

General Introduction

This remote is designed to operate Set Top box (Cable & Satellite), TV, DVD and Audio in RF, IR and IR/RF transmitting.

Before you can use this remote control, it must be programmed (set-up) to operate above devices. Please follow programming instruction

After remote programming, it should be matched with RF Extender (IR Blaster). The components of RF extender are power adaptor and 1 infrared eye emitter.



2

8. Remote IR/RF mode Selection

This remote control is designed to select 3 transmitting ways (RF or IR or IR/RF both). Default mode is to transmit in RF mode. We do not recommend IR/RF mode use because battery consumption is some high. Best power consumption is RF mode lowest, next IR mode. Also, RF extender is used together with this remote, RF mode only is the best way.

8-1. RF only Mode selection

- 1) Press [STB] + [OK/SEL] until STB LED on.
- 2) Press [Ch+]
- 3) Press [1]. Then, STB LED will blink 3 times.

8-2. IR only Mode

- 1) Press [STB] + [OK/SEL] until STB LED on.
- 2) Press [Ch+]
- 3) Press [2]. Then STB LED will blink 3 times.

8-3. IR/RF Mode

- 1) Press [STB] + [OK/SEL] until STB LED on.
- 2) Press [Ch+]
- 3) Press [3]. Then, STB LED will blink 3 times.

9. FAV MODE (ENTER Key)

FAV mode is special function for favorite channel controls in STB device. Max 10 channels can be stored in each category (News, Sports, Movies etc on digits #).

9

When eye emitter is plugged, infrared signal will be transmitted only through emitter, not from receiver. The emitter has adhesive tape under the bulb. Locate the emitter to the close position of IR signal receiving area of the device (TV etc).

Battery Installation

Install two (2) new AAA alkaline batteries. Properly match the polarity (+ / -) with the diagram in the battery compartment, taking care to install the plus (+) and minus (-). When the LED indicating light becomes dim or no longer illuminate during use, install new AAA alkaline batteries.

Programming Guideline

1. Manual programming

Before entering code programming, find your brands and 3 digits code number first in the manual. Firstly, turn on the Device (STB, TV, DVD, ADIO) that you want to program.

- 1) Press [DEVICE] + [MUTE] for 3 seconds until the device LED lights on.
- 2) Press 3 digits code number.
 - a. If the device turns off, press [OK/SEL] to lock in the code. Then, device button will blink 3 times and go out.
 - b. If the device does not turn off, enter next 3 digits code number until your TV turns off. If turns off, press [OK/SEL] to lock in the code.

Note :

- 1) DEVICE means TV, STB, DVD, Audio button.

3

9-1. Programming FAV Mode

When user wants to store "123", "124", "138" to Sports (category digit 3) channel. Like this Sport channel programming, user can program favorite channels for each categories.

- 1) Press [ENTER] and [3] until ENTER LED on.
- 2) Press [1],[2],[3], then [Ch+] key. Then, ENTER LED will blink 1 time and stay on.
- 3) Press [1],[2],[4], then [Ch+] key. Then, ENTER LED will blink 1 time and stay on.
- 4) Press [1],[3],[8], and [ENTER]. Then, ENTER LED will blink 3 times.

Remark : Max 5 digits channel # can be stored.

9-2. How FAV Mode work

- 1) Press [ENTER], then ENTER LED will be stay on.
- 2) Press [category digit #] key.
- 3) Press [Ch+] or [Ch-] to control favorite channels.
- 4) When user wants to change category to Movie, press [4] key and press [Ch+] or [Ch-].

Remarks :

- 1) To escape from FAV mode, press [ENTER] or other keys (not digits)
- 2) FAV mode will last 30 seconds (ENTER LED on).

9-3. Favorite Channels Deletion

- 1) Press [ENTER] and [Category digit #] until ENTER LED on.
- 2) Press [VOL+]. Then, ENTER LED will blink 3 times.

For example, when user wants to delete News channels programming.

- 1) Press [ENTER] and [2] until ENTER LED on.
- 2) Press [VOL+]. Then, ENTER LED will blink 3 times.

