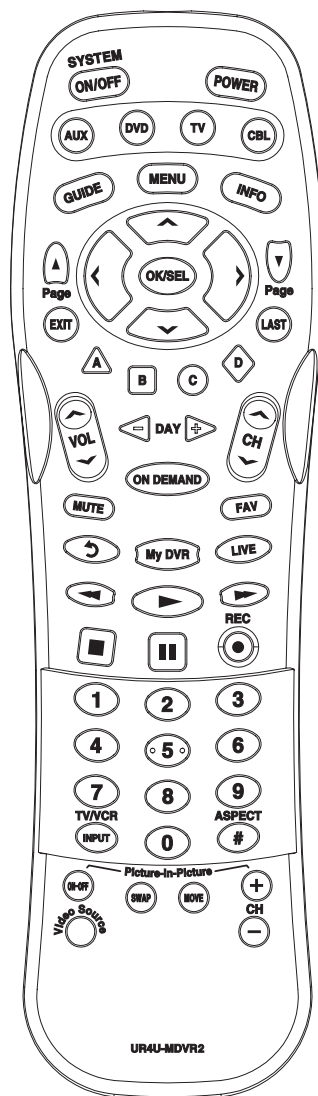


Operating Instructions For 4-Function Cable Remote Control

UR4U-MDVR2



Universal Remote Control, Inc.
www.universalremote.com
OCE-0053B REV 04 (10/10/07)

1 Introduction

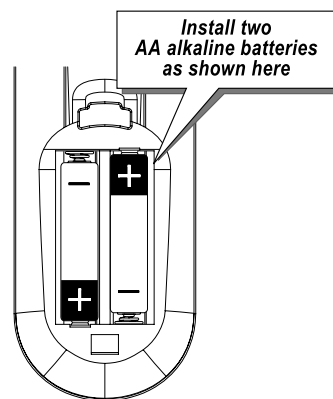
This remote control is designed to operate all Motorola and Scientific Atlanta digital set top boxes (including HD and DVR), plus the majority of TVs, VCRs, DVDs and AUDIO equipment on the market as shown below.

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

2 Replacing Batteries

Before you program or operate this remote control, you must first 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.



