

Brand	TV	CABLE
OPTONICA	120 140 277 289 038 008	
ORION	298 302 294 022 004 010	
ORITRON PANASONIC	153 181 188 189 200 201 299 307 267 271 028 046 058	160 017
PANSAT PENNEY	266 286 267 273 261 293 262 256 280 253 260 264 258 052 018 046 025 002 001 006 000 057 000 054 030 019 056 051 055	024
PENTAX		
PENTEX RESEARCH PHILCO	071 072 076 092 131 138 168 169 170 172 177 178 181 182 201 205 270 261 257 278 042 004 002 007 000 024 020 009 023	
PHILIPS	071 072 138 160 169 170 178 181 182 229 245 270 311 042 062	009 012
PILOT	261 264 002 000 054	
PIONEER	071 072 128 129 130 136 176 211 290 263 337 309 041 014	161 003
POLK AUDIO		
PORTLAND	072 168 172 276 264 000 054 021	
PROCE CLUB		
PRIMA	319 327 326 323	
PRINCETON	312	
PRISM	267 046	
PRISMSTAR		
PROFITRONIC		
PROSCAN	219 220 221 222 227 242 266 052	007 019
PROTEC		
PROTON	072 086 093 098 099 168 153 188 189 201 293 293 253 268 001 030 032	
PROVIEW	329	
PULSAR	255 060 000	
PULSER		
QUARTER		
QUARTZ		

Brand	TV	CABLE
QUASAR	153 188 189 201 299 267 271 289 307 028 046 008 058	
QWESTRA		
RADIO SHACK	072 106 120 168 170 266 261 262 272 285 295 293 229 052 003 008 027 002 001 000 054 056	
RADIX		
RANDEX		
RCA	071 072 073 194 195 201 205 211 212 219 220 221 227 228 266 309 263 256 275 280 052 046 038 000 057 041 017 050 051 055 050 051 066	008
REALISTIC	110 112 114 120 122 285 295 261 264 262 272 295 293 003 008 027 002 001 000 054 056	
REGAL		
REGENCY		
REMBRANDT		
REPLAY TV		
RHAPSODY	296 020	
RICO		
RIO		
ROTEL		
RUNCO	191 193 209 238 239 240 243 255 261 060 002 015 016	
SALORA		
SAMPO	071 072 077 093 261 262 268 264 341 002 054 056	
SAMSUNG	072 077 145 148 150 168 170 172 186 198 221 244 273 314 261 272 262 293 321 025 002 001 000 056 026 068	162
SAMSUX	194 054	
SANKY		
SAHSEI	036	
SANSUI	302 004	
SANYO	096 097 101 107 108 114 175 217 241 285 282 288 003 059 064	
SCIMITSU	000	
SCIENTIFIC		135 003 004

Brand	TV	CABLE
ATLANTA		005 006
SCOTCH	293 001	
SCOTT	072 077 078 106 113 168 295 293 294 022 027 001 000 010	
SEARS	072 078 096 097 101 114 123 150 168 171 172 173 217 221 266 270 285 286 293 291 282 288 294 272 052 042 003 018 001 010 000 006 059 047	
SELECO	232	
SEMIVOX	027	
SEMP	018	
SHARP	072 078 119 120 121 122 140 141 142 143 168 172 209 236 237 277 264 289 287 038 008 054 044 055 063	
SHENG CHIA	207	
SHINSONIC		
SHINTOM		
SHOGUN	000	
SIGNAL		
SIGNATURE	076 077 078 122 138 141 154 172 191 192 254 053	
SIMPSON	297 012	
SINGER		
SKYVIEW		026
SONIC BLUE		
SONY	089 095 114 133 134 197 245 251 279 274 040 039 065	163 016
SOUNDESIGN	072 078 106 178 295 293 294 027 001 010 012	
SPECTRICON	083 253 030	
SPRUCER		
SQUAREVIEW	291 047	
SSS	072 106 295 027 000	
STANDARD COMPONENT		
STARLITE	295 027	
STARCOM		018
STARGATE		018
STARQUEST		
STEREOPHONICS		
STS		
SUNFIRE		
SUPREMACY	151 265 005	
SUPREME	251 040	
SVA	318 322	