The FAV Mode [category] is as below (see remote digits)

- | | |
|-------------|----------|
| 1. FAV | 2. NEWS |
| 3. SPORTS | 4. MOVIE |
| 5. MUSICS | 6. KIDS |
| 7. DOCU | 8. EDUCA |
| 9. SHOPPING | 0. ETC |

10. Total Reset

To reset your remote programming to default settings (factory setting)

- 1) Press [STB] and [OK] until STB LED on.
- 2) Press [STOP]. Then, STB LED blinks 3 times.

11

- 2) If your Device does not respond, try all the codes for your brand lists.
- 3) Combo (TV/DVD/ Audio codes) has 800 codes # that can program 3 devices at a time.
- 4) STB has 2 categories. Cable codes start from 000 to 499 and Satellite start from 500 to 999.

2. Auto-scan programming

If you could not find correct code # in the brand lists or the program code does not work correctly, you can search using auto-scan programming (not using 3 digits code number). Firstly, turn on your device that you want to program.

- 1) Press [DEVICE] + [MUTE] for 3 seconds. Then, the device LED lights on.
- 2) Press [CH+] at a time until the device turns off.
- 3) If the device turns off, press [Mute], and check the Device turns back on.
 - a. If the device turns back on, press [OK/SEL] to lock in the code.
 - b. If the device does not turn back on, press [Ch-] one step at a time until device turns back on. If the [Device] turns back on, press [OK/SEL] to lock in the code.

Note :

- 1) During the manual code and auto-scan programming, the RF mode will turn off forcibly. Upon program finishing, Remote will be returned to RF mode.
- 2) During the Auto-scan programming, [CH+] works forward device POWER

4

TV Setup Codes

BRAND	CODE(S)
Abex	152
Acor	190 325
Admiral	009 023 058 061 062
	007 096 146
Advent	001 004 014 176 186
	199 197 425
Adventura	004
Affinity	263
Aiko	042 138 151
Aiwa	135 207
Alkal	068 016 065 198 209
	218 218 232 246 252
	305 414 428 437 439
Alteron	058 141
Amrak	007 086
Ambassador	017
America Action	079
Amstrad	006
Amtron	079 144
Anam	019 079 088 089 093
	111 120 125 134 144
	161
Anam International	161
AOC	065 041 044 156 191
	247 253 415 421
Apex	029 043 060 178 198
	263 429
Apex Digital	382
Astar	198
Audiovox	040 079 111 144 201
Auria	001
Baysonic	079
Belcor	041
Bel & Howell	010 058 062 112 279
Ben Q	190 363
Bradford	079 144
Brilliant	335
Broksonic	011 054 110 174 181
	352

12

scanning and [CH-] works reverse device POWER scanning.

3. Volume / Mute Control

This remote can select the control mode of volume function. Volume control can be selected which devices operate the function (STB, TV or Audio)

In STB mode

- 1) Press [STB] + [OK/SEL] until STB LED on
 - 2) Press [VOL+].
 - 3) Press [STB] or [TV] or [AUDIO] which you want to use for volume control
- In DVD Mode
- 1) Press [DVD] + [OK/SEL] until STB LED on
 - 2) Press [VOL+].
 - 3) Press [STB] or [TV] or [AUDIO] which you want to use for volume control

4. Code Read-back

When user wants to check what code was programmed for the device, below steps will show programmed code # in that device.

- 1) Press [Device] + [OK/SEL] until the device LED on.
- 2) Press [INFO]. Then, LED will blink the #. Please count blinking time.

Note :

- 1) Digit 0: flash 3 times fast
- 2) Other digit (1-9) blinks as the number (for example, digit 4 blink 4 times).
- 3) In case of STB code 402 programmed...

5

Brookwood	041
Candle	027 041 044 052 073
	247 253
Carver	001 163 272
Celebrity	066
Centurion	003 044 051
Changhong	029
Cineral	138 146
Citizen	007 010 027 041 042
	044 052 058 059 062
	073 079 112 138 144
	151 247 253 284
Coby	041 051 195 198 236
	389 419
Colortyme	273
Clairtone	042
Concerto	041 044 051 247 253
Contec/Cony	002 059 069 079 144
	275
Coronado	007
Craig	079 088 089 111 134
	144 175 248 329 390
	394
Crosley	001 163 262 272
Crown	007
Curtis Mathes	001 003 007 010 016
	041 044 058 061 062
	082 112 152 163 198
	247 253 265 272 279
	284 302 320
Curtis	082 197 198 378 416
	424 425
CXC	079 144
Daewoo	017 027 039 040 041
	042 051 090 091 092
	094 101 102 108 114
	118 121 123 130 146
	280 294 336
	250 376 377
Daytek	003 007 041 044 051
Daytron	247 253 284
	302
Dimensia	001 014
Dell	

13

- a. 4 : blink 4 times slowly
- b. 0 : flash 3 times fast
- c. 2 : blink 2 times slowly

5. Remote Learning

Learning function is to copy button data of original remote to this remote when embedded codes of this remote could not match (not included). Locate heads of two remotes closer (1-2 cm) and follow below steps.



