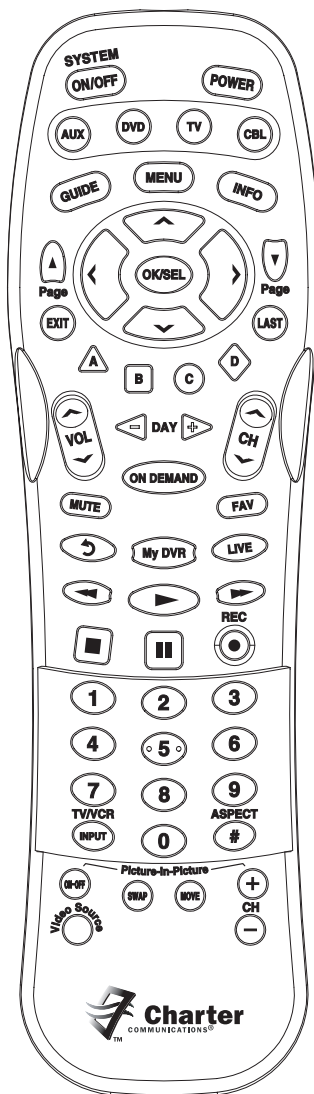# Operating Instructions For 4-Function Cable Remote Control

UR4U-MDVR-CHD2

Universal Remote Control, Inc.
www.universalremote.com
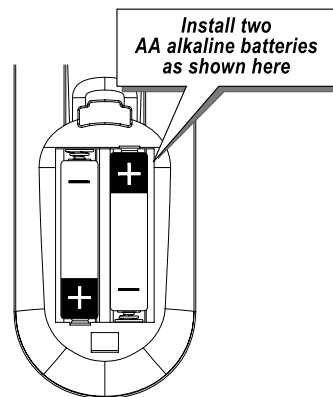OCE-0053A REV 11(07/13/09)

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① Introduction

This remote control is designed to operate all Motorola and Scientific Atlanta digital set top boxes (including HD and DVR), plus the majority of TVs, VCRs, DVDs and AUDIO equipment on the market as shown below.

CABLE : Cable Converters
DVD : DVDs, TV/DVDs, VCRs and TV/VCRs
AUX : Audio Receivers and DVRs, etc.
TV : Televisions

② Replacing Batteries

Before you program or operate this remote control, you must first install two new AA Alkaline batteries.

STEP1 Remove the battery compartment cover on the back of your remote control.

STEP2 Check battery polarity carefully, and install the batteries as shown in the illustration below.

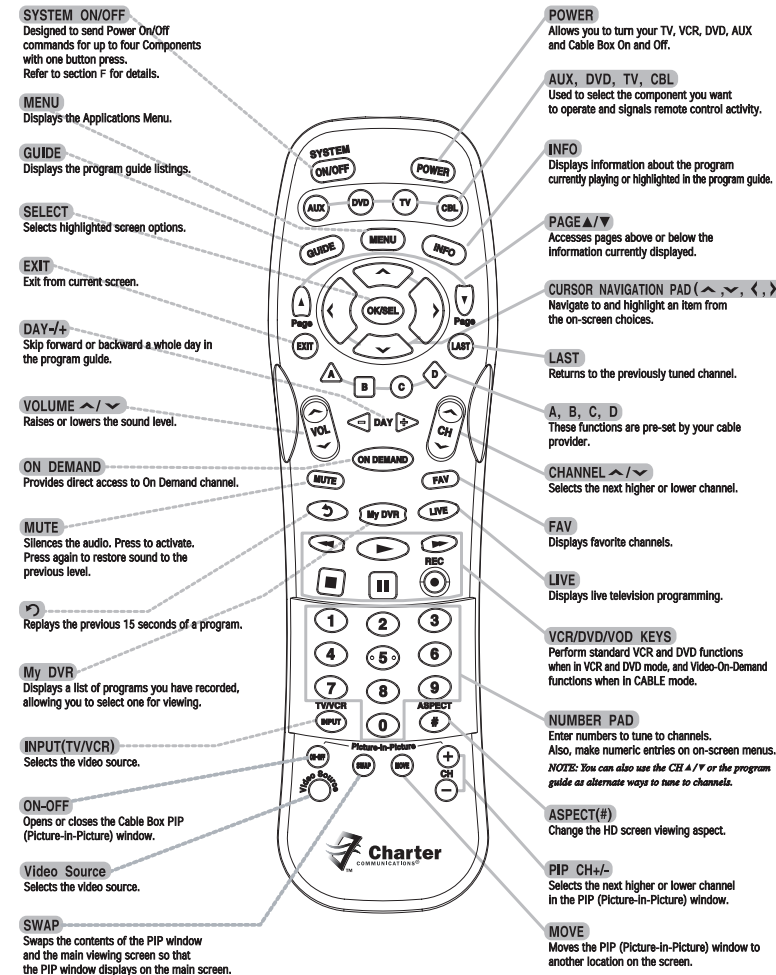**STEP3** Replace the battery compartment cover.

