

# Synergy™ V

## Model RT-U60C/RT-U62CP



Synergy™ V RT-U60C / RT-U62CP

### 1. Introduction

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

- CABLE** Cable set-top terminals
- TV** Televisions
- VCR** VCR
- DVD** DVD
- AUDIO** 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™ Programming**  
Lets you program your TV, VCR, DVD, AUDIO devices without using codes. For more information, see sections 5 and 14.

**[ALL] SmartKey®**  
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®**  
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.

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When the batteries become low and need to be replaced, the [CBL], [TV], [VCR], [DVD], [AUDIO] buttons will not illuminate normally, or at all during use.

When this happens, replace the existing batteries with two (2) new AA Alkaline batteries to restore normal operation to the remote control.

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

Your remote control is pre-programmed to operate the Scientific Atlanta Explorer® 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 [SELECT], 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 [SELECT] to lock in the code. The power / mode buttons will blink 3-times and go out.

### Cable Setup Codes

| Brand                                | Code |
|--------------------------------------|------|
| Motorola                             |      |
| DCT, CFT2200                         | 001  |
| CFT2100, CFT2000                     | 002  |
| Jerrold                              |      |
| DL4, DP(V), DQNV, DPBB               | 003  |
| Scientific Atlanta                   |      |
| Explorer® 8000 (SARA - RT-U59C)      | 412  |
| Explorer® 8000 (Passport - RT-U61CP) | 413  |
| Explorer® 8600X                      | 005  |
| 8600                                 | 006  |
| Pace                                 |      |
| 510 Digital                          | 004  |

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| Brand                       | Code       |
|-----------------------------|------------|
| HD Digital                  | 010        |
| Pioneer                     |            |
| Voyager® BA-V1000, BA-V2000 | 004<br>007 |
| Tocom                       |            |
| 5503VIP, 5507, 5508         | 008        |
| Zenith                      |            |
| MM2500                      | 009        |
| Digital                     | 013        |

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

**Code Entry Programming**  
1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.

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

3. 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 [SELECT] 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 [SELECT] to lock in the code. The power / mode buttons will blink 3-times and go out.

4. To program your VCR refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.

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5. To program your DVD refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.

6. To program your AUDIO equipment, refer to the AUDIO Setup Code list and repeat steps 2 and 3 above.

### Point and Press™ 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 device 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)

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO)

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you want to program the remote to operate.

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

3. 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.

4. Press [MUTE]. If the device that turned off...

a. Turns back on, press [SELECT] 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 in reverse fast-rotation (AUDIO → DVD → VCR → TV → CBL).

Once you have found a code that turns the device on / off, press [SELECT] to lock in this code. The power / mode buttons will blink 3-times and go out.

5. 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 Combination

1. First, turn on your TV / VCR combination device and install a VHS tape.

2. Next, program your remote to operate the TV functions.

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, REV, FWD, PAUSE, REC) of your TV / VCR unit.

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.

4. If you have a TV / VCR / DVD combination unit, you would then program your remote to operate the VCR functions. 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, REV, FWD, PAUSE, REC) of your TV / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [MODE] button, then [VCR] button to put the remote in its VCR mode.

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

1. First, turn on your TV / DVD combination device and install a DVD.

2. Next, program your remote to operate the TV functions.

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 TV transport functions (Power, Vol +, Mute, Ch +, 0-9) of your TV / DVD unit.

3. Last, program your remote to operate the DVD functions. 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 VCR transport functions (PLAY, STOP, REV, FWD, PAUSE, REC) of your TV / DVD / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [MODE] button, then [VCR] button to put the remote in its VCR mode.

4. If you have a TV / VCR / DVD combination unit, you would then program your remote to operate the VCR functions. 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, REV, FWD, PAUSE, REC) of your TV / DVD / VCR unit.

Before you can test for the correct VCR setup code, you must first press the [MODE] button, then [VCR] button to put the remote in its VCR mode.

