

Synergy[®] V RT-U64CP / RT-U64CD

Universal / DVR Remote Control



Programming And Operating Instructions

(Part # 9-544-903)

© 2009, Contec, LLC, Rev. 06/09

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. Following the diagram in the battery compartment, carefully insert the "-" end of each battery against the "-" battery terminal first, then insert the "+" end of the battery against the "+" battery terminal.

When the batteries become low and need to be replaced, the [CBL], [TV], [VCR], [DVD], and [AUD] 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

The RT-U64CP remote control is pre-programmed to operate the Scientific Atlanta Explorer[®] 8000 digital set-top terminal. The RT-U64CD is pre-programmed to operate the Motorola DCT 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:

1. Press [SEL/OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUD → CBL).
2. 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.
3. Then, press [SEL/OK] to lock in the code. The power / mode buttons will blink 3-times and go out.

Cable Setup Codes

Motorola		
DCT, CFT2200	002	
CFT 2100, CFT 2000	002	
DCT 62xx series DVR terminals	002	
Jerrol		
DL4, DP(V), DQN(V), DPBB	003	
Scientific Atlanta		
Explorer [®] 8000 (w/o Day ◀, ▶)	412	
Explorer [®] 8000 (with Day ◀, ▶)	413*	
Pace		
510 Digital	412	
HD Digital	010	412
Pioneer		
Voyager™	004	
BA-V1000, BA-V2000	007	
Samsung		
SMT-H3050	412	

Tocom		
5503VIP, 5507, 5508		008
Zenith		
MM2500		009
Digital		013

* Supports Explorer[®] 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

1. Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
2. Press [SEL/OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUD → 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 [SEL/OK] 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/OK] 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.
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 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 → AUD → 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) you want to program the remote to operate.
2. Press [SEL/OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUD → 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 [SEL/OK] 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 (AUD → DVD → VCR → TV → CBL).

Once you have found a code that turns the device on / off, press [SEL/OK] 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 or TV / DVD Combination

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

2. 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.

3. 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

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

2. 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.

3. 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.

4. 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				
<i>Admiral</i>	026	054	211	213	
<i>Advent</i>	072	094	425	447	463
<i>Adventura</i>	047				
<i>Aiwa</i>	214	471			
<i>Akai</i>	053	462	473	522	524
	547	572	586		
<i>Amark</i>	023	215			
<i>Amstrad</i>	157				
<i>Anam</i>	217	218	219	220	221
	222	223			
<i>AOC</i>	053	573			
<i>APEX</i>	030	038	427		
<i>Astar</i>	462				
<i>Audiovox</i>	191	220	465		
<i>Belcor</i>	073				
<i>Bell & Howell</i>	211	213			

<i>Ben Q</i>	454				
<i>Broksonic</i>	165	167			
<i>Brokwood</i>	073				
<i>Candle</i>	068	091			
<i>Centurion</i>	095	107	108		
<i>Citizen</i>	068	091	211	213	233
<i>Coby</i>	558				
<i>Concerto</i>	073	095			
<i>Contec</i>	147				
<i>Coronado</i>	023				
<i>Craig</i>	223				
<i>Crosley</i>	598				
<i>Crown</i>	023				
<i>Curtis Mathes</i>	016	054	107	108	211
	213	606			
<i>Daewoo</i>	051	068	073	095	158
	159	189	191	194	196
	197	198	200	202	204
	205	206	207	209	
<i>Daytron</i>	073	095	107	108	
<i>Dell</i>	072	094	448		
<i>Diamond Vision</i>	563				
<i>Dumont</i>	073				
	167	415	424	567	577
<i>Electro Home</i>	073	095			
<i>Elektra</i>	353				
<i>Element</i>	459	587			
<i>Emerson</i>	016	023	053	064	103
	139	158	159	164	165
	166	167	168	169	392
	400	401	402	408	415
	424	507	567	577	590
	073	095			
<i>Envision</i>	454	456	538		
<i>ESA</i>	355	356			
<i>Fisher</i>	460	469	560		
<i>Fujitsu</i>	047	048	157	168	211
<i>Funai</i>	426				
<i>Gateway</i>	015	018	042	044	049
<i>GE</i>	054	055	068	073	090
	092	095	101	102	103
	389	390	396	403	406
	407				
<i>Gibraltar</i>	023	048	053	068	073
	090	095	107	108	233
	360				
<i>Goldstar (LG)</i>	023	053	068	073	090
	107	108	233	360	361
<i>Gradiente</i>	104				