Install two AA alkaline batteries as shown here

③ Operations

DEFAULT STATUS:

Component Default: CABLE

Channel Default: CABLE channel +/- and numbers operate through the CABLE box. You have the option of controlling channel +/- and numbers through the TV, VCR or DVD. Refer to section **G** for programming steps.

Volume Default: CABLE volume +/- and mute operate through the TV. You have the option of controlling volume through the Cable box, VCR or DVD. Refer to section **H** for programming steps.

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④ Button Functions

SYSTEM ON/OFF
Designed to send Power On/Off commands for up to four Components with one button press.
Refer to section F for details.

MENU
Displays the Applications Menu.

GUIDE
Displays the program guide listings.

SELECT
Selects highlighted screen options.

EXIT
Exit from current screen.

DAY-/+
Skip forward or backward a whole day in the program guide.

VOLUME ∧/∨
Raises or lowers the sound level.

ON DEMAND
Provides direct access to On Demand channel.

MUTE
Silences the audio. Press to activate. Press again to restore sound to the previous level.

↩
Replays the previous 15 seconds of a program.

My DVR
Displays a list of programs you have recorded, allowing you to select one for viewing.

INPUT(TV/VCR)
Selects the video source.

ON-OFF
Opens or closes the Cable Box PIP (Picture-in-Picture) window.

Video Source
Selects the video source.

SWAP
Swaps the contents of the PIP window and the main viewing screen so that the PIP window displays on the main screen.

POWER
Allows you to turn your TV, VCR, DVD, AUX and Cable Box On and Off.

AUX, DVD, TV, CBL
Used to select the component you want to operate and signals remote control activity.

INFO
Displays information about the program currently playing or highlighted in the program guide.

PAGE ▲/▼
Accesses pages above or below the information currently displayed.

CURSOR NAVIGATION PAD (∧, ∨, ‹, ›)
Navigate to and highlight an item from the on-screen choices.

LAST
Returns to the previously tuned channel.

A, B, C, D
These functions are pre-set by your cable provider.

CHANNEL ∧/∨
Selects the next higher or lower channel.

FAV
Displays favorite channels.

LIVE
Displays live television programming.

VCR/DVD/VOD KEYS
Perform standard VCR and DVD functions when in VCR and DVD mode, and Video-On-Demand functions when in CABLE mode.

NUMBER PAD
Enter numbers to tune to channels.
Also, make numeric entries on on-screen menus.
NOTE: You can also use the CH ▲/▼ or the program guide as alternate ways to tune to channels.

ASPECT(#)
Change the HD screen viewing aspect.

PIP CH+/-
Selects the next higher or lower channel in the PIP (Picture-in-Picture) window.

MOVE
Moves the PIP (Picture-in-Picture) window to another location on the screen.

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⑤ Programming the Remote Control

There are three ways you can program your remote control:

* **Quick Set-Up Method**
* **The Pre-Programmed 3-Digit Code Method**
* **The Auto-Search Method**

The Quick Set-Up Method is a unique new feature that enables the fastest and easiest set-up by using one-digit codes for up to 10 major brands for each component.

The Pre-Programmed Code Method allows you to setup all the buttons at once by entering 3-digit code numbers that correspond to a particular Component's manufacturer/brand, so it's the fastest and easiest of the two methods. (Code Tables are on the backside of this Instruction Sheet.) The Auto-Search Method scans through all the codes in the remote control, one at a time.

