

Wake Time

The Touchscreen Remote Control enters a power-saving “sleep mode” until you press a button. Wake time determines how long the remote control remains awake after the last button press.

Sound

The remote control has the option of making a sound whenever a button is pressed. You may select between various sounds as well as no sound.

Repeat

The remote control sends an infrared command three times by default when playing a macro or performing a search. This is consistent with the operation of nearly all consumer products. If you find your device is responding erratically (for example, the channel increases more than once when playing a macro with a channel up button), you may need to change this setting. *Note: This setting rarely needs to be changed from the factory default.*

Backlight Time

Backlight time determines how long the backlight remains lit after the  (light) button is pressed.

LCD Contrast

This enables you to adjust the LCD contrast for best viewing as the batteries drain. The LCD contrast changes as you adjust this setting. To save the setting and exit the LCD contrast adjust mode, press .

RF Finder

This enables you to turn on or off the RF Finder. Default is RF finder on. In very rare circumstances, you may find external signals causing the remote control finder to beep. Turning off the RF Finder will also greatly increase the time between battery charges.

Reset the Remote Control

All set up information including learned buttons and favorite channels are stored in special non-volatile memory so that this information is not lost when you change batteries. On rare occasions you may wish to return the Touchscreen Remote Control to the original factory settings. To reset the remote control, press the  or  buttons until you see the words

RESET PRESS 1 2 3.

Press in succession  →  → 

Caution: this will erase all set up information and macros. The remote control will be reset to its default settings.

CHARGER CRADLE

The Touchscreen Remote Control includes a special Charger Cradle that allows you to safely store the remote control while you recharge the batteries.

To use the Charger Cradle, plug the AC adapter into a wall socket and insert the remote control into the Charger Cradle.

You cannot over-charge the remote control. The charger's LED will light whenever the charger cradle is plugged in and the remote control is properly inserted. It is normal for the cradle and batteries to become slightly warm while charging.

 *When your remote control is not in use, keeping it in the charger cradle (especially overnight) will ensure it is fully charged for your next use.* 

 **IMPORTANT!** *Use rechargeable batteries only. Use of standard alkaline batteries with the charging cradle may damage the remote control and create a potential fire hazard.* 

BATTERIES

Your Touchscreen Remote Control requires four new *standard** AA rechargeable Nickel-Cadmium (Ni-Cd) or Nickel-Metal Hydride (Ni-MH) batteries. *To avoid fire hazard, use only Ni-Cd or Ni-MH rechargeable batteries with the charger cradle. Do not use ordinary alkaline batteries.* You will enjoy longer operation between charges with Ni-MH batteries.

To install the batteries, open the battery cover on the back of the remote control by pushing back on the tab and pulling out the cover. Insert four batteries in the direction indicated on the inside of the battery compartment and close the cover.

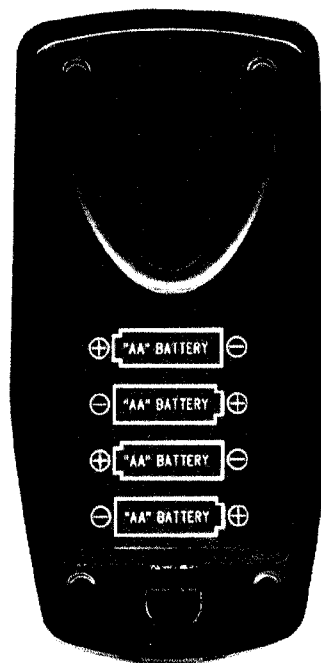
To charge the batteries, plug the power cube into a wall outlet and place the remote control on the charger stand. Prior to initial use, charge the batteries at least 4 hours. (Overnight charge recommended).

Note: if the batteries become discharged, unlike conventional remote controls, the Touchscreen Remote Control will retain its set up and programming indefinitely.

