic	VCR	511, 515, 516, 525, 559
Calix	VCR	676, 678
Candle	VCR	534, 592, 594, 675, 676, 678
Candle/Citizen	VCR	675, 676
Canon	VCR	554
CineVision	VCR	529
Colortyme	VCR	592
Colt	VCR	535
Craig	VCR	591, 676, 678, 789
Curtis Mathes	VCR	554, 585, 592, 594, 605, 607, 649
Cybernex	VCR	675
Cyberpower	VCR	792
Daewoo	VCR	534, 536, 559, 588, 796
DBX	VCR	592
Dell	VCR	792
DiamondVision	VCR	532
Dimensia	VCR	585, 607, 649
Dumont	VCR	549
Durabrand	VCR	533
Dynatech	VCR	588, 594

Electrohome	VCR	512, 676, 678
Electrophonic	VCR	676, 678
Emerson	VCR	508, 512, 518, 534, 536, 554, 559, 568, 588, 594, 676, 678, 798, 804
ESA	VCR	502
Finlandia	VCR	549
Finlux	VCR	549, 556 801
Fisher	VCR	549, 581, 789
Fuji	VCR	554, 772
Funai	VCR	588, 594, 804
GarraId	VCR	588, 594
GE	VCR	541, 554, 585, 591, 605, 607, 649, 675
GoVideo	VCR	522, 524
Goldstar	VCR	592, 594, 676, 678
Goodmansr	VCR	585
Gradiente	VCR	588, 594
Granada	VCR	549
Grundig	VCR	556, 801
Harley Davidson	VCR	588, 594
Harmon/Kardon	VCR	568, 592
Headquarter	VCR	581
Hewlett Packard/HP	VCR	792
Hi-Q	VCR	789
Hitachi	VCR	536, 538, 539, 540, 588, 595, 597, 682
Howard Computers	VCR	792
Hush	VCR	792
iBuyPower	VCR	792
Insignia	VCR	507
Instant Replay	VCR	554
ITT	VCR	675
JC Penney	VCR	554, 581, 591, 592, 595, 676, 678, 776
JCL	VCR	554
Jansen	VCR	595, 682, 776
JVC	VCR	503, 504, 523, 526, 527, 545, 561, 562, 581, 592, 594, 682, 795
Kenwood	VCR	562, 581, 592, 594, 682
Kodak	VCR	554, 676, 678
LG	VCR	507, 676, 678
Linksys	VCR	792
Lloyds	VCR	588, 594

Luxor	VCR	567
LXI	VCR	676, 678
M. Wards	VCR	512, 554, 585, 591
Magnasonic	VCR	536
Magnavox	VCR	533, 554, 556, 594, 797, 798, 801, 803, 804
Magnin	VCR	675, 676, 678
Marantz	VCR	554, 556, 581, 585, 592, 594, 801
Marta	VCR	676, 678
Matsushita	VCR	554
PC/Microsoft	VCR	792
MEI	VCR	554
Memorex	VCR	515, 516, 533, 550, 554, 581, 585, 588, 594, 676, 678, 786, 789
MGA	VCR	512, 567, 568, 675
MGN Technology	VCR	675
Midland	VCR	591
Minolta	VCR	595, 776
Mitsubishi	VCR	512, 562, 567, 568, 595, 607, 776
Motorola	VCR	554
MTC	VCR	544, 594
Multitech	VCR	588, 591, 594
NEC	VCR	562, 581, 592, 594, 682
Nikko	VCR	676, 678
Niveus Media	VCR	792
Noblex	VCR	675
Northgate	VCR	792
Olympus	VCR	554
Optimus	VCR	676, 678, 786
Optonica	VCR	585
Orion	VCR	550
Panasonic	VCR	554, 614, 628, 770, 777, 780, 781, 782, 783, 784, 786, 787, 788, 799, 809, 810
Penney	VCR	675, 676, 678
Pentax	VCR	592, 776
Pentax Research	VCR	592, 594
Philco	VCR	554
Philips	VCR	554, 556, 585, 801, 803, 804
Philips Magnavox	VCR	801
Pilot	VCR	676, 678