IMPORTANT SETUP NOTES:

This pertains to all programming steps. When you are in setup mode in each component, a component LED will light up for 30 seconds. If you do not press a button within 30 seconds, the LED light will turn off and exit setup mode and you will need to start over.

When programming a combo unit, program as a VCR or DVD first.

A. Quick Set-Up Method

STEP1 Turn on the device you want to program- to program your TV, turn the TV on.

STEP2 Point the remote at the TV and press and hold the TV key for 3 seconds. While Holding the TV key, the TV LED will light off and on again. Begin to press the number keys, one at a time, starting with 1, then 2, 3…0 until the TV turns off.

STEP3 Release the TV key to save the code. The TV LED will blink twice to confirm the code is stored.

Repeat these steps for your DVD, Aux, etc.

B. Pre-Programmed 3-Digit Code Method

STEP1 Turn on the Component you want to program (TV, VCR, DVD or AUX).

STEP2 Press the [COMPONENT] button (TV, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds indicating the unit is ready to be programmed.

STEP3 Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

Note : If the 3-digit code number you just entered is correct, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.

STEP4 After you've entered the correct code number and the Component has turned Off, press the [POWER] button to turn the Component back On. Now it's time to test the VOLUME and MUTE buttons for the TV (or PLAY and STOP buttons for VCR and DVD) to make sure they all work. If any of the functions do not work as they should, repeat from STEP 3 using the next 3-digit code number listed for that brand.

STEP5 Once you have found the correct 3-digit code, save it by pressing the same [COMPONENT] button one more time. The Component LED light will blink twice to confirm that the code was successfully stored.

Now, program the rest of your Components by repeating STEPS 1-5.

Note : If the Pre-Programmed Method did not work, or if the Code Tables do not list your Component brand, use the Auto-Search Method as explained in Section B.

C. Auto-Search Method

STEP1 Turn on the Component you want to program (TV, VCR, DVD or AUX).

STEP2 Press the [COMPONENT] button (TV, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds indicating the unit is ready to be programmed.

STEP3 Point the remote toward the Component and press the [CH ▲] or [CH ▼] button one step at a time or keep it pressed. The remote will emit a series of ON/OFF commands. Release the [CH ▲] or [CH ▼] button as soon as the Component turns Off.

STEP4 Test functions. (Same as for 3-Digit Code Programming Method - Section A). If any of the functions do not work as they should, repeat from STEP 3 using [CH ▲] or [CH ▼] buttons to find the correct code.

STEP5 Save the code. (Same as for 3-Digit Code Programming Method - Section A).

Now, repeat the Auto-Search Method for those Components you could not program earlier with the Pre-Programmed Method.

D. Finding a Component Button's Setup Code Number

If you used the Auto-Search Method to program a Component, you may not know what the correct code number is. Here is a way for you to identify the code number, so you can record it for future reference.

STEP1 Press the [COMPONENT] button (TV, DVD or AUX) you want to verify and the [OK/SEL] button simultaneously for 3 seconds. The Component LED will light for 30 seconds.

STEP2 Press the [INFO] button and count the number of times the Component LED light blinks. This number indicates the first digit of the code, followed by the second and third, each separated by a one second pause when the LED will turn off.

Note : 10 blinks represents the number zero.
Example : One blink, (pause), eight blinks, (pause) and three blinks, indicates code number 183.

E. AUX Function: Programming a 4th Component

You can take advantage of the AUX function to program a 4th Component such as a second TV, VCR, DVD or Audio Component.

STEP1 Turn on the 4th Component you want to program (TV, VCR, DVD or Audio).

STEP2 Press the [AUX] button and the [OK/SEL] button simultaneously for 3 seconds. The [AUX] Component LED will light for 30 seconds.

STEP3 Press the [COMPONENT] button you want to setup. Point the remote control toward the Component and enter the 3-digit code number assigned to your brand.

Note : If the 3-digit code number you just entered is the correct number, the Component will turn Off. If it did not turn Off, continue entering code numbers listed for that brand until the Component turns Off.

STEP4 Test functions. (Same as for 3-Digit Code Programming Method - Section A). If any of the functions do not work as they should, you need to find a new code.

