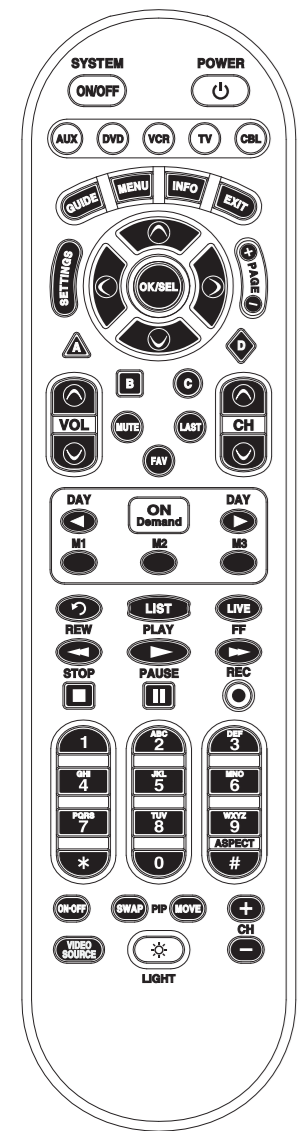


# Operating Instructions For

# CLIKR™ -5 Cable Remote Control

## UR5L-8700L & UR5L-8720L



Universal Remote Control, Inc.  
www.universallremote.com  
OCE-0060F REV 12 (08/17/11)

### 1 Introduction

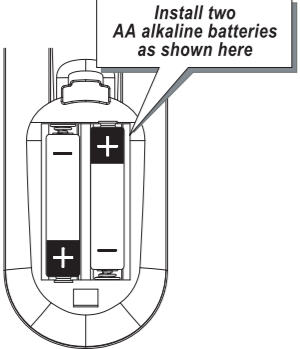
The CLIKR™-5 UR5L-8700L & UR5L-8720L are designed to operate the Scientific-Atlanta, Pioneer, Pace Micro, Samsung and Motorola digital set tops, plus the majority of TV, VCR, DVD and AUDIO equipment on the market as shown below.

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

### 2 Replacing Batteries

Before you program or operate the remote control, you must 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 STATE:** Component Default: CABLE Set Top Box (STB)  
**Channel Default:** CABLE channel and numbers through the CABLE STB. You have the option of controlling your CABLE channel and numbers through the TV or VCR. Refer to section I for programming steps.

**Volume Default:** Volume and Mute control are automatically transferred to the respective Component mode you select, as follows: CBL: Cable Set Top Box / TV: TV / AUX: AUX. Volume and Mute control for VCR and DVD are automatically transferred to the TV. However, you have the option of controlling CABLE Volume and Mute through the TV, VCR or AUX. Refer to section J for programming steps.

### 4 Button Functions

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

**MENU**  
Displays the Applications Menu.

**GUIDE**  
Displays the program guide listings.

**OK/SELECT**  
Selects highlighted screen options.

**SETTINGS**  
Displays settings menu.

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

**VOLUME ▲/▼**  
Raises or lowers the sound level.

**FAV**  
Displays favorite channels.

**ON DEMAND**  
Provides direct access to On Demand channel.

**DAY ▲/▶**  
Skip forward or backward a whole day in the program guide.

**M BUTTONS**  
Cable company custom-programmable Macros. Refer to Section K for programming steps.

**REPLAY**  
Replays the previous few seconds of a program.

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

**ON-OFF**  
Opens or closes the PIP (Picture-In-Picture) window through the Cable STB.

**VIDEO SOURCE**  
Selects the video source from available video components.

**SWAP**  
Swaps the contents of the PIP (Picture-In-Picture) window and the main viewing screen through the Cable STB 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, VCR, 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.

**EXIT**  
Exit from current screen.

**PAGE +/-**  
Accesses pages above or below the information currently displayed.

**CURSOR NAVIGATION PAD (▲, ▼, ◀, ▶)**  
Navigate to and highlight an item from the on-screen choices.

**A, B, C, D**  
Make direct selections from on-screen menus.

**CHANNEL ▲/▼**  
Selects the next higher or lower channel.

**LAST**  
Returns to the previously tuned channel.

**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 CBL ▲/▼ or the program guide to alternate ways to tune to channels.

**ASPECT/#**  
Changes the HD screen viewing aspect ratio through the Cable STB.

**PIP CH +/-**  
Selects the next higher or lower channel in the PIP (Picture-In-Picture) window through the Cable STB.

**MOVE**  
Moves the PIP (picture-in-Picture) window to another location on the screen through the Cable STB.

**LIGHT BUTTON**  
Press to backlight all keypad buttons. Press again to turn off (or simply wait 10 seconds for automatic shut-off).