☞ *When your remote control is not in use, keeping it in the charger cradle (especially overnight) will ensure it is fully charged for your next use.* ☞

USE RECHARGEABLE AA BATTERIES ONLY

** 700 mAh Ni-Cd or 1600 mAh NI-MH preferable. NI-MH will provide longest operation between charges.*



Battery compartment

INDEX OF DEVICE CODES

Following is a list of device codes to be used when programming the remote control. Note that the first codes listed for an entertainment device brand are the latest models. You may have to try some or all of the codes for each brand before you find the proper code for your product.

Set-Up Procedure (see page 6 for details)

1. [TV], [CBL], [VCR], etc.	Press the device button.
2. [PROGRAM]	Press the [PROGRAM] button.
3. [1] → [2] → [3]	Type in the 1, 2 or 3-digit code for your TV, VCR, etc.
4. [PROGRAM]	After you have entered the correct code, press [PROGRAM].
5. [TV], [CABLE], [VCR], etc.	Repeat steps one through four for each device.

TV Device Codes

TV Manufacturer	TV Device Code
Admiral	584, 600, 648, 716, 643, 569, 710, 667
Adventura	611
Aiko	587
Aiwa	549
Akai	680, 633, 649
Alleron	584, 600
Amark	685
Anam	591, 585, 600, 635, 636
Anam National	635, 636
AOC	583, 646, 644, 557, 684
Archer	685
Audiovox	685, 671
Belcor	583
Bell and Howell	648, 584, 710, 716
Blaupunkt	589, 658
Bradford	600
Brokwood	583
Brooksonic	557
Candle	611, 637, 644, 684
Capehart	646
Carver	629
CCE	597
Celebrity	615
Centurion	563
Cetronic	600

TV Manufacturer	TV Device Code
Citizen	611, 684, 586, 589, 587, 602, 641, 637, 644
Clairtone	588
Classic	600
Clearmax	702
Colortyme	563
Comcast	673
Concerto	637, 644
Contec / Cony	600, 588
Coronado	639, 641
Craig	720, 600, 566
Croslex	717
Crown	641
CTX	208
Curtis Mathes	586, 589, 641, 684, 710, 720
CXC	600
Daewoo	583, 587, 602, 631, 630, 641, 564, 602, 627, 687, 671, 696
Daytron	641, 694, 563
Decca	604
Dumont	583
Dynasty	600
Dynatech	611
Electroband	615, 588
Electrohome	615, 563, 583

TV Manufacturer	TV Device Code
Emerson	623, 561, 565, 584, 718, 676, 566, 600, 576, 588, 590, 593, 641
Envision	684
Fisher	642, 721, 575, 597
Fortress	569
Fujitsu	584
Funai	584, 600, 619, 713, 631
Futuretech	600
GE	624, 625, 643, 645, 634, 635, 636, 582, 566, 667, 692, 704, 666, 569
Gemini	192, 216, 223
Gibraltar	583
Goldstar	583, 694, 686, 619, 618, 628, 610, 641, 637, 644, 557
Griswold	592
Grundig	625, 613, 685
Hallmark	563, 583, 623, 584
Havard	563, 600, 623
Hitachi	621, 708, 694, 599, 604, 724, 659, 679, 581, 606, 640, 641, 637, 644, 645
IMA	600
Infinity	629
Janeil	611
JBL	629
J.C. Penney	583, 583, 624, 684, 586, 589, 692, 608, 641, 643, 573
JCB	615
Jensen	583, 563
JVC	723, 722, 665, 670, 632, 603, 683
Kawasho	615, 563, 583
Kaypani	646
KEC	600, 586
Kenwood	684
Kloss	611
Kloss Novabeam	612, 613
KMC	619, 618

