

# Operating Instructions For

# PHAZR-5 Cable Remote Control

UR5L-9000L-IP



Universal Remote Control, Inc.  
www.universalremote.com  
OCE-0087D Rev 03 (02/27/13)

## 1 Introduction

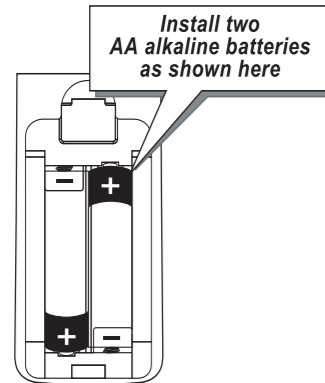
The Phazr 5, UR5L-9000L-IP is designed to operate virtually all IPTV, Digital and DTA set top boxes plus the majority of TV, AUD, DVD and AUX equipment on the market as shown below.

STB : Set-top Box TV : Televisions  
AUD : Audio Receivers DVD : DVD Players  
AUX : Media PC, Gaming System, 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

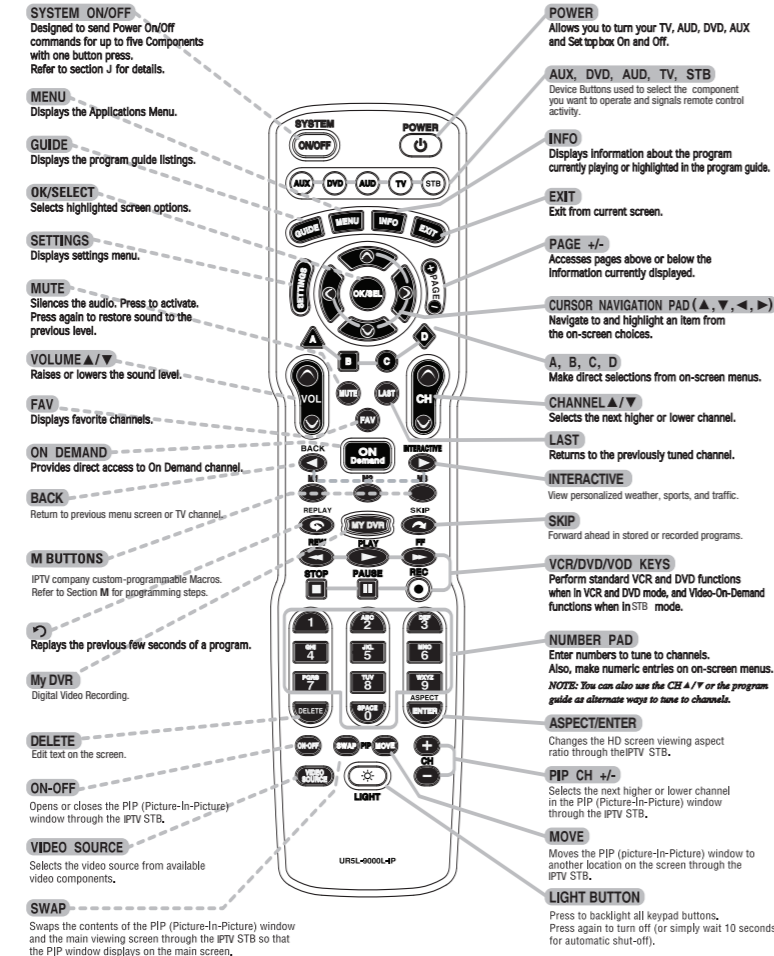
### DEFAULT STATE:

**Device Default:** Set-Top Box (STB)  
**Channel Default:** STB channel and numbers through the STB. You have the option of controlling your STB channel and numbers through the TV or AUD. Refer to section L for programming steps.

**Volume Default:** Volume and Mute control are automatically transferred to the respective Component based on the Device selected:

**STB:**Set-Top Box; **TV:**TV; **AUD:**AUD. **DVD:**TV; **AUX:**AUX. You have the option of controlling STB Volume and Mute through the TV, DVD or AUD. Refer to section K for programming steps.

