

# Synergy<sup>®</sup> V Universal / DVR Remote Control

Models RT-U64 CP / CD



## Programming and Operating Instructions

(Part #: 9-544-903)

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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:

CABLE	Cable set-top boxes
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.

Follow the instructions in Sections 3 to 5 below to program your devices. For additional programming information, see Section 13.

### 2. Installing / Replacing Batteries

Install two (2) new AA alkaline batteries. Properly match the "+" and "-" ends of the batteries with the diagram in the battery compartment, taking care to install the "-" end of each battery first.

When the [CBL], [TV], [VCR], [DVD] and [AUD] buttons become dim or no longer illuminate during use, install two (2) new AA alkaline batteries.

Your remote is equipped with Memory Guard<sup>®</sup>, which eliminates reprogramming after battery changes.

### 3. Programming Your Cable Set-Up Box

Your remote control supports the newest set-top boxes from your Cable TV provider, but may come pre-programmed to a specific brand and model. If you are not sure of your model, contact your Cable TV provider.

- To program your Cable set-top box, write down the 3-digit code for your brand and model from the **Cable Setup Code list**.  
Cable Code #:
- Press [SEL / OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL).
- Slowly enter the 3-digit code on the keypad of your remote control.
- Press [SEL / OK] to lock in code. The power / mode buttons will blink 3-times and go out.

### ◆ Cable Setup Codes

<b>Motorola</b>		
CFT2000, CFT2100		001
DCT, CFT2200		002

<b>Jerrold</b>		
DL4, DP(V), DQN(V), DPBB		003
<b>Evolution</b>		
DMS1004, DMS1004-CA, DMS1004HDDH		005
<b>Homecast</b>		
C8000-COPVR (ELC1378)		977
<b>Cisco (Scientific Atlanta)</b>		
8600		006
Explorer <sup>®</sup>		004
Explorer <sup>®</sup>		010
Explorer <sup>®</sup> 8000 DVR		412,413
Explorer <sup>®</sup> (Blue Ridge)		011
<b>Pace</b>		
510 Digital		004
HD Digital		010
<b>Pioneer</b>		
Voyager <sup>®</sup>		004
BA-V1000, BA-V2000		007
<b>Samsung</b>		
All		412, 413
<b>Tocom</b>		
5503VIP, 5507, 5508		008
<b>Zenith</b>		
MM 2500		009
Digital		013

### 4. 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.
- To program your TV, write down the 3-digit code for your brand from the **TV Setup Code list**.  
TV Code #:
- Press [SEL / OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- a. With the remote pointed toward your TV, slowly enter each 3-digit code on the keypad until your TV turns off.  
b. As soon as you enter a 3-digit code that turns your TV off, press [MUTE]:
  - If the TV turns back on, press [SEL / OK] to lock in the code. The power / mode buttons will blink 3-times and go out.
  - If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [SEL / OK] to lock in the code. The

power / mode buttons will blink 3-times and go out.

- Test the code to make sure it operates your TV's Power, Volume +/- and Mute functions. If it doesn't, repeat steps 3 and 4 above with a different code until you are successful.
- To program your VCR, write down the 3-digit code for your brand from the **VCR Setup Code list**, then repeat steps 3 to 5 above testing its Power, Play, Stop, Rewind, Fast-Forward, Pause and Record functions.  
VCR Code #:
- To program your DVD, write down the 3-digit code for your brand from the **DVD / DVR Setup Code list**, then repeat steps 3 to 5 above testing its Power, Play, Stop, Rewind, Fast-Forward, Pause and Record functions.  
DVD / DVR Code #:
- To program your AUDIO device, write down the 3-digit code for your brand from the **AUDIO Setup Code list**, then repeat steps 3 to 5 above testing its Power, Vol +/- and Mute functions.  
AUDIO Code #:

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

This method allows you to program your remote control without using codes.

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [SEL / OK], 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.
- Press [MUTE]. If the device that turned off:
  - Turns back on, press [SEL / OK] to lock in this code. The power / mode buttons will blink 3-times and go out.  
Or
  - 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 1<sup>st</sup> device on / off, press [SEL / OK] to lock in this code. The power / mode buttons will blink 3-times and go out.
- Test the code to make sure it operates the functions of

the device that turned off. For example:

- TV - Power, Vol +/-, Mute
  - VCR & DVD - Power, Play, Stop, Rewind, Fast-forward, Pause, Record
  - Audio - Power, Vol +/-, Mute
- If the code you stored does not, repeat steps 2-4 above until you are successful.

