

# Synergy<sup>®</sup> V Model RT-U64CP

## Universal / DVR Remote Control



### Programming And Operating Instructions

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#### 1. Introduction

Your Synergy<sup>®</sup> V Universal / DVR remote control is simple to program, easy to use, and can operate up to five (5) electronic devices, which include:

<b>CABLE</b>	Cable set-top terminals
<b>TV</b>	Televisions
<b>VCR</b>	VCR
<b>DVD</b>	DVD
<b>AUDIO</b>	Audio receivers, amplifiers, CD players

Before you can use your remote control, it must be programmed (set-up) to operate the above devices.

#### 2. Before Getting Started

Some of the special features and buttons on your remote control are as follows

##### Point and Press<sup>®</sup> Programming

Lets you program your TV, VCR, DVD, AUDIO devices without using codes. For more information, see sections 5 and 14.

##### [ALL] SmartKey<sup>®</sup>

Turns your CABLE set-top terminal and TV on / off with one button press. [ALL] can also be programmed to turn on / off additional electronic devices, or automatically set your correct TV output channel. For more information, see section 9.

##### [MODE]

Indicates which mode (i.e. CBL, TV, VCR, DVD, AUDIO) the remote is currently operating in by illuminating the power button. To change to a different mode, press [MODE], then the power button for the electronic device you wish to operate. For more information, see Section 15.

##### Memory Guard<sup>®</sup>

Eliminates reprogramming after battery changes.

#### 3. Installing / Replacing Batteries

Install two (2) new AA Alkaline batteries. Properly match the + / - ends of the batteries with the diagram in the battery compartment.

When the batteries become low and need to be replaced, the [CBL], [TV], [VIDEO], [AUDIO] buttons will not illuminate normally, or at all during use, and the remote will no longer operate your devices. When this occurs, replace the existing batteries with two (2) new AA Alkaline batteries to restore normal operation to the remote. For more information, see Section 14.

#### 4. Programming Your Cable Set-Top Terminal

Your remote control is pre-programmed to operate the Scientific Atlanta Explorer<sup>®</sup> 8000 digital set-top terminal. To operate a different cable set-top terminal, look up the brand and model in the Cable Setup Code list and follow these steps :

- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL).
- From the Cable Setup Code list, locate the 3-digit code for your brand / model and enter it on the keypad of the remote control. The set-top terminal will turn off.
- Then, press [SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.

#### Cable Setup Codes

<b>Motorola</b>		
DCT, CFT2200	002	
CFT 2100, CFT 2000	002	
DCT 62xx series DVR terminals	002	
<b>Jerrold</b>		
DL4, DP(V), DQN(V), DPBB	003	
<b>Scientific Atlanta</b>		
Explorer <sup>®</sup> 8000 (w/o Day ◀, ▶)	412	
Explorer <sup>®</sup> 8000 (with Day ◀, ▶)	413*	
<b>Pace</b>		
510 Digital	412	
HD Digital	010	412

<b>Pioneer</b>		
Voyager™	004	
BA-V1000, BA-V2000	007	
<b>Samsung</b>		
SMT-H3050	412	
<b>Tocom</b>		
5503VIP, 5507, 5508	008	
<b>Zenith</b>		
MM2500	009	
Digital	013	

\* Supports Explorer<sup>®</sup> 8000 set-top terminals running Passport™ software with Day ◀ / ▶ functionality in Electronic Program Guide.

#### 5. Programming Your TV, VCR, DVD and AUDIO Devices

##### Code Entry Programming

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- a. To program your TV, locate the 3-digit code for your brand in the TV Setup Code list and enter it on the keypad of the remote control. Entry of the correct code will cause your TV to turn off. If multiple codes are listed for your brand, you may have to try several different codes until your TV turns off.  
b. As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].  
1. If the TV turns back on, press [SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.  
Or  
2. If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [SEL] to lock in the code. The power / mode buttons

will blink 3-times and go out.

- To program your VCR refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.
- To program your DVD refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.
- To program your AUDIO equipment, refer to the AUDIO Setup Code list and repeat steps 2 and 3 above.