TV Manufacturer	TV Device Code
Konka	705
KTV	600, 641, 588, 576, 720, 715, 690, 694, 697
Linatech	592, 600
Lodgenet	711
Loewe	629
Logik	648
Luxman	637, 644
LXI	642, 712, 629, 643, 557, 721, 667, 717, 719
Macom	560
Magnasonis	685, 569, 712, 583, 629, 584, 587
Magnatron	208
Magnavox	609, 612, 613, 614, 629, 572, 578, 717, 694, 567, 574, 684, 557
Majestic	648
Marantz	684, 629
Matsui	620, 677
Megatron	685, 583, 563, 555, 797
MEI	645, 588
Memorex	642, 648
MGA	583, 695, 684, 559, 563
Midland	645, 643, 645
Minutz	624
Mitsubishi	583, 695, 633, 649, 644, 684, 559, 563, 557
Montgomery Ward	624, 625, 583, 647, 648, 609, 614, 629, 634, 572, 582, 578, 684, 820, 584, 607, 717, 718, 694
Motorola	673, 559, 569, 645, 635, 629, 615
MTC	583, 586, 589, 684, 631, 630, 637, 644, 563
Multitech	579
NAD	712, 563, 583
NEC	583, 570, 637, 644, 557
Nikei	600
Nikko	587, 563, 583
NTC	587
Onking	600

TV Manufacturer	TV Device Code
Onwa	600
Optimus	642, 647, 600, 639, 641
Optonica	647, 569
Orion	600, 584, 623
Panasonic	668, 659, 629, 645, 635, 636, 601, 650, 626, 629
Philco	629, 609, 612, 613, 614, 583, 560, 578, 717, 684, 694
Philiph	578, 609, 614
Philips	717, 629
Pilot	583, 563
Pioneer	688, 651, 640
Portland	583, 641, 693
Prism	645, 635
Proscan	583, 608, 640, 643, 634, 582, 592, 691, 558, 703, 562
Proton	605, 622, 638, 641, 646, 622
Pulsar	711
Quasar	645, 635, 636, 692, 715, 577, 668, 659, 650
Quelle	654
Radio Shack	647, 600, 639, 641, 637, 644, 557, 667, 720, 721, 695
RBM	634
RCA	583, 558, 562, 592, 608, 640, 643, 634, 557, 582, 709, 689
Realistic	642, 583, 563, 587
Rhapsody	588
Runco	646
Sampo	646, 684, 563, 583
Samsung	583, 684, 586, 589, 701, 699, 639, 641, 637, 644, 557, 694, 698
Sanyo	642, 721, 597, 575, 571
Schneider	583
Scimitsu	583
Scotch	583, 563, 646
Scott	720, 623, 584, 600, 641

TV Manufacturer	TV Device Code
Sears	642, 584, 629, 643, 637, 644, 571, 573, 557, 575, 597
Sharp	647, 641, 569, 662, 716, 718, 694
Shogun	583, 563, 646
Signature 2000	648, 710, 716, 722, 583
Simpson	578, 560
Sonic	588
Sony	689, 594, 667, 669, 548, 663, 598, 615, 620, 606, 568
Soundesign	600
Spectracon	685, 637, 600, 583
SSS	583, 600, 557
Starlite	600, 583, 623
Supre-Macy	611
Supreme	615
Sylvania	717, 609, 612, 613, 614, 629, 578, 684
Symphonic	584, 600, 714, 690, 720, 690
Tandberg	587
Tandy	633, 657, 569, 658
Tatung	636, 635
Technics	645
Technika	586, 602, 648
Technol ACE	584
Techwood	637, 644
Teknika	557, 611, 583, 584, 559, 586, 589, 587, 602, 600, 644, 637, 648, 641
Telefunken	610
Tera	605, 622, 638
Thomson	596, 595
TMK	644, 637
Tocom	617, 616, 672
Toshiba	565, 642, 707, 586, 589, 585, 573, 714, 716
Tosonic	588
Totevision	641
Triumph	638
Universal	672, 625, 607, 624

TV Manufacturer	TV Device Code
Vector Research	684
Victor	632
Video Concepts	633, 649, 583, 563
Vidtech	583, 557, 717, 724, 563
Video Tech	583, 557, 717, 724, 563
Viking	611
Wards	624, 625, 583, 647, 648, 609, 614, 629, 634, 572, 582, 578, 684, 820, 584, 607, 717, 718, 694
Yamaha	583, 684, 661, 563
Zenith	648, 709, 710, 711, 724
Zonda	685