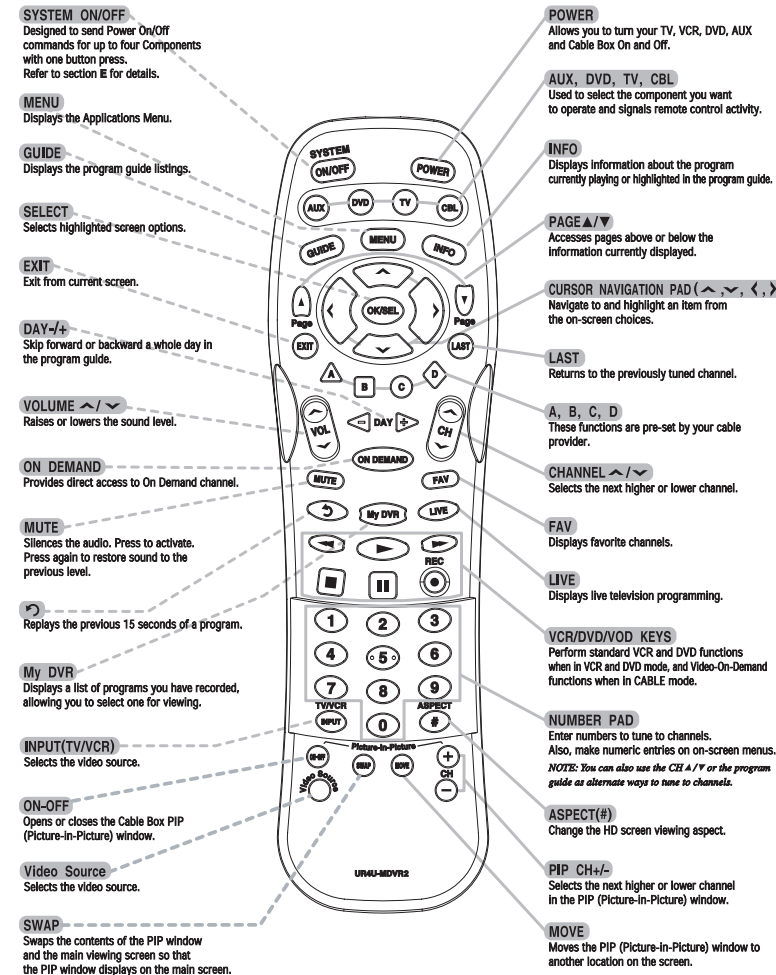
3 Operations

DEFAULT STATUS:

Component Default: CABLE
Channel Default: CABLE channel +/- and numbers operate through the CABLE box. You have the option of controlling channel +/- and numbers through the TV, VCR or DVD. Refer to section F for programming steps.

Volume Default: CABLE volume +/- and mute operate through the TV. You have the option of controlling volume through the Cable box, VCR or DVD. Refer to section G for programming steps.

4 Button Functions



5 Programming the Remote Control

There are two ways you can program your remote control:

- * **The Pre-Programmed 3-Digit Code Method**
- * **The Auto-Search 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.

IMPORTANT SETUP NOTES:

This pertains to all programming steps. When you are in setup mode in each component, a component LED will light up 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.

When programming a combo unit, program as a VCR or DVD first.

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, DVD or AUX) to be programmed and [OK/SEL] button simultaneously for 3 seconds. The Component LED will light 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 it's 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.

- 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.

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

Now, repeat the Auto-Search Method for those Components you could not program earlier with the Pre-Programmed Method.

C. Finding a Component Button's Setup Code Number

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

D. AUX Function: Programming a 4th Component

You can take advantage of the AUX function to program a 4th Component such as a second TV, VCR, DVD or Audio Component.

- STEP1** Turn on the 4th 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 light 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.

**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*

- 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 4th Component.

E. Programming the System On/Off Button

This allows you to program the System On/Off button so it can send up to four 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] Component LED will light 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.

F. 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
DVD : DVD	AUX : AUX

If you wish to operate 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 light 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**.

G. Programming Volume Control

You can program the volume controls (Volume Up, Volume Down and Mute) from one Component to operate in another Component mode. Default volume control settings on the remote control are as follows:

CBL : TV	TV : TV
DVD : TV	AUX : AUX

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

- STEP1** Press the [CBL] button and the [OK/SEL] button simultaneously for 3 seconds. The [CBL] Component LED will light for 30 seconds.
- STEP2** Press the [VOL +] button.
- STEP3** Press the [CBL] button. The Component LED will blink twice to confirm the programming.

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

H. Programming a Favorite Channel

See on-screen Guide Menu.

I. Low Battery Warning

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

J. Memory Lock System

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

K. Record Your Component Set-up Codes

TV	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
DVD	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>
AUX	Set-up Code Number:	<input type="text"/>	<input type="text"/>	<input type="text"/>

6 Set-up Code Tables

CABLE Converter

Remote	Converter	Code No
UR4U-MDVR2	All Motorola digital set top boxes (including HD & DVR)	002
	All Scientific Atlanta digital set top boxes (including HD & DVR)	001
	MOXI HD DVR set top boxes	003