##### Point and Press<sup>®</sup> Programming

This method allows you to program the remote control without using codes. Instead, the remote control automatically finds the correct command that you select in a variety of codes until you find the code that operates your device. You then lock in the correct code as described below.

The following instructions describe how to program your remote control using the [CH +] or [CH -] buttons ("Power" function during programming). You may also program your remote control using other buttons / functions as described in Section 14. When using this method, there are several important points to remember:

- The order in which you program your electronic devices is not important.
- There may be several codes that turn your electronic devices on / off (or perform other functions). Once you lock-in a code, be sure to check the available functions for that device (i.e. TV - Vol +/-, Mute, TV Input (Video Source button), VCR - Play, Stop., DVD - Play, Stop., AUDIO - Vol +/-, Mute) to see if they are operating.
- While the remote is searching for the correct setup code(s) for your electronic devices, it is possible that other (previously programmed) devices may turn on / off (or perform other functions). If this occurs, continue pressing the [CH +] or [CH -] buttons (or the buttons described in Section 14) until you find the correct code for the device you are programming.
- It may take several minutes for the remote to find the correct code that turns your device off (or performs another selected function). During this time, the power / mode buttons will illuminate in fast-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).

#### Programming your electronic devices using the [CH +] or [CH -] buttons ("Power" function during programming)...

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- Press and hold the [CH +] button until one device turns off. While you are pressing the [CH +] button, the power / mode buttons will illuminate in fast-rotation. As soon as one device turns off, release the [CH +] button.  
a. Turns back on, press [SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.  
Or  
b. Does not turn back on, press [CH -] one step at a time until that device turns back on. Each time you press the [CH -] button, the power / mode buttons will illuminate once in reverse fast-rotation (AUDIO → DVD → VCR → TV → CBL).  
Once you have found a code that turns the device on / off, press [SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.
- Repeat steps 2 to 4 above for each of the remaining electronic devices you wish to program the remote to operate.

#### 6. Programming Your TV / VCR or TV / DVD Combination

- First, turn on your TV / VCR or TV / DVD combination device and install a VHS tape or DVD.
- Next, program your remote to operate the TV functions of your combination device.  
Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol +/-, Mute) of your combination device.
- Last, program your remote to operate the VCR or DVD functions of your combination device.  
Using the Code Entry Programming method described in

Section 5, enter, lock and test each 3-digit VCR or DVD Setup Code for your brand until a code is found that operates the VCR or DVD transport functions (Play, Stop, FF, Rew, Pause, Rec) functions of your combination device.  
Before you can test for the correct VCR or DVD setup code, you must first press the [MODE] button, then the [VCR] or [DVD] button to put the remote in its VCR or DVD mode.

#### 7. Programming Your TV / VCR / DVD Combination

- First, turn on your TV / VCR / DVD combination device and install a VHS tape and DVD.
- Next, program your remote to operate the TV functions of your combination device.  
Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol +/-, Mute) of your combination device.
- Next, program your remote to operate the DVD functions of your combination device.  
Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit DVD Setup Code for your brand until a code is found that operates the DVD transport functions (Play, Stop, FF, Rew, Pause) of your combination device.  
Before you can test for the correct DVD setup code, you must first press the [MODE] button, then [DVD] button to put the remote in its DVD mode.
- Last, program your remote to operate the VCR functions of your combination device.  
Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit VCR Setup Code for your brand until a code is found that operates the VCR transport functions (Play, Stop, FF, Rew, Pause, Rec) of your combination device.  
Before you can test for the correct VCR setup code, you must first press the [MODE] button, then [VCR] button first to put the remote in its VCR mode.

