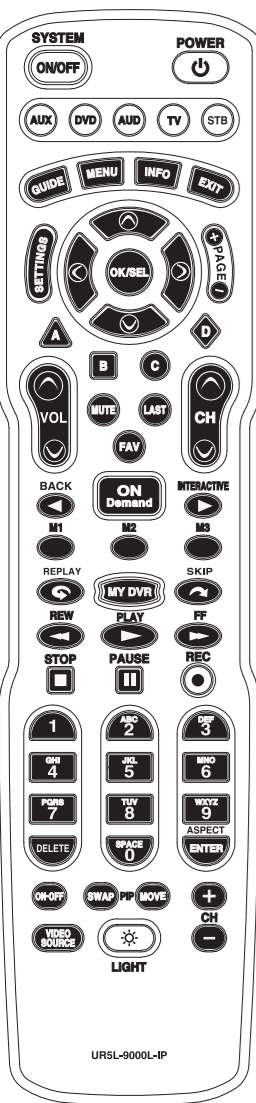


Operating Instructions For

PHAZR-5 Cable Remote Control

UR5L-9000L-IP



Universal Remote Control, Inc.
www.universalsremote.com
OCE-0087D REV 17 (12/12/16)

1 Introduction

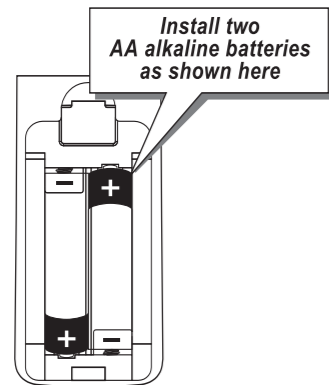
The Phazr 5, UR5L-9000L-IP is designed to operate virtually all IPTV, Digital and DTA set top boxes plus the majority of TV, AUD, DVD and AUX equipment on the market as shown below.

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.



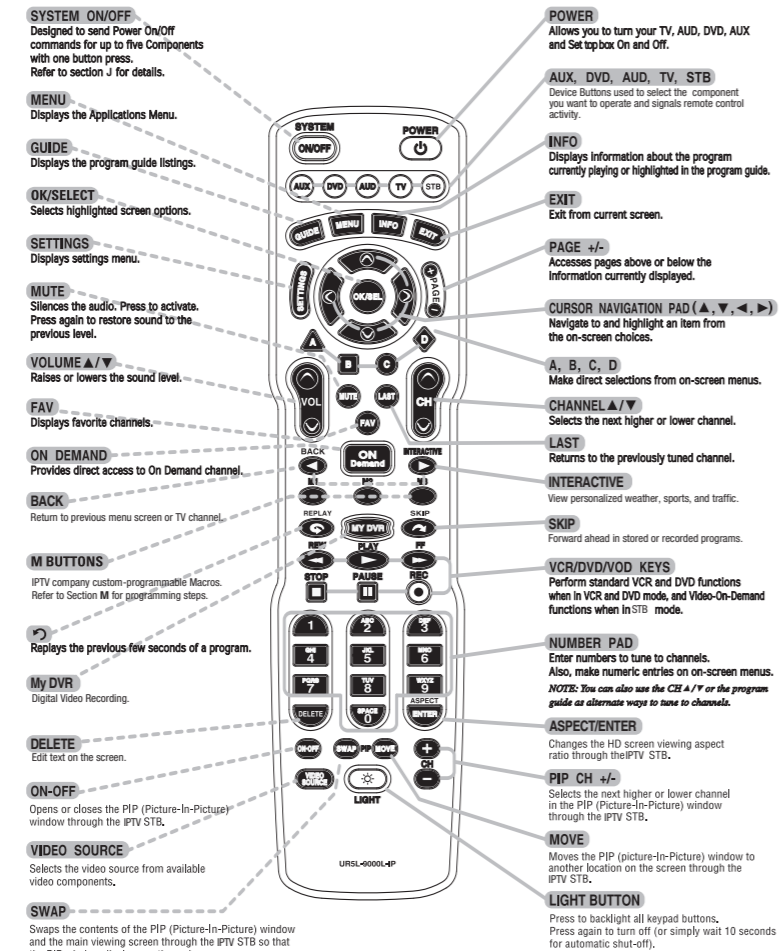
3 Operations

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** 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 and release both [DEVICE] key and the number key to save the code. The Device LED will blink twice to confirm that the code is stored.
- STEP3** Point the remote control at the component.
- STEP4** Press the power button. If it turns off, it is programmed for your component. If it does not turn off, use the Pre-Programmed 3-Digit code Method or Scanning Method.