Pioneer	VCR	562, 776
Polaroid	VCR	517, 530
Presidian	VCR	804
Proscan	VCR	585, 605, 607, 649
Pulsar	VCR	533
Quarter	VCR	581
Quartz	VCR	581
Quasar	VCR	554, 770, 771, 772, 786, 806
Radio Shack	VCR	512, 594, 676, 678
Radio Shack/Realistic	VCR	554, 581, 588, 676, 678, 789
Radix	VCR	676, 678
Randex	VCR	676, 678
RCA	VCR	518, 528, 541, 554, 585, 591, 595, 605, 607, 649, 675, 773, 774, 775, 776
Realistic	VCR	534, 549, 554, 581, 585, 588, 594, 676, 678, 789
Ricavision	VCR	792
Ricoh	VCR	791
Runco	VCR	533
Salora	VCR	567
Samsung	VCR	506, 524, 534, 591, 755, 807
Sanky	VCR	533
Sansui	VCR	515, 516, 544, 550, 562, 594, 682
Sanyo	VCR	549, 581, 675, 789
SBR	VCR	556, 801
Scott	VCR	534, 559
Sears	VCR	549, 554, 581, 594, 595, 676, 678, 776, 789
Sharp	VCR	512, 585, 595, 607, 918
Shinton	VCR	595, 772
Shogun	VCR	675
Singer	VCR	554, 791
Sony	VCR	500, 594, 768, 772, 778, 790, 791, 792, 919
Stack	VCR	792
Stack 9	VCR	792
STS	VCR	554
Superscan	VCR	531, 798, 804
Sylvania	VCR	519, 554, 556, 567, 588, 594, 756, 798, 801, 804
Symphonic	VCR	588, 594, 804
Systemax	VCR	792
Tagar Systems	VCR	792

Tandy	VCR	581
Tashiko	VCR	676, 678
Tatung	VCR	682
Teac	VCR	588, 594, 682
Technics	VCR	554
Teknika	VCR	554, 588, 594, 676, 678
TMK	VCR	675
Toshiba	VCR	534, 538, 542, 543, 567, 769, 776, 783, 792
Totevision	VCR	591, 676, 678
Touch	VCR	792
UltimateTV	VCR	649
Unitech	VCR	675
Vector Research	VCR	534, 592
Victor	VCR	561, 562
Video Concepts	VCR	534, 568, 592
Videomagic	VCR	676, 678
Videosonic	VCR	591
Viewsonic	VCR	792
Wards	VCR	534, 554, 588, 594, 595, 676, 678, 776, 789
White Westinghouse	VCR	588
XR-1000	VCR	554, 588, 594
Yamaha	VCR	581, 592, 594, 682
Zenith	VCR	500, 507, 533, 594, 772, 779, 791
ZT Group	VCR	792

Remote DVD Codes

BRAND	CATEGORY	CODE
Accurian	DVD	602
Advent	DVD	572
Aiwa	DVD	694
Akai	DVD	656, 752, 815
Alco	DVD	765
Allegro	DVD	683
Alpine	DVD	653
Amphion Media Works	DVD	586
AMW	DVD	586

Anaba	DVD	687
Anam	DVD	688
Apex	DVD	654, 655, 744, 757, 835, 839, 851
Apple	DVD	642
Archos	DVD	885
Arrgo	DVD	833
Aspire	DVD	558
Astar	DVD	612
Audiologic	DVD	698
Audiovox	DVD	580, 630, 765, 826, 837
Axion	DVD	867
B&K	DVD	701
Bang & Olufsen	DVD	569, 580
Bel Canto Design	DVD	719
Blaupunkt	DVD	835
Blue Parade	DVD	719
BOSE	DVD	758, 811
BOSS	DVD	576
Broksonic	DVD	656, 752, 815
California Audio Labs	DVD	699, 716
Cambridge SoundWorks	DVD	870
CAVS	DVD	708
CineVision	DVD	626
Clarion	DVD	696
Classic	DVD	695, 826, 882
Coby	DVD	557, 634
Criterion	DVD	712
Curtis	DVD	685
Curtis	DVD	685
Curtis Mathes	DVD	684
CyberHome	DVD	833
Cytron	DVD	904
Daewoo	DVD	626, 657, 859
Denon	DVD	578, 697, 699, 700, 716, 737, 892
Desay	DVD	598
DiamondVision	DVD	637, 641
Disney	DVD	617
Dual	DVD	871