#### TV Setup Codes

BRAND	CODE
<b>Admiral</b>	026 054 211 213
<b>Adventura</b>	047
<b>Advent</b>	072 094 425 447
<b>Aiwa</b>	214 471
<b>Akai</b>	053 462 472
<b>Amark</b>	023 215
<b>Amstrad</b>	157
<b>Anam</b>	217 218 219 220 221
	222 223
<b>AOC</b>	053
<b>Apex</b>	030 038 427
<b>Audiovox</b>	220 465
<b>Belcor</b>	073
<b>Bell &amp; Howell</b>	211 213
<b>Broksonic</b>	165 167
<b>Brokwood</b>	073
<b>Candle</b>	068 091
<b>Centurion</b>	095 107 108
<b>Citizen</b>	068 091 211 213 233
<b>Concerto</b>	073 095
<b>Contec</b>	147
<b>Coronado</b>	023
<b>Craig</b>	223
<b>Crown</b>	023
<b>Curtis Mathes</b>	016 054 107 108 211
	213
<b>Daewoo</b>	051 068 073 095 158
	159 189 191 194 196
	197 198 200 202 204
	205 206 207 209
<b>Daytron</b>	073 095 107 108
<b>Dell</b>	448
<b>Dumont</b>	073
<b>Electro Home</b>	073 095
<b>Elektra</b>	353
<b>Emerson</b>	016 023 053 064 103
	139 158 159 164 165
	166 167 168 169 392
	400 401 402 408 415
<b>Envision</b>	073 095
<b>ESA</b>	454

<b>Fisher</b>	355 356
<b>Fujitsu</b>	460 469
<b>Funai</b>	047 048 157 168 211
<b>Gateway</b>	426
<b>GE</b>	015 018 042 044 049
	054 055 068 073 090
	092 095 101 102 103
	389 390 396 403 406
	407
<b>Gibraltar</b>	023 048 053 068 073
	090 095 107 108 233
	360
<b>Goldstar (LG)</b>	023 053 068 073 090
	107 108 233 360 361
	443
<b>Go Video</b>	233
<b>Grundig</b>	073 095
<b>Hall Mark</b>	023 068 095 096 097
<b>Hitachi</b>	098 099 100
	453
<b>Hyundai</b>	364
<b>Inkel</b>	470
<b>Insignia</b>	450 461
<b>Intial</b>	470
<b>JC Penney</b>	039 053 068 073 092
	095 102 355
<b>JVC</b>	104 105 106 396 397
	410
<b>Jensen</b>	062
<b>Kawasho</b>	073 095
<b>KMC</b>	023
<b>Konika</b>	445
<b>KTV</b>	023 053 233 366
<b>Kurazai</b>	211 213
<b>LG (Goldstar)</b>	023 053 068 073 090
	107 108 233 360 361
<b>Lodgenet</b>	211 213
<b>Logik</b>	211 213
<b>Luxman</b>	068 073 095
<b>LXI</b>	024 026 157
<b>Magnavox (Philips)</b>	023 068 071 073 089
	090 091 093 134 385
	387 397 404 072 092
	094 463 470
<b>Majestic</b>	211 213
<b>Marantz</b>	053 107 108 109

<b>Megatron</b>	215
<b>Memorex</b>	090 211 213 355 388
	405
<b>MGA/Mitsubishi</b>	053 068 073 090 095
	107 108 109 110 216
	384 394 395 398 399
	417
<b>Mintek</b>	470
<b>Montgomery Ward</b>	022 023 026 053 071
	072 108 211 213
<b>NEC</b>	028 068 090 108 200
	464
<b>Norcent</b>	455
<b>Olevia</b>	473
<b>Orion</b>	019 159 160 161 162
	163 382
<b>Panasonic</b>	042 043 044 045 046
	429
<b>Philco</b>	023 053 068 071 072
	091
<b>Philips (Magnavox)</b>	023 068 071 073 089
	090 091 093 134 385
	387 397 404 072 092
	094 463 470
<b>Pilot</b>	073 094 233
<b>Pioneer</b>	111 144 383
<b>Portland</b>	023 068
<b>ProScan</b>	055 070
<b>Proton</b>	090 371 372 457 467
<b>Proview</b>	459
<b>Pulsar</b>	073
<b>Quasar</b>	044
<b>Radio Shack</b>	073
<b>Realistic</b>	022 166 168
<b>RCA</b>	042 052 053 054 055
	069 070 416 068
<b>Sampo</b>	090 108
<b>Samsung</b>	015 016 017 023 031
	090 107 108 134 147
	151 153 386 411
<b>Sansui</b>	423 424
<b>Sanyo</b>	353 355 356 376 377
<b>Scaptre</b>	468
<b>Scott</b>	090 108 168
<b>Sears</b>	023 031 038 039 068

