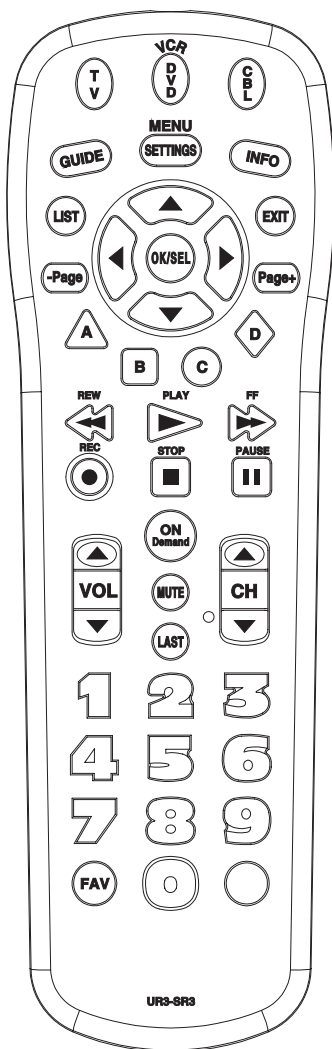


Operating Manual For Easy Clicker

UR3-SR3



Universal Remote Control, Inc.

www.universalremote.com

1 Introduction

This remote control is designed to operate most Digital and Analog Cable Boxes, as well as TVs, and a VCR or DVD player.

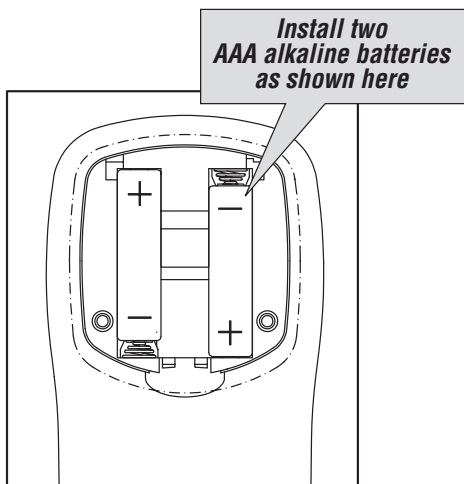
2 Replacing Batteries

Before you program or operate the remote control, you must install two new AAA alkaline batteries.

STEP1 Remove the battery compartment cover from 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 Button Functions

TV, DVD, CBL

TV, VCR/DVD, CBL: Turn power of these devices on/off.

*GUIDE

Displays the program guide listings.

LIST

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

OK/SEL

Selects highlighted screen options.

VCR/DVD - VOD KEYS

Perform standard VCR and DVD functions when in DVD mode, and Video On Demand functions when in VOD mode.

MUTE

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

VOL+/-

Raises or lowers the sound level.

LAST

Accesses the previously tuned channel.

FAV

Displays favorite channels.

*SETTINGS / MENU

Displays the settings Menu.

*INFO

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

EXIT

Exit from current screen.

PAGE+/-

Accesses pages above or below the information currently displayed.

▲, ▢, ▼, ◀

Highlight an item from the on-screen choices.

A, B, C, D

Make direct selections from on-screen menus.

ON Demand

Provides direct access to On Demand channel.

CH+/-

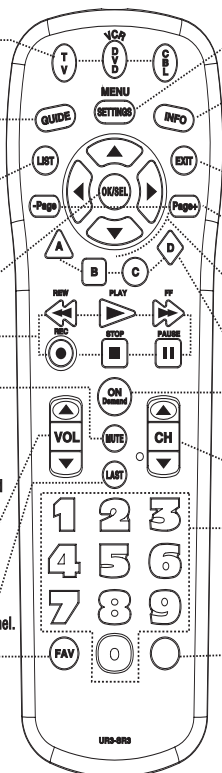
Selects the next higher or lower channel.

NUMBER Pad

Enter numbers to tune to channels. Also make numeric entries on on-screen menus. You can also use the CH+/- and the guide as alternate ways to tune to channels.