Durabrand	DVD	826
DVD2000	DVD	699, 716
Eclipse	DVD	574
Eltax	DVD	685
Emerson	DVD	658
Enterprise	DVD	824
ESA	DVD	570, 587
Fahrenheit	DVD	713
Fisher	DVD	659
Flex Vision	DVD	717
Fun TV	DVD	718
Funai	DVD	570, 617, 658, 829
Gateway	DVD	610
GE	DVD	702, 703, 720, 749, 816, 835
Go Video	DVD	610, 692, 693, 822, 826
GPX	DVD	704, 826, 882
Gradiente	DVD	699, 716
Greenhill	DVD	835
Grundig	DVD	565, 577
Harman/Kardon	DVD	715
Hitachi	DVD	606, 660, 668, 705, 706, 707, 823, 860
Hiteker	DVD	654, 655, 744
Honda	DVD	721
Honyas	DVD	726
iLive	DVD	856
iLo	DVD	837
Ingelen	DVD	876
Initial	DVD	835
Insignia	DVD	570, 673, 824, 871
Integra	DVD	551, 779
Irradio	DVD	608
Jamo	DVD	728
Jaton	DVD	738
JBL	DVD	715
Jeken	DVD	878
Jensen	DVD	557
JMB	DVD	656 815
JVC	DVD	553, 603, 604, 620, 621, 622, 623, 625, 689, 850, 861, 862, 863, 872, 898

Jwin	DVD	742
Karcher	DVD	864
Kawasaki	DVD	765
Kendo	DVD	848
Kenwood	DVD	579, 699, 700, 716, 737
KLH	DVD	765, 835
Konka	DVD	753
Koss	DVD	564, 723, 745, 873
Lasonic	DVD	593
Lasonic	DVD	593
Lenoxx	DVD	560, 826
Lexia	DVD	857
Lexicon	DVD	743
LG	DVD	615, 673, 824, 899
Lifetec	DVD	634
Limit	DVD	857
Liquid Video	DVD	564
LiteOn	DVD	602, 610
Loewe	DVD	746
LogicLab	DVD	857
Logix	DVD	852
Lumatron	DVD	673, 824
Luxman	DVD	844
Luxor	DVD	848
Magnavox	DVD	565, 570, 577, 601, 617, 650, 658, 661, 672, 674, 679, 854
Malata	DVD	747
Marantz	DVD	565, 577
Memorex	DVD	709
Microsoft	DVD	703, 720, 749, 816
Mintek	DVD	710
Mitsubishi	DVD	767
Momitsu	DVD	748
NAD	DVD	673, 824
Nakamichi	DVD	596
Nesa	DVD	835
Next Base	DVD	680
Nexxtech	DVD	599
Niro	DVD	750

