Operating Instructions For

PHAZR-5
Cable Remote Control
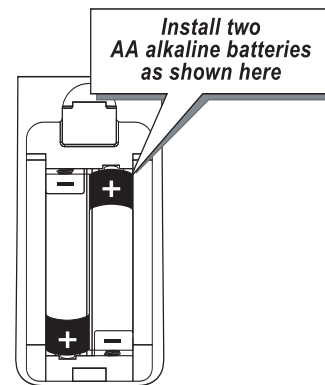
UR5L-9000L & UR5L-9020L

The PHAZR-5 UR5L-9000L & UR5L-9020L is designed to operate the CISCO / SA, Pioneer, Pace Micro, Samsung and Motorola digital set tops, Plus the majority of TV, AUD, DVD and AUX equipment on the market as shown below.

CBL : Cable 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.
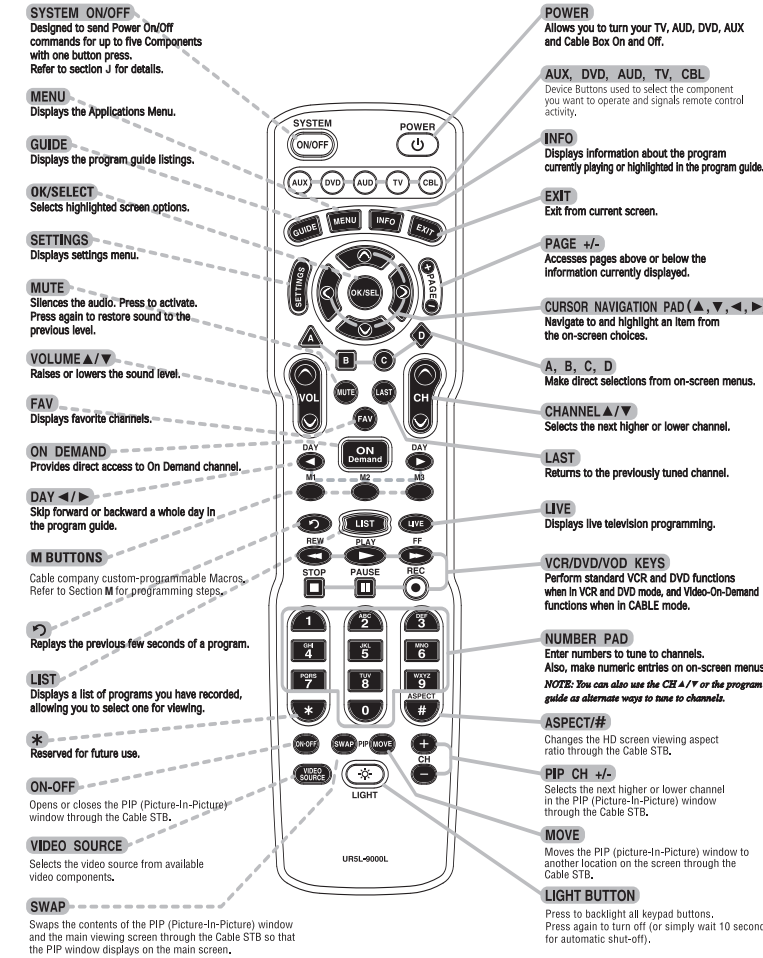
STEP3 Replace the battery compartment cover.

Install two AA alkaline batteries as shown here

③ Operations

DEFAULT STATE:
Device 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 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:

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

① Introduction

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 (CBL, TV, AUD, DVD, AUX).

B. Quick Set-up Code Tables

CBL

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

TV

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

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	PHILIPS
3	SAMSUNG
4	PHILIPS MAGNAVOX
5	PANASONIC
6	LG
7	JVC
8	DENON
9	PIONEER

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 J 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.

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

DAY ◄/►
Skip forward or backward a whole day in the program guide.

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

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

※
Reserved for future use.

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, AUD, DVD, AUX and Cable Box On and Off.