MACRO KEY

Future Use



4 Programming the Remote Control.

**Note : In this section, when you are instructed to press a [DEVICE] button, that means you should press either the CBL, TV, or DVD button, depending on which device you are programming the remote to operate.*

A. Manual Programming

The remote control can be programmed by entering a three-digit code number that corresponds to particular brands and models of equipment. The three-digit code numbers are listed in the code tables sections of this instruction manual.

- STEP1** Turn on the equipment that you want the remote control to operate Cable Box, TV and DVD(VCR).
- STEP2** Press the [DEVICE] button and the [OK/SEL] button simultaneously for three seconds. The corresponding device LED will turn on indicating that it is ready to be programmed. The LED will remain on for 20 seconds. The next step must be entered while the LED is on.
- STEP3** Point the remote control toward the equipment and enter the three-digit code number assigned to your brand from the code tables. If there are more than one three-digit number listed for your brand, try one code number at a time until your equipment turns off.

**Note : You can verify that you have selected the correct code by pressing the [MUTE] button. The equipment should turn on or off.*

- STEP4** Store the three-digit code by pressing the same [DEVICE] button once again. The device LED will blink twice to confirm that the code has been stored.

**Note : Try all the functions on the remote control. If any of the functions do not operate as they should, repeat the instructions from Step 2 using the next three-digit code number from the same brand list.*

B. Auto Search Method

If none of the three digit code numbers assigned to your brand of equipment works, or the code table does not list your brand, you can use the Auto Search Method to find the correct three-digit code number for your equipment by following steps:

- STEP1** Turn on the equipment that you want the remote control to operate (Cable Box, TV, VCR, or DVD).

STEP2 Press the [DEVICE] button and the [OK/SEL] button simultaneously for three seconds. The device LED will turn on indicating that it is ready to be programmed. The LED will remain on for 20 seconds. The next step must be entered while the LED is on.

STEP3 Press the [CH+] or [CH-] button one at a time or keep it pressed. The remote will emit a series of Power ON/OFF code signals. Release the [CH+] or [CH-] button as soon as the equipment turns off.

**Note : You can verify that you selected the correct code by pressing the [MUTE] button. The equipment should turn On or Off.*

STEP4 Press the same [DEVICE] button to store the code. The Device LED will blink twice to confirm that the code has been stored.

C. To find the Three-Digit Code that Was Programmed using the Auto Search Method

STEP1 Press the appropriate [DEVICE] button and the [OK/SEL] button simultaneously for three seconds. The device LED will turn on for 20 seconds. The next step must be performed while the LED is on.

STEP2 Press the [INFO] button. The device LED will blink a number of times indicating the number of each digit for the code. Each digit is separated by a one second interval of the LED being off.

Example : One blink, then three blinks, then eight blinks indicates the code number 138.

**Note : Ten blinks indicates the number 0.*

D. Programming a Second TV to the DVD Button

STEP1 Press the [DVD] button and the [OK/SEL] button simultaneously for 3 seconds. The DVD LED will turn on for 20 seconds. The next step must be performed while the LED is on.

STEP2 Press the [TV] button.

STEP3 Point the remote control toward the TV and enter the three-digit code for your TV from the TV codes table.

STEP4 Store the three-digit code by pressing the [DVD] button. The device LED will blink twice to confirm that the code has been stored.

E. Programming for Advanced Functions.

In the CABLE device mode, the A,B,C,D and blank macro buttons can be programmed to act as a 'Macro' or Favorite Channel button. This allows you to program up to five 2-digit channels, four 3-digit channels or three 4-digit channels that can be accessed with ONE button press.

**Note : The A,B,C and D buttons are not programmable if you have a Digital Cable Box made by Pace, Pioneer or Scientific-Atlanta.*

STEP1 Press the [CBL] button to select the CBL mode.

STEP2 Press the [MACRO] button and [OK/SEL] button simultaneously for 3 seconds. The [CBL] button will turn on for 20 seconds.

STEP3 Enter the the 2, 3 or 4-digit code for the channel you want programmed first (for example, 007) using the Number Pad, then press the [STOP] button. Then enter the code for the next channel (for example, 050), then press the [STOP] button. Repeat this process for the third channel. The [CBL] button will blink once for each channel entered.

STEP4 Press the [CH+] button to store the channels that were selected. The [CBL] button will blink twice to confirm the storage of commands.