5-1 : Learning steps

- 1) Press [Device] + [REC] until the device LED on.
- 2) Press A button of this remote.
- 3) Press the button of original remote. Then, LED will blink one time slowly and stay on.
- 4) To continue learning to other buttons, repeat step 2) and 3)
- 5) To finish learning, keep on pressing [OK/SEL] for 3 seconds. Then, LED blinks 3 times.

6

Denon	083
Diamond Vision	253 282 285 298 302
Digital Lifestyles	349
Digital Research	403 405 409
Disney	248
Dumont	015 041 044 247 253
Durabrand	006 175 248 384
Dynex	054 169 175 244 248
	384
Dwin	096
Electro Home	019 041 044 051 066
	161 247 253 282
Electroband	066
Elektra	002
Element	041 195 253 386 404
Emerson	004 007 008 010 011
	012 016 017 038 039
	040 041 044 049 050
	054 058 059 065 079
	097 108 110 131 139
	141 144 145 146 149
	152 160 161 169 175
	192 211 244 247 248
	253 256 259 274 277
	279 284 286 287 288
	289 291 293 294 297
	300 303 304 307
	403
Emprex	041 051 044 247 253
Evision	040 192 228
ESA	010 028 048 112 279
Fisher	058 141 196 205 240
Fujitsu	319 356
	004 025 006 079 058
Funai	141 144
	299 413 422
Favi	079 144
Futuretech	177 237
Gateway	005 015 019 022 027
GE	029 031 032 037 041
	044 051 053 055 058
	061 062 063 070 082
	131 136 137 142 143

14

5-2 Delete learned data partially.

- 1) Press [DEVICE] + [EXIT] until the device LED on.
- 2) Press the button (or buttons) that user wants to delete.
- 3) To finish learning deletion, keep on pressing [OK/SEL] for 3 seconds. Then, LED blinks 3 times.

5-3 Delete learned data totally (device)

- 1) Press [DEVICE] + [STOP] until LED blinks 3 times

5-4 Adjustment of transmitting interval (speed) for learned volume and channel data.

When user feels slow / fast transmitting speed of learned volume and channel buttons, it can adjust the signal transmitting intervals. The speed range is Digit 1-9 (default repeating interval is digit 1) as the speed steps.

- 1) Press [DEVICE] + [PLAY] until LED on.
- 2) Press [DIGIT #]. Then, LED blinks 3 times.

5-5 Available Learning keys per devices.

Below keys are allocated button for learning capability as per devices.

- 1) STB : ALL keys
- 2) TV : POWER, INPUT, CH+, CH-, VOL+, VOL-, MUTE, DIGITS, LAST, ENTER
- 3) DVD : ALL Keys except for VOL+, VOL-, MUTE, DAY-, DAY+, LIVE, LIST, REPLAY

7

	151 161 164 165 247
	253 282 285 298 302
Gibraltar	349
	003 007 015 025 027
	031 041 044 051 059
Go Video	060 065 124 247 253
Goldstar (LG)	182 242 264
	003 007 027 031 041
	044 059 060 065 124
	175 244 248 253 366
	368
GPX	058 256 405 430 431
Gradiente	048
Grundig	069
Grumpy	004 007 041 044 051
	059 060 124 156 247
	253
Haier	016 041 044 051 065
	066 178 215 247 253
	260
Hall Mark	041 044 051 247 253
Hannspree	383 389
Harley Davidson	058
Harman/Kardon	272
Harvard	079 144
HCT	379 384
Hi-Sense	001 018 386 417 432
Hitachi	007 027 041 044 049
	051 059 069 083 085
	098 100 140 247 253
	275 293 296 299 330
	339 344 346 351 357
	358 360 362 364 433
	400
Hiteker	402
Honeywell	001
HP	189
Hyundai	192 206 218 248 252
iLO	265 412 422
iSymphony	016 343
IMA	079 144
Infinity	001 163 272
Initial	206 227

15

- 4) AUDIO: MUTE, CH+, CH-, VOL+, REC, PAUSE, REW, PLAY, STOP, FF, INPUT

6. RF ID programming of RF remote

This RF Remote can be programmed to select each ID to avoid any conflicts with neighboring house. Available ID range is from 0 to 7. For example, when user wants to select "77" for own RF ID.

