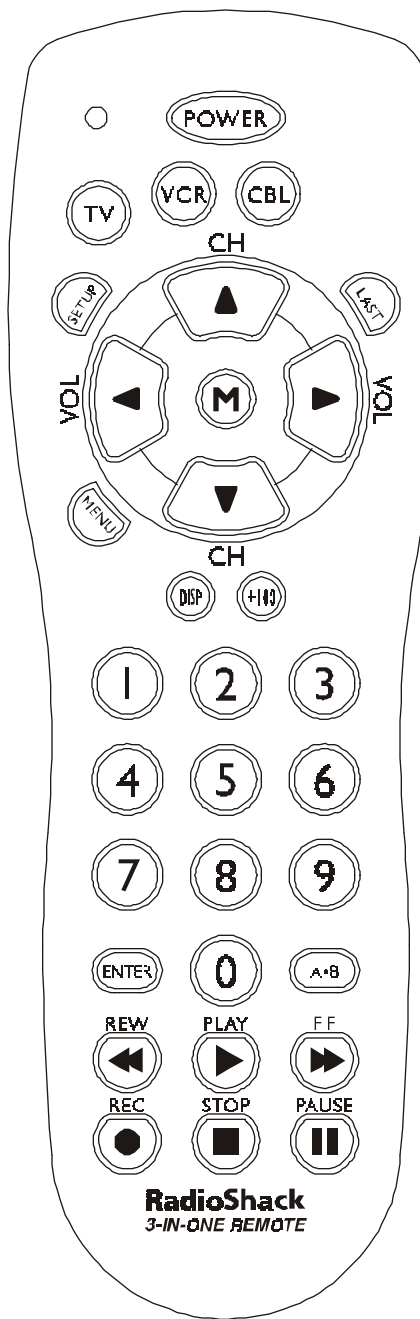




RadioShack



Introduction

Thank you for buying a RadioShack Remote Control. You can use your remote to replace a broken or lost remote or combine the functions of two or more remotes.

This remote control operates the common features of most (but not all) models and brands of IR (Infrared) controlled video equipment. This remote may support functions that are not available on your device. Some functions of your particular device (such as menu functions) may not be controlled by this remote. In such cases, use the original remote control for your device.

Please use this manual to become familiar with your remote, then install batteries and set up your remote for your particular device and brand.

Battery Installation

- 1. Push down on the tab on the back of the remote and lift off the cover.
2. Match the batteries to the + and - marks inside the battery case, then insert 2 AAA alkaline batteries.
3. Replace the cover.

When the remote's range decreases or it does not operate properly, replace the batteries. You have 2 minutes to change the batteries without losing codes you have programmed. Do not press any buttons until batteries are installed. If buttons are pressed without batteries in the remote, all codes will be lost.

Battery Saver

Your remote automatically times out if the buttons are pressed more than 30 seconds. This will save your batteries should your remote get stuck in a place (for example, between sofa cushions) where the buttons remain pressed.

TV Volume/Mute Punch-Through

The TV Volume/Mute punch-through feature lets you control the Volume and Mute function of your TV in any mode programmed to be a VCR or Cable device without changing to TV mode.

TV/VCR Punch-Through

When the remote is in TV mode or any mode programmed for Cable, the 6 VCR keys (Play, Pause, Stop, Record, FF and Rewind) will punch-through to the device programmed under VCR (in TV mode), or any mode programmed for Cable.

Button functions

The remote powers on in TV mode.

Table with 2 columns: Button Name and Function. Includes A/B, Enter, Menu, Disp, Last, and 100+ buttons.

Note: Some buttons on the remote might have functions that are labeled differently on the device you are controlling, depending on the brand and model of your device. For example, Last may be called RECALL or Previous Channel; ENTER may be called DISPLAY. Also, this remote can only operate features that exist on your device. For example, your device must have Previous Channel capability for the Last button to operate this feature.

Code Setup

The Setup button is used to setup the remote. You can set up the remote using the code for your brand of device from the code list, or search through the library of codes until you find a code that works for your device.

You can store any kind of code under any mode (except TV). For example, you can store a VCR code under the CBL key. However, you can only store TV codes under the TV key.