Nissoho Iwai	DVD	718
Norcent	DVD	634, 711
Onkyo	DVD	551, 672
Oppo	DVD	556
Optiview	DVD	687
Oritron	DVD	564, 723
Panasonic	DVD	624, 627, 638, 662, 663, 672, 699, 714, 716, 734, 737, 813, 840, 841, 855
Philco	DVD	686
Phillips	DVD	565, 572, 577, 617, 672, 764, 766, 873, 874
Pioneer	DVD	665, 719, 812, 877, 879, 880
Polaroid	DVD	586, 617, 635, 636, 640, 647, 651, 677, 851
Polk Audio	DVD	565, 577
Portland	DVD	751
Presidian	DVD	617
Prima	DVD	759
Princeton	DVD	760
Proceed	DVD	654, 655, 744
Proscan	DVD	703, 720, 749, 816
Provision	DVD	761
Pye	DVD	674
Qwestar	DVD	723
RCA	DVD	616, 666, 690, 703, 719, 720, 749, 765, 816, 835, 842, 901
Regent	DVD	560
Rio	DVD	683
Rotel	DVD	553, 850, 861
Rowa	DVD	555
Saba	DVD	762
Sampo	DVD	724
Samsung	DVD	571, 606, 643, 644, 652, 667, 668, 691, 699, 716, 740, 741, 805, 820, 821, 844, 845, 849, 866, 869, 875, 881, 895, 896, 900
Sansui	DVD	656, 725, 754, 815
Sanyo	DVD	609, 656, 659, 815
Sensory Science	DVD	610
Sharp	DVD	573, 617, 669, 727, 865, 903
Sharper Image	DVD	763
Sherwood	DVD	870
Shinco	DVD	589
Shinsonic	DVD	731

Sigma Designs	DVD	760
SonicBlue	DVD	683
Sony	DVD	582, 613, 618, 632, 670, 671, 729, 730, 731, 817, 818, 827, 830, 831, 832, 836, 838, 843, 846, 847, 858, 868, 883, 884, 902
Sungale	DVD	597
Superscan	DVD	570
SVA	DVD	800
Sylvania	DVD	570, 617, 619, 631, 639, 645, 658, 764, 829
Symphonic	DVD	617, 658
Teac	DVD	732, 765
Technics	DVD	699, 716, 733
Techwood	DVD	664
Terapin	DVD	887
Theta Digital	DVD	719
TiVo	DVD	888
Toshiba	DVD	575, 583, 584, 646, 648, 656, 672, 735, 736, 814, 815, 819, 825, 828, 834, 893, 894
Tredex	DVD	889
Trutech	DVD	833
TView	DVD	687
Urban Concepts	DVD	672
US Logic	DVD	681
Venturer	DVD	765
Vizio	DVD	897
Vocopro	DVD	890
Westinghouse	DVD	629
Xbox	DVD	703, 720, 749, 816
Xwave	DVD	891
Yamaha	DVD	565, 577, 699, 716, 737, 739, 85

Stereo Amplifier Codes

BRAND	CATEGORY	CODE
Accuphase	Amplifier	690
Acoustic Research	Amplifier	703, 853
Acurus	Amplifier	691
ADC	Amplifier	652

Adcom	Amplifier	690
Admiral	Amplifier	747
Aiwa	Amplifier	636, 667, 681, 718, 720, 725, 730, 839
Akai	Amplifier	740
Alco	Amplifier	659
Alpine	Amplifier	749
Altec Lansing	Amplifier	738
AMC	Amplifier	855
Amphion Media Works	Amplifier	660
Amplifier Technologies	Amplifier	710
AMW	Amplifier	660
Anam	Amplifier	653
Angstrom	Amplifier	692
Anthem	Amplifier	750
Apex	Amplifier	812
Aragon	Amplifier	691
Arcam	Amplifier	726
Atlantic Technology	Amplifier	712
Audio Research	Amplifier	751
Audio Source	Amplifier	693
Audiotronic	Amplifier	685
Audiovox	Amplifier	669, 826
B&K	Amplifier	752
Bang & Olufsen	Amplifier	676
Bel Canto Design	Amplifier	690
Biamp	Amplifier	695
Blaupunkt	Amplifier	854
BOSE	Amplifier	639, 656, 761
Boston Acoustics	Amplifier	713
Brix	Amplifier	744
Brumester	Amplifier	647
California Audio Labsr	Amplifier	686
Cambridge SoundWorks	Amplifier	831
Capetronic	Amplifier	652
Carver	Amplifier	685, 725
Cary Audio Design	Amplifier	689
Casio	Amplifier	717
CCE	Amplifier	802