STEP5 Once you have found the correct 3-digit code, save it by pressing the [AUX] button one more time. The Component LED light will blink twice to confirm the code was stored. Now when you press the AUX button, all the buttons will work with that 4th Component.

F. Programming the System On/Off Button

This allows you to program the System On/Off button so it can send up to four power On/Off commands with one button press.

STEP1 Press the [CBL] button.

STEP2 Press the [SYSTEM ON/OFF] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will light for 30 seconds.

STEP3 Press the first [COMPONENT] button you want to store in the [SYSTEM ON/OFF] button and then the [POWER] button. Repeat this for other Components until you have stored all the desired power commands into the [SYSTEM ON/OFF] button.

STEP4 Press the [CH+] button to save the power commands you stored. The [CBL] button will blink twice to confirm the commands have been saved.

G. Programming Channel Control

You can program the channel controls (Channel Up, Channel Down, Last and Numbers) from one Component to operate in another Component mode. Default channel control settings on the remote control are as follows:

CBL : CBL		**TV** : CBL
DVD : DVD		**AUX** : AUX

If you wish to operate the TV channel control in TV mode, use the following steps.

STEP1 Press the [TV] button and the [OK/SEL] button simultaneously for 3 seconds. The [TV] Component LED will light for 30 seconds.

STEP2 Press the [VOL -] button.

STEP3 Press the [TV] button again. The Component LED will blink twice to confirm the programming.

To return to original state:
If you wish to restore the CABLE channel control in TV mode, repeat the above steps but press [CBL] in **STEP3**.

H. Programming Volume Control

You can program the volume controls (Volume Up, Volume Down and Mute) from one Component to operate in another Component mode. Default volume control settings on the remote control are as follows:

CBL : TV		**TV** : TV
DVD : TV		**AUX** : AUX

If you wish to operate the CBL volume control in CBL mode, use the following steps.

STEP1 Press the [CBL] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will light for 30 seconds.

STEP2 Press the [VOL +] button.

STEP3 Press the [CBL] button. The Component LED will blink twice to confirm the programming.

To return to original state:
If you wish to restore the TV volume control in CBL mode, repeat the above steps but press [TV] in **STEP3**.

I. Programming a Favorite Channel

See on-screen Guide Menu.

J. Low Battery Warning

When the batteries are low and need to be replaced with fresh batteries, the Component LED lights will blink 2 times in sequence whenever a [POWER] button is pressed to turn on equipment.

K. Memory Lock System

This remote control is designed to retain programmed memory for 10 years even after batteries are removed from the remote control.

L. Record Your Component Set-up Codes

TV	Set-up Code Number:	☐☐☐
DVD	Set-up Code Number:	☐☐☐
AUX	Set-up Code Number:	☐☐☐

6 Set-up Code Tables

CABLE Converter

Remote	Converter	Code No
UR4U-MDVR-CHD2	All Motorola digital set top boxes (including HD & DVR)	002
	All Scientific Atlanta digital set top boxes (including HD & DVR)	001
	nFusion FTA receivers	192
	MOXI HD DVR set top boxes	003
	SKY +HD set top boxes	230
	SKY HD set top boxes	204
	TELNET HD box	354
	WEGENER	004