Direct Code Entry

- 1. Press and hold the Setup button until the red indicator stays on. Release the Setup button.
2. Press and release the desired mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
3. Enter the 3 digit code from the code list. Note: The red indicator turns off after a valid code entry and flashes for an invalid code.
4. With your device on, press Channel Up. If the device responds, no further setup is required. Note: If some buttons on your device do not operate, try one of the other codes for your brand.

TV/VCR Combo units

For some TV/VCR combo units, you might need to set up two different buttons to control both parts of the combo unit. See "Direct Code Entry" on page 3. For example, set up a code under the TV button to control the TV part of the combo unit and a separate code for the VCR under any other button you choose.

Programming with Code Search

- 1. Manually turn on the device (TV, VCR, etc.) to be controlled.
2. Press and hold the Setup button until the red indicator stays on. Release the Setup button.
3. Press and release the desired mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
4. Repeatedly press the Channel Up button (up to 300 times) until the device to be controlled changes channel. The red indicator blinks, then stays lit.

If you accidentally overshoot the desired code, press the Channel Down button to backtrack through the library until the device changes channels. Pressing Channel Up changes the direction to forward again. Press and release the Enter button to set the code. If the device does not have a Channel Up button, use Play (VCR) or Power instead.

This method assumes that you want to store VCR codes under the VCR button, CBL codes under CBL, etc. If you want to store a VCR code under CBL, first follow the procedure for "Direct Code Entry" on page 3, trying any CBL code from the code tables (that is, press CBL in step 2, then enter any VCR code). Then follow the steps for Code Search above.

Operation

- 1. Press the mode button for the desired device.
2. Aim the remote at the device.
3. Press POWER to turn on the device.
4. Press other buttons to operate the features of your device.

Note: The REC button must be pressed TWICE to record from your VCR. For some brands of VCRs, you might need to press the REC button once, then press it again for three seconds.

Code Identification

- 1. Press and hold the Setup button until the red indicator stays lit. Release the Setup button.
2. Press and release the desired mode button (TV, VCR, etc.). The red indicator blinks, then stays lit.
3. Press and release the Setup button. The indicator light blinks off.
4. To find the first digit for the code stored under the mode key you pressed in step 2, press each numeric key from 0-9 in turn. When the indicator blinks off, the number you pressed is the first digit for the code you are searching for.
5. Repeat step 4 to find the second and third digits.

Troubleshooting

- Remote does not operate your device.
- Press the mode button of the device you want to control.
- Program the remote with a new code.
- Install new batteries. (You might have to reprogram your remote after installing new batteries.)
- Remote may not be compatible with your device.

- Remote does not operate some features of your device.
- Program remote with a new code.
- Remote may not be able to operate all features of your device or button names might be different than your device.

- Indicator light blinks after you program a device code.
- Remote did not accept the code.
- Try to program the code again or try a different code.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period. This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, setup service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

Custom Manufactured in China for RadioShack, Ft. Worth, TX 76102.