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

- 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.

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

B. Quick Set-up Code Tables

Quick Number	Manufacturer/Brand
0	PACE DTA
1	SA/CISCO, SAMSUNG, PACE DIGITAL
2	MOTOROLA DIGITAL
3	MOTOROLA DTA
4	EVOLUTION DTA
5	CISCO IPTV
6	ADB IPTV
7	TECHNICOLOR
8	AMINO 140/540 IPTV
9	MOTOROLA IPTV

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

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

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

AUX

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

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.

- 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, repeat the instructions 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 :** 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.

- 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.

- 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, repeat the instructions 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 :** 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.

- 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.

- STEP1** Press the [DEVICE] and [ASPECT] buttons simultaneously for 3 seconds until the Device LED light turns on.
- 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, repeat the instructions by repeating STEPS 3 and 4.
- 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 programming.

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, repeat the instructions 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.

- 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, repeat the instructions by repeating STEPS 3 and 4.
- 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 programming.

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

- STEP1** Press the [SYSTEM ON/OFF] button and the [OK/SEL] button simultaneously for 3 seconds. The [STB] button will turn on for 30 seconds.
- STEP2** 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.
- STEP3** Press the [CH ▲] button to save the power commands you stored. The [STB] button will blink twice to confirm the commands have been saved.

- STEP1** Press the [MACRO] button and [OK/SEL] button simultaneously for 3 seconds. The [STB] button will turn on for 30 seconds.
- STEP2** 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.
- STEP3** Press the [CH ▲] button to store the channels that were selected. The [STB] button will blink twice to confirm the storage of commands.

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.

- STEP1** Turn on 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

- 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.

- 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.

- 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.

- 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.

6 Set-up Code Tables

STB-IPTV

Manufacturer/Brand	Set-Up Code Number
ADB	254 255 315 259
AMINO	260 249 256 257 261
AT&T	251
CISCO	313 251 316
COMCAST	313
DREAM	159
ENTONE	155 258 213
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	002 111 148 206
PACE	001 005 002 206 217
PIONEER	001 103 034 051 063 076 105
SAMSUNG	001 030
SCIENTIFIC ATLANTA/CISCO	001 003 041 042 045 046
Amino	219
ARRIS	172 216
Cincinnati Bell	220
CISCO	209
COMCAST	195
Digital Multimedia Technology	222
Duoson	218
ENTONE	210 221
EVOLUTION	189 215
INFOMIR	207
KAON	208
NAGRA	211
Sky	240
TECHNICOLOR	3

Manufacturer/Brand	Set-Up Code Number
GRUNPY	028 043
HAIER	363 501 623
HALL MARK	363
HANNSPREE	349 381
HARLEY DAVIDSON	028
HARVARD	043
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442 619 630 631 363 752
HITACHI	011 166 009 143 072 363 250 587 613 670
HP	378 316 327 421
HUMAX	518
HYPERION	609
HYUNDAI	337 338
ILO	472 399
INFINITY	164
INFOCUS	333 230 547 548 470 532 564 595 733
INITIAL	282
INSIGNIA	350 400 052 164 403 454 457 604 617
INTEQ	073
JANIEL	002
JBL	164
JCB	001
JCPENNEY	024 116 008 009 030 065 258 143 333 363
JVC	038 034 001 210 533 581 639 406 668 701
KAWASHO	116 001
KEC	043
KENWOOD	116 001
KLEGG	466
KLOSS	002
KMC	143
KNOLL SYSTEMS	230 659
KONKA	457
KREISEN	530
KTV	043 116 143 154
KURAZAI	072
LG	363 113 116 102 112 143 569 284 648 741
LITEON	268
LODGENET	072
LOEWE	164 738
LOGIK	072
LUXMAN	363
LXI	166 007 138 052 251 333 164
MAGNAVOX	164 116 003 363 333 226 390 467 431 594
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
MIDLAND	333 073
MINTEK	362
MINUTZ	008
MISAKAI	052
MITSUBISHI	109 024 028 363 348 450 658
MONIVISION	017
MONTGOMERY WARD	333 072
MOTOROLA	081
MTX	116 363 258
MULTITECH	043
NAD	138