### 5 Programming the Remote Control

There are two ways you can program your CLIKR™-5 remote:

- \* **The Pre-Programmed 3-Digit Code Method**
- \* **The Auto-Search Method**
- \* **The Learning 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. The Learning Method allows you to transfer functions from other remotes, one button at a time.

**IMPORTANT SETUP NOTE!**  
This pertains to all programming steps. When you are in setup mode, a component LED will light 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.

**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, VCR, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on 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 is it 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 until you find the best Component code.

**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.

**\*Note:** The LED will blink 5 times if there was an error in the learning process. In so, repeat STEPS 3 and 4. Continue learning other buttons by repeating STEPS 3 and 4.

**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, VCR, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on 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).

### C. The Learning Method

- STEP1** Press the [COMPONENT] button (TV, VCR, DVD or AUX) to be programmed and the [ASPECT] buttons simultaneously for 3 seconds until the Component LED light turns on.
- STEP2** Line up the CLIKR™-5 to the other remote, head-to-head, 1 or 2 inches apart.
- STEP3** Press any button on the CLIKR™-5 that you want to teach a command to. For example, if you want to teach the [MUTE] button, press the [MUTE] button.
- STEP4** Press and hold the [MUTE] button on the other remote until the CLIKR™-5 Component LED light blinks twice.
- STEP5** Once you have completed teaching CLIKR™-5 all desired commands for that Component, save the learned commands by pressing the [COMPONENT] and [ASPECT] buttons simultaneously until the Component LED blinks 3 times. Now test all the buttons to make sure they learned correctly.

**STEP3** To exit, press and hold both the [COMPONENT] and [ASPECT] buttons simultaneously until the Component LED blinks 3 times.

### F. Finding a Component Button's Setup Code Number

If you used either the Auto-Search or Learning Methods 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, VCR, DVD or AUX) you want to verify and the [OK/SEL] button simultaneously for 3 seconds. The Component LED light will turn on 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.

### G. AUX Function: Programming a 5<sup>th</sup> Component

You can take advantage of the AUX function to program a 5<sup>th</sup> Component such as a second TV, VCR, DVD or Audio Component.

- STEP1** Turn on the 5<sup>th</sup> 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 turn on 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.

- 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 5<sup>th</sup> Component.

**\*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.

### D. Erasing a Single Learned Command

- STEP1** Press the [COMPONENT] and [ASPECT] buttons simultaneously for 3 seconds until the Component LED light turns on.
- STEP2** Press and hold the button you want to erase for 3 seconds. The Component LED will blink twice to confirm the erasure.
- STEP3** To exit, press and hold both the [COMPONENT] and [ASPECT] buttons simultaneously until the Component LED blinks 3 times.
- 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 5<sup>th</sup> Component.

### E. Erasing All Learned Commands from One Component

- STEP1** Press the [COMPONENT] and [ASPECT] buttons simultaneously for 3 seconds until the Component LED light turns on.
- STEP2** Press and hold both the [COMPONENT] button you want to erase and the [PAUSE] button for 5 seconds. The Component LED will blink twice to confirm the erasure.

### H. Programming the System On/Off Button

This allows you to program the System On/Off button so it can send up to five 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] button will turn on 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.

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

### I. 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  
**VCR** : CBL  
**DVD** : DVD  
**AUX** : AUX

If you wish to store 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 turn on 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**.

### J. Programming Volume Control

Volume and Mute control are factory-programmed to automatically transfer to the respective Component mode you select, as follows:

- CBL** : CBL  
**TV** : TV  
**VCR** : TV  
**DVD** : TV  
**AUX** : AUX

However, you can program the volume controls (Volume Up, Volume Down and Mute) from one Component to operate in another Component.