<b>Sharp</b>	353 355 356
	016 022 023 024 025
	026 027 028 029 393
	395 409
<b>Signature 2000</b>	023 026 108 211 213
<b>Sony</b>	014 020 021 178
<b>Soundesign</b>	091
<b>Squareview</b>	157
<b>Supra-Macy</b>	380
<b>Sylvania</b>	068 071 072 090 091
	092 093 107 108 157
	158 419 456 466
<b>Symphonic</b>	047 157 419
<b>Tatung</b>	044 446
<b>Techwood</b>	068
<b>Teknika</b>	023 068 072 091 168
	213
<b>Telerent</b>	023 213
<b>Tera</b>	381
<b>Tevion</b>	065 414
<b>TMK</b>	068 090
<b>Toshiba</b>	030 031 038 039
<b>Totevision</b>	233
<b>Universal</b>	068 102
<b>Vidtech</b>	068
<b>Viewsonic</b>	428
<b>Wards</b>	068 090
<b>White Westinghouse</b>	211 408 449 458
<b>XR-1000</b>	213
<b>Yamaha</b>	068
<b>York</b>	090 108
<b>Zenith</b>	047 048 049 050 051
	391 405 406 434

#### VCR Setup Codes

BRAND	CODE
<b>Admiral</b>	066 075
<b>Aiwa</b>	132
<b>Akai</b>	269 275 336 351 352
	354
<b>Audio Dynamics</b>	243 291
<b>Bell &amp; Howell</b>	238 357

<b>Broksonic</b>	333 337 358 359
<b>Canon</b>	086 362
<b>Citizen</b>	033 172 247 331
<b>Colortyme</b>	291
<b>Craig</b>	172 363
<b>Curtis Mathes</b>	086 112 247 291
<b>Daewoo</b>	033 343 344 345 346
	347 342
<b>Daytron</b>	345 365
<b>DBX</b>	243 291
<b>Dynatech</b>	132
<b>Emerson</b>	033 086 132 326 331
	332 333 334 335 336
	337 338 339 340 341
	342
<b>Fisher</b>	035 081 357 363 238
<b>Funai</b>	132
<b>GE</b>	086 172 174 170
<b>Go Video</b>	348 349 350 331
<b>Goldstar (LG)</b>	247 331
<b>Harman Kardon</b>	291
<b>Hitachi</b>	078 132</



Audio Setup Codes

Table with columns BRAND and CODE. Lists setup codes for various brands like ADC, Akai, Aiwa, Carver, Denon, Fisher, Goldstar, JVC, Kenwood, Krol, LG, Magnavox, Mission, Mitsubishi, NAD, Nakamichi, NEC, NSM, Onkyo, Panasonic, Philips, Pioneer, Quasar, Radio Shack, RCA, Realistic, Rotel, Sansui, Sanyo, Scientific Atlanta, Scott, Sharp, Sony, Soundesign, STS, Sylvania, Teac, Technics, Toshiba, Yamaha, and Adcom.

Table with columns BRAND and CODE. Lists setup codes for various brands like Aiwa, Akai, Bose, Carver, Denon, Everquest, Fisher, Fosgate, Goldstar, Harman, Hitachi, Jensen, JVC, Kenwood, LG, Luxman, Magnavox, Marantz, NAD, Onkyo, Optimus, Panasonic, Parasond, Philips, Pioneer, Quasar, Radio Shack, RCA, Realistic, Rotel, Sansui, Sanyo, Scientific Atlanta, Scott, Sharp, Sherwood, Sony, Soundesign, SSI, Taekwang, Teac, Technics, Wards, Victor, Yamaha, and Zenith.