VCR Device Codes

VCR Manufacturer	VCR Device Code
Admiral	764, 761, 749, 850, 747, 746
Adventura	821
Aiko	783
Aiwa	834, 750, 821, 820, 808, 796, 546, 544, 837, 549
Akai	780, 744, 743, 787, 762, 849, 848, 847, 846
Alba	811
Allegro	850
American High	827, 771, 798
Asha	745
Audio Dynamics	767, 768, 823, 733
Audiovox	773, 775
Beaumark	745
Bell and Howell	850
Blaupunkt	748, 753, 807, 806
Brooksonic	785, 810, 761, 764, 549, 810
Calix	773
Candle	773, 775, 823
Canon	828, 827
Capehart	850
Carver	771
CCE	783

VCR Manufacturer	VCR Device Code
Citizen	785
Colortyme	823
Colt	772
Consonic	208
Craig	731, 818, 745
Curtis Mathes	827
Cybernex	806, 745
Daewoo	783, 545
Daytron	850
DBX	767, 768
Dishnet	825
Dynatech	820, 821
Electrohome	745, 773, 835
Electroponic	773
Emerex	732
Emerson	803, 814, 820, 821, 785, 773, 760, 764, 741, 830, 829, 847, 846, 761, 734, 765
Firstline	843
Fisher	774, 736, 731, 833
Fuji	798, 823, 753, 732, 748
Funai	820, 821
Garrard	821
GE	812, 791, 547, 817, 768, 767, 751, 750, 749, 827, 749, 817
Gemini	772, 785, 767
Go Video	745, 756, 781, 842
Goldstar	823, 775, 773, 552
Gradiente	821
Griswold	841
Harman Kardon	775, 813
Harwood	772, 734
Havard	772
Headquarter	739
Hinari	846
Hi-Q	731
Hitachi	820, 737, 735, 821, 779, 841, 849, 848, 827, 750, 751, 827, 755
Instant Replay	827, 798
Inteq	773

VCR Manufacturer	VCR Device Code
J.C. Penney	745, 775, 740, 737, 827
JCL	827
Jensen	849, 848
JVC	732, 849, 848, 838, 551, 769, 733, 788, 758, 815
KASH N GOLD LTD	553
KEC	773, 783
Kenwood	739, 849, 848, 733
KLH	772
Kodak	798, 827, 773
Linatech	841
Lloyd	821, 820
Logik	772
LXI	773
LXI Combo	796
Magnasonic	783, 745, 773, 772, 767
Magnavox	770, 754, 827, 771
Magnin	745
Marantz	775, 771, 827
Marta	773
Matsushita	798, 827, 771
MEI	827
Memorex	755, 773, 731, 833, 808, 850, 827, 746, 747, 821, 820, 832
MGA	835, 847, 846, 827
Minolta	737, 841
Mitsubishi	813, 784, 762, 835, 847, 846, 827
Montgomery Ward	765, 772, 731, 737, 745, 827, 746, 747, 754, 821, 820
MTC	745, 820, 821
Multitech	772, 820, 821
NAD	839, 783
NEC	733, 730, 775, 740, 849, 848, 845, 811, 552
Neckerman	760
Nikko	773
Nikon	753
Noblex	745

VCR Manufacturer	VCR Device Code
Optimus	789, 820, 774, 773, 739, 731, 821, 745, 833, 747, 746, 827
Optonica	742, 747, 746
Orion	785, 830, 814
Panasonic	789, 798, 799, 819, 816, 757, 777, 827, 746, 782
Pentax	737, 841, 750, 751
Philco	827
Philips	844, 770, 771, 827
Pilot	773
Pioneer	839, 733
Prediwave	160, 836
Primestar	812
Proscan	749
Protec	772
Pulsar	850
Quarter	739
Quartz	739
Quasar	556, 826, 789, 827, 778, 799, 819, 816
Radioshack	798, 821, 746, 827, 739, 745, 773
Radix	773
Randex	773
RCA	812, 737, 841, 547, 807, 792, 768, 767, 754, 777, 751, 827, 749, 750
Realistic	820, 774, 773, 739, 731, 745, 833, 827, 746, 747, 821, 820
Ricoh	753
Runco	850
Salora	813
Samsung	745, 744, 554, 840
Sansui	818, 849, 848, 845, 733
Sanyo	833, 739, 731
Schneider	738
Scott	765, 764, 761
Sears	804, 827, 774, 773, 736, 739, 731, 737, 833, 841
Sharp	795, 747, 746
Shintom	772
Shogun	745, 806