### 5. Programming Your TV / VCR, TV / DVD or TV / VCR / DVD Combination Device

- Turn on your combination device and install a VHS tape and / or DVD.
- Write down the 3-digit TV, VCR and DVD codes for your brand from the **Combination Device Setup Code list**.  
TV Setup Code #:  
VCR Setup Code #:  
DVD Setup Code #:
- Following the code entry programming steps in Section 4, enter the codes you wrote down above.
- Test the codes you entered to see if they operate your combination device. Press [MODE], followed by:
  - [TV]. Then press the Power, Vol +/-, Mute buttons to see if they operate these TV functions.
  - [VCR]. Then press the Power, Play, Stop, Pause, Rewind, Fast-forward, Record, TV / VCR buttons to see if they operate these VCR functions.
  - [DVD]. Then press the Power, Play, Stop, Pause, Rewind, Fast-forward, Record, Input buttons to see if they operate these DVD functions.

### ◆ TV Setup Codes

BRAND	CODE(S)
Abex	016
Acer	454 782
Admiral	026 027 028 029 054
Advent	211 213 408 047 072 094 425 447
Adventura	461 463 937
Affinity	047
Aiko	599
Aiwa	015 051 391
Aiwa	214 471
Aikai	020 031 053 462 473
Allerion	522 524 547 572 586
Amark	762 903 960 974 978
Ambassador	211 395
America Action	023 215
	159
	197
	205 206 207 209 408

Amstrad	157
Anatron	168 400
Anam	044 168 217 218 219
	220 221 222 223 400
	403
Anam International	403
AOC	053 073 108 384 455
	573 587 904 910
Apex	030 038 360 427 462
	599 961
Apex Digital	866
Astar	462
Audiovox	168 191 220 400 465
Auria	072
Baysonic	168
Brilliant	073
Broksonic	211 213 355 388 736
Bell & Howell	454 820
Ben Q	168 400
Bradford	792
Brilliant	165 167 169 423 434
Broksonic	893
Brokwood	073
Candle	068 073 091 108 385
	573 587
Carver	072 405 729
Celebrity	020
Centurion	095 107 108
Changhong	030
Cineral	391 408
Citizen	015 023 051 068 073
	091 108 168 211 213
	233 355 385 388 391
	400 573 587 741
	073 085 459 462 558
Coby	873 908
	730
Colorlyme	051
Clairtone	038
Classic	073 095 108 573 587
Concerto	039 147 168 233 400
Contec/Cony	732
Corona	023
Crado	168 217 218 220 223
	400 424 577 786 874
	878
Crosley	072
Crown	405 598 729
Curtis Mathes	016 023 031 054 070
	072 073 107 108 211
	213 355 388 405 462
	573 587 606 729 736
	741 759 777
	020 070 461 462 837
Curtis	905 936 937
CXC	168 400
Daewoo	051 068 073 095 158
	159 189 191 194 196
	197 198 200 202 204
	205 206 207 209 408

Daytek	737 741 793
Daytron	583 833 834
	023 073 095 107 108
	573 587 741
	759
Dimensia	072 094
Dell	097
Denon	563
Digital Research	887 889 898
Disney	577
Dumont	049 073 108 573 587
Durabrand	157 424 577 868
Dynex	167 415 424 567 577
	868
Dwin	027
Electro Home	020 044 073 095 108
	403 573 587 739
Electroband	020
Elektra	353
Element	073 459 587 870 888
Emerson	016 021 023 031 047
	053 064 073 100 103
	108 139 158 159 164
	165 166 167 168 169
	189 191 211 213 355
	387 392 395 400 401
	402 403 408 415 424
	456 507 567 573 577
	587 590 595 731 734
	736 741 743 744 745
	746 748 750 751 754
	757 760 761 764
	887
Emprex	095 108 573 587
Envision	073 458 538
ESA	104 355 356 388 736
Fisher	211 395 460 469 560
Fujitsu	776 813
Funai	047 048 157 168 211
	395 400
Favi	756 902 911
Futuretech	168 400
Gateway	426 533
GE	015 018 030 042 044
	045 049 054 055 068
	069 070 073 090 092
	101 102 103 108
	211 213 389 390 396
	397 403 406 407 573
	587 739 742 755 759
	806
Gibraltar	023 048 049 053 068
	073 090 095 107 108
	233 360 361 573 587
	443 562 601
Go Video	023 053 068 073 090
Goldstar (LG)	107 108 233 360 361
	424 567 577 587 823
	825
GPX	211 590 889 964 965