## 4 Button Functions



## 5 Programming the Remote Control

### IMPORTANT SETUP NOTE!

In this section when you are instructed to press a [DEVICE] button, that means to press either the STB, TV, AUD, DVD or AUX button, depending on what device you are programming the remote to operate.

There are four ways you can program your remote:

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

The Quick Set-Up Method is a unique feature that enables the fastest and easiest setup by using a 1 digit code. This is the quickest way to set up devices made by popular manufacturers.

The Pre-Programmed Code Method allows you to setup all of the buttons at once by entering 3-digit code numbers that correspond with the components manufacture/brand. Code tables for this method are on the backside of the operating instructions.

The Auto-Search Method scans through all of the codes in the remote control, one at a time allowing you to identify the correct code.

The Learning Method allows you to transfer functions from other remotes to the PHAZR-5 one button at a time.

### IMPORTANT SETUP NOTE!

This pertains to all programming steps. When you are in setup mode the device 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. Quick Set-Up Method

- STEP1** Turn on the component you want to program. To program your TV, turn on the TV.
- STEP2** Point the remote control at the component.
- STEP3** Press and hold the [DEVICE] key for 5 seconds until the Device LED will blink once and stays on. Continue to hold the [DEVICE] key and press the number key assigned to your brand in the Quick Set-up Code Table. The component should turn off as soon as the number key is pressed. (If it does not turn off, release the [DEVICE] key and use the Pre-Programmed 3-Digit code Method or Scanning Method.)
- STEP4** Release the [DEVICE] key to save the code. The Device LED will blink twice to confirm that the code is stored.

Repeat the steps above for all components (TV, AUD, DVD, AUX).

### B. Quick Set-up Code Tables

#### TV

Quick Number	Manufacturer/Brand
0	SANYO
1	SONY
2	SAMSUNG
3	LG
4	TOSHIBA
5	PANASONIC
6	PHILLIPS
7	HITACHI
8	SHARP
9	VIZIO

**\*Note :** You can verify that you have selected the correct code by pressing the [POWER] button. The equipment should turn back on. Then try all of the functions on the remote control (i.e. volume, mute, etc.) to ensure you have the correct code. If any of the functions do not operate as they should, repeat the instructions from STEP 3 above using the next three digit code number from the brand list.

#### AUDIO

Quick Number	Manufacturer/Brand
0	ROTEL
1	DENON
2	YAMAHA
3	MARANTZ
4	SONY
5	INTEGRA
6	HARMAN KARDON
7	PIONEER
8	ONKYO
9	LEXICON

#### DVD

Quick Number	Manufacturer/Brand
0	HITACHI
1	SONY
2	PHILLIPS
3	SAMSUNG
4	PHILLIPS MAGNAVOX
5	PANASONIC
6	LG
7	JVC
8	DENON
9	PIONEER

#### AUX

Quick Number	Manufacturer/Brand
0	BOSE
1	HP
2	APPLE / iPod
3	APPLE / iPod
4	MICROSOFT / XBOX
5	SONY / PS2
6	LUTRON
7	X-10
8	X-10
9	MICROSOFT / XBOX

### C. Pre-Programmed 3-Digit Code Method

- STEP1** Turn on the equipment that you want the remote control to operate (Set top Box, TV, DVD, etc.).
- 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 30 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 [POWER] button. The equipment should turn back on. Then try all of the functions on the remote control (i.e. volume, mute, etc.) to ensure you have the correct code. If any of the functions do not operate as they should, repeat the instructions from STEP 3 above using the next three digit code number from the brand list.

- 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.

### D. 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 (Set top Box, TV, DVD, etc.).
- 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 30 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 have selected the correct code by pressing the [POWER] button. The equipment should turn back on. Then try all of the functions on the remote control (i.e. volume, mute, etc.) to ensure you have the correct code. If any of the functions do not operate as they should, repeat the instructions from STEP 3 above to continue the Auto Search Method.

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

### E. The Learning Method

- STEP1** Press the [DEVICE] button (TV, AUD, DVD, or AUX) to be programmed and the [ASPECT] buttons simultaneously for 3 seconds until the Device LED light turns on.
- STEP2** Point the PHAZR-5 at the other remote, head-to-head, 1 or 2 inches apart.
- STEP3** Press the button on the PHAZR-5 that you want to teach a command to. For example, press the [MUTE] button to learn a command to the [MUTE] button.
- STEP4** Press and hold the button on the other remote that corresponds to the command you want to teach until the PHAZR-5 Device LED light blinks twice.