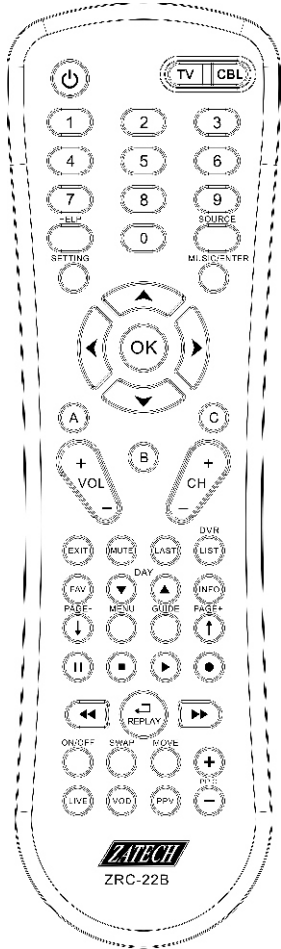
Brand	TV	CABLE
SYLVANIA	071 077 092 131 138 146 169 170 177 178 181 182 184 221 270 261 257 278 291 042 002 044	
SYMPHONIC	144 295 291 027 047	
TANDY	140 277 038	
TASHIKO		
TATUNG	153 201 234 271 253 058 030	
TEAC		
TECHNICS	188 200 267 299 028 046	
TECHNOLACE	294 010	
TECHVIEW	332	
TECHWOOD	072 267 272 253 046 000 030	
TEKNIKA	072 078 106 112 148 151 168 172 178 182 191 192 205 270 295 283 273 272 276 042 027 049 025 000 010 053 054 021 012	
TELEFONICA		011
TELEFUNKEN	272 314 000	
TELERENT	172 191 192	
TERA	085	
THETA DIGITAL		
THOMAS		
THORENS		
TITECH 4500		021
TIVO		
TMK	072 293 292 272 001 000 011	
TNCI	255 060	
TOCOM		
TOSHIBA	079 114 123 148 150 171 173 234 273 285 286 307 340 003 018 025 023 026 067	164
TOSONIC	296 020	
TOTEVISION	168 1264 054	
TP0065		023
TREDEX		
TRICAL	287 044	
TUSA		
TVS	302	
UNIDEN		
UNIKA		
UNITECH		
UNITED CABLE		
UNIVERASL	152 154 260 019	
URBAN CONCEPTS		
VECTOR		
VECTOR	261 002	
RESEARCH		

Brand	TV	CABLE
VENTURER		
VICTOR	269 048	
VIDEO CONCEPTS	139	
VIDEOAGIC		
VIDEO SONIC		
VIDIKRON	180 235 270 042	
VIDTECH	072 293 001 000	
VIEWSAT		025
VIEWSONIC	331	
VIKING	265 005	
VILLAIN		
WARDS	072 078 092 120 131 138 152 154 168 177 181 191 228 270 261 293 279 294 258 278 257 274 289 337 254 260 272 042 008 002 001 006 000 010 053 039 019	
WAYCON	286 018	
WESTING HOUSE	118	
WHITE WESTINGHOUSE	302 304 004 034 035	
XBOX		
XR-1000		
YAMAHA	071 072 261 002 000	165
YORK	072 077	
YUPITERU	106	
ZENITH	105 111 191 193 203 255 254 276 293 302 060 004 053 021 035	165
ZENITH TV/VCR	132 159	
ZONDA	083 253 014	
OTHERS	100 116 135 144 157 165 174 183 185 190 199 204 213 215 223 224 225 226	027 028 029 030 031 032 033 034 035 036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060 061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085 086 087 088 089 090 091 092 093 094 095 096 097 098

