

Multi-Brand IR Remote Controller

1. Initial Setting

1.1 DEVICE DEFAULT : STB

1.2 MODEL DEFAULT

STB	-----	#001
TV	-----	#001
DVD	-----	#001
VCR	-----	#001

2. Device Keys

Device Keys are used for device changing.

Case of the model which **POWER** button comes to share with power on and power off, the **DEVICE** button operates with power on, the POWER button operates with power off(LED ON).

3. Code No. Checking(Number Call)

Step 1. Press the DEVICE and OK button during about 2.5 seconds at the same time.

DEVICE LED on.(Set mode)

Step 2. Press the INFO button.

LED will blink according to inputted mode number on the device.

Case of digit 0, it blinks 10 times.

4. Setting Guide

When there is no input during about 20 seconds from set mode, LED is turn off and set mode is canceled.

4.1 Using Device Code Number

Step 1. Press DEVICE and OK button during about 2.5 seconds at the same time.

DEVICE LED on.(Set mode)

Step 2. Input three digit code numbers.

DEVICE LED will blinks.

Step 3. Press DEVICE button.

DEVICE LED will blinks twice.

4.2 Using UP and DOWN buttons

Step 1. Press DEVICE and OK button during about 2.5 seconds at the same time.

DEVICE LED on.(Set mode)



Step 2. Press UP or DOWN button until DEVICE turns off, one and one.

Step 3. If your DEVICE is turn off

Press DEVICE button.

DEVICE LED will blink twice.

5. Key Table

NO.	STB	TV	VCR	DVD
1	DEVICE	DEVICE /POWER ON	DEVICE /POWER ON	DEVICE /POWER ON
2	POWER	POWER	POWER	POWER
3	●		REC	OPEN/CLOSE
4	■		STOP	STOP
5	II		PAUSE	PAUSE
6	◀◀		REW	REW
7	▶▶ Time		PLAY	PLAY
8	▶▶▶		FF	FF
9	I◀			SKIP -
10	▶I			SKIP +
11	RED 	UP		
12	GREEN 	DOWN		
13	YELLOW 	LEFT		VOL-
14	BLUE 	RIGHT		VOL+
15	UP	CH+	CH+/TRK+	UP
16	LEFT	VOL-	VOL-	LEFT
17	OK	SEL/OK		SEL/OK
18	RIGHT	VOL+	VOL+	RIGHT
19	DOWN	CH-	CH-/TRK-	DOWN
20	EPG			
21		MUTE	MUTE	MUTE
22	INFO	INFO		
23	MENU	MENU		MENU
24		LAST		
25	SAT			
26	EXIT			
27				
28	FAV			
29	1	1	1	
30	2	2	2	
31	3	3	3	
32	4	4	4	
33	5	5	5	
34	6	6	6	
35	7	7	7	
36	8	8	8	
37	9	9	9	
38	TV/RAD			
39	0	0	0	
40	TV/SAT	TV/VCR	TV/VCR	
41				
42				

6. Code Table : TV

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	137 204
ADYSON	159 219
AKAI	038 010 108 132 133 135 139 140 156
AKURA	064 086 108 110 155 171
ALBA	064
ALLSTAR	108
AMSTRAD	006 157
AMWAY	108
ANITECH	010 108 185 219
ANTECNO	064
ARC EN CIEL	173 179 239
ASA	087 102 108 235 236
ASBERG	185
ASORA	171
ATLANTIC	089 197
AUDIOSONIC	085
AUTOVOX	159 163 197
BANK	232
BEKO	085 086 108 250
BESTAR	086
BLAUPUNKT	091 092 096 097 098 099 210 253
BONDSTEC	163
BOSCH	210
BRANDT ELECTRONIQUE	173 179 225 239
BRIONVEGA	204
BSR	144
BUSH	139 144 232
CENTURY	165 204
CGE	139 165 210
CIE	108 170
CLATRONIC	010 064 108 144 149 159 164 165 171 185
CLARIVOX	031
CONDOR	108 149 191
CONIC	219
CONTEC	171 222
CONTINENTAL EDISON	173 179 225 239
COSMOS	108
CROSLEY	165 204
CROWN	085 086 108 144 171 185
CS-ELECTRONICS	064
DAEWOO	108 120 127 170
DANSAI	010 219
DE GRAAF	108 134
DECCA	108 159 161 162 184 189 190 206
DECCAVIDEO	108