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

### 6 Set-up Code Tables

Manufacturer/Brand	Set-Up Code Number
MOTOROLA	002 111 148
PACE	001 005 002
PIONEER	001 103 034 051 063 076 105
SAMSUNG	001 030
SCIENTIFIC ATLANTA/CISCO	001 003 041 042 045 046
A MARK	112 143
ABEX	025
ACCURIAN	036
ADMIRAL	072 251 333
ADVENT	247 388
ADVENTURA	002
AIKO	103
AKAI	116 146 248 404 405 473 475 323 387 391 615
ALBATRON	017
ALERON	028
AMERICA ACTION	043
AMPRO	073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	116 363 112 058 616
APEX	572
APEX DIGITAL	006
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	076 454 388
AVENTURA	052
AVIELO	627 628
AVION	441
AXION	039
BELCOR	116
BELL/HOWELL	333 072
BENQ	423 600
BOXLIGHT	266
BRADFORD	043
BROCKWOOD	116
BROKSONIC	238
BYDESIGN	031 032
CANDLE	116 002 003 363
CAPIHART	058
CARY AUDIO DESIGN	266
CELEBRITY	001
CENTURION	116
CETRONIC	043
CHANGHONG	247
CITIZEN	116 002 003 363 043 258 103 143
CLARION	043
CLASSIC	043
CLP CLASSIC	333
COBY	640 641
COLORTYME	116
CONCERTO	363
CONCIERGE	073
CONTEC	043 050 051
CORNEA	116
CORONADO	143
CRAIG	043 054
CROSLEY	164
CROWN	043 143
CURTIS MATHES	116 258 363 143
CXC	043
CYBERHOME	015
DAEWOO	363 016 043 044 076 103 114 125 127 143
DAYTRON	363 143
DELL	320 164 363 618
DIGITAL PROJECTION	570
DIMENSIA	333
DREAMVISION	235
DUKANE	011 025
DUMONT	116 073
DURABRAND	096 052
DWIN	257
DYNASTY	043
DYNEX	400
ENI	187
ELECTROBAND	001
ELECTROGRAPH	466
ELECTROHOME	143 024 076 196
ELEKTRA	072
ELEMENT	363 494 526 622
EMERSON	028 048 043 155 005 116 363 047 050 051 076 096 143 153 154 052 514
ENVISION	116
EPSON	324 590
ESA	323
FISHER	007 057
FUJITSU	246 198 410
FUNAI	028 043 052
FUSION	642
FUTURETECH	043
GATENWAY	242 268
GE	073 116 008 009 034 056 074 155 333 363
GEN	391
GIBRALTER	116 073
GO VIDEO	026
GOLDSTAR	113 116 102 363 106 112 127 143
GRUNPY	028 043
HAIER	363 501 623
HALL MARK	363
HANNSPREE	349 381
HARLEY DAVIDSON	028
HARVARD	043
HAYERMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442 619 630 631
HITACHI	011 166 009 010 012 023 075 143 158 072 363 250 587 613
HP	378 316 327 421
HUMAX	518
HYPERION	609
HUNDAY	337 338
ILO	472 399
INFINITY	164
INFOCUS	333 230 547 548 470 532 564 595
INITIAL	035 282
INSIGNIA	350 400 052 164 403 454 457 604 617
INTEO	073
JANIEL	002
JBL	164
JCB	001
JCPENNEY	024 116 008 009 030 065 258 143 333 363
JENSEN	013
JVC	038 034 001 083 199 210 533 581 639 406
KAWASHO	116 001
KEC	043
KEWWOOD	116 001
KLEGG	466
KLOSS	002 059
KMCC	143
KNOLL SYSTEMS	230
KONKA	457
KREISEN	530
KURV	043 116 143 154
KURAZAI	072
LG	363 113 116 102 106 112 127 143 569 284
LITEON	268
LOGGENET	072
LOEWE	164
LOGIK	072
LUXMAN	363
LXI	166 007 138 052 251 333 164
MAGNAVOX	164 059 116 003 060 061 363 127 022 333 094 226 390 467 431
MAJESTIC	333 072
MARANTZ	116 164 281 562 584
MATSUI	164
MATSUSHITA	080
MAXENT	242
MEGATRON	116 011
MEMOREX	007 072 363
MGA	116 363 024 028 042
MIDLAND	333 073
MINTEK	362
MINUITZ	008
MISAKAI	109
MITSUBISHI	124 109 024 028 040 042 146 363 348 450
MONIVISION	017
MONTGOMERY WARD	333 072
MOTOROLA	081
MYC	116 363 258
MULLITECH	043
NAD	138 025
NEC	272 197134 116 040 016 024 056 019 262 236 281 575
NET TV	242
NEXUS	620 454
NIKEI	043
NIKRO	116
NIKO	527
NORCENT	390
NORWOOD MICRO	027
NTC	103
NUVISION	351 567
OLEVIA	432 363 333
ONKING	043
ONWA	043
OPTIMUS	025
OPTOMA	265 249
OPTONICA	019 251
ORION	096
PANASONIC	080 034 056 164 208 359 552 524 607
PHILCO	116 003 059 060 164 363 024 056
PHILIPS	164 005 093 038 116 003 363 059 127 206 431 333 161 594 629
PILOT	116
PIONEER	234 135 025 018 023 116 393 272 520 582 388 323 328 353 354 355 356 494 387 391 505
POLAROID	506 508
PORTLAND	363 143
PRINCETON	004
PRISM	034
PROSCAN	333
PROTON	363 112 058 143 171 172 033 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
PULSAR	116 073
QUASAR	034 056 606
RADIO SHACK	019 363 143 043 127
RCA	333 065 116 363 024 056 152 023 074 161 588
REALISTIC	007 019 043 047
REVOLUTION HD	466
RUNCO	182 073 395 416 072 342
SAMPUNG	116 058 363 242
SAMSUNG	258 050 089 105 363 127 143 333 228 229 515
SAMSUX	116