Manufacturer/Brand	Set-Up Code Number
NEC	272 197 116 024 056 019 262 236 281
NET TV	242
NEXUS	620 454
NIKEI	043
NIKOP	116
NIKO	527
NORCENT	390
NUVISION	351 567
OLEVIA	432 363 333
ONKING	043
ONWA	043
OPTOMA	265 249
OPTONICA	019 251
PANASONIC	080 034 056 164 208 359 552 524 607 664
PEARLESS-AV	723
PHILCO	116 003 164 363 024 056
PHILIPS	164 038 116 003 363 206 431 333 161 594 629 727
PILOT	116
PIONEER	234 116 393 272 520 582 660
PLANAR	728 742
POLAROID	388 323 328 353 354 355 356 494 387 391 505 506 508 526
PORTLAND	363 143
PRINCETON	004
PRISM	034
PROSCAN	333 722
PROTON	363 112 143 528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
PULSAR	116 073
PYLE HOME	661 662
QUASAR	034 056 606
RADIO SHACK	019 363 143 043
RCA	333 065 116 363 024 056 161 588 713 751
REALISTIC	007 019 043
REVOLUTION HD	466
RUNCO	073 395 416 072 342 697 698
SAMPO	116 363 242
SAMSUNG	258 050 363 143 333 228 229 515 655
SANSUX	116
SANSEI	076
SANSUI	400 615 454
SANYO	007 166 057 187 511 266 657 750
SCEPTRE	276 699
SCOTCH	116
SCOTT	028 043 048 143 363 497
SEARS	030 363 007 028 057 143 333 166 138
SEIKI	690
SELECO	205 011
SEURA	704
SHARP	251 019 028 363 143 308 684 692 735
SHENG CHIA	081
SHERWOOD	349
SHOGUN	116
SIGNATURE	072
Silo	001
SIMPSON	003
Skyvue	648
SONY	001 608 646 651 702
SOUNDESIGN	028 363 003 043
SOVA	041
SOYO	528
SPECTRICON	112
SPECTRONIQ	499 500
SQUAREVIEW	052
SSS	363 043
STARLITE	043

Manufacturer/Brand	Set-Up Code Number
SUNBRITE	633 634 635 386
SUNBRITE TV	575 717
SUPERSCAN	052 081
SUPRA	116
SUPRE MACY	002
SUPREME	001
SYA	328
SYLVANIA	116 003 052 164 333 514 593
SYMPHONIC	052
SYNTAX OLEVIA	432 363 333
TANDY	251
TATUNG	056
TCL	705 749
TECHNICS	034 080
TECHNOL ACE	028
TECHVIEW	045 557
TECHWOOD	363
TEKNIKA	002 003 363 024 028 043 072 258 143
TELEFUNKEN	011 363 613 670
TELERENT	072
THOMSON	049 055
TMK	363
TELEVISION	663
TNCI	073
TOSHIBA	138 030 007 258 325 230 703
TOTEVISION	143
TRUTECH	529
UNIVERSAL	008 009
UPSTAR	708
VENTURER	721
VICTOR	038
VIDIKRON	174 164 188 192 342
VIDTECH	363
VIEWSONIC	242 389 720
VIKING	002
VIORE	472 592
VISCO	526
VITO	363
VIZIO	386 387 624 625 675
WARDS	363 008 009 019 028 072 143 164 034
W Box Technologies	731
WESTINGHOUSE	076 276 435 001 280 690 695
WINBOOK	339
YAMAHA	116 363 370
YORK	363
YUPITERU	043
ZENITH	363 073 072
ZONDA	112

Manufacturer/Brand	Set-Up Code Number
ACCURIAN	036
AD NOTAM	672
ADVENT	247 388
AKAI	404 405 473 475 323 387 391 615
AOC	116 363 616
APEX	572
APEX DIGITAL	006
AQUAVISION	573 574 686
ASTAR	477
AUDIOVOX	454 388 076
AVIO	689
AVION	441
AXION	039
BENQ	600
CHANGHONG	247
COBY	641 671
CYBERHOME	015

