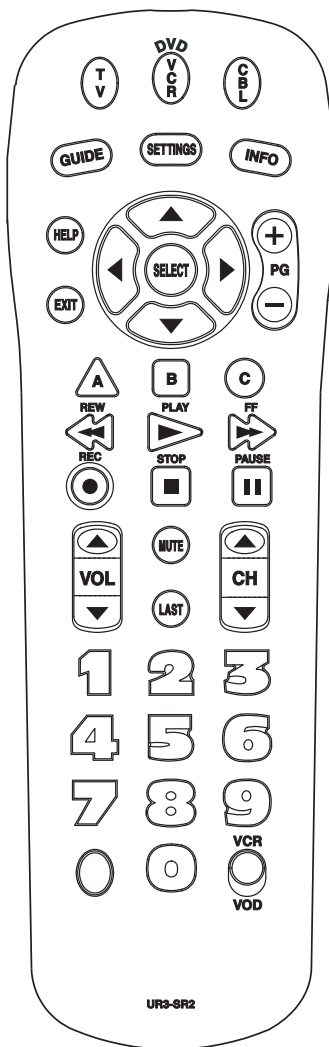


# Operating Manual For Easy Clicker

**UR3-SR2**



**Universal Remote Control, Inc.**

[www.universalremote.com](http://www.universalremote.com)

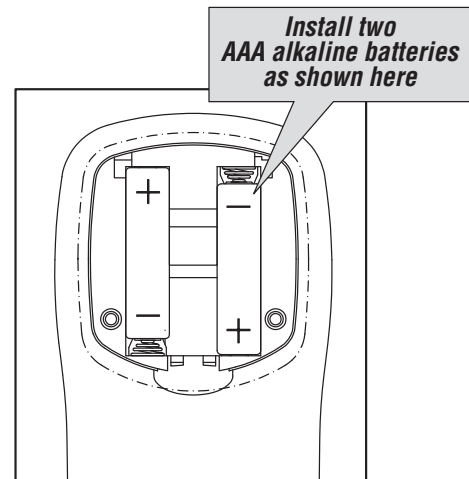
## 1 Introduction

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

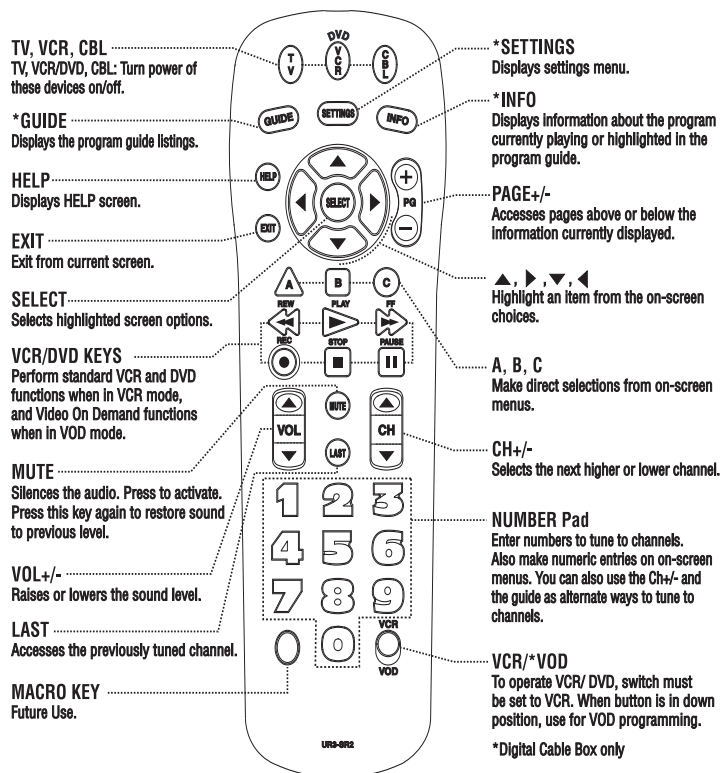
## 2 Replacing Batteries

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



### 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 VCR 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 VCR(DVD).

**STEP2** Press the [DEVICE] button and the [SELECT] 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 [SELECT] 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 [SELECT] 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 VCR Button**

**STEP1** Press the [VCR] button and the [SELECT] button simultaneously for 3 seconds. The VCR 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 [VCR] 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 and blank macro buttons can be programmed to act as macro buttons to send out up to 10 commands with one button press. In this section, when you're instructed to press a [MACRO] button, you need to press either the A, B, C or blank macro button (depending on which button you are attempting to program).