8. Code Number Read-Back

To identify the 3-digit setup codes stored under the Point and Press® programming method, follow these steps : 1. Press [TV], then [SEL] together until the [TV] button illuminates. 2. Press [INFO]. The mode buttons will "blink back" the code numbers...

To identify the 3-digit VCR code, press [VCR], then [SEL] in step 1, then press [INFO]. To identify the 3-digit DVD code, press [DVD], then [SEL] in step 1, then press [INFO].

9. ALL SmartKey®

Once you have programmed the remote to operate your electronic devices, you can press the [ALL] SmartKey® to turn your Cable set-top terminal and TV on / off with one button press. You can also program the [ALL] button to turn on / off additional electronic devices and / or tune your TV to its correct output channel.

Programming the [ALL] SmartKey® 1. Press [ALL], then [SETTINGS] together until the [CBL] button illuminates. 2. Enter one of the following options on the keypad of the remote :

- [0] - Turns on / off CBL + TV (default setting) [1] - Turns on / off CBL + TV and tunes TV to output Channel 3. [2] - Turns on / off CBL + TV and tunes TV to output Channel 2.

Channel 2. [3] - Turns on / off CBL + TV and tunes TV to output Channel 4. [10] - Turns on / off CBL + TV + VCR + DVD [4] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 3. [5] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 2. [6] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 4.

[11] - Turns on / off CBL + TV + VCR + DVD + AUDIO [7] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 3. [8] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 2. [9] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 4.

[12] - Turns on / off CBL + TV + AUDIO [13] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 3. [14] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 2. [15] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 4.

3. As soon as you select an option, the [CBL] button will blink 3-times and go out.

Using the [ALL] SmartKey® When pressing the [ALL] SmartKey®, be sure to keep the remote control aimed at your electronic devices until your electronic devices turn on or / off.

Whenever the [ALL] SmartKey® is pressed, the mode of the remote control will automatically switch back to Cable.

10. Volume Control

When you first program your remote, volume / mute are controlled through your TV (except AUDIO which defaults to the AUDIO device). The volume control options in each mode of the remote are :

Table with columns CBL, TV, VCR, DVD, AUDIO and their respective settings like TV (default), Cable or Audio, AUDIO device (default), Cable or TV.

To control volume / mute through your Cable set-top terminal in the remote's Cable mode...

- 1. Press [CBL], then [SEL] together until the [CBL] button illuminates. 2. Press [VOL +], then [CBL] for Cable volume. The [CBL] button will blink 3-times and go out.

To return volume control to your TV, repeat step 1, then press [VOL +], then [TV] in step 2.

11. Channel Memory Buttons - [MUSIC], [MOD], [NEWS], [HELP]

Your remote has 4 Channel Memory Buttons - [MUSIC], [MOD] (Movies-On-Demand), [NEWS], [HELP] (may be labeled differently on some models). Each of these buttons can store up to 5 cable channels. Each cable channel can be up to 5-digits

Some or all of your remote's Channel Memory Buttons may come pre-tuned to channels or functions selected by your cable operator. If they have not been pre-tuned by your cable operator, they can be programmed as follows:

Programming Channel Memory Buttons

For example, to program the [MOD] button to cable channels 1, 12, 123, 1234, 17, follow these steps:

- 1. Press [MOD], then [CBL] together until the [CBL] button illuminates. 2. Enter each channel as follows (ex. assumes 4-digit channel format) : a. Enter 1st channel # - 0001. b. Press [CH +] to advance to next channel # setting.

- c. Enter 2nd channel # - 0012. d. Press [CH +] to advance to next channel # setting. e. Enter 3rd channel # - 0123. f. Press [CH +] to advance to next channel # setting. g. Enter 4th channel # - 1234. h. Press [CH +] to advance to next channel # setting. i. Enter 5th channel # - 0017.