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

- STEP5** Once you have completed teaching the PHAZR-5 all desired commands for the component, save the learned commands by pressing the [DEVICE] and [ASPECT] buttons simultaneously until the Device LED blinks 3 times. Now test all of the buttons to make sure they operate correctly.

**\*Note :** To program a second TV press TV, etc.

### F. Erasing a Single Learned Command

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

### G. Erasing All Learned Commands from One Device

- STEP1** Press the [DEVICE] and [ASPECT] buttons

simultaneously for 3 seconds until the Device LED light turns on.

- STEP2** Press and hold both the [DEVICE] button you want to erase and the [PAUSE] button for 5 seconds. The Device LED will blink twice to confirm the erasure.
- STEP3** To exit, press and hold both the [DEVICE] and [ASPECT] buttons simultaneously

### H. To Identify the 3-Digit Code Programmed for a Device

- STEP1** Press the appropriate [DEVICE] button and the [OK/SEL] button simultaneously for three seconds. The device LED will turn on for 30 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, (pause) three blinks, (pause) eight blinks indicates the code number 138.

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

### I. Programming the AUX Device

You can take advantage of the AUX function to program a devices such as a media PC, gaming console or satellite radio receiver. Follow the instruction in section C to program an AUX device. You can also program the AUX button for a second TV, DVD or Audio Device. To do this follow the instructions below.

- STEP1** Turn on the 5th device you want to program (TV, AUD, DVD, etc.).
- STEP2** Press the [AUX] button and the [OK/SEL] button simultaneously for 3 seconds. The [AUX] device LED will turn on for 30 seconds.
- STEP3** Press the [Device] button for the type of device you want to setup. Point the remote control toward the device and enter the 3-digit code number assigned to your brand.
- STEP4** When the equipment turns off verify that you have selected the correct code by pressing the [POWER] button. The equipment should turn back on. Then try all of the functions on the remote control (i.e. volume, mute, etc.) to ensure you have the correct code. If any of the functions do not operate as they should, enter the next 3-digit code number from the brand list.

**\*Note :** To program a second TV press TV, etc.

- STEP4** Press the [AUX] button and the [OK/SEL] button simultaneously for 3 seconds. The [AUX] device LED will turn on for 30 seconds.

**\*Note :** To return TV device to STB channel repeat steps above replacing [TV] with [STB] in Step 3.

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

### J. 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 [STB] button.
- STEP2** Press the [SYSTEM ON/OFF] button and the [OK/SEL] button simultaneously for 3 seconds. The [STB] button will turn on for 30 seconds.
- STEP3** Press the first [DEVICE] 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 [STB] button will blink twice to confirm the commands have been saved.

### K. Programming Volume Control

Volume and Mute control are factory programmed to automatically transfer to the respective Device mode You select, as follows:

STB : STB TV : TV AUD : AUD  
DVD : TV AUX : AUX

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

- STEP1** Press the [OK/SEL] button and [STB] button simultaneously for three seconds. The device LED will turn on for 30 seconds. The next step must be performed while the LED is on.
- STEP2** Press the [VOL ▲] button. The device LED will blink.
- STEP3** Press [TV] button. The device LED will blink twice to confirm the programming.

**\*Note :** To return STB device to STB volume repeat steps above replacing [TV] with [STB] in Step 3.

### L. Programming Channel Control

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

STB : STB TV : STB AUD : AUD  
DVD : DVD AUX : AUX

If you wish to store the TV channel controls in TV mode, use the following steps.

- STEP1** Press the [OK/SEL] button and [TV] button simultaneously for three seconds. The device LED will turn on for 30 seconds. The next step must be performed while the LED is on.
- STEP2** Press the [VOL ▼] button. The device LED will blink.
- STEP3** Press [TV] button. The device LED will blink twice to confirm the programming.

**\*Note :** To return TV device to STB channel repeat steps above replacing [TV] with [STB] in Step 3.

### M. Programming a 'Macro' button.

If your remote model has custom-programmable Macro buttons available(See Section 4), they can be programmed to act as a 'Macro' or Favorite Channel button in STB mode. 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.