*\*Note : The A, B, and C 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 CABLE mode.

**STEP2** Press a [MACRO] button and the [SELECT] 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 up to 10 buttons you wish to store. The CBL device LED will blink once for each command entered.

- STEP4** Press the [CH+] button to store the functions that are selected. The CBL device LED will blink twice to confirm the storage of functions.

### ***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 [SELECT] 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 [SELECT] 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 [SELECT] 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. 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.

### ***I. Memory Lock System.***

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

5 Set-up Code Tables

CABLE TV

| MAKER(BRAND) NAME                         | CONVERTER                      | CODE No |
|-------------------------------------------|--------------------------------|---------|
| SCIENTIFIC ATLANTA                        | EXPLORER Series                | 001     |
|                                           | 8600X                          | 011     |
|                                           | 8600                           | 021     |
|                                           | 8540,8570,8590                 | 022     |
|                                           | 8500                           | 023     |
| MOTOROLA<br>GENERAL INSTRUMENT<br>JERROLD | DCT Series (DVR Model)         | 008     |
|                                           | DCT Series,CFT2200             | 002     |
|                                           | BMC9012/BMC9022                | 005     |
|                                           | DSR470                         | 006     |
|                                           | CFT2000                        | 012     |
|                                           | DRZ                            | 024     |
|                                           | DL4,DP(V),DQN(V),DPBB          | 025     |
|                                           | DRX                            | 002     |
|                                           | Some Model                     | 048     |
| HAMLIN                                    | CR6000                         | 042     |
|                                           | CR6600,6800,CR83               | 043     |
|                                           | CRX5000                        | 044     |
| MOXI                                      | MOXI MEDIA CENTER              | 005     |
| NSC                                       | IM781R                         | 046     |
|                                           | IM781                          | 047     |
| OAK                                       | SIGMAONE, P1,P2,P3, SIGMA 2000 | 037     |
|                                           | RTC56,RKDM                     | 038     |
|                                           | SIGMA 2001,2002                | 039     |
|                                           | SIGMA 450,500,550              | 040     |
| PACE                                      | 510                            | 004     |
| PANASONIC                                 | 140,145,170,175                | 030     |
|                                           | 110,120,130,150,160            | 031     |
| PIONEER                                   | VOYAGER Series                 | 001     |
|                                           | BA9000                         | 013     |
|                                           | BA4100,4200,4500               | 028     |
|                                           | BA-V1000                       | 029     |
| REGENCY                                   | ALL MODELS                     | 045     |
| SONY                                      | DHG-M55CV                      | 003     |
| TOCOM                                     | 5507                           | 035     |
|                                           | 5503A                          | 036     |
| 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                        |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                                 |
|-------------------|----------------------------------------------------------------------------|
| AIWA              | 238 141 145                                                                |
| AKAI              | 070 146 004 148 124 226                                                    |
| AKIO              | 103                                                                        |
| ALARON            | 028                                                                        |
| AMARK             | 112 127                                                                    |
| AMERICA ACTION    | 043                                                                        |
| AMERICAN HIGH     | 236                                                                        |
| AMPRO             | 073 167 245                                                                |
| ANAM              | 043 054 056 080 112 131 236                                                |
| AOC               | 058 070 004 112                                                            |
| APEX DIGITAL      | 015 150 037                                                                |
| AUDIOVOX          | 076 103 043 035 078                                                        |
| AVION             | 223                                                                        |
| BAYSONIC          | 043                                                                        |
| BELL&HOWELL       | 072                                                                        |
| BRADFORD          | 043                                                                        |
| BROKSONIC         | 231 252 096 170                                                            |
| CAIRN             | 162                                                                        |
| CANDLE            | 070 002 003 004                                                            |
| CANON             | 236                                                                        |
| 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             | 043 054 028 239                                                            |
| CROSLEY           | 164                                                                        |
| CROWN             | 043 127                                                                    |
| CURTIS MATHES     | 070 004 101 236 011 072 081 120 164 127                                    |
| CXC               | 043                                                                        |
| DAEWOO            | 076 103 112 004 127 016 043 044 125 120 235 249                            |
| DAYTRON           | 004 127                                                                    |
| DELL              | 041                                                                        |
| DENON             | 011                                                                        |
| DUMONT            | 004 073                                                                    |
| DWIN              | 131 132 161                                                                |