To access the programmed channels, press the [MACRO] button once. This will bring up the first channel. Press once again and it will bring up the second channel. Press again and it will bring up the third channel.

To erase the Macro programming and return to the original function:

(STEP1) Press the [CBL] button to select the CABLE mode.

(STEP2) Press a [MACRO] button and the [OK/SEL] button simultaneously for 3 seconds. The CBL device LED will turn on for 20 seconds. The next step must be performed while the LED is on.

(STEP3) Press the [CH+] button to erase the functions stored in the button. The CBL device LED will blink twice to confirm that the memory button has been erased.

F. Assigning the Volume and Mute keys to a Different Device

By default, the VOL+, VOL- and MUTE keys operate through your TV. If you would like those keys to operate those functions on a different device, follow these steps.

(STEP1) Press the [OK/SEL] button and [CBL] button simultaneously for three seconds. The device LED will turn on for 20 seconds. The next step must be performed while the LED is on.

(STEP2) Press the [VOL +] button. The device LED will blink.

(STEP3) Press the [DEVICE] button corresponding to the device that you would like the volume and mute buttons to control. The device LED will blink twice to confirm the programming.

Example : If you wish to have the volume and mute keys operate your Cable Box, press the [CBL] button in Step3.

G. Assigning the Channel keys to a Different Device

By default, the CH+, CH-, NUMERIC and LAST keys operate through your Cable Box. If you would like those keys to operate those functions on a different device, follow these steps.

STEP1 Press the [OK/SEL] button and [CBL] button simultaneously for three seconds. The device LED will turn on for 20 seconds. The next step must be performed while the LED is on.

STEP2 Press the [VOL -] button. The device LED will blink.

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

**Note : If you wish to have the channel keys operate your Cable Box, press the [CBL] button instead of the [TV] button in Step 3.*

H. Assigning the VCR/DVD – VOD keys to control your VCR or DVD

By default, the REW, Play, FF, Record, Stop and Pause keys operate VOD (Video On Demand) through your Cable Box. If you would like those keys to operate those functions on your DVD or VCR, press the PLAY button for 3 seconds until the DVD/VCR button lights. To return to your Cable Box control, press the PLAY key again for 3 seconds until the CBL button lights.

I. Low Battery Warning

When the battery is low (2.3V-2.0V) and needs to be replaced with fresh batteries, device LED will blink 2 times in sequence whenever a [DEVICE] 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.

For additional information about your remote control, go to www.universalremote.com

5 Set-up Code Tables

CABLE TV

MAKER(BRAND) NAME	CONVERTER	CODE No
CISCO/SA	EXPLORER Series	001 007
	8600X	011
	8600	021
	8540,8570,8590	022
	8500	023
	IPN Series	051
MOTOROLA	DCT Series (DVR Model)	002
	VIP Series	053
GENERAL INSTRUMENT	DCT Series,DCH Series, CFT2200	008
	DL4,DQNV/DRX,DPBB,DPV/DP/DQN,DRZ	027
JERROLD	BMC9012/BMC9022	006
	DSR470	005
	CFT2000	012
	DRZ	024
	DL4,DP(V),DQN(V),DPBB	025
	DRX	002
	Some Model	048
	DL4,DQNV/DRX,DPBB,DPV/DP/DQN,DRZ	027
ADB	ADB Series	054 055
	ADB5810WX	115
AMINO	AmiNET Series	049
	A125, A130, A530	236 237
	A110	240 241
AT&T	U-VERSE	051
CISCO	RNG200	113
	IPN Series	051
	CIS330, CIS430	156
COMCAST	RNG200	113
DIGEO	2056-MSX	153
DIRECTV	HR20,HR21	229
ENTONE	URC PLUS	155
HAMLIN	CR6000	042
	CR6600,6800,CR83	043
	CRX5000	044
MOXI	MOXI MEDIA CENTER	006
	MOXI HD DVR	052
	2056-MSX	153
MYRIO	Evo Series	054 055
NFUSION	NUVENIO SD PHOENIX, NUVENIO HD, SOLARIS, NOVA	192
NOW TV	NOWTV	114
NSC	IM781R	046
	IM781	047