DUAL	233
DUMONT	204
ELBE	058 144 157 160 192 246
ELBIT	108 248
ELECTROVENDA	108
ELEKTRONIKA	108
ELIN	108
ELITE	064 149
ELMAN	144
ELTA	010 171
EMERSON	108 204
ESC	108
ETRON	133
EUROPHON	144 159
EXPERT	089
FENNER	171
FERGUSON	078 079 160 182 195 198 199 200 201 202
FINLANDIA	194 195
FINLUX	008 087 102 104 105 107 108 140 144 159 161 189 235 236
FIRST-LINE	144
FISHER	086 208 222 233
FORMENTI	108 149
FRABA	108
FRONTECH	171 220
FUBA	073 109
FUJITSU GENERAL	088 159 197
FUNAI	010
GALAXIS	108 185
GALERIA	171
GBC	137 144 171
GEC	011 108 129 147 159 189
GELOSO	064 137 144 164 171
GENERAL	171
GENERAL TECHNIC	171
GOLDHAND	159 171
GOLDSTAR	001 108 110 144 159 163 166 171 191 219 237 033
GOODMANS	064 108 109 110 120 159 170 171
GORENJE	086
GPM	010 064
GRANADA	027 105 108 111 121 134 140 159 162 167 187 194 195 238
GRUNDIG	091 092 093 094 095 097 098 100 101 232 238
HCM	010 108 159 171
HIFIVOX	173 179 239
HINARI	010 064 108 133 171
HIT	204
HITACHI	011 013 015 017 021 022 023 024 028 029 030 035 039 040
	041 053 054 055 056 057 120 127 128 129 134 135 140 143
	145 147 151 156 159 173 193 219
HYPER	159 163 171

ICE	010 064 108 171
IMPERIAL	108 139 144 165
INGERSOLL	171
INNO HIT	159 189 237
INTERBUY	010
INTERCORD	233
INTERFUNK	108 109 113 130 133 134 135 137 141 146 147 148 165 179 210
INTERVISION	010 086 108 132 144 166
IRRADIO	163 235 237
ITC	144 159
ITS	010 064 171
ITT	141 151 186
JVC	169
KAPSCH	089 147 148 197
KARCHER	108 274
KATHREIN	109
KENDO	108 137 157
KENNEDY	197
KNEISSEL	108
KORTING	086 204 209
KUBA	233
KUBA ELECTRONIC	233
KURA	134
LENCO	108 170
LG	001 108 110 144 159 163 166 171 191 219 237 033
LIESENKOTTER	108 210
LIFETEC	010 064 108 170
LOEWE	109 113 204 205
LOGIK	227
LUMA	137 197
LUXOR	102 104 132 133 134 135 138 140 143 145 153 156 186 237
M ELECTRONIC	103 104
MAGNADYNE	163 164 204
MAGNAFON	199
MAGNASONIC	108
MARANTZ	108
MARSHAL	064
MATSUI	108 159 171
MERRIT	132
METZ	092 097 098 100 101 108 204 207 254
MITSUBISHI	075 076 077 097 113 204 222 224 240
MIVAR	159 235
MNARTT	007
MTC	086 109 134
MULTITECH	159 171 185
MURPHY	232
NAONIS	137
NECKERMANN	037 059 092 098 100 101 108 109 113 115 118 119 134 135
	137 143 157 159