Chase Technologies	Amplifier	687
CinemaSound	Amplifier	696
Clarinette	Amplifier	717
Clarion	Amplifier	753
Classe	Amplifier	697
Classic	Amplifier	819
Coby	Amplifier	811
Counterpoint	Amplifier	754
Craig	Amplifier	856
Creative	Amplifier	723
Criterion	Amplifier	734
Crown	Amplifier	857
Curtis	Amplifier	815
Curtis Mathes	Amplifier	772
Daewoo	Amplifier	727
Dell	Amplifier	729
Delphi	Amplifier	755
Denon	Amplifier	669, 670, 680, 759, 760, 762, 809
Digital Audio Control	Amplifier	688
Durabrand	Amplifier	698
Dynalab	Amplifier	858
EAD	Amplifier	756
Eclipse	Amplifier	665
Elan	Amplifier	699
Emerson	Amplifier	820
ESA	Amplifier	757
Fisher	Amplifier	850
Fosgate	Amplifier	700
Gerrard	Amplifier	851
Gateway	Amplifier	743
GE	Amplifier	638
Glory Horse	Amplifier	728
Go Video	Amplifier	742
Goldstar	Amplifier	814
GPX	Amplifier	834
Gradiente	Amplifier	682
Harmon/Kardon	Amplifier	640, 685, 725
Hitachi	Amplifier	850

Honyas	Amplifier	770
iLive	Amplifier	835
Initial	Amplifier	735
Inkel	Amplifier	714
Insignia	Amplifier	825
Integra	Amplifier	650
Jamo	Amplifier	837
JBL	Amplifier	642
Jensen	Amplifier	775
JVC	Amplifier	637, 663, 786, 827, 848
Kenwood	Amplifier	658, 662, 668, 774, 795, 828, 829, 830, 840
KLH	Amplifier	659
Knoll Systems	Amplifier	701
Koss	Amplifier	739
Lasonic	Amplifier	746
Left Coast	Amplifier	640
Lenoxx	Amplifier	736
Lexicon	Amplifier	724
LG	Amplifier	836
Linn	Amplifier	685, 725
Liquid Video	Amplifier	739
Lloyds	Amplifier	717
Logitech	Amplifier	702
Luxman	Amplifier	704
LXI	Amplifier	716
Magnadyne	Amplifier	776
Magnavox	Amplifier	652, 654, 685, 725
Marantz	Amplifier	640, 645, 685, 725, 764
Mark Levinson	Amplifier	705
McIntosh	Amplifier	706
MCS	Amplifier	719
Memorex	Amplifier	777
Midland	Amplifier	707
Mitsubishi	Amplifier	859
Modulaire	Amplifier	717
Motorola	Amplifier	737
NAD	Amplifier	648
Nakamichi	Amplifier	649

NEC	Amplifier	641
Nexxtech	Amplifier	711
Nikko	Amplifier	708
Niro	Amplifier	779
Norcent	Amplifier	731
Nova	Amplifier	780
Omnifi	Amplifier	745
Onkyo	Amplifier	671, 785, 788, 790, 791, 838
Optimus	Amplifier	635, 652, 653, 772, 845
Oritron	Amplifier	739
Panasonic	Amplifier	643, 677, 678, 783, 797, 799, 808, 810, 817, 818, 821
Parasound	Amplifier	647
Penney	Amplifier	717
Philco	Amplifier	781
Philips	Amplifier	640, 685, 725
Philips Magnavox	Amplifier	860
Pioneer	Amplifier	635, 652, 664, 666, 767, 772, 806, 813, 844, 845
Polaroid	Amplifier	679
Polk Audio	Amplifier	640, 645, 685, 764
Proscan	Amplifier	704, 853
Proton	Amplifier	654
Pyle	Amplifier	782
Quasar	Amplifier	799
Radio Shack	Amplifier	728
RCA	Amplifier	635, 652, 653, 659, 675, 703, 772, 842, 845, 852, 853
RCA & Dimensia	Amplifier	703, 853
Realistic	Amplifier	717
Rgente	Amplifier	736
Rio	Amplifier	661
Rotel	Amplifier	674
Saba	Amplifier	741
Samsung	Amplifier	807
Sansui	Amplifier	685, 725
Sanyo	Amplifier	824, 850
Schneider	Amplifier	787
Scientific Atlanta	Amplifier	721
Scott	Amplifier	715
Sharp	Amplifier	832

