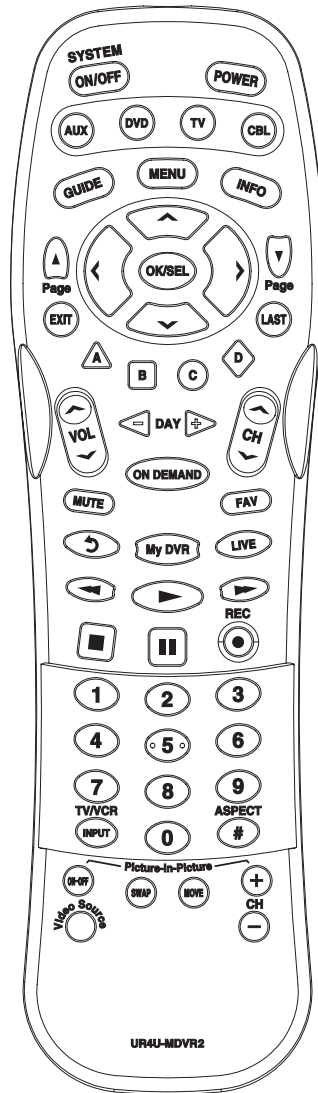


Operating Instructions For 4-Function Cable Remote Control

UR4U-MDVR2



Universal Remote Control, Inc.
www.universalremote.com
OCE-0053B REV 08 (06/01/09)

1 Introduction

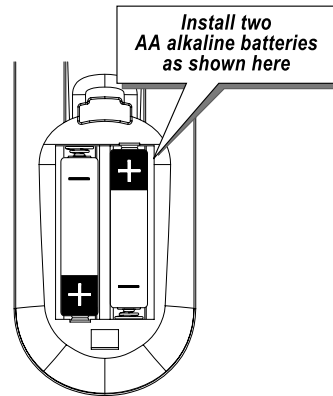
This remote control is designed to operate all Motorola and Scientific Atlanta digital set top boxes (including HD and DVR), plus the majority of TVs, VCRs, DVDs and AUDIO equipment on the market as shown below.

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

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.



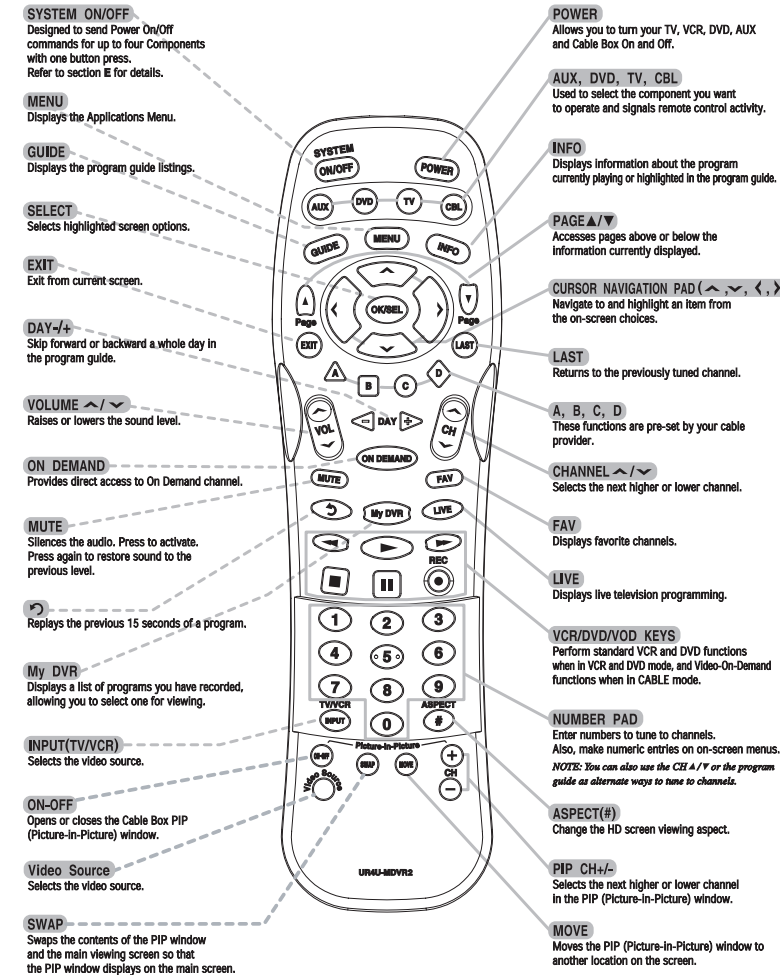
3 Operations

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 F 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 G for programming steps.