TV

Manufacturer/Brand	Set-Up Code Number
ABEX	025
ADMIRAL	072 251 333
ADVENT	247 388
ADVENTURA	002
AIKO	103
ALERON	028
A MARK	112
AMERICA ACTION	043
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	197 112 058 363
APEX	572
APEX DIGITAL	006
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	076 654 388
AVION	441
BELCOR	363
BELL&HOWELL	072 333
BRADFORD	043
BROKSONIC	238
BROCKWOOD	363
CAIRN	201
CANDLE	197 002 003 363
CAPEHART	058
CELEBRITY	001
CENTURION	197
CETRONIC	043
CITIZEN	197 002 003 043 103 363 258
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COLORTYME	197 363
CONCIERGE	073
CONCERTO	363
CONTEC	043 050 051
CORNEA	363
CRAIG	043 054
CROSLEY	164
CROWN	043
CURTIS MATHES	197 363 258
CXC	043
DAEWOO	016 043 044 076 103 363
DAYTRON	363
DELL	320 319 363
DIGITAL PROJECTION	570
DIMENSIA	333
DREAMVISION	235
DUKANE	025 011
DUMONT	073 363
DURABRAND	096
DWIN	177 257
DYNASTY	043
DYNATECH	062
DYNEX	400
EIKI	187
ELECTROBAND	001
ELECTROGRAPH	466
ELECTROHOME	024 076
ELEKTRA	072
ELEMENT	363 494
EMERSON	028 048 043 155 005 197 047 050 051 076 096 151 153 363 514
ENVISION	197 363
EPSON	324 590
ESA	387
FISHER	007 057
FUJITSU	246 198 346
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268
GE	144 165 073 197 008 009 034 056 074 130 155 363 333
GEM	387
GIBRALTER	073 363
GOLDSTAR	102 106 112 363
GRUNPY	028 043
HAIER	363 501
HALL MARK	363
HANNSPREE	381
HARLEY DAVIDSON	028
HARVARD	043
HAVERMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442
HITACHI	011 007 009 010 012 023 075 158 072 363 587
HP	378 316 327 421
HUMAX	518
HYUNDAI	337 338
ILO	472 400
INFINITY	164
INFOCUS	333 547 548 470
INSIGNIA	350 400 052 164 403 454 457
INTEQ	073
JANEIL	002
JBL	164
JCB	001
JCPENNEY	024 197 008 009 030 065 363 258 333
JENSEN	013
JVC	038 034 001 083 210 240 406
KAWASHO	001 197 363
KEC	043
KENWOOD	197 001
KLEGG	466
KLOSS	002 059
KONKA	457
KREISEN	530
KTV	043 197
KURAZAI	072
LG	363 102 106 112 569
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	363
LXI	007 138 052 164 251 333
MAGNAVOX	164 059 197 003 060 061 063 064 022 094 226 390 363 467 431 333
MAJESTIC	072 333
MARANTZ	197 164 272 562 584
MATSUI	164
MATSUSHITA	080
MAXENT	242
MEGATRON	197 011 363
MEMOREX	007 072 363
MGA	197 024 028 042 363
MIDLAND	073 333
MINTEK	362
MINUTZ	008
MITSUBISHI	124 109 024 028 040 042 146 191 363
MONTGOMERY WARD	072 333
MOTOROLA	081
MTC	197 062 363 258
MULTITECH	043
NAD	138 025
NEC	272 130 134 197 040 016 024 056 019 237 262
NET TV	242
NIKEI	043
NIKKO	197 363
NIKO	527
NORCENT	390
NTC	103
NUVISION	351 567
OLEVIA	432 363 144 333
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265 270
ORION	096
PANASONIC	080 034 056 164 208 552
PHILCO	197 003 059 060 064 164 024 056 063 363
PHILIPS	164 005 093 038 007 024 056 206 431 363 333 594
PILOT	363
PIONEER	234 135 025 197 018 023 374 393 272 363
POLAROID	388 328 353 354 355 356 494 387 505 506 508
PORTLAND	363
PRISM	034
PROSCAN	144 165 167 333
PROTON	112 058 171 172 193 363 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
PULSAR	073 363
QUASAR	034 056
RADIO SHACK	019 043 363
RCA	333 165 065 144 197 024 056 152 023 074 363 588
REALISTIC	007 019 043 047
REVOLUTION HD	466
RUNCO	072 169 178 179 180 181 182 073 395 416
SAMPO	197 058 242 363
SAMSUNG	258 050 089 105 228 229 363 333
SAMSUX	197
SANSEI	076
SANSUI	096 400
SANYO	007 020 053 057 082 187
SCEPTRE	276
SCOTCH	197 363
SCOTT	028 043 048 363 497
SEARS	138 030 007 028 057 094 082 165 363 333
SELECO	189 200 205 011
SHARP	251 019 014 028 029 022 175 363
SHENG CHIA	081
SHERWOOD	349
SHOGUN	363
SIGNATURE	072
SIMPSON	003
SONY	001 185 085
SOUNDESIGN	028 003 043 363
SOYO	528
SPECTRICON	112
SPECTRONIQ	499 500
SQUAREVIEW	052
STARLITE	043
SSS	043 363
SUPRA	363
SUPRE MACY	002
SUPREME	001
SVA	328
SYLVANIA	197 003 052 059 060 063 064 164 044 514 333 593
SYMPHONIC	052
SYNTAX OLEVIA	432 363 144 333
TANDY	251
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	557
TECHWOOD	363
TEKNIKA	002 003 024 028 043 072 363 258
TELERENT	072
TERA	172
TMK	363
TNCI	073
TOSHIBA	138 030 007 040 062 325 258
TRUTECH	529
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	146
VIDIKRON	174 188 164
VIDITECH	363
VIEWSONIC	242 389
VIKING	002
VIORE	472 592
VISCO	494
VITO	363
VIZIO	386 387
WARDS	008 009 019 028 060 061 063 064 072 074 164 034 363
WAYCON	015
WESTINGHOUSE	076 276 435 001
WINBOOK	339
YAMAHA	197 371 372 363
YORK	363
YUPITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