| DYNASTY           | 043                                                                        |
| DYNATECH          | 062 238                                                                    |
| ELECTROBAND       | 001                                                                        |
| ELECTROHOME       | 024 076 127                                                                |
| EMERSON           | 005 028 043 048 076 096 155 004 051 151 153 154<br>127 231 236 238 247 252 |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                                             |
|-------------------|----------------------------------------------------------------------------------------|
| ENVISION          | 070                                                                                    |
| ESA               | 031                                                                                    |
| FISHER            | 007 057                                                                                |
| FUJITSU           | 164 197 028 157 149 066 217                                                            |
| FUNAI             | 028 043 238 052 168                                                                    |
| FUTURETECH        | 043                                                                                    |
| GATEWAY           | 165 031                                                                                |
| GE                | 070 073 130 144 160 161 004 008 009 034 056 074<br>091 155 232 233 236 239 245 081 120 |
| GEM               | 031                                                                                    |
| GIBRALTER         | 004 073                                                                                |
| GO VIDEO          | 239                                                                                    |
| GOLDSTAR          | 004 106 112 127 247 250                                                                |
| GRUNPY            | 028 043                                                                                |
| HALL MARK         | 004                                                                                    |
| HARLEY DAVIDSON   | 028                                                                                    |
| HARMAN KARDON     | 164                                                                                    |
| HARVARD           | 043                                                                                    |
| HISENSE           | 198                                                                                    |
| HITACHI           | 004 007 009 011 072 010 012 023 075 158 236 238<br>127                                 |
| HP                | 027 039 098                                                                            |
| HQ                | 238                                                                                    |
| HYUNDAI           | 049 067                                                                                |
| INFINITY          | 164                                                                                    |
| INKEL             | 129                                                                                    |
| INSIGNIA          | 068 069 078 096 100 164 168                                                            |
| INSTANTREPLAY     | 236                                                                                    |
| INTEQ             | 073                                                                                    |
| JBL               | 164                                                                                    |
| JCB               | 001                                                                                    |
| JCL               | 236                                                                                    |
| JCPENNEY          | 004 008 024 030 065 070 101 160 156 234 236 239<br>247 127                             |
| JENSEN            | 013                                                                                    |
| JVC               | 038 001 034 083 195 236 242 159 227                                                    |
| KENWOOD           | 070 001 238                                                                            |
| KLEGG             | 220                                                                                    |
| KLOSS             | 002 059                                                                                |
| KTV               | 070 043 154 127                                                                        |
| LG                | 004 106 112 127 247 250                                                                |
| LLOYD             | 238                                                                                    |
| LODGENET          | 072                                                                                    |
| LOEWE             | 196 164                                                                                |
| LOGIK             | 072                                                                                    |
| LUXMAN            | 004                                                                                    |
| LXI               | 007 015 052 081 160 164 238                                                            |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                                             |
|-------------------|----------------------------------------------------------------------------------------|
| MAGIN             | 239                                                                                    |
| MAGNAVOX          | 070 003 004 022 059 060 061 063 064 127 164 094<br>160 056 236 238 243 028 035 211 205 |
| MAJESTIC          | 072                                                                                    |
| MARANTZ           | 164 070 236 243                                                                        |
| MARTA             | 247                                                                                    |
| MATSUI            | 164                                                                                    |
| MATSUSHITA        | 080                                                                                    |
| MAXENT            | 165                                                                                    |
| MEGATRON          | 004                                                                                    |
| MEI               | 236                                                                                    |
| MEMOREX           | 004 007 072 234 236 238 245 247 028 096                                                |
| METZ              | 088                                                                                    |
| MGA               | 024 070 004 042 239                                                                    |
| MIDLAND           | 073                                                                                    |
| MINERVA           | 088                                                                                    |