Grundig	233				
Go Video	443				
Haier	053	073	095	108	427
	519	587	573	596	
Hall Mark	073	095			
Hitachi	023	068	095	096	097
	098	099	100		
HP	072				
Hyundai	453				
iLO	524	586			
Initial	470				
Inkel	364				
Insignia	167	415	424	450	456
	461	462	523	524	567
	577	586			
JC Penney	039	053	068	073	092
	095	102	355		
Jensen	062	461			
JVC	104	105	106	396	397
	410	589			
Kawasho	073	095			
KMC	023				
Konka	445	589			
Kosch	462				
KTV	023	053	233	366	
Kurazai	211	213			
Legend	169				
LG (Goldstar)	023	053	068	073	090
	107	108	233	360	361
	424	567	577	587	
Lodgenet	211	213			
Logik	211	213			
Luxman	068	073	095		
LXI	024	026	157	355	388
MAG	459				
Magnavox	023	068	071	072	073
	089	090	091	092	093
	094	134	385	387	397
	404	419	463	470	472
	549	594	595		
Majestic	211	213			
Marantz	053	107	108	109	
Matsui	582	583	585		
Maxent	426	533	534		
McIntosh	555				
Megatron	215				
Memorex	090	211	213	355	388
	405	423	459		
MGA / Mitsubishi	053	068	073	090	095

	107	108	109	110	216
	384	394	395	398	399
	417				
Mintek	470				
Montgomery Ward	022	023	026	053	071
	072	108	211	213	
NEC	028	068	090	108	200
	464				
Net TV	426				
Norcent	455	472			
Olevia	073	108	519	541	587
Orion	019	159	160	161	162
	163	382	423	424	558
Panasonic	042	043	044	045	046
	419	429	631		
Philco	023	053	068	071	072
	091	463			
Philips	023	068	071	072	073
	089	090	091	092	093
	094	134	385	387	397
	404	419	463	470	472
	549	594	595		
Pilot	073	094	233		
Pioneer	019	111	144	383	551
Planar	474				
Polaroid	384	394	459		
Portland	023	068			
Prima	072				
ProScan	055	070	578		
Proton	090	371	372		
Protron	457	467			
Proview	459				
Pulsar	073				
Quasar	044				
Radio Shack	073				
Realistic	022	166	168		
RCA	042	052	053	054	055
	068	069	070	416	
Runco	525				
Sampo	090	108			
Samsung	015	016	017	023	031
	090	107	108	134	147
	151	153	386	411	508
	577				
Sansui	423	424			
Sanyo	353	355	356	376	377
Sceptre	468				
Scott	090	108	168	561	
Sears	023	030	031	038	039

	068	353	355	356	
Sharp	016	022	023	024	025
	026	027	028	029	393
	395	409			
Signature 2000	023	026	108	211	213
Sony	014	020	021	178	540
Soundesign	091				
Soyo	562				
Squareview	157				
Sunbrite TV	587				
Superscan	419				
Supre-Macy	380				
SVA	592				
Sylvania	068	071	072	090	091
	092	093	107	108	132
	157	158	419	456	466
	590				
Symphonic	047	132	157		
Tatung	044	446			
Techwood	068				
Teknika	023	068	072	091	168
	213	463			
Telerent	023	213			
Tera	381				
Tevion	065	414			
TMK	068	090			
Toshiba	030	031	038	039	423
	571				
Totevision	233				
Trutech	095				
Universal	068	102			
Vidtech	068				
ViewSonic	428	513	515	527	528
	529	530	531	532	533
	534	535	536	537	538
	539				
Viore	031	208	599	601	602
Visco	589				
Vizio	053	062	073	095	454
	538	561	573		
Wards	068	090			
Westinghouse	020	458	463		
White Westinghouse	211	408	449		
XR-1000	213				
Yamaha	068				
York	090	108			
Zenith	047	048	049	050	051
	391	405	406	434	519
	567	577			