DVD

Manufacturer/Brand	Set-Up Code Number
ADCOM	157
AIWA	146
AKAI	281
ALLEGRO	146
APEX DIGITAL	087 111 115
ARCAM	122
BLAUPUNKT	111
BROKSONIC	130
CAMBRIDGE AUDIO	323 333
CARY AUDIO DESIGN	266
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	173 138 329
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ENTERPRISE	091
FISHER	147
FUNAI	143
GE	027
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	091 096
INTEGRA	180 273 338
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265 268
LEXICON	148
LG	091 057
MAGNAVOX	066 096
MARANTZ	083 095 332
MALATA	267
MERIDIAN	153
MICROSOFT	027
MINTEK	111 282
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
NESA	111
ONKYO	076 141 180 273 338
OPTIMUS	023
OPPO	266 341
ORION	130
PANASONIC	042 138 144 150 285
PARASOUND	245
PHILIPS	066 083 095 166 276 317 344
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304
POLAROID	233
POLK AUDIO	141 066
PROSCAN	027
RCA	027 307
RIO	091
RJTECH	269
SAMSUNG	070 165 137 159 275
SANSUI	154
SANYO	147
SEARS	143
SENSORY SCIENCE	222
SHARP	094
SHERWOOD	245
SHINSONIC	033
SONIC BLUE	091
SONY	001 033 145 191 286 241 242 243 340 343
SPECTRONIQ	310
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHNICS	042
TECHWOOD	088
THETA DIGITAL	023
THOMPSON	027
TOSHIBA	130 141 164 188 273
URBAN CONCEPTS	141
VENTURER	149
VINC	308
X-BOX	027
YAMAHA	042 089 166 197 138
ZENITH	057 091

DVD-DVD Recorders

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	220 221 222
CYBERHOME	271
ILO	268
KISS	279
LITEON	265 268
PANASONIC	138
PHILIPS	317
RCA	027
SAMSUNG	301
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188 273

DVD-TV/DVD Combos

Manufacturer/Brand	Set-Up Code Number
AKAI	281
AIWA	146
AUDIOVOX	284
DURABRAND	143
ESA	143
FUNAI	143
INSIGNIA	292 297 143
MINTEK	282
POLAROID	284 295 297
SAMSUNG	165
SYLVANIA	143
SYMPHONIC	143
SV2000	143
TOSHIBA	130
TRUTECH	293

DVD-TV/DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
EMERSON	143
MAGNAVOX	143
PANASONIC	144
SUPERSCAN	143
SYLVANIA	143
TOSHIBA	164

DVD-DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	137
PANASONIC	150
PHILIPS	066 (VCR Functions for VCR 567)
RCA	027 (VCR Functions for VCR 644)
SAMSUNG	137 159
SANSUI	154
SONY	145
TOSHIBA	141
ZENITH	091 (VCR Functions for VCR 601)