TV

Manufacturer/Brand	Set-Up Code Number
ABEX	025
ADMIRAL	072 161 160 251
ADVENT	247 388
ADVENTURA	002
AIKO	103
AILERON	028
AKAI	197 146 248 404 405 473 475 323 387 391
A-MARK	112 143
AMERICA ACTION	043
AMPRO	167 073
AMSTRAD	052
ANAM	043 054 056 080 112
AOC	197 112 058 363
APEX DIGITAL	006
ASTAR	477
AUDIOVOX	076 454 388
AVION	441
BARCO	233
BELCOR	116
BELL&HOWELL	161 072
BLAUPUNKT	088
BROADFORD	043
BROKSONIC	238
BROCKWOOD	116
CAIRN	201
CANDLE	197 002 003 363
CAPEHART	058
CELEBRITY	070
LUXMAN	363
CENTURION	197
CETRONIC	043
CITIZEN	197 002 003 043 101 103 143 363
CLARION	043
CLASSIC	043
CLP CLASSIC	161
COLORTYME	116 197
CONICERGE	073
CONICERTO	363
CONTEC	043 050 051
CORNEA	116
CORONADO	143
CRAIG	043 054
CROSLEY	164
CROWN	043 143
CURTIS-MATHES	197 101 143 363
CXC	043
DAEWOO	016 043 044 076 103 114 125 127 143 363
DAYTRON	143 363
DELL	320 319 284 363
DIMENSIA	161
DREAMVISION	235
DIUKANE	025 011
DUMONT	116 073
DURABRAND	096
DWIN	177 257
DYNASTY	043
DYNATECH	062
DYNEX	400
EKI	187
ELECTROBAND	070
ELECTROGRAPH	466
ELECTROHOME	143 024 076 196
ELEKTRA	072
ELEMENT	363 494
EMERSON	028 048 043 155 005 197 047 050 051 076 096 143 151 153 154 363
ENVISION	116 197
ESA	323
FISHER	007 057
FUJITSU	246 198 346
FUNAI	028 043 052
FUTURETECH	043
GATEWAY	242 268

TV

Manufacturer/Brand	Set-Up Code Number
GE	160 144 165 073 197 008 009 034 056 074 130 155 161 363
GEM	391
GIBALTER	116 073
GOLDSTAR	113 116 102 106 112 127 143 363
GRUNPY	028 043
HAIER	363 501
HALL-MARK	363
HARLEY DAVIDSON	028
HARVARD	043
HAVERNY	081
HELLO KITTY	076
HIMITSU	043
HISENSE	419 442
HITACHI	011 166 009 010 012 023 075 143 158 072 363
HP	378 316 327 421
ILO	472
INFINITY	164
INFOCUS	333
INSIGNIA	350 400 052 402 403 454 457
INTEQ	073
JAMEL	002
JBL	164
JCB	070
JCPENNEY	024 197 008 009 030 065 101 143 160 363
JENSEN	013
JVC	038 034 070 083 199 210 240 406
KANAWASHO	116 070 197
KEC	043
KENWOOD	197 070
KELEGG	466
KLOSS	002 059
KLOSS NOVABEAM	002
KNIC	143
KONICA	457
KTV	043 197 143 154
KURAZAI	072
LG	363 113 116 102 106 112 127 143 284
LOGGENET	072
LOEWIE	164
LOGIK	072
LUXMAN	363
LXI	166 007 138 052 160 164 251
MAGNAVOX	164 059 197 003 060 061 063 064 127 022 160 094 228 390 363 467
MAJESTIC	161 072
MARANTZ	197 164
MATSUI	164
MATSUSHITA	080
MAXENT	242
MEGATRON	116 197 011
MEMOREX	007 072 363
METZ	088
MGA	197 024 028 042 363
MIDLAND	161 073
MIRNERVA	088
MINITEK	362
MIRACENT	390
NTC	103
MONTEGOMERY WARD	161 072
MOTOROLA	081
MYC	197 062 101 363
MULTITECH	043
NAD	138 025
NEC	272 130 134 197 040 016 024 056 019 237 262
NET TV	242
NIKEI	043
NIKKO	116 197
NORCENT	390
NTC	103
NUVISION	351
OLEVIA	432 363 161 144 160
ONKING	043
ONWA	043
OPTIMUS	025
OPTONICA	019 251
OPTOMA	265 270
ORION	096
PANASONIC	080 034 056 092 164 208
PHILCO	197 003 059 060 064 164 024 056 063 363
PHILIPS	164 005 093 038 197 003 059 127 206 431 363
PILOT	116
PIONEER	234 135 025 197 018 023 116 374 393 272
POLAROID	388 323 328 353 354 355 356 494 387 391 505 506 508
PORTLAND	143 363
PROSM	034