Sharper Image	Amplifier	728
Sherwood	Amplifier	833
Shinsonic	Amplifier	789
Shure	Amplifier	641
Sonic Blue	Amplifier	661
Sony	Amplifier	683, 730, 765, 766, 769, 771, 773, 778, 784, 793, 794, 803, 846
Soundesign	Amplifier	638
Soundmatters	Amplifier	763
Soundstream	Amplifier	709
Stereophonics	Amplifier	635, 845
STS	Amplifier	792
Sunfire	Amplifier	658, 840
Symphonic	Amplifier	747
Tag McLaren	Amplifier	796
Teac	Amplifier	653, 659
Technics	Amplifier	643, 672, 768, 804, 805, 808
Techwood	Amplifier	798
Thomson	Amplifier	800
Thorens	Amplifier	685
Toshiba	Amplifier	822
Vector Research	Amplifier	801
Venturer	Amplifier	659
Victor	Amplifier	637, 827
VWards	Amplifier	635, 638, 685, 725
Yamaha	Amplifier	646, 650, 651, 655, 657, 663, 684, 732, 733, 786, 823, 841, 847, 848, 849
Yorx	Amplifier	717
Zenith	Amplifier	814

Remote Combo Codes - TV/VCR

BRAND	CATEGORY	TV CODE	VCR CODE
Alwa	TV/VCR	667	501
Bang & Olufsen	TV/VCR	665	537
Colt	TV/VCR	660	535
GE	TV/VCR	661	575
Magnin	TV/VCR	661	575
Magnavox	TV/VCR	888	797
		887	797

Panasonic	TV/VCR	765	799
Penney	TV/VCR	661	675
Philips	TV/VCR	887	801
Quasar	TV/VCR	870	770
		868	770
		860	770
		860	771
		860	806
RCA	TV/VCR	503	649
		661	675
		749	775
		830	649
Samsung	TV/VCR	755	807
Sanyo	TV/VCR	661	675
Sylvania	TV/VCR	756	519

Remote Combo Codes - TV/VCR/TUNER

BRAND	CATEGORY	TV CODE	VCR CODE	TUNER CODE
Panasonic	TV/VCR/TUNER	873	783	836
		874	784	833
		875	785	826
		876	786	825
		877	787	824
		878	788	822
		879	789	821
		880	890	820
		881	891	819
		882	892	818
		883	893	817
		884	894	816
		885	895	815
		889	809	808

Remote Combo Codes - TV/DVD

BRAND	CATEGORY	TV CODE	DVD CODE
Apex	TV/DVD	757	757
Audiovox	TV/DVD	624	630
Axion	TV/DVD	636	867
Broksonic	TV/DVD	750	752
Cytron	TV/DVD	904	904
Magnavox	TV/DVD	839	650
		838	679
		811	734
Panasonic	TV/DVD	671	647
		678	677
		745	635
Polaroid	TV/DVD	830	816
		830	749
		830	703
RCA	TV/DVD	754	754
Sansui	TV/DVD	605	573
Sharp	TV/DVD	898	573
		764	764
Sylvania	TV/DVD	672	645
		777	639
		733	764
		622	815
Toshiba	TV/DVD	800	646
		908	815
		865	814
		866	815
		750	815

Remote Combo Codes - TV/DVD/TUNER

BRAND	CATEGORY	TV CODE	DVD CODE	TUNER CODE
Panasonic	TV/DVD/TUNER	811	734	678

Remote Combo Codes - DVD/VCR

BRAND	CATEGORY	DVD CODE	VCR CODE
GoVideo	DVD/VCR	693	522
		822	524
Panasonic	DVD/VCR	734	780
		734	777
RCA	DVD/VCR	690	528
Sansui	DVD/VCR	815	515
Sony	DVD/VCR	817	778

Remote Combo Codes - TV/DVD/VCR

BRAND	CATEGORY	TV CODE	DVD CODE	VCR CODE
DiamondVision	TV/DVD/VCR	659	532	641