Cat.No.15-2114 A ] Code List

TV	ELEKTRA .....001	MAGNAVOX .....004 008	PULSAR .....121	TELECAPTION .....117	DAYTRON .....335	MGA .....254 290	REPLAY .....373	Cable	SIGNATURE .....463	ONKYO .....422	NORSTAT .....601 602	FISHER .....667 675	SYLVANIA .....666
	ELECTROBAND .....002 014	.....009 062 068 069 074 075	PULSER .....004	TELERENT .....000 001	DBX .....234 348	MGN TECHNOLOGY .....238	RICOH .....353	ABC .....461 462 463	SL MARX .....474	OPTIMUS .....404 439	PACE .....614 615 646	.....676 677 718	SYM PHONIC .....709
ABEX .....185	ELECTROHOME .....003 004	.....076 077 089 133 163 165	QUASAR .....003 054 055 062	TERA .....004 186	DIMENSIA .....225	MIDLAND .....278	RUNCO .....329	.....464 465 466 467	SPRUCER .....460	ORITRON .....415	PANASONIC DSS .....586 626	GE .....725	TEAC .....676 689 699
ACME .....003 021	.....009 022 133	MAJESTIC .....000 001	.....070 148 149 170 171	TM K .....004 009	DYNATECH .....227 251	M INOLTA .....280 332	SAMSUNG .....230 238 240 258	STANDARD COMPONENTS	STANARD .....460	PANASONIC .....400 401	PRM ESTAR .....627 640	GENEXXA .....672 673 678 719	.....709 710 711 856
ADA .....018	EMERSON .....004 009	MARANTZ .....004 009 062	RADID SHACK .....000 004 009	TOSHIBA .....013 049 089 105	ELECTROHOME .....239 254	MITSUBISHI .....254 276 277	.....278 280 337 354 359	ALLEGRO .....524 525	PHILIPS .....398 408 423	PHILIPS .....576 612 639	GOLDSTAR .....720	TECHNICS .....716 733 820 862	
ADC .....004 002	.....014 023 024 025 026 027	MEGATRON .....004 009 059	.....031 041 042 048 049 053	.....109 117 118 120 159 178	ELECTROPHONIC .....239	.....280 290 291 293 294	SANKY .....226 329	AMERICAST .....527	STARCOM .....461 467 478	.....404 439	HARMAN KARDON 680 691	THETA DIGITAL .....731	
ADMIRAL .....001 173	.....030 032 033 034 035 036	MEI .....014	.....095 133 155 170 172 194	UNIVERSAL .....052 087	EMERSON .....227 231 237 239	.....295 296 298 299 348	SANSUI .....317 336 348	ANTRONIX .....468 469	STARGATE .....474 478	PROSCAN .....403	.....612 639	HITACHI .....678	TOSHIBA .....721
ADVENTURA .....174	.....037 038 039 040 041 042	MEMOREX .....000 001 004	RCA .....000 003 004 005 007	VICTOR .....026 247 250 251 257	.....254 255 256 257 258	MONTGOMERY WARD .226	SANYO .....238 248 267 268	ARCHER .....468 469 470 471	STAR SIGHT .....520	RADIO SHACK .....342 443	PIONEER .....584	VICTOR .....682	
AKO .....058	.....043 045 046 049 053 116	.....009 011 048 078 082 083	.....009 011 048 078 082 083	VIDTECH .....004 005 009	.....254 255 256 257 258	.....254 255 256 257 258	SCOTT .....237 240 250 257	AT&T .....511	STAR SIGHT CABLE	RCA .....342 403 430 443	PROSCAN .....622 636	JC PENNEY .....690 777	YAMAHA .....665 714 850
AIWA .....195 196	.....135 147 177 179	MGA .....004 005 009	.....094 096 098 099 101 102	VKING .....174	.....259 260 261 262 263	MOTOROLA .....226 246 285	.....263 290 318 341	CABLETENNA .....468	SERVICE .....507	SAMSUNG .....407	RCA DSS .....636 649 652 653	JVC .....682 813	.....713 724 846
ALLERON .....046	ENVISION .....004 009	.....022 046 133 180	.....103 107 113 129 133 167	WARDS 000 001 004 005 009	.....264 265 266 268 269	MTC .....227 238 251	SEARS .....239 246 248 268	CABLEVIEW .....468	STARQUEST .....478	SAMPO .....417	REALISTIC .....567 603	KENWOOD .....683 684 685	ZENITH .....676 730
AMARK .....020	FISHER 013 049 050 180 209	MIDLAND .....054 055 107	.....179 181 187 188 194	.....024 031 033 046 052	.....062 068 069 074 075	MULTITECH .....227 238	.....273 274 275 280	CENTURY .....471	STAR TRAK .....516	SEG .....428	SAMSUNG .....594	.....727 728 828	.....759 784 850