DVD-VCR

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	649
ADVENTURA	534
AIKO	617
AIWA	534
AKAI	516 646 543 624
AMERICA ACTION	617
AMERICAN HIGH	645
AMPRO	572
ANAM	645
ASHA	602
AUDIO DYNAMICS	512 523 539 543
AUDIOVOX	601
BEAUMARK	602
BROKSONIC	629
CALIX	601
CANON	645
CAPEHART	608
CCE	524 617
CITIZEN	601 617
COLT	524
CRAIG	503 522 602
CURTIS MATHES	645
CYBERNEX	602
DAEWOO	616 617 507 510 608 620
DAYTRON	608
DBX	512 523 539 543
DYNATECH	534 649
ELECTROHOME	559
ELECTROPHONIC	601
EMERSON	506 534 601 629 631 653 616 645 620
FISHER	503 510 508 509
FUJI	645
FUNAI	534
GARRARD	534
GE	572 647 563 644 645
GO VIDEO	602
GOLDSTAR	601 520 512 623
GRADIENTE	534
HARLEY DAVIDSON	534
HARMAN KARDON	512
HARWOOD	524
HITACHI	504 534 543 563 637 520
HQ	534
INSTANTREPLAY	645
JCL	645
JCPENNEY	512 515 601 520 602
JENSEN	543
JVC	548 543 555 512 550 645
KEC	601
KENWOOD	548 534
KLH	524
KODAK	601 645
LG	601 520 512 623
LLOYD	534
LOGIK	524
LXI	534 503 509 620 601
MAGIN	602
MAGNAVOX	567 534 568 645
MARANTZ	567 569 512 645
MARTA	601
MATSUI	530
MATSUSHITA	645
MEI	645
MEMOREX	601 503 510 534 572 602 634 645 649
MGA	559
MGN TECHNOLOGY	602
MINOLTA	520
MITSUBISHI	559 520 668
MOTOROLA	645 649
MTC	534 602
MULTITECH	524 534
NEC	512 523 539 543 548
NIKKO	601
NOBLEX	602
NORDMENDE	543
OLYMPUS	645
OPTIMUS	601
OPTONICA	649
PANASONIC	644 647 658 645 520 534 602
PENTAX	520 563 645
PHILCO	534 567 645
PHILIPS	567 534 601 645
PILOT	601
PIONEER	520 548
PORTLAND	608
PROFITRONIC	602
PROTEC	524
PULSAR	572
QUARTZ	502
QUASAR	645 575
RADIO SHACK	623
RADIX	601
RANDEX	601
RCA	644 647 658 645 520 534 602
REALISTIC	503 508 510 534 601 602 645 649
RICO	558
RUNCO	648
SAMSUNG	602 604 620 644 647
SANKY	649
SANSUI	522 543 548
SANYO	503 510 507 634 602
SCOTT	620 629 631
SEARS	503 508 510 520 601 509 573 620
SHARP	659 645 649
SHINTOM	524
SHOGUN	602
SIGNATURE	534
SINGER	524
SONY	501 557 558 503 654 645 649
SOUNDESIGN	534
SSS	520
SYLVANIA	534 559 567 645
SYMPHONIC	534
TANDY	510 534
TATUNG	539 543
TEAC	534 539 543
TECHNICS	570 645
TEKNIKA	519 534 601 645
THOMAS	534
TMK	506
TOSHIBA	631 508 559 520 602
TOTEVISION	601 602
UNITECH	602
VECTOR RESEARCH	512
VICTOR	548
VIDEO CONCEPTS	512 534
VIDEOSONIC	602
VILLAIN	534
WARDS	503 520 524 534 631 602 645 620 649
WESTINGHOUSE	524
XR-1000	524 534 645
YAMAHA	512 534 539 543
ZENITH	572 548 601 534 558 501

DVD-TV/VCR Combos

Manufacturer/Brand	Set-Up Code Number
AMERICA ACTION	617
DAEWOO	617
EMERSON	653
FUNAI	534
GOLDSTAR	601 623
HARLEY DAVIDSON	534
HITACHI	534
JCPENNEY	601
LG	601 623
LLOYD	534
LOGIK	524
MAGNAVOX	534 567
MEMOREX	601
PANASONIC	570 667
PHILIPS	534 567
RADIO SHACK	623
RCA	534
SEARS	601
SONY	557 654
SYLVANIA	567