Brand	TV	CABLE
		099 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227

CODES FOR CABLE BOX			
BRAND/TYPE	CODE	BRAND/TYPE	CODE
GENERAL INSTRUMENT		PIONEER	
DCT, CFT2200	119	VOYAGER	118
CFT2100, CFT2000	126	BA-9000	120
DL4, DP(V), DQN(V), DPBB	127	BA-V1000, BA-V2000	120
		BC-4600, BA-6000	129
SCIENTIFIC ATLANTA		TOCOM	
EXPLORER	118	5503VIP, 5507, 5508	128
8600X	123	ZENITH	
8600	124	MM2500	130
8540, 70, 90	125	Z-TAC	131

ZRC-22B Universal Remote Control User's MANUAL



- GENERAL
1. Device Keys: TV, CBL

2. Function Keys: other keys except device keys, eg. 0,1,...9, VOL+/- etc.

3. Operating Mode: Code Manual Setting, Code Inquiry Setting, Code Searching Mode

4. IR Transmitting

5. LED light up to indicate the signal & setting mode

SELECTING OF DEVICE

Switch between TV & CBL to choose the device you want to control.

SETTING MODE

CODE MANUAL SETTING

1. Press POWER + OK for 3 seconds, the LED light up to enter into setting mode.

2. Input the 3 digital numbers you choose from the code list, the LED will flash one time if one correct digital number you input.

3. Inputting code correctly, the LED will light up. Then press key "OK", the LED light off after it flash 2 times & correct code is on memory. If wrong code inputted, the LED will light off directly & then light up again to indicate the user to re-input codes.

Note: If not keys pressed in 20 seconds, the LED will light off to exit the setting mode.

CODE INQUIRY SETTING

1. Press POWER + OK keys for 3 seconds, the LED light up to enter setting mode.

2. Press INFO key, the LED will flash one time, then press number key "1, 2, 3" one by one. While press "1", the time the LED flashed indicates the 1st digital number of the code. While press "2", the time the LED flashed indicates the 2nd digital number of the code. While press "3", the time the LED flashed indicates the 3rd digital number of the code. If the LED does not flash, that means the digital number is 0. Please write down the numbers correctly.

3. Press Ok to confirm after getting the 3 digital numbers.

Note: If not keys pressed in 20 seconds, the LED will light off to exit the setting mode.

SEARCHING MODE

1. Turn off the device you will control.

2. Press POWER + OK keys for 3 seconds, the LED will light up to enter setting mode.

3. Press POWER key to searching mode.

4. Point the device you will control, press POWER key again to search the code onwards one by one to locate the correct code. Once the device turn on (means you get the correct code), press OK to confirm the setting.

Note: If not keys pressed in 20 seconds, the LED will light off to exit the setting mode.

CODE LIST		
Brand	TV	CABLE
ABEX	262 056	
ADC		
ADENTURA	005	
ADMIRAL	140 191 192 219 221 227 277 302 038 004	
ADVENT	319 323 330 327 326	
ADVERTURA	265	
AIKO	276	
AIWA	313 013 026 010	
AKAI	071 076 139 314 261 308 002	
ALARON	010	
ALBATRON	331 312	
ALERON	314	
ALLEGRO		
ALPHASTAR		
AMARK	083 091 168 172 253 030	
AMBASSADOR	292 011	
AMERICAACTION	295 027	
AMERICAN HIGH		
AMPRO	193 242	
AMTRON		
ANAM	079 083 084 179 200 201 295	
ANAM NATIONAL	271 058 031 030 033	
ANTRONIX		
AOC	071 092 076 083 093 261 268 253 296 002 000 030 020	
APEX DIGITAL	318 320	
ARCHER	253 030	
ASHA		
AUDIO DYNAMICS		
AUDIOTRONIC		
AUDIOVOX	118 301 295 276 304 253 036 027 030 021 034	
BAYSONIC	027	
BEAUMARK		
BELCOR		
BELL&HOWELL	192 285 254	
BLAUPUNKT		
BLUE PARADE		
BOSE		
BRADFORD	295	
BROKSONIC	113 115 298 302 253 022 004 030	
BROKWOOD		
CABLETENNA		
CABLEVIEW		
CALIX		
CANDLE	071 072 151 178 261 272 265 002	