VCR Manufacturer	VCR Device Code
Signature	821
Singer	745, 773, 798, 772
Sony	822, 827, 732, 748, 738, 753, 752, 800, 793, 759, 776
STS	737
Sylvania	827, 835
Symphonic	820, 821
Tandy	820, 821
Tashiko	785
Tatung	848, 849
Teac	849, 848, 821, 820
Technics	827
Teknika	773, 784, 831, 827, 821, 820
TIVO	844
TMK	741
Toshiba	765, 335, 774, 835
Totevision	773, 745
Unitech	745
Vector Research	775, 740
Victor	838, 733
Video Concepts	740, 847, 846
Videosonic	745
WEB TV	825
White Westinghouse	821
XR-1000	798, 827, 745, 772
Yamaha	843, 775, 849, 848
Zenith	773, 748, 738, 753, 797, 850
Zonda	773

Note for TV/VCR Combination Units ("Combos")

On most "combo" units, the power, channel, and tape functions operate when the VCR is selected as the source, and the volume when the TV selected as the source. However, this will vary from unit to unit. You will need to experiment to see how the buttons function for your particular system.

Cable Box Device Codes

Box Manufacturer	Cable Box Device Code
ABC	227, 231, 239
Allegro	249, 243, 208, 797
Antronix	243
Archer	208, 259, 243, 281
AT&T	238
Cabletenna	259
Cableview	259
Century	208
Citizen	208, 249
Clear Max	702
Comcast	673
Comtronics	228, 204
Consonic	208
Cox	297
CTX	208
Digital Entertainment	501
Eagle Comtronics	228
Eastern	235
Electricord	211
Emerson	295
Everquest	226, 228
Explorer	297
Explorer 2000	297
Garrard	208
GC Electronics	215
GE	266, 272
Gemini	216, 223, 219, 226, 299, 192
General Instrument	231, 229, 226, 196, 195, 187, 192, 250, 282, 238, 194
Goldstar	228
Hamilton	188, 189, 198
Hamlin	236, 240, 191, 202, 201, 277, 230, 188, 189, 198
Harmon Kardon	198
Hitachi	231
Hitex	227

Box Manufacturer	Cable Box Device Code
Jasco	208
Jerrold	231, 229, 226, 196, 195, 187, 192, 250, 282, 238, 194
Kingston	208
Macom	256
Magnatron	208
Media One	673
Memorex	797
Motorola Digital	679, 673
Movie Time	211, 207, 199
NovaPlex	222
Novavision	233, 239
NSC	207, 199
Oak	232, 227, 206
Omega	226, 228
Panasonic	197, 210, 294
Paragon	797
Philips	193, 204, 258, 251, 252, 260, 276
Pioneer	214, 220, 186
Popular Mech.	471
Primestar	194
Pulsar	797
RCA	197
Regal	236, 202, 201, 189, 198
Regency	235
Rembrandt	219
Runco	797
Samsung	228
Scientific Atlanta	233, 239, 253, 224
Signal	228
Signature	231
SL Marx	228
Sony	234
Sprucer	197, 200
Standard Compnt	217
Starcom	226, 187, 192
Stargate	228, 226, 298
Starquest	226

Box Manufacturer	Cable Box Device Code
Sylvania	237
Tandy	203
Teknika	255
Telecaption	212
Teleview	228
Texscan	237, 300
Time Warner	225
Timeless Products	213
Tocom	190
Toshiba	797
Tusa	226
TV86	296
Unika	208, 259, 243
United Artists	227
United Cable	206
Universal	211, 230, 294, 218, 208, 259, 243, 281, 277
U.S. West	813
Video Way	265
View Master	278
Viewstar	204, 209, 205, 203
Yamaha	185
West	208
Zenith	221, 247, 298