- 1) Press [STB] + [OK/SEL] until STB LED on.
- 2) Press [Ch-].
- 3) Press [7]. Then, STB LED will blink 3 times.

Note :

After RF ID programming of this remote, this ID should be paired with Genius receiver by following pairing steps of extender.

7. RF ID pairing between RF remote and extender receiver (Genius)

Before entering this programming, press the head of receiver for 3 seconds until blue LED on. After that, follow below steps in remote side.

- 1) Press head of receiver until LED on.
- 2) Press any button of RF remote. Then, receiver LED will blink 3 times.

Note :

Smart RF Remote Control & IR Extender Kit			
MAG	272	279	298 302 316
Magnavox (Philips)	195	001	005 007 014 019
	026	027	031 041 044
	051	052	059 068 073
	081	097	137 143 153
	158	161	162 163 173
	174	177	186 192 199
	206	208	217 233 237
	258	259	272 283 326
	353	381	393 394 395
	442		
Majestic	058	062	
Marantz	001	003	041 044 065
	076	083	085 163 247
	253	272	321
	249	250	251
Matsui	018		
Matsushita	177	237	238
Maxent	086	433	
McIntosh	042		
Meistran	010	031	058 062 065
MEI	112	156	163 174 175
Memorex	181	186	195 279
	003	027	031 041 044
	046	048	051 065 076
	084	141	155 158 157
	158	159	172 247 253
	282	333	
Mitsubishi	003	027	031 041 044
	046	048	051 065 076
	084	141	155 158 157
	158	159	172 247 253
	282	333	
Midland	007	015	063 142 284
	285	298	
Mintek	206		
Minut	070		
Montgomery Ward	057	007	067 096 023
	009	065	081 001 044
	058	062	
Motorola	067	096	023 009 019

17

Smart RF Remote Control & IR Extender Kit			
MTC	161	016	041 070 044
	017	156	073 247 253
	079	144	
Multitech	281		
Multivision	007	316	330
NAD	023	009	019 027 041
NEC	031	044	101 156 161
	200	247	253 273
Net TV	177	365	
Nikko	151	042	138
Norcent	191	206	
NuVision	374	375	
NTC	151	042	138
Olevia	041	044	215 231 253
Onwa	079	144	
Optimus	330		
Optonica	009	023	057 067 096
Orion	013	017	033 036 045
	047	078	174 175 236
	248		
Panasonic	018	019	024 053 063
	161	173	174 180 268
	285	314	372
Penney	027	041	043 063 070
	152	215	
Philco	001	007	019 026 027
	084	044	051 062 063
	065	073	081 156 161
	162	163	199 247 253
	272		
Philips (Magnavox)	001	005	007 014 019
	026	027	031 041 044
	051	052	059 068 073
	081	097	137 138 139
	143	153	158 161 162
	163	173	174 177 186
	192	195	199 206 208
	217	233	237 258 259
	272	283	326 353 381
	393	395	442 443
	007	041	014 044 059
Pilot	247	253	284