- STEP1** Press the [STB] button to select the STB mode.
- STEP2** Press the [MACRO] button and [OK/SEL] button simultaneously for 3 seconds. The [STB] button will turn on for 30 seconds.
- STEP3** Enter 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 [STB] button will blink once for each channel entered.
- STEP4** Press the [CH ▲] button to store the channels that were selected. The [STB] 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.**

### N. Low Battery Warning

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

### O. Memory Lock System

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

### P. Record Your Component Set-up Codes

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

For additional information about your remote control, go to [www.universalremote.com](http://www.universalremote.com)

## 6 Set-up Code Tables

#### STB-IPTV

Manufacturer/Brand	Set-Up Code Number
ADB	254 255 315 259
AMINO	249 256 257 260 261
AT&T	251
CISCO	313 251 316
COMCAST	313
DREAM	159
ENTONE	155 258
MINERVA	178
MYRIO	254 255
MOTOROLA	253
NOW TV	314
PACE	313
SCIENTIFIC ATLANTA	251
WEGENER	250

#### STB-CABLE Converters

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

#### TV

Manufacturer/Brand	Set-Up Code Number
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
BENO	423 600
BOXLIGHT	266
BRADFORD	043
BROCKWOOD	116
BROKSONIC	238
BYDESIGN	031 032
CANDLE	116 002 003 363
CAPEHART	058
CARY AUDIO DESIGN	266
CELEBRITY	001
CENTURIUM	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
CONCIEGE	073
CONTEC	043 050 051
CORNEA	116
CORONADO	143
CRAIG	043 054
CROSLLEY	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
EIKI	187
ELECTROBRAND	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

Manufacturer/Brand	Set-Up Code Number
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
HYUNDAI	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
INTEQ	073
JANEIL	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
KENWOOD	116 001
KLEGG	466
KLOSS	002 059
KMC	143
KNOLL SYSTEMS	230 659
KONKA	457
KREISEN	530
KTV	043 116 143 154
KURAZAI	072
LG	363 113 116 102 106 112 127 143 569 284 648
LITEON	268
LODGENET	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
MINUTZ	008
MISAKAI	052
MITSUBISHI	124 109 024 028 040 042 146 363 348 450 658
MONIVISION	333 072
MONTGOMERY WARD	081
MOTOROLA	081
MTC	116 363 258
MULTITECH	043
NAD	138 025
NEC	272 197134 116 040 016 024 056 019 262 236 281 575
NET TV	242
NEXUS	620 454

Manufacturer/Brand	Set-Up Code Number
NIKEI	043
NIKKO	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	234 135 025 018 023 116 393 272 520 582 660
POLAROID	388 323 328 353 354 355 356 494 387 391 505 506 508
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
SAMPO	116 058 363 242
SAMSUNG	258 050 089 105 363 127 143 333 228 229 515 655
SAMSUX	116
SANSEI	076
SANSUI	096 400 615
SANYO	166 007 020 053 057 082 187 511 266 657
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	001 608 646 651
SOUNDDESIGN	028 363 003 043
SOVA	041
SOYO	528 033
SPECTRICON	112
SPECTRONIQ	499 500

Manufacturer/Brand	Set-Up Code Number
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
VIDTECH	363
VIEWSONIC	242 389
VIKING	002
VIORE	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
YUPIITERU	043
ZENITH	363 073 072 095 103
ZONDA	112

Manufacturer/Brand	Set-Up Code Number
ACCURIAN	036
ADVENT	247 388
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

Manufacturer/Brand	Set-Up Code Number
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	350 400 052 164 403 454 457 604 617 038 210 581 639
JVC	038 210 581 639
KLEGG	466
KONKA	457
KREISEN	530
LG	363 569 113 116 284 648
LITEON	268
LOEWE	164
MAGNAVOX	164 363 226 390 467 431
LG	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	234 135 393 272 520 582 660
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
PROSCAN	033 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
RCA	333 363 161 588
REVOLUTION HD	466
RUNCO	395 416
SAMPO	363 242
SAMSUNG	258 228 229 515 655
SANSUI	096 400 615