DVD Player Device Codes

DVD Manufacturer	DVD Device Code
Aiwa	465
Apex	455, 467, 449, 437
California Audio	445
Cary	459
Concept	460
Denon	472, 439, 444
Fisher	445
GE	441, 442
Goldstar	475
Harmon Kardon	468
Hitachi	447

DVD Manufacturer	DVD Device Code
JVC	454, 461
Kenwood	480
KLH	448
Kyocera	439
Magnavox	435, 478
Mitsubishi	478
Montgomer Ward	820
Myryad	466
NAD	478
Optimus	474
Oritron	457
Panasonic	452, 439, 445, 481, 482, 483, 479
Philips	435, 463
Pioneer	477, 478, 453
Popular Mech	471
Proscan	450, 441, 442
Quasar	445
RCA	450, 441, 442, 440
Realistic	474
Samsung	464
Sanyo	476, 436
Sharp	480
Sony	443
Teac	438
Technics	445, 483, 479
Theta-Digital	435
Thompson	441, 442
Toshiba	456, 451, 477, 480
Yamaha	462, 473, 471, 482
Zenith	475

DSS & Satellite Receiver Device Codes

DSS Manufacturer	DSS/SAT Device Code
Digital Entertainment	501
DishNet	502, 825
General Instrument	506, 194
Hitachi	499
Hughes	497, 493
Magnavox	505, 504
Mitsubishi	494
Montgomery Ward	820
Optimus	504
Panasonic	495
Philips	508
Primestar	194
RCA	494, 498, 503, 496, 492
Samsung	509
Sony	507, 857
Toshiba	500, 496
Uniden	505, 504
Yamaha	185

Audio Receiver Device Codes

Audio Manufacturer	Receiver Device Code
ADC	129
Adcom	9
Aiwa	181, 109, 101, 53, 52, 182, 54, 64, 158
Akai	72
AMC	158
Anam	152
Angstrom	151
Arcam	150
Audio Access	149
Audio Alchemy	148, 147
Audio Ease	146
Audio Matrix	145

Audio Manufacturer	Receiver Device Code
Audio Technica	28
B & K	144, 143
Bose	77, 109, 18
Carver	104
Casio	74
Chiro	142
Cinema Sound	28
Citation	128
Clairtone	103
Clarion	103
Curtis Mathes	74
Denon	38, 55, 61, 62, 46, 70, 60, 59, 58, 57
Enlightened Audio	140
Fisher	71, 104
Fosgate	153
GE	138
Harmon Kardon	22, 13, 32, 17, 19
Hitachi	89
Inkel	43
JBL	22
JC Penny	45, 74
Jensen	137
JVC	27, 123, 112, 100, 67
Kenwood	80, 117, 116, 104, 103, 102, 113, 43, 44, 63, 12
Kinergetics	136
Koss	45
Krell	165
Kyocera	129
Lexicon	135, 179, 134, 133
LKI	74
Luxman	132, 132, 130, 139
LXI	74
Magnavox	83, 115
Marantz	14, 20, 23, 169, 15
Mcintosh	141
MCS	74
Meridian	177, 176, 175

Audio Manufacturer	Receiver Device Code
Mitsubishi	4, 21
Mondial	174, 173, 172, 171, 170
Montgomery Ward	820, 104
Myryad	5, 39
NAD	157
Nakamichi	124
NEC	107
Onkyo	26, 37, 65, 10
Optimus	86, 72, 180
Panasonic	8, 88, 50, 106, 47
Parasound	167, 168
Philips	36, 52
Pioneer	35, 91, 90, 120, 87, 78, 73, 122, 114, 127, 85
Proscan	550
Quasar	8
RCA	34, 33, 8, 83
Realistic	76, 75
Rotel	164, 166, 154
Sansui	40, 11
Sanyo	71, 82
Sears	74
Sharp	126, 119, 103
Sherwood	1, 7, 28
Sony	2, 91, 84, 125, 99, 41, 69, 66, 90
Soundesign	178
Soundstream	162
SSI	161
Sumo	160
Taekwang	72
Teac	40, 93, 98, 124, 48, 42, 414
Technics	47, 49, 96, 95, 30, 56, 105, 106, 121, 107
Theta Digital	159
Toshiba	81, 111
Wards	820, 104
Yamaha	97, 94, 29, 79, 110, 108, 51, 68, 21, 473, 25, 16
Zenith	118