Brand	TV	CABLE
	000 048 012	
CANON		
CAPEHART	093	
CAPETRONIC		
CARNIVALE	261 002	153
CARVER	270 042	
CCE		133
CELEBRITY	251 040	013
CELERA	320	015
CENTURY		
CENTURION	077	
CETRONIC	106	
CHANGHONG	320	
CINERAL	036 021	
CINE VISION		
CITIZEN	071 072 105 106 148 151 168 178 273 261 276 264 272 265 025 002 000 054 005 021 012 043	
CLAIRTONE	296 020	
CLARION	295	
CLASSIC	106	
COLORTYPE		
COLOUR VOICE		
COLT		
COMTRONICS		
CONCERTO	072 272 000	
CONTEC	103 106 244 295 296 287 027 044 020	
CONTEC / CONY		010
COOLSAT		
CORONADO	153 168	020
COSHIP		
CRAIG	106 179 295 027	
CROSLEY	270 042	
CROWN	106 168 172 295 264 027 054	
CURTIS MATHES	071 072 077 148 168 192 227 266 270 285 301 277 273 314 261 281 290 272 254 303 264 042 052 003 046 036 038 025 002 007 000 053 054 014 032 051	
CXC	106 295 027	
CYBER HOME		
CYBERNEX		
DAEWOO	070 072 075 084 087 104 105 106 111 118 126 146 147 155 156 158 168 170 196 214 301 339 276 308 304 264 036 000 054 021 034 035 069	

Brand	TV	CABLE
DAX		
DAYTRON	072 077 168 000	
DBX		
DELL		
DENON	281 007	153
DIMENSIA		
DIRECTOR		133
DISH NETWORK		013
DISHNET		015
DUMONT	255 060 000	
DURABRAND	253 293 295	
DVD2000		
DWIN	037 052	
DYNASTY	106	
DYNATECH	234	
EASTERN		
ECHOSTAR (DISH SYSTEM)		014
ECHOSPHERE (DISH NET)		
ELECTROBAND	251 296 040 020	
ELECTROHOME	118 168 205 044	
ELECTROPHONIC		
EMEREX		
EMERSON	072 076 078 094 102 103 106 109 110 112 113 115 117 118 168 172 231 245 285 298 302 295 293 291 296 304 003 022 004 027 045 001 000 010 054 041 011 020 043 034 035	
ENTERPRISE		
ENVISION	253 325 002	
FISHER	096 097 114 285 288 003 059	
FUJI		
FUJITSU	294 310 324 334 010 008	
FUNAI	078 106 295 291 294 027 010 047	
FUNAI TV/VCR	132	
FUTURETECH	106 295 027	
GARRARD		
GATEWAY	341 342	
GC ELECTRONICS		
GE	266 267 301 293 271 280 260 258 300 052 046 036 038 045 001 006 058 019 051 026	154 155
GEMINI		018
GENERAL	071 072 102 152 123 138 152 154 189 193 201 219 220 221 227 228 239	
ELECTRIC		