AMTRON .....053	FUJITSU .....046 197	.....121 172 181	REALISTIC 000 004 009 031	.....062 068 069 074 075	.....076 087 095 119 133	FISHER .....234 248 267 268	.....273 274 275 287	CITIZEN .....471	TANDY .....500	SHARP .....397	SCIENTIFIC ATLANTA .607	KRELL .....666	
AKAI .....002	FUNAI .....042 053 046	MINTZ .....052	.....041 042 048 049 053	.....076 087 095 119 133	WHITE WESTINGHOUSE ...	.....229 246 285	FUJI .....229 246 285	COLOUR VOICE .....472 473	TELEVIEW .....474	SHERWOOD .....425	SHARP .....604	KYOCERA .....660	Audio
AMSTRAD .....189	FUTURETEC .....042 053	MITSUBISHI .....004 005	.....095 133 155 170 172	.....301 302 303 336 348	.....097 100	.....301 302 303 336 348	.....300 360 361 367	COM TRONICS .....474 475	TELEWEST .....532	SHINCO .....430	"SIERRA I II III" .....561	LUXMAN .....686 687 729 738	
ANAM NATIONAL .....003	GE .....000 003 004 009 022	RHAPSODY .....014	.....089 132 133 180	NKKO .....239	GARRARD .....251	NOBLEX .....238	SHINTOM .....229 280	CONTEC/CONY .....499	TEXSCAN .....477	SONY .....399	SONY DSS .....585 623	LXI .....839 842 851 860	
.....025 042 053 193	.....031 044 052 054 055 087	RUNCO .....121	.....092 103 107 125 164 181	GARRARD .....251	GE .....225 238 246 278	OLYMPUS .....246 285	.....286 353 357	EASTERN .....477	TOCOM .....464 501 513	TEAC .....404 439	STARCHOICE .....627 640	MAGNAVOX .....666 731 800	CARVER .....825
AOC .....004 005 007 009	.....092 103 107 125 164 181	SAMPO .....004 009 172 175	MONTGOMERY WARD .000	GE .....225 238 246 278	.....038 058 059 064	OPTIMUS .....226 239 334	SHOGUN .....238	GARRARD .....471	TOSHIBA .....486	THETA DIGITAL .....404 439	STAR SIGHT .....633	MARANTZ .666 688 689 732	CITIZEN .....826
.....014 132 156 175	GIBRALTER .....004 121	SAMSUNG .....004 005 009 015	MOTOROLA .....003 173	.....285 340 342 345	.....121 135 136 153	.....359 361 362 363	SIGNATURE .....227	GC ELECTRONICS .....469	TUSA .....478	TOSHIBA .....398 436	STAR TRAK .....608	MCS .....690 777	DENON .....803 817
ARCHER .....020	GOLDSTAR .....004 005 009	.....104 105 106 109 133 172	MTC .....004 005 009	GOLDSTAR .....234 239 346	VCR	.....359 361 362 363	SONY .....229 324 353	GEMINI .....478 479	TV86 .....442	W H ARFEDALE .....442	STS .....568 569 570 571	MGA .....691	FISHER .....814 821
AUDIOVOX .....053	.....056 057 133 155 156 172	SAM SUX .....009	.....014 105 109	GRADIENTE .....251	ADMIRAL .....226	OPTONICA .....300 359	.....364 365 366 372	GE .....549	UNIKA .....468 469 471	YAMAHA .....400 420	SUPER GUIDE .....609	MISSION .....666	GOLDSTAR .....766
BANG & OLUFSEN .....190	GRUNDY .....046 053	SANSUI .....135 136	MULTITECH .....004 013 049	GO-VIDEO .....359 368 375	ADVENTURA .....251	ORDON .....256	STARS .....246 285 334	GENERAL INSTRUMENT ...	UNITED ARTISTS .....462	YAMAKAWA .....438	TOSHIBA .....572	MITSUBISHI .....691 692	HARMAN KARDON 804 818
BELCOR .....004	HALLMARK .....004 009	SANYO .....108 110 180 209	MULTIVISION .....084	HARLEY DAVIDSON .....251	AKO .....226	PANASONIC .....246 285 334	.....340 350 363 373 374	.....463 509 511 513 514	UNITED CABLE .....461	ZENITH .....396 405 437	NAD .....721 743	JVC .....790 813 819	
BELL & HOWELL .....000	HARVARD .....053	SCOTCH .....004 009	NAD .....004 009 109 185	HARMAN KARDON 234 293	ADVENTURA .....251	.....340 350 363 373 374	SYLVANIA .....227 251 285	.....518 528 529 530 531	UNIVERSAL .....468 469	SAT	UNIDEN .....573 611	KENWOOD .....683 808	