CABLE TV

MAKER(BRAND) NAME	CONVERTER	CODE No
OAK	SIGMAONE, P1,P2,P3, SIGMA 2000	037
	RTC56,RKDM	038
	SIGMA 2001,2002	039
	SIGMA 450,500,550	040
PACE	500 Series	001 007
	TDC Series	002
	DTA Series	113
	510	004
PANASONIC	140,145,170,175	030
	110,120,130,150,160	031
PIONEER	VOYAGER Series	001 007
	BA9000	013
	BA4100,4200,4500	028
	BA-V1000	029
REGENCY	ALL MODELS	045
SAMSUNG	OCAP MODELS	001 007
		130
SKY	SKY+HD	230
	SKY HD	204
SONY	DHG-M55CV	003
TELNET	RC-RW100	154
TOCOM	5507	035
	5503A	036
WEGENER	SMD 515	050
ZENITH	MN2500	032
	PM	033
	Z-TAC	034

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	072 081 160 161 096
ADVENT	147
AIWA	141 145
AKAI	070 146 004 148 124 226 104 108
AKIO	103
ALARON	028
AMARK	112 127
AMERICA ACTION	043
AMPRO	073 167
ANAM	043 054 056 080 112 131
AOC	058 070 004 112
APEX	092
APEX DIGITAL	015 150 037
AQUAVISION	097 100
AUDIOVOX	076 103 043 035 078 224
AVION	223
BAYSONIC	043
BELL&HOWELL	072
BENQ	234
BRADFORD	043
BROKSONIC	096 170
CAIRN	162
CANDLE	070 002 003 004
CAPEHART	058
CARVER	164
CELEBRITY	001
CETRONIC	043
CINERAL	103 120
CITIZEN	070 002 003 004 101 103 127
CLASSIC	043
CONCERTO	004
CONTEC	043 051
CORONADO	127
CRAIG	043 054 028
CROSLEY	164
CROWN	043 127
CURTIS MATHES	070 004 101 011 072 081 120 164 127
CXC	043
DAEWOO	076 103 112 004 127 016 043 044 125 120
DAYTRON	004 127
DELL	041
DENON	011
DIGITAL PROJECTION	090
DUMONT	004 073
DWIN	131 132 161
DYNASTY	043

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
DYNATECH	062
FISHER	007 057
ELECTROBAND	001
ELECTROHOME	024 076 127
ELEMENT	004 110
EMERSON	005 028 043 048 076 096 155 004 051 151 153 154 127 121
ENVISION	070
EPSON	087 228
ESA	031
FUJITSU	164 197 028 157 149 066 217
FUNAI	028 043 052 168
FUTURETECH	043
GATEWAY	165 031
GE	070 073 130 144 160 161 004 008 009 034 056 074 091 155 081 120
GEM	031
GIBRALTER	004 073
GOLDSTAR	004 106 112 127
GRUNPY	028 043
HAIER	004 116
HALL MARK	004
HANNSPREE	099
HARLEY DAVIDSON	028
HARMAN KARDON	164
HARVARD	043
HISENSE	198 021
HITACHI	004 007 009 011 072 010 012 023 075 158 127 174
HP	027 039 098
HUMAX	122
HYUNDAI	049 067
ILO	055 096
INFINITY	164
INFOCUS	046 215 225 233
INKEL	129
INSIGNIA	068 069 078 096 164 168
INTEQ	073
JBL	164
JCB	001
JCPENNEY	004 008 024 030 065 070 101 160 156 127
JENSEN	013
JVC	038 001 034 083 195 159 227
KENWOOD	070 001
KLEGG	220
KLOSS	002 059
KREISEN	202