Manufacturer/Brand	Set-Up Code Number
LITEON	268
LOGGENET	072
LOEWE	164
LOGIK	072</



Manufacturer/Brand	Set-Up Code Number
SAISEI	076
SANSUI	096 400 615
SANYO	166 007 020 053 057 082 187 511 266
SCEPTRE	276
SCOTCH	116
SCOTT	028 043 048 143 363 497
SEARS	030 363 007 028 057 143 094 333 082 166 138
SELECO	205 011
SHARP	251 019 014 028 029 363 022 143 175 308
SHENG CHIA	081
SHERWOOD	349
SHOGUN	116
SIGNATURE	072
SIMPSON	003
SONY	001 608
SOUNDESIGN	028 363 003 043
SOVA	041
SOYO	528 033
SPECTRICON	112
SPECTRONIQ	499 500
SQUAREVIEW	052
SSS	363 043
STARLITE	043
SUNBRITE	633 634 635 386
SUNBRITE TV	605
SUPERSCAN	052 081
SUPRA	116
SUPRE MACY	002
SUPREME	001
SVA	328
SYLVANIA	116 003 052 059 060 164 044 333 127 514 593
SYMPHONIC	052
SYNTAX OLEVIA	432 363 333
TANDY	251
TATUNG	056
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	045 557
TECHWOOD	363
TEKNIKA	002 003 363 024 028 043 072 258 143
TELEFUNKEN	037 046 615
TELERENT	072
TERA	172
THOMSON	049 055
TMK	363
TNCI	073
TOSHIBA	138 030 007 040 258 325 230
TOTEVISION	143
TRUTECH	529
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	146
VIDIKRON	174 164 188 192 342
VIDEOTECH	363
VIEWSONIC	242 389
VIKING	002
VIQORE	472 592
VISCO	526
VITO	363
VIZIO	386 387 624 625
WARDS	363 008 009 019 028 060 061 072 074 143 164 034
WAYCON	015
WESTINGHOUSE	076 276 435 001 280
WINBOOK	339
YAMAHA	116 363 370
YORK	363
YUPITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

Manufacturer/Brand	Set-Up Code Number
ACCURIAN	036
ADVENT	096 400 615
AKAI	404 405 473 475 323 387 391 615
AOC	116 363 616
APEX	572
APEX DIGITAL	006
AQUAVISION	573 574
ASTAR	477
AUDIOVOX	454 388 076
AVION	441
AXION	039
BENQ	600
CHANGHONG	247
COBY	641
CYBERHOME	015
DAEWOO	076 363
DELL	320 164 363
DURABRAND	052
DWIN	257
DYNEX	400
ELECTROGRAPH	466
ELEMENT	363 494 526 622
EMERSON	514 363 076 052
ESA	323
FUJITSU	246 198
FUNAI	052
FUSION	642
GATEWAY	242 268
GO VIDEO	026
HAIER	363 501 623
HANNSPREE	349 381
HISENSE	419 442 619 630 631
HITACHI	011 363 613
HP	378 316 327 421
HUMAX	518
HYPERION	609
HYUNDAI	337 338
ILO	472
INFOCUS	547 470
INITIAL	035 282
INSIGNIA	350 400 052 164 403 454 457 604 617
JVC	038 210 581 639
KLEGG	466
KONKA	457
KREISEN	530
LG	363 569 113 116 284
LITEON	268
LOEWE	164
MAGNAVOX	164 363 226 390 467 431
MARANTZ	116 164 281
MAXENT	242
MINTEK	362
MITSUBISHI	124 363
NEC	272 262 575
NEXUS	620 454
NIKO	527
NORCENT	390
NORWOOD MICRO	027
NUVISION	351 567
OLEVIA	432 363 333
PANASONIC	080 164 208 552 524
PHILIPS	164 363 431 161 594 629
PIONEER	234 135 393 272 520 582
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
PROTON	033 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
RCA	333 363 161 588
REVOLUTION HD	466