| MINTEK            | 077                                                                                    |
| MINUTZ            | 008                                                                                    |
| MITSUBISHI        | 109 024 042 004 040 146 028 124 232 255 081 200                                        |
| MOTOROLA          | 081                                                                                    |
| MTC               | 070 004 062 101 238 239                                                                |
| MULTITECH         | 238 043                                                                                |
| NAD               | 015 025                                                                                |
| NEC               | 070 130 134 040 056 007 019 024 004 182                                                |
| NIKEI             | 043                                                                                    |
| NIKKO             | 103                                                                                    |
| NTC               | 103                                                                                    |
| OLEVIA            | 219 004 161 144 160                                                                    |
| ONKING            | 043                                                                                    |
| ONWA              | 043                                                                                    |
| OPTIMUS           | 080                                                                                    |
| OPTOMA            | 029 032                                                                                |
| OPTONICA          | 019 081                                                                                |
| ORION             | 096 201 203 204 205 231 252 028                                                        |
| PANASONIC         | 034 056 080 164 234 236 244 190 230                                                    |
| PENTAX            | 236                                                                                    |
| PHILCO            | 070 003 004 024 056 059 060 063 064 127 164 236<br>238 243                             |
| PHILIPS           | 164 005 038 093 127 070 003 004 059 236 238 243<br>247 199 218                         |
| PILOT             | 247                                                                                    |
| PIONEER           | 023 025 135 176 004 018 070 183 191 208 214 182                                        |
| PORTLAND          | 004 103 127                                                                            |
| PRISM             | 034                                                                                    |
| PROSCAN           | 144 160 161 167                                                                        |
| PROTON            | 004 058 171 173 193 127                                                                |
| PROTRON           | 102 213                                                                                |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                                 |
|-------------------|----------------------------------------------------------------------------|
| QUASAR            | 034 056 234 236 244                                                        |
| RADIO SHACK       | 004 019 127 043 250                                                        |
| RCA               | 160 161 144 156 065 070 004 023 024 056 074 152<br>232 233 236 238 239 081 |
| REALISTIC         | 007 019 236 238 239 247                                                    |
| RICO              | 241                                                                        |
| RUNCO             | 072 073 130 179 180 181 182 216 194                                        |
| SAMPO             | 070 004 058 165                                                            |
| SAMSUNG           | 004 101 127 133 160 089 105 070 237 239 184 185<br>192                     |
| SANSEI            | 120                                                                        |
| SANSUI            | 238 252 096                                                                |
| SANYO             | 007 053 057 082 020 239                                                    |
| SCEPTRE           | 036                                                                        |
| SCOTCH            | 004                                                                        |
| SCOTT             | 004 005 028 043 048 127                                                    |
| SEARS             | 004 007 015 028 030 057 082 094 160 238 247 052<br>164 127                 |
| SELECO            | 189                                                                        |
| SEMIVOX           | 043                                                                        |
| SEMP              | 015                                                                        |
| SHARP             | 081 014 019 028 004 022 236 251 127                                        |
| SIGNATURE         | 072 238                                                                    |
| SOLE              | 177 178                                                                    |
| SONY              | 001 085 126 139 236 240 241                                                |
| SOUNDESIGN        | 003 004 028 043 238                                                        |
| SPECTRICON        | 112                                                                        |
| SQUAREVIEW        | 052                                                                        |
| SSS               | 004 043                                                                    |
| STARLITE          | 043                                                                        |
| SUPRE MACY        | 002                                                                        |
| SUPREME           | 001                                                                        |
| SVA               | 046                                                                        |
| SYLVANIA          | 070 003 059 060 063 064 127 160 164 044 056 236<br>238 243 168             |
| SYMPHONIC         | 052 238 168                                                                |
| SYNTAX OLEVIA     | 219 004 161 144 160                                                        |
| TANDY             | 081 238                                                                    |
| TATUNG            | 056 062                                                                    |
| TEAC              | 238                                                                        |
| TECHNICS          | 034 080 236 244                                                            |
| TECHNOL ACE       | 028                                                                        |
| TECHWOOD          | 004                                                                        |
| TEKNIKA           | 002 003 004 024 028 043 072 101 103 236 238 247<br>164 127                 |
| TELERENT          | 072                                                                        |
| TERA              | 172                                                                        |