AUX-AUDIO

Manufacturer/Brand	Set-Up Code Number
ADC	007
ADCOM	082 092 225 161 269 356
AIWA	170 018 104 202 203 213 211 188
AKAI	189
AMC	125 126 127 281 282
ANGSTROM	142
ANTHEM	335 337
ARAGON	687
ARCAM	141 077
ATLANTIC TECHNOLOGY	342
AUDIO FILE	071
AUDIO MATRIX	167
AUDIO TECHNICA	134
B & K	096 097
BOSE	070 170 224 347 409 460
BOSTON ACOUSTICS	447
CAMBRIGE AUDIO	684
CARVER	006 028 061 071 201 214 226 185 013 077 264
CARY AUDIO DESIGN	443
CINEMA SOUND	134
CITATION	148
CLARION	026
DELPHI	556
DENON	109 215 230 234 330 340 679 569
ELAN	057 290
ENLIGHTENED AUDIO	099 098
FISHER	214 297 066
FLEXTRONICS	443
FOSGATE AUDIONICS	148 342
GE	056
GOLDSTAR	008
HARMAN KARDON	148 233 077 028 118 318
HITACHI	020
INSIGNIA	589
INTEGRA	275 017 046 108 080 209
JAMO	398
JCPENNEY	216
JENSEN	058
JVC	163 191 114 279 291
KENWOOD	026 066 145 192 005 280
KLEGG	686
KLH	331
KLIPSCH	687
KOSS	216 573
KRELL	072 384 672
KYOCERA	007
LEXICON	120 235 236 237 357 360
LINN	124 377
LUXMAN	009 139 052 165 115 004
LXI	056
MAGNAVOX	086 164 152 077
MARANTZ	006 028 031 040 063 185 186 265 119 289 296 492
MCINTOSH	238 286
MERIDIAN	012 013 628
MITSUBISHI	242 204
MONDIAL	157 158 042 043 081 112
MYRYAD	077
NAD	186 113
NAKAMICHI	040 244 245 172 183 287
NEC	176
NIRO	343
NILES	403
ONKYO	275 017 046 108 080 209
OPTIMUS	026 041
OUTLAW	342
PANASONIC	032 195 219 177 292 626
PARASOUND	129 130 132 261 294 295 333 334
PHILIPS	249 250 063 119
PIONEER	014 039 044 069 168 116 035 198 480 556
POLKAUDIO	556 685
PROCEED	144 268
RCA	010 048 117 156 067 288
REALISTIC	019 056 073 075 095
ROTEL	074 083 085 654
SAMSUNG	016 653
SANSUI	040 048 110 119 065 228
SANYO	214
SCOTT	019 091
SHARP	026 094 175 652
SHERWOOD	024 102 106 447 370
SIRIUS	555
SONY	001 018 248 166 101 184 218 271 560
SOUNDESIGN	036
SSI	068
SUNFIRE	344 345 066
TEAC	005 019 049 040 212 217
TECHNICS	122 176 193 219 178 177 200 257 262
THETA DIGITAL	136
TOSHIBA	060 087 198 278
XM SATELLITE RADIO	556
YAMAHA	026 253 169 067 173 205 264 232 089 264 274 740 715
ZENITH	143 210

AUX-DVR(TIVO)

Manufacturer/Brand	Set-Up Code Number
DIRECTV	819
HUGHES	817
HUMAX	817
PHILIPS	790 817
RCA	809
REPLAY NETWORKS	775
SONY	804 805
TIVO	790 817
TOSHIBA	817

AUX-iPod Controls

Manufacturer/Brand	Set-Up Code Number
APPLE / iPod	901 912 476
BOSE	909
TEN TECHNOLOGY	901

AUX-Media PCs

Manufacturer/Brand	Set-Up Code Number
DELL	761
GATEWAY	761
HP	761
SONY	761
TOSHIBA	761
WINBOOK	761

AUX-Gaming Systems

Manufacturer/Brand	Set-Up Code Number
MICROSOFT / XBOX	607 908
SONY / PS2	914

AUX-Lighting Controls

Manufacturer/Brand	Set-Up Code Number
LUTRON	341 658
X-10	683

AUX-Digital to Analog Converter box

Manufacturer/Brand	Set-Up Code Number
ZINWELL	593