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
KTV	070 043 154 127
LG	004 106 112 127 086
LODGENET	072
LOEWE	196 164
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164
MAGNAVOX	070 003 004 022 059 060 061 063 064 127 164 094 160 056 028 035 211 205 218 050 138
MAJESTIC	072
MARANTZ	164 070 143 169
MATSUI	164
MATSUSHITA	080
MAXENT	165
MEGATRON	004
MEMOREX	004 007 072 028 096
METZ	088
MGA	024 070 004 042
MIDLAND	073
MINERVA	088
MINTEK	077
MINUTZ	008
MITSUBISHI	109 024 042 004 040 146 028 124 081 200 235
MOTOROLA	081
MTC	070 004 062 101
MULTITECH	043
NAD	015 025
NEC	070 130 134 040 056 007 019 024 004 182 140
NIKEI	043
NIKKO	103
NIKO	175
NORCENT	211
NTC	103
NUVISION	084
OLEVIA	219 004 161 144 160
ONKING	043
ONWA	043
OPTIMUS	080
OPTOMA	029 032
OPTONICA	019 081
ORION	096 201 203 204 205 028
PANASONIC	034 056 080 164 190 230 248
PHILCO	070 003 004 024 056 059 060 063 064 127 164
PHILIPS	164 005 038 093 127 070 003 004 059 199 218 161 232
PIONEER	023 025 135 176 004 018 070 183 191 208 214 182

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
POLAROID	026 118 119 006
PORTLAND	004 103 127
PRISM	034
PROSCAN	144 160 161 167
PROTON	004 058 171 173 193 127 163
PROTRON	102 213 004 115
PROVIEW	110
PROX	092
QUASAR	034 056
RADIO SHACK	004 019 127 043
RCA	160 161 144 156 065 070 004 023 024 056 074 152 081 209
REALISTIC	007 019
REVOLUTION HD	220
RUNCO	072 073 130 179 180 181 182 216 194
SAMPO	070 004 058 165
SAMSUNG	004 101 127 133 160 089 105 070 184 185 192
SANSEI	120
SANSUI	096
SANYO	007 053 057 082 020
SCEPTRE	036
SCOTCH	004
SCOTT	004 005 028 043 048 127 113
SEARS	004 007 015 028 030 057 082 094 160 052 164 127
SELECO	189
SEMIVOX	043
SEMP	015
SHARP	081 014 019 028 004 022 127
SHERWOOD	128
SIGNATURE	072
SOLE	177 178
SONY	001 085 126 139
SOUNDESIGN	003 004 028 043
SOYO	163
SPECTRICON	112
SPECTRONIQ	004
SQUAREVIEW	052
SSS	004 043
STARLITE	043
SUPRE MACY	002
SUPREME	001
SVA	046
SYLVANIA	070 003 059 060 063 064 127 160 164 044 056 168 121 231
SYMPHONIC	052 168
SYNTAX OLEVIA	219 004 161 144 160

TV

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	246
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 103 164 127
TELERENT	072
TERA	172
THOMPSON	166
TNCI	073
TMK	004
TOSHIBA	015 030 007 040 062 101 142 045 137
TOTEVISION	127
TRUTECH	212
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	188 164 182
VIDTECH	004
VIEWSONIC	210 211
VIORE	055 229
VISCO	110
VIZIO	004 031 236
WARDS	004 064 164 008 009 019 028 060 061 063 072 074 070 127
WESTINGHOUSE	076 036 221 222 001
WINBOOK	079
YAMAHA	004 070 206 207
YORK	004
YUPITERU	043
ZENITH	011 072 073 095 103 096
ZONDA	112

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADMIRAL	025 053
AIKO	117
AIWA	034 101 163
AKAI	016 043 046 124 142 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031
ASHA	040
AUDIO DYNAMICS	012 023 039 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 044 046 153 231 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	024
CRAIG	003 040 022 024 101
CURTIS MATHES	031 041 156
CYBERNEX	040
DAEWOO	117 005 116 007 010 108 110 017
DAYTRON	108
DIMENSIA	156
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 035 025 027 034 036 037 046 101 131 138 017 231 031 044 037 153 157 231 117
FISHER	003 008 009 010
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 156 232 233 040 053
GO VIDEO	040 132 136
GOLDSTAR	101 123 012 013 114
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	013 026 034 063 137 047 156 031