Notes for audio, tape, and CD components:

Combination units require that the remote control be set up separately for the receiver, CD, and tape player. For full functionality, you will need to program the Audio/CD/Tape codes from the respective tables.

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CD Player Device Codes

CD Manufacturer	CD Player Device Code
Adcom	350, 377
Aiwa	347, 374, 312, 403, 375, 376
Akai	320, 417
AMC	388
Audio Access	340
Audio Technica	361
BSR	345, 355
Carrera	355
Carver	343, 373, 382, 393, 318, 336, 323, 331, 330
Cary	362
Crown	351
Daewoo	305
Denon	319
Emerson	429
Escient	303
Fisher	432, 343, 336, 382
GE	768, 817, 547, 548, 812, 791, 441, 442, 667, 692, 305, 704, 138, 666
Genexxa	313, 332
Goldstar	366
Haitai	308
Harmon Kardon	385, 352, 386, 349, 372

CD Manufacturer	CD Player Device Code
Hitachi	581, 827, 750, 751, 779, 821, 820, 659, 679, 499, 89, 724, 694, 724, 694, 708, 333, 350
Inkel	327, 328
JCPenny	321, 353, 310
Jensen	426
JVC	665, 461, 551, 360, 123, 112, 100, 67, 420, 419, 538, 540, 722, 723, 383, 769
Kardon	352, 385, 386, 372
Kenwood	418, 335, 363, 357, 381, 369, 342, 329, 684, 382
Koss	353
Krell	408
KTV	305
Kyocera	333
Lotte	332
Luxman	317, 367, 371, 378
LXI	425, 347
Magnavox	415, 427, 305
Marantz	423, 368, 354, 367, 396, 398
MCIntosh	384
MCS	310, 321
Memorex	313
Mitsubishi	305
Mitsumi	364
Montgomery Ward	820, 305, 382
Myryad	315, 309
NAD	333, 373, 400
Nakamichi	401, 423, 387, 307
NEC	321, 377, 305
Nikko	361
Onkyo	379, 346, 348, 383, 392
Optimus	821, 820, 789, 474, 86, 72, 313, 343, 355, 325, 314, 320, 180
Panasonic	650, 819, 659, 668, 799, 798, 789, 294, 439, 445, 481, 482, 483, 479, 88, 50
Parasound	409

CD Manufacturer	CD Player Device Code
Phillips	415, 399
Pioneer	313, 334, 365, 380, 356, 390, 389
Portland	305
Procede	407
Proscan	703, 562
Proton	302, 304
Quasar	445, 715, 692, 556, 826
RCA	751, 777, 562, 558, 754, 767, 768, 34, 33, 8, 792, 807, 817, 809, 547, 812, 313
RCX	382
Realistic	350, 343, 354, 373, 332, 329, 403
Rotel	416
Samsung	305
Sansui	391, 338, 397, 414, 423
Sanyo	343, 432
Scott	332
Sears	571, 573, 557, 575, 597, 827, 804, 74, 425
Sharp	400, 354, 431
Sherwood	394, 324, 354, 371, 314, 306, 316, 340
Sony	663, 548, 669, 800, 793, 443, 91, 84, 125, 99, 41, 69, 66, 529, 667, 689, 395
Soundesign	406
Sylvania	305
Symphonic	359
Taekwang	320
Tandy	313
Teac	380, 344, 354, 359, 337, 311, 409, 414, 432, 430
Technics	422, 421, 405
Techwood	367
Theta Digital	408
Toshiba	373, 322, 400, 326
Vector Research	366
Wards	820, 305, 382
Yamaha	413, 412, 341, 361, 358, 370