TV

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                             |
|-------------------|------------------------------------------------------------------------|
| THOMPSON          | 166                                                                    |
| TNCI              | 073                                                                    |
| TMK               | 004                                                                    |
| TOSHIBA           | 015 030 007 040 062 101 142 045                                        |
| TOTEVISION        | 239 247 127                                                            |
| UNITECH           | 239                                                                    |
| UNIVERSAL         | 008 009                                                                |
| VIDEO CONCEPTS    | 146 238                                                                |
| VIDEOSONIC        | 239                                                                    |
| VIDIKRON          | 188 164 182                                                            |
| VIDTECH           | 004                                                                    |
| VIEWSONIC         | 210                                                                    |
| VIZIO             | 004 031                                                                |
| WARDS             | 004 064 164 008 009 019 028 060 061 063 072 074<br>070 127 236 238 239 |
| WESTINGHOUSE      | 076 036 221 222 001                                                    |
| YAMAHA            | 004 070 238 206 207                                                    |
| YORK              | 004                                                                    |
| YUPITERU          | 043                                                                    |
| ZENITH            | 011 072 073 095 103 238 241 245 247 096                                |
| ZONDA             | 112                                                                    |

VCR & TV/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                 |

VCR & TV/VCR

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                                         |
|-------------------|------------------------------------------------------------------------------------|
| CYBERNEX          | 040                                                                                |
| DAEWOO            | 117 005 116 007 010 065 108 110 017                                                |
| 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<br>231 031 044 037 153 157 231 117 |
| FISHER            | 003 008 009 010                                                                    |
| FUJI              | 031                                                                                |
| FUNAI             | 034                                                                                |
| GARRARD           | 034                                                                                |
| GE                | 031 072 144 147 063 107 109 156 126 232 233 040<br>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                                                    |
| 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<br>040                             |

VCR & TV/VCR

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST                                 |
|-------------------|------------------------------------------------------------|
| 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                                            |
| 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<br>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                                                        |

**VCR & TV/VCR**

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST              |
|-------------------|-----------------------------------------|
| 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                                     |
| 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 [SELECT] 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 [VCR] button. The CBL device LED will blink twice to confirm the programming.

**DVD & TV/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            |
| ARCAM             | 165                        |

**DVD & TV/DVD(VCR)**

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST |
|-------------------|----------------------------|
| AUDIOVOX          | 075                        |
| CARY AUDIO DESIGN | 249                        |
| CLASSE            | 242                        |
| COBY              | 260                        |
| CYBERHOME         | 170 212                    |
| DAEWOO            | 170                        |
| DENON             | 184 226                    |
| DURABRAND         | 235                        |
| EMERSON           | 235                        |
| ESA               | 235                        |
| FUNAI             | 235                        |
| GE                | 188 189                    |
| GOLDSTAR          | 182 194                    |
| GO VIDEO          | 228 182 252 253 254        |
| HARMAN KARDON     | 217                        |
| HITACHI           | 181                        |
| HITEKER           | 197                        |
| INSIGNIA          | 078 235                    |
| INTEGRA           | 208                        |
| JVC               | 185                        |
| KENWOOD           | 166                        |
| KISS              | 237                        |
| KLH               | 230                        |
| KRELL             | 218                        |
| LEXICON           | 216                        |
| LG                | 182 194                    |
| MAGNAVOX          | 178 191 195 235            |
| MARANTZ           | 176 177                    |
| MCINTOSH          | 167                        |
| MEMOREX           | 222                        |
| MERIDIAN          | 200                        |
| MINTEK            | 240                        |
| MITSUBISHI        | 186                        |
| MYRYAD            | 211                        |
| NAD               | 198 182                    |
| ONKYO             | 207                        |
| OPTIMUS           | 187                        |
| PANASONIC         | 076 173 184 219            |
| PHILIPS           | 074 164 176 177 191 195    |
| PIONEER           | 175 180 187 221 223        |
| POLAROID          | 075                        |
| PRIMARE           | 250 251                    |
| PROCEED           | 172                        |
| PROSCAN           | 188 189                    |
| RCA               | 188 189                    |
| SANSUI            | 201                        |
| SANYO             | 215                        |

DVD & TV/DVD(VCR)

| MAKER(BRAND) NAME | CODE NUMBER (3 DIGIT) LIST  |
|-------------------|-----------------------------|
| SAMSUNG           | 183 193 228 205 073         |
| SENSORY SCIENCE   | 254 255                     |
| SHARP             | 174                         |
| SONY              | 077 168 190 213             |
| SUPERSCAN         | 235                         |
| SV2000            | 235                         |
| SYLVANIA          | 235                         |
| SYMPHONIC         | 235                         |
| TAG McLaren       | 202                         |
| TECHNICS          | 173                         |
| THETA DIGITAL     | 187                         |
| TOSHIBA           | 169 171 191 206 227 201 236 |
| VENTURER          | 229                         |
| VINC              | 220                         |
| YAMAHA            | 199 204 246 184             |
| ZENITH            | 182 194                     |