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
HQ	034
HUGHES	013
INSTANTREPLAY	031
JCL	031
JCPENNEY	012 013 040 101 156 066 031 234
JENSEN	043
JVC	048 050 043 130 060 012 031 047 055 158
KEC	101 117
KENWOOD	014 034 047 048 023
KLH	024
KODAK	031 101
LG	101 123 012 013 114
LLOYD	034
LOGIK	024
LXI	034 003 009 017 101
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 041 068 154 160
MARANTZ	067 069 031 012 023
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	101 003 010 014 031 034 053 072 139 134 234 025 040
MGA	045 046 059 040
MGN TECHNOLOGY	040
MINOLTA	013 156
MITSUBISHI	059 061 046 051 142 013 045 162 232 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048 039
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
OPTONICA	053 054
ORION	153 231 025
PANASONIC	070 133 031 066 160 161 234
PENTAX	013 031 063 156
PHILCO	031 034 067 025

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
PHILIPS	031 067 034 101 054 071
PILOT	101
PIONEER	021 013 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
QUARTZ	002 014
QUASAR	070 133 161 031 066 160 234
RADIO SHACK	123 034
RADIX	101
RANDEX	101
RCA	107 109 144 147 013 041 034 040 156 031 140 232 233 053
REALISTIC	003 008 010 014 031 034 040 053 054 101
RICO	058 078
SALORA	014
SAMSUNG	040 032 107 109 017 113 115 124 122 159
SANKY	053
SANSUI	043 048 022 034 153 025
SANYO	003 010 007 014 134 040
SCOTT	037 044 046 131 017 159
SEARS	003 008 009 010 013 014 017 081 101 031 034
SHARP	031 054 053 143
SHINTOM	024
SHOGUN	040
SIGNATURE	034
SINGER	024
SONY	001 057 058 003 052 149 031 155 034
SOUNDESIGN	034
STS	013
SYLVANIA	031 059 034 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043 023
TEAC	034 039 043 023
TECHNICS	031 070
TEKNIKA	031 019 034 101
THOMAS	034
TMK	006 040
TOSHIBA	017 008 131 047 059 082 013 042
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012

VCR

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
VIDEO CONCEPTS	012 046 034 141
VIDEOSONIC	040
WARDS	003 013 024 031 034 040 053 054 017 131
WESTING HOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 043 034 039
ZENITH	072 080 001 048 034 101 058 025

****Note :** For TV/VCR & TV/DVD combination units,
Please use following steps to operate the volume control.*

- STEP1** Press the [CBL] button and the [OK/SEL] button simultaneously for 3 seconds. The device LED will turn on for 20 seconds. The next step must be performed while the LED is on.
- STEP2** Press the [VOL+] button.
- STEP3** Press the [DVD] button. The CBL device LED will blink twice to confirm the programming.

DVD (VCR)

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
ADCOM	203
AIWA	210 214
AKAI	239
ALPINE	179
APEX DIGITAL	240 197 247 248 196
ARCAM	165 148
AUDIOVOX	075
BOSE	244 245
CAMBRIDGE AUDIO	224 145
CARY AUDIO DESIGN	249 149
CLASSE	242
COBY	206
CYBERHOME	170 212
DAEWOO	170
DENON	184 226 225
DURABRAND	235
EMERSON	235
ESA	235
FUNAI	235
GE	188 189
GOLDSTAR	182 194
GO VIDEO	228 182 252 253 254
GRADIENTE	243
HARMAN KARDON	217
HITACHI	181
HITEKER	197
ICREALTIME	111
INSIGNIA	078 235 085 182 178
INTEGRA	208 236 238 128
JVC	185
KENWOOD	166
KISS	237
KLH	230
KOSS	243
KRELL	218
LEXICON	216
LG	182 194 105
LITEON	150
MAGNAVOX	178 191 195 235
MARANTZ	176 177 135
MCINTOSH	167
MEMOREX	222
MERIDIAN	200

DVD (VCR)

MAKER(BRAND) NAME	CODE NUMBER (3 DIGIT) LIST
MINTEK	240 196
MITSUBISHI	186
MOXI	112
MYRYAD	211
NAD	198 182
ONKYO	207 236 128
OPPO	125
OPTIMUS	187
ORITRON	243
PANASONIC	076 173 184 219 192 103 104
PARASOUND	083
PHILIPS	074 164 176 177 191 195 209 127
PIONEER	175 180 187 221 223
POLAROID	075 084 085
PRIMARE	250 251
PROCEED	172
PROSCAN	188 189
RCA	188 189 086
SANSUI	201
SANYO	215
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