### TV Setup Codes

| BRAND     | CODE        |
|-----------|-------------|
| Admiral   | 026 054 211 |
| Adventure | 047         |
| Advent    | 072 094     |
| Aiwa      | 214 210     |
| Akai      | 053         |

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|                     |                     |
|---------------------|---------------------|
| Amark               | 023 215             |
| Amstrad             | 157                 |
| Anam                | 217 218 219 220 221 |
| 222 223             |                     |
| AOC                 | 053                 |
| Apex                | 030 038             |
| Audiovox            | 220                 |
| Belcor              | 073                 |
| Bell & Howell       | 211                 |
| Broksonic           | 165 167             |
| Brokwood            | 073                 |
| Candle              | 068 091             |
| Centurion           | 095 107 108         |
| Citizen             | 068 091 211 233     |
| Concerto            | 073 065             |
| Contac              | 147                 |
| Cornado             | 023                 |
| Craig               | 223                 |
| Crown               | 023                 |
| Curtis Mathes       | 106 054 107 108 211 |
| 213                 |                     |
| Daewoo              | 051 068 073 095 158 |
| 159 189 191 194 196 |                     |
| 197 198 200 202 204 |                     |
| 205 206 207 209     |                     |
| Dayton              | 073 065 107 108     |
| Dumont              | 073                 |
| Electro Home        | 073 095             |
| Elektra             | 353                 |
| Emerson             | 116 023 053 064 103 |
| 039 158 159 164 165 |                     |
| 166 167 168 169 392 |                     |
| 400 401 402 408 415 |                     |
| Envision            | 073 095             |
| Fisher              | 355 356             |
| Funai               | 047                 |
| GE                  | 015 018 042 044 049 |
| 054 055 068 073 090 |                     |
| 095 101 102 103 389 |                     |
| 390 396 403 406 407 |                     |
| Gibraltar           | 023 048 053 068 073 |

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|                     |                     |
|---------------------|---------------------|
| Goldstar (LG)       | 023 053 068 073 090 |
| 107 108 233 360 361 |                     |
| Grundig             | 233                 |
| Hall Mark           | 073 095             |
| Hitachi             | 023 068 095 096 097 |
| 098 099 100         |                     |
| Inkel               | 364                 |
| JC Penney           | 099 053 068 073 092 |
| JVC                 | 095 102 355         |
| 104 105 106 396 397 |                     |
| 410                 |                     |
| Kawasho             | 073 095             |
| KMC                 | 023                 |
| KTV                 | 023 053 233 366     |
| Kurazai             | 211 213             |
| LG (Goldstar)       | 023 053 068 073 090 |
| 107 108 233 360 361 |                     |
| Lodgenet            | 211 213             |
| Logik               | 211 213             |
| Luxman              | 068 073 095         |
| LXI                 | 024 026 157         |
| Magnavox (Philips)  | 023 068 071 073 069 |
| 090 091 093 134 385 |                     |
| 387 397 404         |                     |
| 211 213             |                     |
| Majestic            | 355 409             |
| Marantz             | 053 107 108 109     |
| Megatron            | 215                 |
| Memorex             | 090 211 213 355 388 |
| 405                 |                     |
| MGMitsubishi        | 053 068 073 090 095 |
| 107 109 110 216 384 |                     |
| 394 395 398 399 417 |                     |
| 022 023 025 053 071 |                     |
| 072 108 211 213     |                     |
| NEC                 | 023 068 090 108 200 |
| Orion               | 019 159 160 161 162 |
| 163 382             |                     |
| Panasonic           | 042 043 044 045 046 |
| Philco              | 023 053 068 071 072 |