Gradiente	104
Grundig	233
Grunpy	023 047 073 095 108
	233 360 361 384 573
	587
Haier	020 031 053 073 095
	108 427 519 573 587
	596
Hall Mark	073 095 108 573 587
Hampshire	867 873
Harley Davidson	211
Harman/Kardon	729
Harvard	168 400
HCT	840 868
Hi-Sense	046 072 870 906 967
Hitachi	023 039 068 073 095
	096 097 098 099 100
	108 233 393 573 587
	732 750 753 756 787
	796 801 803 808 814
	815 817 819 821 968
Hiteker	884
Honeywell	886
HR	072
Hyundai	453
iLO	456 470 524 577 586
iSymphony	602 901 911
IMA	031 800
Infinity	072 405 729
Initial	168 400
Inkel	470 537
Insignia	364
	167 169 415 424 450
	456 461 462 482 523
	524 567 577 586
Janeil	390
JBL	072
JCB	020 405 729
JC Penney	023 038 039 045 053
	068 073 091 092 095
	102 108 355 361 384
	385 389 390 573 587
	739 741 742 755 759
	767 795
JCH	020
Jensen	062 073 108 461 573
	587
JVC	039 045 104 105 106
	233 396 397 410 474
	589 728 732 742 753
	739 790
	763 766 872 982
Kawasho	020 073 095 108 573
	587
Kenwood	053 073 095 108 573
	587
Kloss Novabeam	071 168 400 404
KMC	023
Konka	065 445 589
Kosch	462
KTV	023 053 064 168 233

Kurazai	366 400 741 770
Legend	169
LG (Goldstar)	023 053 068 073 090
	095 107 108 233 360
	361 384 424 567 577
	587 875 876
Lodgenet	211 213
Logik	211 213
Luxman	068 073 095 108 573
	587
LXI	024 026 027 028 029
	038 055 069 070 072
	094 095 098 099 100
	157 355 388 405 725
	729 736 755 759 773
MAG	459
Magnavox (Philips)	023 044 068 071 072
	073 089 090 091 092
	093 094 095 108 134
	233 385 387 390 397
	398 403 404 405 419
	423 426 447 456 463
	470 472 523 533 549
	587 595 729 740 783
	810 865 877 878 879
	983 984
Majestic	211 213
Marantz	053 072 0

Synergy® V RT-U64CP/RT-U64CD					
Sears	035	066	078	081	086
Sharp	238	331	363	496	
Shintom	066	075			
Signature 2000	058	078	367		
Sony	066	170	173	373	
	056	058	060	443	448
	505	553			
Soundesign	132				
Sylvania	086	132	141	183	258
	322	324	420		
Symphonic	132				
Tandy	132	238			
Tashiko	331				
Tatung	243				
Teac	132	243			
Technics	086	331			
Teknika	086	132	331	359	
Thomas	132				
TMMK	172	338			
Toshiba	033	035	078	081	258
	429	491	496	604	
Totevision	172	331			
Unitech	172				
Vector Research	033	291			
Video Concepts	033	132	291		
Wards	033	066	078	086	132
	172	247	331	363	
XR-1000	367				
Yamaha	132	238	243	247	291
Zenith	058	120	122	128	132
	339	435	486		

### DVD / DVR Setup Codes

BRAND	CODE(S)
Aiwa	495 617 618 685
Akai	548 584 588 931
Alpine	621
Apex	227 609 621 657 683
	924
Apex Digital	193 227 489 681
Audiovox	659
Axion	491
B144	146
Bose	651
Clarion	622
Classic	623
Coby	227 688 856 861 932
	938 959 962 966
Curtis	838 842
CyberHome	490 496 498
Daewoo	494 624 988
Denon	124 201 203 448 570
	625 626 686
Diamond Vision	566
DirectTV	708
Dish Network	711
Dish Network System	709

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Synergy® V RT-U64CP/RT-U64CD					
Dishpro	709				
Durabrand	855				
DVD-Video	199	484	488		
Dynex	482	858	859		
ECA	156				
EchoStar	709	711			
Emerson	129	135	482	483	486
	526	568	569	591	605
	724				
Expressvu	709				
Funai	605				
GE	150	152	156	175	511
GPX	627	842	861	963	
GOI	709				
Go Video	129	486	652		
Goldstar (LG)	129	133	135	179	260
	568	569			
Gradiente	212	234	581	614	
Harman Kardon	256	259			
Haier	600	981			
Hewlett Packard	862				
Hitachi	149	212			
HTS	709				
Hughes Network Systems	708				
Humax	708				
iLo	588	969			
Insignia	482	588	665	858	
JSI	614				
JVC	177	179	475	476	477
	478	633	709	711	
Kenwood	228	628	677		
KLH	248	252			
Konka	619	620	628		
Koss	234	581	614		
Lasonix	152	156	656	678	
LiteOn	499	500			
LG (Goldstar)	129	133	135	179	260
	568	569	943		
Magnavox (Philips)	138	143	146	234	270
	484	550	564	581	593
	605	609	614	679	683
	706	707	708	860	890
	891	926	928	935	985
	270				
Marantz	234	580	581	614	
Matsui	554	556			
McIntosh	629	839	863	987	
Memorex	432				
Mintek	181	185	485		
Mitsubishi	129	135	246	483	486
NAD	568	569	650	724	940
	645				
Nakamichi	514				
Norcent	085	244	687	689	
Onkyo	603				
Oppo	302	440	644	672	847
Orion	952	972			
Panasonic	079	115	118	121	124
	201	431	448	570	646
	682	684	713	925	
Philips (Magnavox)	138	143	146	234	270