AUX, DVD, AUD, TV, CBL
Device Buttons 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 menu.

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

LAST
Returns to the previously tuned channel.

LIVE
Displays live television programming.

VCR/DVD/DVD 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 CH ▲/▼ or the program guide as 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

IMPORTANT SETUP NOTE!

In this section when you are instructed to press a [DEVICE] button, that means to press either the CBL, 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:
- **The 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 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.

C. Pre-Programmed 3-Dight Code Method

STEP1 Turn on the equipment that you want the remote control to operate (Cable 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 (Cable 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.

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

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

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.

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, enter the next 3-digit code number from the brand list.

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 [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 [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 [CBL] 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:

CBL : CBL   **TV** : TV   **AUD** : AUD
DVD : TV   **AUX** : AUX

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

STEP1 Press the [OK/SEL] button and [CBL] 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 CBL device to CBL volume repeat steps above replacing [TV] with [CBL] 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:

CBL : CBL   **TV** : CBL   **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 CBL channel repeat steps above replacing [TV] with [CBL] 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 CABLE 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 [CBL] button to select the CBL mode.

STEP2 Press the [MACRO] button and [OK/SEL] button simultaneously for 3 seconds. The [CBL] button will turn on for 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 (or example, 050), then press the [STOP] button. Repeat this process for the third channel. The [CBL] button will blink once for each channel entered.

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

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

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

⑥ Set-up Code Tables

CBL-CABLE Converters

Manufacturer/Brand	Set-Up Code Number
CISCO/SA	001 003 041 047 045 046
PIONEER	001 103 034 051 063 076 105
PACE	001 005 063
SAMSUNG	001 030
MOTOROLA	002 111 148
CE-LABS	164
DIGEO	153
EVOLUTION	189
EVOLUTION F18	158
GENERAL INSTRUMENT	005 103 104
HAMLIN	049 050 055
HITACHI	103 055
JERROLD	005 004 103 005 003 008 009 010 069
MAGNAVOX	010 012
MEMOREX	052
MOXI	111 252 153
NEUSION	192
PANASONIC	044 047
PHILIPS	006 012 013 020 085
PULSAR	052
REGAL	049 050
REGENCY	057
SKY	230 204
SONY	159
SPRUCER	047
TECHNICOLOR	365
TELNET	354
TOCOM	039 040 056
TOSHIBA	052
VIEWSTAR	012 015
ZENITH	052 060 093 100

CBL-IPTV

Manufacturer/Brand	Set-Up Code Number
ADB	254
AMINO	240
CISCO	313
MOTOROLA	253

TV

Manufacturer/Brand	Set-Up Code Number
AVENTURA	052
AVIELO	627 628
AVION	043
AXION	039
BELCOR	116
BELL&HOWELL	333 072
BENQ	019
BOXLIGHT	266
BRADFORD	043
BROCKWOOD	116
BROKSONIC	238
BYDESIGN	031 032
CANDLE	116 002 003 363
CAPEHART	058
GARY ALDIO 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	640 641 671
COLORTYME	116
CONCERTO	363
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	570 164 363 618
DIGITAL PROJECTION	570
DIMENSIA	333
DREAMVISION	235
DOKANE	011 025
DUMONT	116 073
DURABRAND	096 052
DWIN	257
DYNASTY	043
DYNEX	400
EIKI	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
FREEMOTION	688
FUJITSU	246 198 410
FUNAI	028 043 046
FUSION	642
FUTURETECH	043
GATEWAY	242 268
GE	073 116 008 009 034 056 074 155 333 363
GEM	391
GIBRALTER	116 073