Manufacturer/Brand	Set-Up Code Number
DAEWOO	076 363
DELL	320 164 363
DURABRAND	052
DWIN	257
DYNEX	400
ELECTROGRAPH	466
ELEMENT	363 494 526 622
EMERSON	514 362 076 052
ESA	323
FREEMOTION	688
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	037 046 615
HP	378 316 327 421
HUMAX	518
HYPERION	609
HYUNDAI	337 338
ILO	472
INFOCUS	547 470
INITIAL	282
INSIGNIA	350 400 052 164 403 454 457 604 617
JVC	038 210 581 639 668
KLEGG	466
KONKA	457
KREISEN	530
LG	363 569 113 116 284 648
LITEON	268
LOEWE	164
MAGNAVOX	164 363 226 390 467 431
MARANTZ	116 164 281
MITSUBISHI	109
MAXENT	242
MINTEK	362
MITSUBISHI	363
NEC	272 262 575
NEXUS	620 454
NIKO	527
NORCENT	390
NUVISION	351 567
OLEVIA	432 363 333
PANASONIC	080 164 208 552 524 664
PHILIPS	164 363 431 161 594 629
PIONEER	234 393 272 520 582 660
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
PROTON	528
PROTRON	392 398 498 499 500
PROVIEW	494
PROX	572
PYLE HOME	661 662
RCA	333 363 161 588
REVOLUTION HD	466
RUNCO	395 416 697 698
SAMPO	363 242
SAMSUNG	258 228 229 515 655
SANSUI	400 615
SANYO	007 166
SCEPTRE	276 699
SEIKI	689
SHARP	251 363 684 692
SHERWOOD	349
SONY	001 608 651
SOVA	041
SOYO	528
PANASONIC	359 607
RUNCO	342
SANYO	511 266 657

Manufacturer/Brand	Set-Up Code Number
SUNBRITE	633 634 635 386
SUNBRITE TV	575 717
SYA	328
SYLVANIA	052 164 333 514
SYMPHONIC	052
SYNTAX OLEVIA	432 363 333
TATUNG	056
TECHVIEW	045 557
TELEFUNKEN	615
TELEVISION	663
TOSHIBA	138 258 325
TRUTECH	529
VIEWSONIC	242 389
VIORE	472 592
VISCO	526
VITO	363
VIZIO	386 387 624 625 675
WESTINGHOUSE	076 276 435 001 690 695
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
MITSUBISHI	109
OPTOMA	265
PANASONIC	080 524
PHILIPS	164 431
RCA	333
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	357 120 235 236 237 360
LINN	124 377
LUXMAN	009 139 052 165 115 004
MAGNAVOX	086 164 152 077
MARANTZ	006 028 031 040 063 185 186 265 289 492 712 719
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	046 275 017 108 080 209 381
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

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
INFOCUS	230 532 564 595 726
JVC	533 406 701
KNOLL SYSTEMS	230 659
MARANTZ	281 562 584
MITSUBISHI	348 658
NEC	236 281
OPTOMA	249
PANASONIC	359 607
RUNCO	342
SANYO	511 266 657

Manufacturer/Brand	Set-Up Code Number
SELECO	205
SHARP	308
SIM2	205
SONY	646 702
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	340 109 215 230 234 330 679 569 774
DIGITAL PROJECTION	660
DVICO	570
ELAN	057 290
JVC	038
ENLIGHTENED AUDIO	099 098
ESCIENT	451
FISHER	214 182
FLEXTRONICS	378
FOSGATE AUDIOINICS	148 342
GOLDSTAR	008
HARMAN KARDON	318 148 233 077 028 118
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	357 120 235 236 237 360
LINN	124 377
LUXMAN	009 139 052 165 115 004
MAGNAVOX	086 164 152 077
MARANTZ	006 028 031 040 063 185 186 265 289 492 712 719
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	046 275 017 108 080 209 381
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

Manufacturer/Brand	Set-Up Code Number
ARCAM	100
Base	799
BOWEN & WILKINS	467
DEFINITIVE TECHNOLOGY	582