Brand	TV	CABLE
GENERAL		133
INSTRUMENT		
GIBRALTER	255 261 060 002 000	
GO VIDEO		
GOLDSTAR(LG)	072 073 076 077 080 081 082 083 090 159 168 170 172 261 252 262 293 002 001 000 033 056	
GPX		
GRADIENTE	048 000	
GRANDIENTE		
GERRNHILL		
GRUNPTY	294 295 027 010	
HAIER	322	
HALL MARK	072 293 001	
HAMLIN		
HARLEY DAVIDSON	294 010	
HARMAN KARDON	270 042	
HARVAD	295 027	
HAVERMY	277 038	
HARWOOD		
HEADQUARTER		
HELLO KITTY	301	
HI-Q		
HIMITSU	295	
HISENSE	318	
HITACHI	072 079 114 149 161 162 163 166 168 172 191 210 211 230 233 246 250 281 284 262 254 272 263 007 000 053 056 041 044	
HITACHI SYS I		
HITACHI SYS II		
HOTEKER		
HUGHES NETWORK SYSTEMS		009
HYUNDAI	333	
IMA		
INFINITY	181 270 042 032	
INITIAL		
INKEL	202	
INSTANT REPLAY		
INTEGRA		
INTEQ	255 060 059	
JANEIL	265 005	
JASCO		
JBL	181 270 042	
JCB	251 040	
JCL		
JCPENNY	071 072 076 077 123 138 152 154 168 184 194 205 221	
JENSEN	074 319 327 326	

Brand	TV	CABLE
JERROLD		133 018
JVC	125 127 137 160 164 188 269 048	156
KAWASHO		
KAYPANI	268	
KEC	295 027	
KENWOOD	071 125 261 002 000	
KLH	320	
KLOSS	151 169 259 265 005	
KMC	172	
KODAK		
KINKA	305 306 317	
KOSS		
KTV	071 076 094 106 168 172 187 295 261 264 296 027 002 054 020 031 043	
LASONIC		
LEFT COAST		
LG	336 000 018 001 025 002 061	157
LINN		
LITE-ON		
LLOYD'S		
LOEWE		
LODGENET	191 192	
LOGIK	191 192 254 053	
LUXMAN	072 272 000	
LXI	114 124 140 141 142 171 181 221 266 270 285 286 293 052 054 003 018 001 023	
MAD	128 171	
MAGIN		
MAGNASONIC		
MAGNAVOX	071 072 077 092 119 131 138 169 170 172 177 178 181 182 184 221 270 261 257 259 278 294 297 316 042 002 010 030 011 006 012 055	158
MAGNIN		
MAJESTIC	076 192 254 053	
MARANTZ	071 076 181 207 208 270 261 315 335 042 002	
MARTA		
MATSUI	181	
MATSUSHITA	299 307 028	
MCS		
MEDIA TEACH 2200		022
MEGATRON	091 253 281 293 001 007 030 003 028 004 049 001 010 000 053	

Brand	TV	CABLE
MEI	296 020	
MEMOREX	072 114 191 192 285 299 302 283 293 294 254	
METZ	318	
MGA	071 072 089 205 261 283 293 049 002 001 000	
MGA/MITSUBISHI	076 077 078 088 207 208	
MGN TECHNOLOGY		
MICROSOFT		
MIDLAND	266 255 267 280 262 052 060 046 054 056 025 026	
MINERVA	218	
MINOLTA		
MINTEK		
MINUTZ	258 006	
MITSUBISHI	072 073 078 079 089 139 140 205 206 208 247 248 249 250 277 283 293 338 038 049 001 000 031	159
MONIVISION	331 312	
Montgomery Ward	076 077 078 122 138 141 154 172 192	
MOTOROLA	329 277 271 038 058	133 134 000 001 002
MOVIE TIME		
MOXELL	329	
MTC	071 072 148 234 261 273 296 025 002 000 020	
MULTI TECH	295 027 051	
NAD	286 293 337 018 001 014	
NAKAMICHI		
NEC	071 076 077 079 114 120 201 105 216 239 261 272 340 002 000 015	
NESA		
NIKEI	106	
NIKKO	002 001 021	
NOBLEX		
NORCENT	318 328	
NORDMENDE		
NOSHI	256 057	
NSC		
NTC	276 021	
OAK		
OLYMPUS		
ONKING	106	
ONKYO		
ONWA	106 295 027	
OPTIMUS	285 299 290 307 003 028 014	