18

Smart RF Remote Control & IR Extender Kit			
Pioneer	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
Planar	321		
Plasmasync	156	157	195 197 201
Polaroid	348	354	385 438
	007	027	040 041 042
Portland	044	138	151 156 247
	253	284	
Precision	399		
Prima	001	378	
Prism	063	285	
ProScan	041	055	082 270 298
	302	444	
Proton	031	041	044 059 126
	128	203	247 253 292
Protron	193	203	
Proview	195		
Pulsar	015	041	044 247 253
Quasar	018	019	024 063 161
	285	295	314 314
	007	010	018 022 041
	044	057	059 079 112
	144	247	253 279 284
	302		
RCA	010	019	022 027 040
	041	044	049 051 053
	055	061	065 072 083
	146	156	161 171 183
	247	253	268 269 270
	293	298	301 302 305
	308	311	312 334 396
	007	010	012 018 022
	057	059	079 112 144
	279	284	302
Rhapsody	015	219	
Runcio	427		
Sabre	007	031	041 044 177
Sampo	237	247	253 284 361
	203	207	016 020 021
Samsung	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
	321		
	156	157	195 197 201
	348	354	385 438
	007	027	040 041 042
	044	138	151 156 247
	253	284	
	399		
	001	378	
	063	285	
	041	055	082 270 298
	302	444	
	031	041	044 059 126
	128	203	247 253 292
	193	203	
	195		
	015	041	044 247 253
	018	019	024 063 161
	285	295	314 314
	007	010	018 022 041
	044	057	059 079 112
	144	247	253 279 284
	302		
	010	019	022 027 040
	041	044	049 051 053
	055	061	065 072 083
	146	156	161 171 183
	247	253	268 269 270
	293	298	301 302 305
	308	311	312 334 396
	007	010	012 018 022
	057	059	079 112 144
	279	284	302
Rhapsody	015	219	
Runcio	427		
Sabre	007	031	041 044 177
Sampo	237	247	253 284 361
	203	207	016 020 021
Samsung	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
	321		
	156	157	195 197 201
	348	354	385 438
	007	027	040 041 042
	044	138	151 156 247
	253	284	
	399		
	001	378	
	063	285	
	041	055	082 270 298
	302	444	
	031	041	044 059 126
	128	203	247 253 292
	193	203	
	195		
	015	041	044 247 253
	018	019	024 063 161
	285	295	314 314
	007	010	018 022 041
	044	057	059 079 112
	144	247	253 279 284
	302		
	010	019	022 027 040
	041	044	049 051 053
	055	061	065 072 083
	146	156	161 171 183
	247	253	268 269 270
	293	298	301 302 305
	308	311	312 334 396
	007	010	012 018 022
	057	059	079 112 144
	279	284	302
Rhapsody	015	219	
Runcio	427		
Sabre	007	031	041 044 177
Sampo	237	247	253 284 361
	203	207	016 020 021
Samsung	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
	321		
	156	157	195 197 201
	348	354	385 438
	007	027	040 041 042
	044	138	151 156 247
	253	284	
	399		
	001	378	
	063	285	
	041	055	082 270 298
	302	444	
	031	041	044 059 126
	128	203	247 253 292
	193	203	
	195		
	015	041	044 247 253
	018	019	024 063 161
	285	295	314 314
	007	010	018 022 041
	044	057	059 079 112
	144	247	253 279 284
	302		
	010	019	022 027 040
	041	044	049 051 053
	055	061	065 072 083
	146	156	161 171 183
	247	253	268 269 270
	293	298	301 302 305
	308	311	312 334 396
	007	010	012 018 022
	057	059	079 112 144
	279	284	302
Rhapsody	015	219	
Runcio	427		
Sabre	007	031	041 044 177
Sampo	237	247	253 284 361
	203	207	016 020 021
Samsung	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
	321		
	156	157	195 197 201
	348	354	385 438
	007	027	040 041 042
	044	138	151 156 247
	253	284	
	399		
	001	378	
	063	285	
	041	055	082 270 298
	302	444	
	031	041	044 059 126
	128	203	247 253 292
	193	203	
	195		
	015	041	044 247 253
	018	019	024 063 161
	285	295	314 314
	007	010	018 022 041
	044	057	059 079 112
	144	247	253 279 284
	302		
	010	019	022 027 040
	041	044	049 051 053
	055	061	065 072 083
	146	156	161 171 183
	247	253	268 269 270
	293	298	301 302 305
	308	311	312 334 396
	007	010	012 018 022
	057	059	079 112 144
	279	284	302
Rhapsody	015	219	
Runcio	427		
Sabre	007	031	041 044 177
Sampo	237	247	253 284 361
	203	207	016 020 021
Samsung	036	041	044 046 049
	056	103	234 247 253
	152	153	156 177 212
	237	247	248 253 284
	330	332	369 380 381
	210		
	321		
	156	157	195 197 201
	348	354	385 438
	007	027	040 041 042
	044	138	151 156 247
	253	284	
	399		
	001	378	
	063	285	
	041	055	082 270 298

FCC Statements

Part 15.19 (a)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Part 15.21

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Part 15.105 (B)

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void your authority to operate the equipment under FCC rules.