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Synergy® V RT-U64CP/RT-U64CD					
	484	550	564	581	593
	605	609	614	679	683
	706	707	708	860	890
	891	926	928	935	985
	125	187	188	615	647
Pioneer	705				
	497	976			
Polaroid	838				
Prima	236				
Proceed	727				
ProScan	488				
Protron	234	581	614	648	
Qwestar	152	156	658	678	708
RCA	857	934	939	980	
	152	156	658	678	708
Replay TV	422	710	713		
Samsung	649	654	711	923	927
	192	212	224	225	487
	493	509	545	559	576
	652				
Scientific-Atlanta	565	574	575	675	676
Sears	559				
Sharp	034	076	077	079	565
	574	575			
Sonic Blue	713				
Sony	040	059	061	152	156
	436	479	480	481	578
	610	612	678	680	712
	714	721	722	930	986
	421	484	550	591	605
	494	605			
	497				
	246	650			
	156	237	608		
	418	706	708	712	721
	722				
Toshiba	082	085	087	113	544
	607	609	616	655	683
	687	723	942		
Viewmage	511				
Vizio	891				
Yamaha	121	124	201	210	448
	570	679			
Yamakawa	181	485			
Zenith	129	133	135	483	724

### Audio Setup Codes

BRAND	CODE(S)
ADC	318
Adcom	325
Aiwa	176 301 518 521 633
	634 668 669 671
Akai	142 249 261
Bose	302 440 644 672 847
	952 972
Boston Acoustic	922
Carver	155 176 180 518 668
	669

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Synergy® V RT-U64CP/RT-U64CD					
Coby	921				
Crown	154				
Daewoo	501				
Denon	262	273	307	660	661
	703	704	715	848	
Digital Lifestyle	913				
Durabrand	916				
Emerson	673				
Everquest	136				
Fisher	063	180	230	274	
FSgate Audioics	488				
GE	305				
Goldstar (LG)	036	308			
Harman Kardon	130	257	305	306	315
	669	716	970		
Hitachi	240	690			
iLive	917	946	947	948	958
Insignia	849				
Jensen	140	517	520	666	667
JVC	114	241	297	691	954
Kenwood	063	131	137	176	274
	277	282	289	299	309
	444	692			
	849	919			
	717	718			
KLH	176				
Koss	036	308	956	957	
LG (Goldstar)	518	668	669		
Linn	852				
Logitech	281				
Luxman	037	080	084	119	184
Magnavox (Philips)	296	433	502	503	504
	518	668	669	670	850
	893	955			
Marantz	282	283	284	285	516
	517	518	520	666	668
	669	670			
McIntosh	557				
Memorex	918				
Mission	176				
Mitsubishi	245	249	664	693	
NAD	182	231	286	290	
Nakamichi	264	319	694		
NEC	235	695			
NSM	176				
Onkyo	126	171	300	304	543
	579	662	663	696	920
Optimus	142	229	321		
Panasonic	032	074	184	266	267
	280	437	438	441	512
	638	639	640	641	642
	643	914			
	323	632			
	037	080	084	119	184
	296	433	502	503	504
	668	669	718	518	850
	893	955			
Pioneer	116	123	127	137	251
	298	697	719	309	846

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Synergy® V RT-U64CP/RT-U64CD						
Polk Audio	951					
Quasar	032	184				
Radio Shack	186	229	266	267		
	282	289				
RCA	037	119	137	295	309	
	439	698				
Realistic	226	268				
Regent	918					
Rotel	310	700				
SAE	176					
Samsung	492	487	546	841	844	
	613					
Sansui	283	518	668	669		
Sanyo	195	230	309	137	190	
Scientific Atlanta	312					
Scott	699					
Sears	272					
Sharp	288	289	294	843	664	
	915	953				
Shenwood	114	229	267	504	505	506
	700					
Sony	041	057	067	232	287	
	292	293	442	501	610	
	611	635	636	720	835	
	836	845	950			
	083	148	239	242	265	
Soundesign	311	320				
	313					
SSI	318					
STS	542	579	630	637	702	
Sylvania	853	892	945			
Symphonic	184					
Taekwang	142					
Teac	186	314	316	707		
Technics	032	184	208	317	512	
	643					
Toshiba	290	662				
Victor	114	241				
Vizio	894					
Wards	063	114	241	669	518	
Yamaha	145	254	280	303	521	
	542	579	630	637	702	
	853	892	945			
Zenith	036	083	088	148	239	
	265	957				
Zvox	851	949				

### Combo Setup Codes

BRAND	TV	DVD	VCR	Audio
Aiwa	471	685		
Apex	030	683		
BOSE				