Manufacturer/Brand	Set-Up Code Number
RUNCO	395 416
SAMPO	247 388
SAMSUNG	258 228 229 515
SANSUI	096 400 615
SANYO	166 007
SCEPTRE	276
SHARP	251 363
SHERWOOD	349
SONY	001 608
SOVA	041
SOYO	528 033
SPECTRONIQ	499 500
SUNBRITE	633 634 635 386
SUNBRITE TV	605
SVA	328
SYLVANIA	052 164 333 514
SYMPHONIC	052
SYNTAX OLEVIA	432 363 333
TATUNG	056
TECHVIEW	045 557
TELEFUNKEN	615
TOSHIBA	138 258 325
TRUTECH	529
VIEWSONIC	242 389
VIQORE	472 592
VISCO	526
VITO	363
VIZIO	386 387 624 625
WESTINGHOUSE	076 276 435 001
WINBOOK	339
YAMAHA	116 363
ZENITH	363 073 072

Manufacturer/Brand	Set-Up Code Number
AKAI	404 405 473 475
DAEWOO	076
EPSON	324
HITACHI	011
HP	378
INFOCUS	333 548
JVC	038
LG	363
LOEWE	164
MAGNAVOX	164 333
MITSUBISHI	109
OPTOMA	265
PANASONIC	080 524
PHILIPS	164 431
RCA	333
SAMSUNG	258
SANSUI	166 007 187
SHARP	251
SONY	001
TOSHIBA	138
ZENITH	363 073 072

Manufacturer/Brand	Set-Up Code Number
AVILEO	627 628
BENQ	423
BOXLIGHT	266
DELL	618
DIGITAL PROJECTION	618
DREAMVISION	235
EPSON	590
FUJITSU	410
HITACHI	250
INFOCUS	230 532 564 595

Manufacturer/Brand	Set-Up Code Number
JVC	199 533 406
KNOLL SYSTEMS	230
MARANTZ	281 562 584
MITSUBISHI	348
NEC	236 281
OPTOMA	249
PANASONIC	359 607
RUNCO	342 182
SANYO	511 266
SELECO	205
SOYO	308
SHARP	205
SIMZ	230
TOSHIBA	342 174 188 192
VIDIKRON	240
YAMAHA	370

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	025 053
ADVENTURA	034
AIKO	117
AIWA	034 161
AKAI	016 146 043 124 125
AMERICA ACTION	117
AMERICAN HIGH	145
AMPRO	072
ANAM	145
ASHA	102
AUDIO DYNAMICS	012 039 043
AUDIOVOX	101
BEAUMARK	102
BROXSONIC	035 037 129
CALIX	101
CAPEHART	108
CCE	024 117
CITIZEN	101 117
COLT	024
CRAIG	003 022 102
CURTIS MATHES	145
CYBERNEX	102
DAEWOO	111 116 117 005 010 108 110 120
DAYTRON	108
DBX	012 039 043
DYNATECH	034 053
ELECTROHOME	059
ELECTROPHONIC	101
EMERSON	006 029 035 017 025 034 036 037 101 129 131 153 162 116 145
FISHER	003 010 008 009
FUJI	333
FUNAI	034
GARRARD	034
GE	072 144 147 145
GO VIDEO	132 136 155 115 102
GOLDSTAR	101 114 013 012 123
GRADIENTE	034
HARLEY DAVIDSON	034
HARMAN KARDON	012
HARWOOD	024
HITACHI	026 150 034 043 160 013
HQ	034
INSTANTREPLAY	145
JCL	145
JCPENNEY	012 013 015 101 102
JENSEN	043
JVC	048 043 130 150 012 145
KEC	101
KENWOOD	048 034
KLH	024
KODAK	101 145