3. Press [MOD] to store the above channels. The [CBL] button will blink 3-times and go out. To store fewer than 5 channels, you can press the [MOD] button any time after entering a complete channel number. 4. Repeat the above steps to program the [MUSIC], [NEWS] and [HELP] buttons. Follow the example in step 1, but press [MUSIC] or [NEWS] or [HELP], then [CBL] together until the [CBL] button illuminates.

Using Channel Memory Buttons

Using the above programmed channels as an example...

- 1. Press [MOD] - Cable set-top terminal tunes to channel 0001. 2. Press [MOD] again - Cable set-top terminal tunes to channel 0012. 3. Press [MOD] again - Cable set-top terminal tunes to channel 0123. 4. Press [MOD] again - Cable set-top terminal tunes to channel 1234. 5. Press [MOD] again - Cable set-top terminal tunes to channel 0017. 6. Press [MOD] again - Cable set-top terminal tunes to channel 1.... repeat.

Whenever a Channel Memory button is pressed, the function of the transport buttons will automatically switch back to Cable.

When pressing the Channel Memory Buttons, be sure to keep the remote control aimed at your Cable set-top

terminal to ensure the full channel numbers are received in their entirety.

If you are using your Synergy® V remote to operate a Cable set-top terminal other than the Explorer® 8000 model, you may only have to enter channels in a 3-digit format (ex. 012).

12. Video Source

This button changes the input source of your electronic devices. In the remote's Cable mode, this operates a Cable function. In the remote's TV mode, this button changes the Input Source (Input 1, Input 2...) on your TV. In the remote's VCR mode, this button changes the TV / VCR Input on your VCR.

You can program this button so that in the remote's Cable mode, [VIDEO SOURCE] will operate the Input function on your TV or VCR, eliminating the need to change modes on the remote.

To program [VIDEO SOURCE] to operate your TV Input function in the remotes cable mode...

- 1. Press [VIDEO SOURCE], then [SEL] together until the [CBL] button illuminates. 2. Press [TV]. The [CBL] button will blink 3-times and go out.

Note : You can also press [VCR] in step 2 above to operate the TV / VCR function on your VCR. Or press [CBL] to return to the normal CBL Video Source function.

13. Reset

To reset your remote control to its factory default settings...

- 1. Press [CBL], then [SEL] together until the [CBL] button illuminates. 2. Press [0]. The [CBL] button will blink 3 times and go out.

Reset returns the ALL SmartKey®, Volume / Mute, Mode Lock™, features to their factory default settings.

15. Using Your Synergy® V - Universal / DVR Remote Control

14. Additional Programming Information, Troubleshooting, Terms

Additional Programming Information

1. The power / mode buttons will illuminate in slow-rotation (i.e. CBL -> TV -> VCR -> DVD -> AUDIO -> CBL...) while the remote is in a programming mode. In the absence of a keypress entry, the power / mode buttons will stop illuminating after 45 seconds and the remote will exit the programming mode.

2. When programming the remote control using the [CH +] or [CH -] buttons (Power function) in the Point and Press® Programming method, you may find a code that turns a device off but not back on. If this happens...

- a. The correct code has not been found as you may have a code that operates some but not all of the functions of your device. Continue pressing [CH +] until your device turn on.

- OR b. You may have gone past the correct matching code. Try pressing [CH -] one press at a time until you find a code that turns your device back on.

3. When using the Point and Press® Programming method, you can also program your remote using buttons other than the [CH +] or [CH -] as described in Section 5 as follows:

- a. [VOL +] - to "go forward" through the codes using the "VOL +" function on your devices. b. [VOL -] - to "go back" through the codes using the "VOL -" function on your devices.

Note : When you find the correct code, the volume of the device being programmed will increase or decrease.

- c. [▲] - to "go forward" through the codes using the "CH +" function on your devices.

- d. [▼] - to "go back" through the codes using the "CH -" function on your devices.

function on your devices.

Note : When you find the correct code, the channel of the device being programmed will increase or decrease.

- e. [▶▶] - to "go forward" through the codes using the "Fast Forward" function on your devices.

- f. [◀◀] - to "go back" through the codes using the "Rewind" function on your devices.