NEI	064 108
NIKKAI	219
NIKKO	108
NOBLIKO	232 235
NOGAMATIC	173 179 239
NOKIA	014 019 032 102 103 104 108 132 133 134 135 138 140 141
	145 146 147 148 156
NORDMENDE	129 173 179 180 181 193 195 225 226 228 239
NORMN	108
NOVA	087
OCEANIC	032 103 104 135 140 156
OKANO	108
ONWA	010 064
ORAVA	108
ORBITER	086
ORION	059 064 108 110 118 219
OSAKE	106
OTTO-VERSAND	002 005 014 059 081 082 083 085 092 097 098 100 101 108
	109 111 113
PAEL	235
PANASONIC	002 003 005 167 168 229
PATHE CINEMA	144
PATHE MARCONI	173 179 225 239
PHILCO	108 139 144 148 165 204
PHILIPS	065 066 067 068 069 092 108 109 111 112 114 115 116 119
	122 124 125 193 212 251 252
PIONEER	193
PRANDONI-PRINCE	137 235
PRIMA	219
PRO VISION	108
PROFEX	108 171
PROFITRONIC	108
QUELLE	038 002 010 014 019 059 072 086 087 088 092 097 098 100
	101 102
RADIOLA	108
RADIOTONE	010 085 108 171
REDIFUSSION	187
REVOX	109
REX	088 089 137 157 158 164 197 246 247
RFT	064 085 135 204
RITAR	138
ROADSTAR	108
ROSITA	171
SABA	079 146 147 173 179 181 193 195 225 226 239
SAISHO	159
SAKIO	171
SALORA	019 032 103 104 132 133 134 135 137 138 140 142 143 145
	156 237 241
SAMBERS	235

SAMSUNG	004 010 086 108 117 126 171 220 237
SANY	193
SANYO	014 018 019 020 032 034 071 086 087 189 218 221 222 223
SCHNEIDER	064 088 108 133 141 159 163 233
SEG	010 064 108 144 159 165 171 185 219
SEI-SINUDYNE	108 204 212
SELECO	088 089 137 157 197 222
SENTRA	064 133
SHARP	081 082 083 222
SHINTOM	108
SHINTOSHI	108
SHIVAKI	108
SIAREM	204
SIEMENS	092 096 097 098 100 101 108 210 218 219 221
SIESTA	085
SILVER	010 064
SINGER	108 164 204
SINUDYNE	118
SOLAVOX	133
SONOLOR	140 156
SONTEC	108
SONY	072 074 211 212 213 214 215 216 217 222
SPECTRA	170
STARLITE	108 171
STARLUX	171
STERN	088 089 137 157 197
SUNSTAR	108 171
SUPERTECH	108 139 171
TADISTAR	108
TASHIKO	108
TASHIKO	159 218
TEC	108 139 144 159 170 171
TECHLINE	185
TECHNISAT	108 165
TECNISON	108 171
TEKON	171
TELEAVIA	173 178 179 225 239
TELEFUNKEN	079 177 179 181 193 195 200 210
TELEOPTA	171
TELERNT	109
TELETECH	165 171
TELETEXT	115
TELETON	088
TELETON	089 134 159 197
TENSAI	064 108 144 149 171 191
TENSON	171
TESLA	204
THOMSON	078 079 134 173 178 179 181 193 195 225 239
THORN	011 014 018 026 028 066 072 075 087 097 102 108 116 135

	141 145 146 160
THORN-FERGUSON	160 188 200 227
TOSHIBA	012 026 036 037 222 232
TOWADA	144 185
TRISTAR	010 064
TRIUMPH	219 236
UHER	089 108 109 149 185 197 233
ULTRAVOX	108 164 185 204
UNIVOX	204
VESTEL	108
VIDEOSAT	165
VIDEOTON	178 193
VIDEOWAY	230
VISION	108 149
VOXSON	137 204
WALTHAM	178
WATSON	064 108 149 171
WEGA	208 222
WHITE WESTINGHOUSE	108 110 149
YOKO	010 064 108 144 159 164 170 171
ZANUSSI	137 197
ZENITH	231

7. Code Table : VCR

Manufacturer/Brand	Set-Up Code Number
ADMIRAL	025 053
AIKO	117
AIWA	034 161 101
AKAI	043 046 124 146
AMERICA ACTION	117
AMERICAN HIGH	031
AMPRO	072
ANAM	031 103
ASHA	040
AUDIO DYNAMICS	012 023 043
AUDIOVOX	101
BEAUMARK	040
BROKSONIC	035 037 129 025
CALIX	101
CANON	028 031
CAPEHART	108
CCE	024 117
CINERAL	117
CITIZEN	101 117
COLT	148
CRAIG	003 040 135 024 101
CUIRTIS MATHES	031 041
CYBERNEX	040
DAEWOO	005 108 117 017 065 007 010
DAYTRON	108
DBX	012 023 043
DYNATECH	034 053
ELECTROHOME	059 101
ELECTROPHONIC	101
EMERSON	006 029 035 037 129 153 017 025 027 031
	034 036 046 101 131 138 117
FISHER	003 010 008 009
FUJI	031
FUNAI	034
GARRARD	034
GE	031 072 144 147 063 107 109 040 053
GO VIDEO	132 155 040 136
GOLDSTAR	101 004 012 020
HARLEY DAVIDSON	034
HARMAN KARDON	012 045
HARWOOD	024
HITACHI	004 026 034 043 063 137 150
HQ	034
HUGHES	004