Manufacturer/Brand	Set-Up Code Number
LG	101 114 013 012 123
LLOYD	034
LOGIK	024
LXI	034 003 009 017
MAGNI	102
MAGNAVOX	067 034 164 145
MARANTZ	067 012 145
MARTA	101
MATSUSHITA	145
MEI	145
MEMOREX	101 003 010 034 053 072 102 139 145
MGA	059
MGN TECHNOLOGY	102
MINOLTA	101
MITSUBISHI	059 061 151 013 051
MOTOROLA	053 145
MTI	034 102
MULTITECH	024 034
NEC	012 039 043 048
NIKO	101
NOBLEX	102
NORDMENDE	043
OLYMPUS	145
OPTIMUS	101
OPTONICA	053
ORION	025
PANASONIC	070 145 163 167
PENTAX	013 145
PHILCO	034 067 145
PHILIPS	067 034 101 071 145
PILOT	101
PIONEER	021 013 048
PORTLAND	108
PROFFRONIC	102
PROTEC	024
PULSAR	072
QUARTZ	002
QUASAR	145
RADIO SHACK	123
RADIX	101
RANDEX	101
RCA	144 147 145 013 034 102
REALISTIC	003 008 010 034 053 101 145 102
RICO	058
RUNCO	148
SAMSUNG	102 113 115 120 144 147 125
SANKY	053
SANSUI	022 043 048
SANYO	003 010 102
SCOTT	017 037 120 129 131
SEARS	003 008 010 013 101 009 017 073 112
SHARP	053 165 145
SHINTOM	024
SHOGUN	102
SIGNATURE	034
SINGER	024
SONY	001 057 058 003 053 154 145
SOUNDESIGN	034
STS	013
SYLVANIA	034 059 067 145
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	070 145
TEKNIKA	043
THOMAS	034
TMK	006
TOSHIBA	131 008 059 013 120
TOTEVISION	101 102
UNITECH	102

Manufacturer/Brand	Set-Up Code Number
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034
VIDEOSONIC	102
VILLAIN	034
WARDS	003 013 017 024 034 053 131 145 102
WESTINGHOUSE	024 025
XR-1000	024 034 145
YAMAHA	012 034 039 043
ZENITH	072 080 056 048 101 034 058

Manufacturer/Brand	Set-Up Code Number
AMERICA ACTION	117
DAEWOO	005 117
EMERSON	153
FUNAI	034
GOLDSTAR	101 123
HARLEY DAVIDSON	034
HITACHI	034
JCPENNEY	101
LG	101 123
LLOYD	034
MAGNAVOX	034 067
MEMOREX	101
PANASONIC	070 167
PHILIPS	034 067
PHILCO SHACK	123
RCA	034 144
SEARS	101
SONY	057 154
SYLVANIA	067
SYMPHONIC	034
THOMAS	034
ZENITH	034

Manufacturer/Brand	Set-Up Code Number
DYNEX	349
EMERSON	091 143
ENTERPRISE	074
ESA	022 143
FISHER	147
FUNAI	143
GATEWAY	222
GE	027
GO VIDEO	137 091 220 221 222
GOLDSTAR	091
GPX	044 045
GRADIENTE	021
GREENHILL	111
GRUNDIG	083
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INSIGNIA	143 292 297 091 096 349
INTEGRA	142 180 280 273 338
JATON	046
JBL	084
JSI	047
JVC	012
JWIN	048 050
KAWASAKI	149
KENWOOD	151
KISS	279
KLH	135
KONKA	051 052 054 055
KOSS	047 058 059
KREISEN	060
KRELL	104
LASONIC	061 062
LEXICON	148
LG	091 057 074 350
LITEON	264 265 268
LOEWE	063
MAGNAVOX	066 096 282
MAIATA	267
MARANTZ	066 332
MCMINTOSH	125
MEMOREX	040 096 163
MERIDIAN	153
MICROSOFT	027 206
MINTEK	111 282
MITSUBISHI	017
MYRYAD	102 134
NAD	088 353
NAKAMICHI	122
NESA	111
NEUNED	067
NEXTECH	068
NORCENT	005 006 007 069 071 072 073
ONKYO	076 141 180 273 338
OPPO	266 341
OPTIMUS	023
ORION	130
ORITRON	058
PANASONIC	144 150 285 138 021 346 347
PARASOUND	245
PHILIPS	066 276 317 344
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304 337 354
POLAROID	233 284 295 297
POLK AUDIO	141 066
PRASDIAN	003 096
PRIMA	005
PRIMARE	193 194
DURABRAND	091
DVD 2000	017

Manufacturer/Brand	Set-Up Code Number
PROSCAN	027
RCA	027 307
RIO	091
RUTECH	269
ROTEL	204
SAMPO	081 082 085
SAMSUNG	070 1