Remote Control Set-Up Codes

TV

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	026
GOLDSTAR	113 116 102 363 106 112 127 143
GPX	674
GRUNPY	028 043
HAIER	363 501 623
HALL MARK	363
HANNSPREE	349 381
HARLEY DAVIDSON	028
HARVARD	043
HAVERMY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442 619 630 631
HITACHI	011 166 009 010 012 023 075 143 158 072 363 250 587 613 670
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
INITIAL	035 282
INSIGNIA	350 400 052 164 403 454 457 604 617
INTEQ	073
JADOO TV	673
JANEIL	002
JBL	164
JCB	001
JCPENNEY	024 116 008 009 030 065 258 143 333 363
JENSEN	013
JVC	038 034 001 083 199 210 533 581 639 406 668
KAWASHO	116 001
KEC	043
KENWOOD	116 001
KLOSS	002 059
KLEGG	466
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	124 109 023 028 040 042 146 363 348 458 658
MONIVISION	017
MONTGOMERY WARD	333 072
MOTOROLA	081
MTC	116 363 258
MULTITECH	043
NAD	138 025
NEC	272 197 134 116 040 016 024 056 019 262 236 281 575
NET TV	242
NEXUS	620 454
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	080 034 056 164 208 359 552 524 607 664
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	454
PROX	572
PULSAR	116 003
PYLE HOME	661 662
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	251 019 014 028 029 363 022 143 175 308 684
SHENG CHIA	081
SHERWOOD	349
SHOGUN	116
SIGNATURE	072
SIMPSON	003
SONY	001 608 646 651
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
TILEVISION	663
TNCI	073
TOSHIBA	138 030 007 040 258 325 230
TRUTECH	529
VIEWSONIC	242 389
VIORE	472 592
VISCO	526
VITO	363
VIZIO	386 387 624 625 675
WESTINGHOUSE	076 276 435 001
WINBOOK	339
YAMAHA	116 363
ZENITH	363 073 072

TV-LCD & Plasma TVs

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
AVION	441
AXION	039
BENQ	600
CHANGHONG	247
COBY	641 671
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
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	011 363 613 670
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	038 210 581 639 668
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
MAXENT	242
MINTEK	362
MITSUBISHI	124 363
NEC	272 262 575
NEXUS	620 454
NIKEI	043
NORCENT	390
NORWOOD MICRO	027
NUVISION	351 567
OLEVIA	432 363 333
PANASONIC	080 164 208 552 524 664
PHILIPS	164 363 005 161 594 629
PIONEER	234 135 393 272 520 582 660
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
PROTON	363 528
PROTRON	392 398 498 499 500
PROVIEW	454
PROX	572
PYLE HOME	661 662
RCA	333 363 161 588
REVOLUTION HD	466
RUNCO	395 416
SAMPO	363 242
SAMSUNG	258 228 229 515 655
SANSUI	166 007
SANYO	166 007
SCEPTRE	276
SHARP	251 363 684
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	363 164 333 514
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	076 276 435 001 280
WINBOOK	339
YAMAHA	116 363
ZENITH	363 073 072 095 103
ZONDA	112

TV-Projection TVs

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
NIKEI	043
NORCENT	390
NORWOOD MICRO	027
NUVISION	351 567
OLEVIA	432 363 333
PANASONIC	080 164 208 552 524 664
PHILIPS	164 431
PIONEER	234 135 393 272 520 582 660
POLAROID	388 323 328 353 356 494 387 391 505 506
PRINCETON	004
AVELO	627 628

TV-Projectors

Manufacturer/Brand	Set-Up Code Number
BENQ	423
BOXLIGHT	256
DELL	618
DIGITAL PROJECTION	130
DREAMVISION	235
EPSON	590
FUJITSU	410
HITACHI	050
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
ACCURIAN	036

AUDIO

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	447
DVICO	570
ELAN	057 290
ENLIGHTENED AUDIO	099 098
ESCIENT	451
FISHER	214 182
FLEXTRONICS	378
FOSGATE AUDIONICS	148 342
GOLDSTAR	188
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	487
KOSS	216
KRELL	072 384 672
LEXICON	120 235 236 237 357 360
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	044 244 245 172 183 287
NEC	176
NILES	403
ONKYO	015 017 046 108 080 209 381
OPTIMUS	026 041
OUTLAW	342
PANASONIC	032 195 219 177 292 626
PARASOUND	129 130 132 261 294 295 333 234
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
VIZIO	551
YAMAHA	176 253 169 067 173 205 264 232 089 264 274 715 717 644 695 738 756 077 284
ZENITH	143 210