TV

Manufacturer/Brand	Set-Up Code Number
PROSCAN	144 160 161 165 167
PROTON	112 058 143 171 172 193 363
PROTRON	392 398 498 499 500
PROVIEW	494
PULSAR	116 073
QUASAR	034 056 092
RADIO SHACK	019 143 043 127 363
RCA	333 160 165 065 144 161 197 024 056 152 023 074 363
REALISTIC	007 019 043 047
ROCTEC	186
RUNCO	072 169 178 179 180 181 182 073 395 416
SAMPO	197 058 242 363
SAMSUNG	258 050 089 101 105 127 143 160 228 229 363
SANSUX	197
SANSEI	076
SANSUI	096 400
SANYO	166 007 020 053 057 082 187
SCEPTRE	276
SCOTCH	116 197
SCOTT	028 043 048 143 363 497
SEARS	138 030 007 028 057 143 094 160 082 165 166 363
SELECO	189 200 205 011
SHARP	251 019 014 028 029 022 143 175 363
SHENG CHIA	081
SHOGUN	116
SIEMENS	088
SIGNATURE	072
SIMPSON	003
SOLE	231 232
SONY	001 139 126 185 085 213 277
SOUNDDESIGN	028 003 043 363
SPECTRICON	112
SPECTRONIQ	499 500
SQUAREVIEW	052
STARLITE	043
SSS	043 363
SUPRA	116
SUPRE-MACY	002
SUPREME	070
SVA	328
SYLVANIA	197 003 052 059 060 063 064 164 044 160 127 514
SYMPHONIC	052
SYNTAX OLEVIA	432 363 161 144 160
TANDY	251
TATUNG	056 062
TECHNICS	034 080
TECHNOL ACE	028
TECHWOOD	363
TEKNIKA	002 003 024 028 043 072 101 143 363
TELEFUNKEN	037 046
TELEPHANT	072
TERA	172
TIKA	363
TINCI	073
TOSHIBA	138 030 007 040 062 101 325
TOTEVISION	143
TVS	096
UNIVERSAL	008 009
VICTOR	038
VIDEO CONCEPTS	146
VIDIKRON	174 188 192 164
VIDTECH	363
VIEWSONIC	242 389
VIKING	002
VIORE	472
VITO	363
VIZIO	386 387
WARDS	008 009 019 028 060 061 063 064 072 074 143 164 034 363
WAYCON	015
WESTINGHOUSE	076 280 435 001
YAMAHA	197 371 372 363
YORK	363
YUPITERU	043
ZENITH	363 073 072 095 103 284
ZONDA	112

DVD

Manufacturer/Brand	Set-Up Code Number
ANWA	146
AKAI	281
ALLEGRO	091
ALPINE	098
APEX DIGITAL	087 111 115