4 Button Functions



5 Programming the Remote Control

There are two ways you can program your remote control:

- * **The Pre-Programmed 3-Digit Code Method**
- * **The Auto-Search Method**

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. 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.*

B. 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.

C. 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.*

D. 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.

E. 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.

F. 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**.

G. 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**.

H. Programming a Favorite Channel

See on-screen Guide Menu.

I. 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.

J. Memory Lock System

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

K. Record Your Component Set-up Codes

TV	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
DVD	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
AUX	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>

6 Set-up Code Tables

CABLE Converter

Remote	Converter	Code No
UR4U-MDVR2	All Motorola digital set top boxes (including HD & DVR)	002
	All Scientific Atlanta digital set top boxes (including HD & DVR)	001
	MOXI HD DVR set top boxes	003
	SKY+HD set top boxes	230

TV

Manufacturer/Brand	Set-Up Code Number
ABEX	025
ADMIRAL	072 251 333
ADVENT	247 388
ADVENTURA	002
AIKO	103
ALERON	028
AKAI	197 146 248 404 405 473 475 387
A MARK	112
AMERICA ACTION	043
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	197 112 058 363
APEX DIGITAL	006
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	076 454 388
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
CONCERGE	073
CONCERTO	363
CONTIC	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
ENI	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
ESA	387
FSHER	007 057
FUJITSU	246 198 346
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268

TV

Manufacturer/Brand	Set-Up Code Number
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
HAER	363 501
HALL MARK	363
HAINSPREE	381
HARLEY DAVIDSON	028
HARVARD	043
HAVEMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442
HITACHI	011 007 009 010 012 023 075 158 072 363
HP	378 316 327 421
HUMAX	518
HYUNDAI	337 338
ILO	472
INFINITY	164
INFOCUS	333 547 548 470
INSIGNIA	350 400 052 164 403 454 457
INTEQ	073
JAMIEI	002
JBL	164
JCB	001
JEPHNEY	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
KRESEN	530
KTY	043 197
KURAZAI	072
LG	363 102 106 112 569
LODGENET	072
LOEWI	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
MAESTIC	072 333
MAARITZ	197 164 272
MAISUI	164
MAISUSHITA	080
MAKENT	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
NIKKI	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	164 005 093 038 197 003 059 206 431 363 333
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

TV

Manufacturer/Brand	Set-Up Code Number
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
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
SCPTIRE	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 CHA	081
SHERWOOD	349
SHOGUN	363
SIGNATURE	072
SIMPSON	003
SONY	001 185 085
SOUNDDESIGN	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
SWA	328
SYLVANIA	197 003 052 059 060 063 064 164 044 514 333
SYMPHONIC	052
SYNTAX OLEVIA	432 363 144 333
TANDY	251
TATUNG	056 062
TECHNICS	034 080
TECHNO LACE	028
TECHVIEW	557
TECHWOOD	363
TEKONIKA	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
VIDEOTECH	363
VIEWSONIC	242 389
VIKING	002
VIQRE	472
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
AINWA	146
AKAI	281

DVD

Manufacturer/Brand	Set-Up Code Number
ALLEGRO	091
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
FSHER	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
MAARITZ	083 095 332
MALATA	267
MERIDIAN	153
MICROSOFT	027
MINTEK	111 282
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
NEEA	111
ONKYO	076 141 180 273 338
OPTIMUS	023
OPPO	266
ORION	130
PANASONIC	042 138 144 150 285
PARASOUND	245
PHILIPS	066 083 095 166 276 317
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	130
SENSORY SCIENCE	222
SHARP	094
SHERWOOD	245
SHINSONIC	033
SONIC BLUE	091
SONY	001 033 145 191 286
SPECTRONIQ	310
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHNICS	042
TECHWOOD	088
THEIA DIGITAL	023
THOMPSON	027
TOSHIBA	130 141 164 188 273
URBAN CONCEPTS	141
VENTURER	149

DVD

Manufacturer/Brand	Set-Up Code Number
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
SANSUNG	301
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188 273

DVD-TV/DVD Combos

Manufacturer/Brand	Set-Up Code Number
AKAI	281
AINWA	146
AUDIOVOX	284
DURABRAND	143
ESA	143
FUNAI	143
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
MAARITZ	567 569 512 645
MARTA	601
MAISUI	530
MAISUSHITA	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
MTI	534 602
MULTITECH	524 534
NEC	512 523 539 543 548
NIKKO	601
NORBLEX	602
NORDMENDE	543
OLYMPIUS	645
OPTIMUS	601
OPTONICA	649
PANASONIC	570 645 583 633 657 514 667
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
AUDIO DYNAMICS	512 523 539 543
AUDIOVOX	601
BEAUMARK	602
BROKSONIC	629
CALIX	601
CANON	645
SCOTT	608
CAPEHART	524 617
CEC	659 645 649
CITIZEN	601 617

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)
SANSUNG	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
AINWA	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