AUDIO-SOUNDBAR

Manufacturer/Brand	Set-Up Code Number
BOWER & WILKINS	467
DEFINITIVE TECHNOLOGY	587
ENERGY	602
KLIPSCH	602
PINNACLE	606
POLK AUDIO	605
SPEAKERCRAFT	562
TOSHIBA	608
YAMAHA	568 644

DVD

Manufacturer/Brand	Set-Up Code Number
ACCURIAN	003 268
ADCOM	157
ADVENT	005
AIWA	146
AKAI	281
ALLEGRO	091
ALPINE	098
AMW	006 007
ANTHEM	361
APEX DIGITAL	087 111 115
ARCAM	122
ASPIRE DIGITAL	008 009
AUDIOVOX	003 010 014 015 149
BEL CANTO DESIGN	016
BLAUPUNKT	111
BROKSONIC	130
BUFFALO	264
CALIFORNIA AUDIO LABS	021 124
CAMBRIDGE AUDIO	323 333 360
CARY AUDIO DESIGN	174 266
CENTRIOS	019
CINEVISION	091
CITIZEN	020
COBY	260
CYBERHOME	271
DAEWOO	132
DENON	080 173 138 329 358
DIAMOND VISION	037 038 039
DISNEY	040 096
DUNE	366
DURABRAND	091
DVD 2000	011
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	036
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	036 096 091
MALATA	267
MARANTZ	066 332
MCINTOSH	135
MEMOREX	040 096 163
MERIDIAN	153
MICROSOFT	027 206
MINTEK	111 282
MITO	149
MITSUBISHI	017
MYRYAD	102 134
NAD	088 353
NAKAMICHI	103
NESA	111
NEUNEO	067
NEXXTECH	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	164 150 285 346 347 363 368
PARASOUND	245
PHILIPS	066 276 317 344 334
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304 337 354 364
POLAROID	233 284 295 297
POLK AUDIO	141 066
PRESIDIAN	003 096
PRIMA	005
PRIMARE	193 194
PRINCETON	078
PROSCAN	027
RCA	027 307
RIO	091
RJTECH	269
ROTEL	294
SAMPO	081 082 085
SAMSUNG	070 165 137 159 275
SANSUI	154
SANYO	147
SEARS	130
SENSORY SCIENCE	222
SHARP	188 273
SHERWOOD	245 345
SHINSONIC	033
SONIC BLUE	091
SONY	001 033 145 191 286 241 242 243 340 343 351 363 368
SPECTRONIQ	310
SUNGALE	090 223
SUPERSCAN	143
SVA	092 093
SYLVANIA	143
SYMPHONIC	143
TAG MCLAREN	156
TATUNG	102
TEAC	023 270
TECHNICS	138
TECHWOOD	088
THETA DIGITAL	023
THOMPSON	027
TOSHIBA	130 141 164 188 273 356
TRUTECH	293
URBAN CONCEPTS	035
US LOGIC	111 282
VENTURER	149
VINC	161 308
X-BOX	027 206
YAMAHA	089 066 197 138 334
ZENITH	057 074 091

DVD-DVD Recorders

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	220 221 222
CYBERHOME	271
ILO	268
KISS	279
LITEON	265 268
MAGNAVOX	096
PANASONIC	138
PHILIPS	317
RCA	027
SAMSUNG	303
SONY	001
TOSHIBA	188 273

DVD-TV/DVD Combos

Manufacturer/Brand	Set-Up Code Number
AIWA	146
AKAI	281
AUDIOVOX	284
DURABRAND	143
ESA	143
FUNAI	143
INSIGNIA	292 297 143
MAGNAVOX	282
MINTEK	282
PANASONIC	516
PHILIPS	690 705
PIONEER	513
POLKAUDIO	685
ROTEL	654
SAMSUNG	571 653
SHARP	652
SONY	317 319 321 322 324
TOSHIBA	130
VERIS	772