.....001 049	HITACHI .....001 004 009	NEC .....003 004 005 009	NEC .....003 004 005 009	HARWOOD .....286	ADVENTURA .....251	PENTAX .....241 280 332 345	.....287 290 340 349	HAMLIN .....480 481 482	VIDEOWAY .....504	AMPLICA .....575	UNIDEN DSS .....633	NEC .....816 828 832	
BRADFORD .....053	.....013 059 061 079 088	SCOTT .....004 009 024	.....035 042 046 053	HEADQUARTER .....268	ADVENTURA .....251	PHILCO .....246 285 287 340	SYM PHONIC .....227 236 251	HITACHI .....463	VIEWSTAR .475 485 487 500	CHANNEL MASTER .....577	UNIDEN .....633	NKKO .....665 673 676	MAGNAVOX .....796 814
BROKSONIC .....136 147	.....091 137 139 140 141 142	SEARS .000 004 009 013 031	NIKEI .....042	HITACHI .....227 280 282 332	AKAI .....228 229 230 231	PHILIPS .....246 285 287 288	TANDY .....227 268	HYTEX .....462	JASCO .....471	CHANNEL MASTER .....577	VIDEO CIPHER II .....574	NSM .....666	MARANTZ .....688 824
BROKWOOD .....004	.....143 144 145 146 179 210	.....046 049 105 107 109	NKKO .....004 009 058	AKAI .....228 229 230 231	.....233 254 336 337	.....300 328 331 333	TASHIKO .....239	JASCO .....471	JERROLD .....461 463 464 465	.....578 579	ZENITH .....562 563 574 587	ONKYO .....695 696 722 811	NAD .....721 739 743
CANDLE .....004 008 009 174	MA .....053	NTC .....004 009 058	ONWA .....042 053	.....233 254 336 337	ALLEGRO .....239	.....300 328 331 333	.....349 371 378	.....471	.....461 463 464 465	.....578 579	.....615 634 635 646	OPTIMUS ..667 668 672 678	ONKYO .....805 811 812
CAPEHART .....175	INFINITY .....062	ONKING .....042	OPTIMUS .....170 185	ALLEGRO .....239	AUDIO DYNAMICS .234 348	.....349 371 378	TATUNG .....336	.....467 478 484 509	.....519 520 521 522	CHAPPARAL .....560 561 580	.....684 697 698 699	OPTIMUS ..667 747 748 749	
CELEBRITY .....002	INTEQ .....121	ONWA .....042 053	OPTONICA .....095 173	AMERICAN HIGH ....246 285	.....110 133 180 181 189	.....349 371 378	TEAC .....227 251 336	.....510 511 526 528 529	.....523 524 525 527 533	CHEYENNE .....561	.....700 744 747 751	.....750 751 752 754 793	
CENTURION .....009	JANEIL .....174	ONWA .....042 053	ORION .....035 121 135	ASHA .....238	.....112 114 122 123 124 173	.....371 372	TECHNICS .....246 285 334	MAGNAVOX .....485	DVD	DRAKE .....562 574 587	DENON .....305	.....864 897 898 899	OPTIMUS ..667 747 748 749
CETRONIC .....042	JBL .....062	OPTIMUS .....170 185	PANASONIC .....003 054 055	AUDIO DYNAMICS .234 348	.....046 049 105 107 109	.....371 372	TEKNIKA .....227 239 246	MEMOREX .....486	AWA .....414	DISH NETW ORK ....588 589	PIONEER .....305	.....700 744 747 751	.....750 751 752 754 793
CITIZEN .....001 004 008 009	JCB .....002	ORION .....035 121 135	PHILCO .....003 004 005 008	.....238	.....046 049 105 107 109	PORTLAND 241 242 244 335	.....251 285 325	MOVIE TIME .....462 487	AKAI .....395	.....590 613 628 647 648 654	PIONEER .....305	.....700 744 747 751	.....750 751 752 754 793
.....042 053 058 105 109 177	JC PENNY .....000 004 005	PANASONIC .....003 054 055	PHILIPS .....009 062 068 069	BEAUMARK .....238	.....046 049 105 107 109	PROSCAN .....225	TiVo .....462 487	NSC .....462 487	APAX .....424	OAK .....462 476 489	PROSCAN .....308	.....719 750 837 876	RADIO SHACK .....706 754
CLARTONE .....014	.....008 009 022 031	SONY .....002 006 071 128	PILOT .....004 009	BROKSONIC .....237 250	.....046 049 105 107 109	PROTEC .....286	TOSHIBA .....240 274 280	OAK .....462 476 489	DAEWOO .....440 441 444	PACE .....532	RCA .....308	.....719 750 837 876	RADIO SHACK .....706 754