Note : When you find the correct code, the fast-forward or rewind function of the device being programmed will be performed. To simplify programming using these buttons, insert a VHS tape or DVD in the device being programmed.

You can also program your remote using the other available functions as follows :

- a. Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL -> TV -> VCR -> DVD -> AUDIO -> CBL...).

- b. In this order, carefully press [0], [0], [0], [CH+] and [VOL+]. The power / mode buttons illuminate in slow-rotation (i.e. CBL -> TV -> VCR -> DVD -> AUDIO -> CBL...).

- c. You can now program your remote using the [CH+], [CH -], [VOL+], [VOL -], [▲], [▼], [FFWD], [REW], [PLAY], [STOP], [REC], [PAUSE], [LAST], [FAV], [0] - [9] buttons. When you find the correct code, the function associated with the selected button will be performed.

4. Your remote is equipped with a Point and Press® Programming label on the back of its case. This will help you quickly program the remote without using codes.

Troubleshooting / Tips

- 1. If the same button is pressed and held for 45-seconds, your remote control will turn itself off automatically. This extends the battery life should the remote become lodged under or between heavy objects, for example sofa cushions.

- 2. When the batteries become low and need to be replaced,

the [CBL], [TV], [VCR], [DVD] and [AUDIO] buttons will not illuminate normally or at all during use, and the remote will no longer operate your devices.

When this occurs, replace the existing batteries with two (2) new AA Alkaline batteries to restore normal operation to the remote. If your remote still does not operate, you may want to check to see if any of the buttons are stuck in their "down" position.

- 3. If you have a TV that's operated by remote control, it is recommended that you plug it directly into a wall outlet instead of the cable set-top terminal.

- 4. If you have any questions concerning the brand, model or operation of your cable set-top terminal, contact your cable operator.

Frequently Used Terms

AUDIO Devices - Audio receivers, amplifiers, CD players that you can program your remote to operate.

DVR - Digital Video Recorder.

Default Setting - How your remote is set when you receive it from your cable operator.

Electronic Components / Devices - The various electronics device the remote is designed. These include cable set-top terminals, TVs, VCRs, DVDs, audio-video receivers, amplifiers and CD players.

Fast-Rotation - The power / mode buttons will illuminate in a fast sequence (i.e. CBL -> TV -> VCR -> DVD -> AUDIO -> CBL...) repeated every 1/3 second. Fast-rotation occurs when the remote is receiving keypresses to program it to your electronic devices.

Mode - The device the remote is set to operate (ex. Cable, TV, VCR, DVD, Audio)

PIP - Picture-in-picture functionality through your Cable set-top terminal.

Program (Setup) - The process of teaching your remote control to operate your electronic devices.

Slow-Rotation - The power / mode buttons illuminate in a slow sequence (i.e. CBL -> TV -> VCR -> DVD -> AUDIO -> CBL...) repeated every 1 second. Slow-rotation illumination occurs when the remote is in the programming mode, waiting for the next entry on the keypad of the remote.

TV Output Channel - The channel your TV needs to be set on for proper Cable reception (most often TV channel 3, but may be TV channel 2 or 4). If you have any questions concerning your TV output channel, contact your cable operator. Or, with your cable set-top terminal turned on, try setting your TV to channel 2, 3 or 4 to obtain a clear picture.

Transport Functions - These are the [STOP], [PLAY], [FWD], [REW], [PAUSE] and [REC] buttons. In the remote control's Cable mode, these buttons operate your Cable set-top features. In the remote control's VIDEO mode, these operate your VCR or DVD functions.

VIDEO Devices - VCR or DVD players.

Device Setup Codes

If you find that the setup codes listed above do not operate your devices, it is possible your remote was manufactured before the revision date printed on this Instruction Manual. If this occurs, contact your cable operator and request a newer version of your remote control.

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Important : The following diagram shows how to use the buttons on your remote control to operate the DVR and PIP functions of the Motorola DCT 600x series DVR set-top terminal. To access these functions, set the remote control to its Cable mode by pressing the [MODE] button, followed by the [CBL] button.