INSTANTREPLAY	031
JCL	031
JCPENNEY	004 012 031 040 101
JENSEN	043
JVC	048 043 055 060 130 150 152 012 031
KEC	101 117
KENWOOD	034 150 014 048
KLH	024
KODAK	031 101
LG	101 004 012 020
LLOYD	034
LOGIK	024
LXI	003 009 017 034 101 004 106
MAGIN	040
MAGNASONIC	117
MAGNAVOX	067 031 034 068 041 170
MARANTZ	067 069 012 031
MARTA	101
MATSUI	027 030
MATSUSHITA	031
MEI	031
MEMOREX	040 101 003 014 031 034 053 072 134 139 025
MGA	045 046 059
MGN TECHNOLOGY	040
MINOLTA	004 020
MITSUBISHI	059 061 051 004 046 020 045 053
MOTOROLA	031 053
MTC	034 040
MULTITECH	024 034
NEC	012 023 043 048
NIKKO	101
NOBLEX	040
NORDMENDE	043
OLYMPUS	031
OPTIMUS	053 101
PILOT	101
PIONEER	021 004 048
PORTLAND	108
PROFITRONIC	040
PROTEC	024
RCA	107 109 144 041 031 004 020 034 040 140 147 158 053
SALORA	014
SAMSUNG	040 017 107 109 113 115 124 122
SANKY	053
SANSUI	043 135 048 025 034
SANYO	003 014 040 134
SCOTT	017 037 129 131

SEARS	003 004 008 014 017 081 101 010 031 034
SHARP	053 031 054 159
SHINTOM	024
SHOGUN	040
SINGER	024
SONY	001 057 058 003 052 053 031 154 171 009 034
SOUNDESIGN	034
STS	004
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	034 010
TATUNG	043
TEAC	034 043
TECHNICS	031 070
TEKNIKA	031 034 101
THOMAS	034
TMK	006 040
TOSHIBA	017 131 004 008 059 082 150
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VIDEO CONCEPTS	012 034 046
VIDEOSONIC	040
WARDS	003 004 017 024 031 034 040 053 054 131
WESTINGHOUSE	024 025
XR-1000	024 031 034
YAMAHA	012 034 043
ZENITH	072 034 001 058 080 101 153 048 025

8. Code Table : DVD

Manufacturer/Brand	Set-Up Code Number
AIWA	202
AKAI	199
ALPINE	221
APEX DIGITAL	251 246 182 183
ARCAM	215
CARY AUDIO DESIGN	184
CLASSE	193
COBY	212
CYBERHOME	220 213
DAEWOO	220
DENON	226 241
FUNAI	208 211
GE	230 231
GOLDSTAR	235 239
GO VIDEO	201 187 188 189 194
HARMAN KARDON	243
HITACHI	223
HITEKER	246
INTEGRA	198
JVC	238
KENWODD	216
KISS	197
KLH	210
LG	148
MAGNAVOX	254 237 211
MARANTZ	253 242
MCINTOSH	217
MEMOREX	207
MINTEK	200
MITSUBISHI	227
MYRYAD	224
NAD	247 239
NAKAMICHI	225
ONKYO	240
OPTIMUS	229
PANASONIC	228 206 226
PHILIPS	253 237 214 242
PIONEER	255 222 229
POLAROID	195
PRIMARE	185 186
PROCEED	245
PROSCAN	230 231
RCA	230 231
SAMSUNG	236 248 201 191

SANSUI	205
SANYO	204
SENSORY SCIENCE	189 190
SHARP	252
SONY	001 232 218 203
SYLVANIA	208 211
SYMPHONIC	208 211
TATUNG	224
TECHNICS	228
THETA DIGITAL	229
TOSHIBA	233 244 219 205 192 196
VENTURER	209
YAMAHA	249 226 181
ZENITH	239 226 235 239