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|                     |                     |
|---------------------|---------------------|
| Philips (Magnavox)  | 091                 |
| 023 068 071 073 089 |                     |
| 090 091 093 134 385 |                     |
| 387 397 404         |                     |
| 073 094 233         |                     |
| Pilot               | 073 094 233         |
| Pioneer             | 111 144 383         |
| Portland            | 023 068             |
| ProScan             | 055 070             |
| Proton              | 090 371 372         |
| Pulsar              | 073                 |
| Quasar              | 044                 |
| Radio Shack         | 073                 |
| Realistic           | 022 166 168         |
| RCA                 | 042 052 053 054 055 |
| 069 070 416         |                     |
| Sampo               | 090 108             |
| Samsung             | 015 016 017 023 031 |
| 090 107 108 134 147 |                     |
| 151 153 386 411     |                     |
| Sansui              | 423                 |
| Sanyo               | 353 355 356 376 377 |
| Scott               | 090 108 168         |
| Sears               | 023 031 038 039 068 |
| Sharp               | 016 022 023 024 025 |
| 026 027 028 029 393 |                     |
| 395 409             |                     |
| Signature 2000      | 023 026 108 211 213 |
| Sony                | 014 020 021         |
| Soundesign          | 091                 |
| Squareview          | 157                 |
| Supra-Macy          | 380                 |
| Sylvania            | 068 071 072 090 091 |
| 093 107 108 157 158 |                     |
| 419                 |                     |
| Symphonic           | 047 157             |
| Tallent             | 044                 |
| Techwood            | 068                 |
| Teknika             | 023 068 072 091 168 |
| 213                 |                     |
| Telerent            | 023 213             |

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|                    |                     |
|--------------------|---------------------|
| Tera               | 391                 |
| Tevion             | 065 414             |
| TMK                | 068 090             |
| Toshiba            | 030 031 038 039     |
| Totevision         | 233                 |
| Universal          | 068 102             |
| Videotech          | 068                 |
| Wards              | 068 090             |
| White Westinghouse | 211 408             |
| XR-1000            | 213                 |
| Yamaha             | 068                 |
| York               | 090 108             |
| Zenith             | 047 048 049 050 051 |
| 391 405 406        |                     |

### VCR Setup Codes

| BRAND               | CODE                |
|---------------------|---------------------|
| Admiral             | 066 075             |
| Aiwa                | 132                 |
| Akai                | 269 275 336 351 352 |
| 354                 |                     |
| Audio Dynamics      | 243 291             |
| Bell & Howell       | 357                 |
| Broksonic           | 333 337 358 359     |
| Canon               | 086 362             |
| Citizen             | 033 172 247 331     |
| Colorlyme           | 291                 |
| Sony                | 172 363             |
| Craig               | 172 363             |
| Curtis Mathes       | 086 112 247 291     |
| Daewoo              | 033 343 344 345 346 |
| 347                 |                     |
| Dayton              | 345 365             |
| DBX                 | 243 291             |
| Dynatech            | 132                 |
| Emerson             | 033 086 132 326 327 |
| 033 332 333 334 335 |                     |
| 336 337 338 339 340 |                     |
| 341 342             |                     |
| 035 081 357 363     |                     |
| 132                 |                     |

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|                    |                     |
|--------------------|---------------------|
| GE                 | 086 172 174         |
| Go Video           | 348 349 350         |
| Goldstar (LG)      | 247 331             |
| Harman Kardon      | 291                 |
| Hitachi            | 078 132             |
| Instant Replay     | 086                 |
| JC Penney          | 078 086 172 238 291 |
| JCL                | 086                 |
| JVC                | 120 128 243 247 250 |
| 253                |                     |
| Kenwood            | 120 132 238 243 247 |
| LG (Goldstar)      | 247 331             |
| Lloyd              | 132                 |
| Logik              | 367                 |
| LXI                | 132 331             |
| Magnavox (Philips) | 086 132 183         |
| Marantz            | 086 172 183 238 247 |
| 291                |                     |
| Marta              | 331                 |
| Matsui             | 368                 |
| Memorex            | 132 238 331 363 369 |
| 370                |                     |
| Mitsubishi         | 255 258             |
| MTC                | 132 172             |
| Montgomery Ward    | 066 170 173 373     |
| Multi Tech         | 132 172 367         |
| NEC                | 120 238 243 291 374 |
| Orion              | 375                 |
| 380                |                     |
| Panasonic          | 322 326 327 328 329 |
| 112 117            |                     |
| Pentax             | 078                 |
| Philco             | 086 132 183         |
| Philips (Magnavox) | 086 132 183         |
| Pioneer            | 078 120 263         |
| Portland           | 345                 |
| ProScan            | 170 174             |
| Quartz             | 238 378             |