Tape & Cassette Player Device Codes

Drive Manufacturer	Tape and Cassette Device Code
Aiwa	525, 534, 535
Denon	522
Fisher	531
Harmon-Kardon	513
JVC	538, 540
Kenwood	523, 521
Magnavox	512
Marantz	512
Montgomery Ward	820
Nakamichi	524
Onkyo	533, 519, 517
Panasonic	516
Philips	512, 536
Pioneer	539, 532
Proton	514
RCA	527, 530
Runco	541
Sansui	524, 526
Sharp	522
Sherwood	543
Sony	529
Teac	518, 537
Technics	528, 516
Yamaha	520, 510

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Miscellaneous

Miscellaneous Device	Device Code
Escient CD Organizer	303
Lutron Light Controller	542
Panasonic Hard Disk	782
Philips CDR	399
Philips PVR	844
Prediwave PVR	836
Replay TV	798, 782, 827
Runco	31, 541
Sony Video Projector	663
Sony PVR	759, 776
TIVO	759, 776, 844
WebTV	825
X10	511

Note for TV/VCR Combination Units (“Combos”)

On most “combo” units, the power, channel, and tape functions operate when the VCR is selected as the source, and the volume when the TV selected as the source. However, this will vary from unit to unit. You will need to experiment to see how the buttons function for your particular system.

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WARRANTY, TECHNICAL SUPPORT, AND COPYRIGHT INFORMATION

Kash N Gold Ltd.

Sole Distributors For TELEMANIA™ Products

Limited Warranty

Kash N Gold warrants to the original purchaser that this product is free from defective materials and workmanship for a period of 1 year from date of original purchase.

Should a failure occur in normal usage during the 1 year warranty period. Kash N Gold will repair or, in its discretion, replace this product without charge (except for a \$10 charge to cover: handling, packing, and return postage or freight). This warranty excludes (A) Damages due to misuse, negligence abuse or accidents. (B) Repairs by persons not authorized by Kash N Gold and (C) AC cords, or other accessories where applicable (D) Installation, improper maintenance or commercial use (E) Cracked or broken cabinets (F) Acts of GOD.

When returning this product (A) Enclose a copy of your sales slip to verify warranty service. (B) Include explanation of defect problem (C) Enclose check or money order for \$10 payable to Kash N Gold Ltd. (D) Forward prepaid and insured.

All products sent after the warranty period or without proof of date of sale will be serviced on an out-of-warranty basis.

This warranty is valid only in the United States, and does not extend to owners of the product subsequent to the original purchaser.

In the United States, this warranty gives you specific legal, rights, and your rights may vary from state to state.

Kash N Gold Ltd.

1 Trade Zone Court, Ronkonkoma,
NY 11779, U.S.A.
1-800-354-8785

In accordance with "Moss Magnuson warranty act" of July 10, 1975 this is termed a "Limited" warranty, which in no way compromises Kash N Gold high standards of quality and workmanship.

InVoca is a trademark of Kash'N Gold Ltd.

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For support and service, visit the **inVoca** Web site at www.invoca.com or
call
1 (800) 200-7700

Requires 4 AA batteries (Not Included)
USE RECHARGEABLE NICKEL-CADMIUM (Ni-Cd) or
Nickel-Metal Hydride (Ni-MH) BATTERIES ONLY
Use of standard alkaline batteries with the charging cradle may damage inVoca.

Telemania Model: **inVoca** Touchscreen Remote

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful
interference, and (2) this device must accept any
interference received, including interference that
may cause undesired operation.

TELEMANIA™

inVoca

Touchscreen Remote



TESTED TO COMPLY WITH
FCC STANDARDS

FOR HOME OR OFFICE USE

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY
RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED
MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS
COULD VOID THE USER'S AUTHORITY TO OPERATE THE
EQUIPMENT.