CLASSIC .....042	.....052 054 055 063 087	SOUNDSEIGN ....004 008 009	PIONEER .....004 009	JENSEN .....280 336	.....042 053 046	PULSAR .....329	.....240 274 280	PACE .....532	DAEWOO .....440 441 444	PANASONIC .....460 508	SANYO .....232	.....866 867 875 878 879	QUASAR .....716
COLORTYME .....004 009 010	.....105 107 109 172 181	.....042 053 046	PHILIPS .....009 062 068 069	JVC .....234 247 268	.....042 053 046	QUARTER .....268 374	.....240 274 280	PANASONIC .....460 508	DAEWOO .....440 441 444	PARAGON .....486	SONY .....323	.....866 867 875 878 879	RCA .....717 772 781 795
CONCERTO .....004 009	JENSEN .....004 009	.....042 053 046	PHILIPS .....009 062 068 069	QUARTER .....268 374	.....042 053 046	QUARTZ .....268	.....287 290 318 341	PARAGON .....486	DENON .....400 421	PHILIPS .....471 472 473 479	UNITECH .....238	.....866 867 875 878 879	RCA .....717 772 781 795
CONCERGE .....121	JVC .....013 054 055	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	QUASAR .....246 285	.....238 239	PARAGON .....486	ELTA .....434 435	PHILIPS .....471 472 473 479	VECTOR RESEARCH .....234	.....866 867 875 878 879	RCA .....717 772 781 795
CONTEC/CONY .....012 013	.....060 065 067 089	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....340 350 363	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDSONIC .....238	.....866 867 875 878 879	RCA .....717 772 781 795
.....014 042 053	KAWASHO .....002 004 009	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....340 350 363	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDS .....226 227 238 239	.....866 867 875 878 879	RCA .....717 772 781 795
CRAIG .....042 053	KAYPANI .....175	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	RCA .....225 228 238 246	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDSONIC .....238	.....866 867 875 878 879	RCA .....717 772 781 795
CROWN .....042 053	KEC .....042	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....280 285 307 308 309	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDS .....226 227 238 239	.....866 867 875 878 879	RCA .....717 772 781 795
CURTIS MATHES .....000 001	KENWOOD .....004 009 133	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....311 312 313 314 315	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDS .....226 227 238 239	.....866 867 875 878 879	RCA .....717 772 781 795
.....004 009 015	KLOSS NOVABEAM .....068	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....316 332 342 345 350 362	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDS .....226 227 238 239	.....866 867 875 878 879	RCA .....717 772 781 795
CXC .....042 053	KONKA .....016 047 066	.....042 053 046	PHILIPS .....009 062 068 069	QUARTZ .....268	.....042 053 046	.....240 246 248 251 254 280	.....240 241 348	PARAGON .....486	EMERSON .....396	PHILIPS .....471 472 473 479	WARDS .....226 227 238 239	.....866 867 875 878 879	RCA .....717 772 781 795
DAEWOO .....004 005 009	.....157 158 176	.....042 053 046	PHILIPS .....00										

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TV	DUMONT .....004 121	LOEW E .....062 211	PORTLAND 004 005 009 058	SYM PHONIC .....033 053 189	CITIZEN .....234 238 239 240	LLOYD .....227 251	QUASAR .....246 285	UNITECH .....238	PACE .....532
	DYNASTY .....042	LOGIK .....000 001	PRECISION .....166	TANDY .....173	.....241 242 244 252	LOGIK .....286	.....340 350 363	VECTOR RESEARCH .....234	PANASONIC .....460 508
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