Manufacturer/Brand	Set-Up Code Number
SANYO	166 007
SCEPTRE	276
SHARP	251 363
SHERWOOD	349
SONY	001 608 651
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
VIORE	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	164 363 226 390 467 431
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	234 135 393 272 520 582 660
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
PROSCAN	033 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
RCA	333 363 161 588
REVOLUTION HD	466
RUNCO	395 416
SAMPO	363 242
SAMSUNG	258 228 229 515 655
SANSUI	096 400 615

Manufacturer/Brand	Set-Up Code Number
AVIELO	627 628
BENQ	423
BOXLIGHT	266
DELL	618
DIGITAL PROJECTION	570
DREAMVISION	235
EPSON	590
FUJITSU	410
HITACHI	250

Manufacturer/Brand	Set-Up Code Number
INFOCUS	230 532 564 595
JVC	199 533 406
KNOLL SYSTEMS	230 659
MARANTZ	281 562 584
MITSUBISHI	348 658
NEC	236 281
OPTOMA	249
PANASONIC	359 607
RUNCO	342 182
SANYO	511 266 657
SELECO	205
SHARP	308
SIM2	205
SONY	646
TOSHIBA	230
VIDIKRON	342 174 188 192
YAMAHA	370

Manufacturer/Brand	Set-Up Code Number
ADCOM	082 092 225 161 269 356
AIWA	018 104 202 203 213 211 188
AKAI	189
ANTHEM	335 337
ARAGON	687
ARCAM	141 077
ATLANTIC TECHNOLOGY	342
AUDIO FILE	071
B & K	096 097
BOSE	070 224
BOSTON ACOUSTICS	447
CAMBRIDGE AUDIO	684
CARVER	006 028 061 071 201 214 226 185 013 077 284
CARY AUDIO DESIGN	378
CITATION	148
CLARION	026
DENON	109 215 230 234 330 340 679 569 774
DIGITAL PROJECTION	660
DVICO	570
ELAN	057 290
ENLIGHTENED AUDIO	099 098
ESCIENT	451
FISHER	214 182
FLEXTRONICS	378
FOSGATE AUDIOINICS	148 342
GOLDSTAR	008
HARMAN KARDON	148 233 077 028 118 318
HITACHI	020
INTEGRA	275 017 046 108 080 209 381
JAMO	399
JCPENNEY	216
JVC	163 191 114 279 291
KENWOOD	026 066 145 192 182 005 280 374
KLEGG	686
KLH	331
KLIPSCH	687
KOSS	216
KRELL	072 384 672
LEXICON	120 235 236 237 357 360
LINN	124 377
LUXMAN	009 139 052 165 115 004
EPSON	590
FUJITSU	410
HITACHI	250

Manufacturer/Brand	Set-Up Code Number
MCINTOSH	238 286 311
MERIDIAN	100 012 013 628
MITSUBISHI	242 204
MONDIAL	157 158 042 043 081 112
MYRYAD	077
NAD	186 113
NAKAMICHI	040 244 245 172 183 287
NEC	176
NILES	403
ONKYO	275 017 046 108 080 209 381
OPTIMUS	026 041
OUTLAW	342
PANASONIC	032 195 219 177 292 626
PARASOUND	129 130 132 261 294 295 333 334
PHILIPS	249 250 063
PIONEER	014 039 044 069 168 116 035 063 198 480
PROCEED	144 268
RCA	010 048 117 156 067 288
REALISTIC	019 073 075 095
ROTEL	074 083 085
SAMSUNG	016
SANSUI	040 048 110 063 065 228
SANYO	214
SCOTT	019
SHARP	026 094 175
SHERWOOD	024 102 106 447 370
SONY	001 018 247 248 166 101 184 218 271 560 612
SOUNDESIGN	036
SUNFIRE	344 345 182
TEAC	005 019 049 040 212 217
TECHNICS	122 176 193 219 178 177 200 257 262
THETA DIGITAL	136
TOSHIBA	060 087 198 278
YAMAHA	026 274 715 717 644 695 738 756
ZENITH	143 210

Manufacturer/Brand	Set-Up Code Number
ACCURIAN	