DVD

Manufacturer/Brand	Set-Up Code Number
BLAUPUNKT	111
BROKSONIC	130
CINEVISION	091
COBY	260
CYBERHOME	271
DENON	080 173 138
DURABRAND	091
DVD 2000	017
EMERSON	091 143
ENTERPRISE	074
FISHER	147
FUNAI	143
GE	027
GOLDSTAR	091
GO VIDEO	137 091 220 221 222
GREENHILL	111
HARMAN KARDON	084 140
HITACHI	101
HITEKER	087
ILO	268
INITIAL	111
INTEGRA	142 180 280
JBL	084
JVC	012
KENWOOD	151
KISS	279
KLH	135
KRELL	104
LITEON	264 265
LEXICON	148
LG	091 057 074
MAGNAVOX	066 096
MARANTZ	083 095
MALATA	267
MERIDIAN	153
MICROSOFT	027 206
MINITEK	111 282
MITSUBISHI	017
MTRYAD	102 134
NAD	088
NAKAMICHI	103
NESA	111
ONMYO	076 141 180
OPTIMUS	023
OPPO	266
ORION	130
PANASONIC	042 138 144 150 285
PARASOUND	245
PHILIPS	066 083 095 105 166 276
PHILIPS MAGNAVOX	141 066
PIONEER	023 099 131 304
POLAROID	233
POLK AUDIO	141 066
PROCEED	086
PROSCAN	027
RCA	027 307
RIO	091
RUTECH	269
SAMSUNG	056 070 165 137 159 275
SANSUI	154
SANYO	534 661
SEARS	130
SENSORY SCIENCE	222
SHARP	094
SHERWOOD	245
SHISONIC	033
SOLAR BLUE	091
SONY	001 033 118 145 191 286
SPECTRONIQ	310
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
TEAC	023 270
TECHNICS	042
TECHWOOD	088
THETA DIGITAL	023
THOMPSON	027
TOSHIBA	034 130 141 164 188
URBAN CONCEPTS	035
VENTURER	149
VINC	308
V-BOX	027 206
YAMAHA	042 089 166 197 138
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
PANASONIC	138
SAMSUNG	301
SENSORY SCIENCE	222
SONY	191
TOSHIBA	188 273

DVD-TV/DVD Combos

Manufacturer/Brand	Set-Up Code Number
AKAI	281
ANWA	146
AUDIOVOX	284
DURABRAND	143
ESA	143
FUNAI	143
INSIGNIA	292 297
MINITEK	282
POLAROID	284 295 297
KEC	601
SYLVANIA	143
SYMPHONIC	143
SV2000	143
TOSHIBA	130
TRUTECH	293

DVD-TV/DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
EMERSON	143
MAGNAVOX	143
PANASONIC	144
SUPERSCAN	143
SYLVANIA	143
TOSHIBA	164

DVD-DVD/VCR Combos

Manufacturer/Brand	Set-Up Code Number
GO VIDEO	137
PANASONIC	150
PHILIPS	105 (VCR Functions for VCR567)
SAMSUNG	137 159
SANSUI	154
SONY	145
TOSHIBA	141
ZENITH	091 (VCR Functions for VCR601)

DVD-VCR

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	525 553
ADVENTURA	534
AIKO	617
ANWA	534 661
AKAI	516 646 543 546 624 625
AMERICA ACTION	617
AMERICAN HIGH	645
AMPRO	572
ANAM	645
ASHA	602
AUDIO DYNAMICS	512 523 539 543
AUDIOVOX	601
BEAUMARK	602
BROKSONIC	535 537 629
CALIX	601
CANION	528 645
CAPEHART	608
CCE	524 617
CITIZEN	601 617
COLT	524
CRAIG	503 522 602
CURTIS-MATHES	541 645
CYBERNEX	602
DAEWOO	611 616 617 505 507 510 565 608 610 620
DAYTRON	608
DBX	512 523 539 543

DVD-VCR

Manufacturer/Brand	Set-Up Code Number
DYNATECH	534 553
SHOGUN	559
ELECTROPHONIC	601
EMERSON	506 529 535 517 525 527 534 536 537 546 601 629 631 653 662 616 645
FISHER	503 510 508 509
FUJI	645
FUNAI	534
GARRARD	534
GE	572 647 563 607 609 644 645
GO VIDEO	632 636 655 615 602
GOLDSTAR	601 606 614 520 512 623
GRADIENTE	534
HARLEY DAVIDSON	534
HARMAN KARDON	512 545
HARWOOD	524
HITACHI	504 526 650 518 534 543 563 637 660 520
HQ	534
INSTANTREPLAY	645
JCL	645
JCPENNEY	512 515 566 601 520 602
JENSEN	543
JVC	548 543 630 550 555 560 512 550 652 645
KEC	601
KENWOOD	514 548 534