DVD-TV/DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
DURABRAND	143
EMERSON	143
ESA	143
INSIGNIA	143
MAGNAVOX	143
PANASONIC	143
SANYO	143
SYLVANIA	143
SYMPHONIC	143
TOSHIBA	164

DVD-Blu-ray & HD DVD

Manufacturer/Brand	Set-Up Code Number
CAMBRIDGE AUDIO	360
DENON	329 358
INSIGNIA	096 349
INTEGRA	273 338
LG	091 350
MAGNAVOX	096
MARANTZ	332
NAD	353
ONKYO	273 338
OPPO	341
PANASONIC	285 346
PHILIPS	344
PIONEER	304 354 364
SAMSUNG	275
SHERWOOD	345
SONY	286 340 351 363 368
TOSHIBA	273 356
YAMAHA	334

DVD-DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	137
PANASONIC	150
PIONEER	513
SAMSUNG	154
SONY	145
TOSHIBA	141
ZENITH	091

AUX-iPod Controls

Manufacturer/Brand	Set-Up Code Number
APPLE / iPod	824 828
BOSE	827
DENON	830 559
DLO	816
GRIFFIN	835
KENSINGTON	825
MARANTZ	834
ONKYO	833
SONANCE	831

AUX-DVR(TIVO)

Manufacturer/Brand	Set-Up Code Number
DSTV	787 788 789 800 786
HUGHES	817
HUMAX	817
ICREALTIME	784
MOXI	782
PHILIPS	790 817 785
RCA	809
REPLAY NETWORKS	775
SONY	804 805
TIVO	790 817
TOSHIBA	817

AUX-Media PCs

Manufacturer/Brand	Set-Up Code Number
ACER	820
APPLE TV	836
DELL	820
DENON	830
DLINK	832 838
GATEWAY	820
HAUPPAUGE	821 822
HP	820
KEYSPAN	823
LINKSYS	566
NETGEAR	837
ROKU	565
SILVERSTONE	666
SONY	820
SYABAS	677
TOSHIBA	820
WINBOOK	820

AUX-Home Theater Systems

Manufacturer/Brand	Set-Up Code Number
AIWA	699
BOSE	347 409 460
DENON	564 543
INSIGNIA	589
JAMO	398
KEF	530
KOSS	573
NAD	598
NIRO	343
ONKYO	552
PANASONIC	516
PHILIPS	690 705
PIONEER	513
POLKAUDIO	685
ROTEL	654
SAMSUNG	571 653
SHARP	652
SONY	299 498

AUX-Gaming Systems

Manufacturer/Brand	Set-Up Code Number
AUDIO AUTHORITY	622
LOGITECH	658
MICROSOFT / XBOX	851
MICROSOFT / XBOX 360	826
SONY / PS2 / PS3	829 498

AUX-Lighting Controls

Manufacturer/Brand	Set-Up Code Number
COLORADO VNET	849
LEVITON	850
LIGHTOLIER CONTROLS	848
LITE TOUCH	843 844
LUTRON	843 841
RAKO	846 847
X-10	840 842 845

AUX-Tuners & Satellite Radios

Manufacturer/Brand	Set-Up Code Number
ANTEX ELECTRONICS	588
BOSE	532 170
DELPHI	515
NEXUS AUDIO	113
PIONEER	556
RUSSOUND	445
SIRIUS	555 585 767
SONY	380
XM SATELLITE RADIO	515 556
ZEEVEE	611

AUX-Digital to Analog Converter box

Manufacturer/Brand	Set-Up Code Number
CISCO	577
DIGITAL STREAM	509
HOMECAST	576
SCHMARTZ	648
SKARDIN	610
SONY	646 647
ZENTECH	610
ZENITH	567