VCR Setup Codes

BRAND	CODE				
Admiral	066	075			
Aiwa	132				
Akai	269	275	336	351	352
	354				
Audio Dynamics	243	291			
Bell & Howell	238	357			
Broksonic	333	337	358	359	
Canon	086	362			
Citizen	033	172	247	331	
Colortyme	291				
Craig	172	363			
Curtis Mathes	086	112	247	291	
Daewoo	033	342	343	344	345
	346	347			
Daytron	345	365			
DBX	243	291			
DELL	363				
Dynatech	132				
Emerson	033	086	132	326	327
	331	332	333	334	335
	336	337	338	339	340
	341				
Fisher	035	081	357	363	
Funai	132				
GE	086	170	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	238	243	247
	250	253			
Kenwood	120	132	238	243	247
LG (Goldstar)	247	331			
Lloyd	132				
Logik	367				
LXI	132	331			
Magnavox	086	132	183	552	
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	
MultiTech	132	172	367		
NEC	120	238	243	291	374
	375				
Orion	322	326	327	328	329
	330	604			
Panasonic	086	112	117	430	
Pentax	078				
Philco	086	132	183	552	
Philips	086	132	183	552	
Pioneer	078	120	263		
Portland	345				
ProScan	170	174			
Quartz	238	378			
Quasar	112				
RCA	078	086	132	141	170
	172	173	174		
Realistic	066	132	238	363	
Samsung	172	269	271	275	276
	278	510			
Sansui	120	367	379		
Sanyo	238	346	357	363	
Scott	033	332	367		
Sears	035	078	238	331	363
Sharp	066	075			
Shintom	367				
Signature 2000	066	170	173	373	
Sony	056	058	060	553	
Soundesign	132				
Sylvania	086	132	141	183	322
	324	420			
Symphonic	132				
Tandy	132	238			
Tashiko	331				
Tatung	243				
Teac	132	243			
Technics	086				
Teknika	132	331	359		
Thomas	132				
TMK	338				
Toshiba	033	035	078	081	
Totevision	172	331			
Unitech	172				
Vector Research	291				

Video Concepts	132	291			
Wards	066	132	172	247	331
XR-1000	367				
Yamaha	132	238	243	291	
Zenith	058	120	122	128	132
	435				

DVD / DVR Setup Codes

BRAND	CODE				
Aiwa	495	617	618	685	
Akai	548	584	588		
Alpine	621				
Apex	657	683			
Apex Digital	193	227	489	681	
Audiovox	659				
Axion	491				
B144	146				
Bose	651				
Clarion	622				
Classic	623				
Coby	688				
CyberHome	490	496	498		
Daewoo	494	624			
Denon	201	203	625	626	686
Diamond Vision	566				
DVD-Video	199	484	488		
Dynex	482				
ECA	156				
Emerson	482	526	591		
Expressvu	709				
GE	150	152	156	175	
GOI	709				
Govideo	129	486	652		
Goldstar (LG)	129	133	135	179	260
	568	569			
GPX	627				
Gradiente	212	234	581		
Harman Kardon	256	259			
Haier	600				
Hitachi	149				
Hughes Network System	708				
HTS	709				
Humax	708				
iLo	588				
Insignia	482	588	665		
JVC	177	179	475	476	477

Kenwood	478	653	709	711	
KLH	228	628	677		
	248	252			
Konka	619	620			
Lasonic	656				
LiteOn	499	500			
LG (Goldstar)	129	133	135	179	260
	568	569			
Magnavox	138	143	146	484	550
	564	593	605	676	679
	706	707	708		
Marantz	270				
Matsui	580	581			
McIntosh	554	556			
Memorex	629				
Mintek	432				
Mitsubishi	181	185			
NAD	246				
Nakamichi	645				
Norcent	514				
Onkyo	085	244	687	689	
Orion	603				
Panasonic	115	118	121	124	431
	448	570	646	682	684
	713				
Philips	138	143	146	484	550
	564	593	605	679	679
	706	707	708		
Pioneer	125	187	188	597	615
	647	705			
Polaroid	497				
Proceed	236				
Protron	488				
Qwestar	648				
RCA	658	678	708		
Replay TV	422	713			
Samsung	172	192	224	225	487
	493	509	545	559	576
Sanyo	649	654			
Scientific-Atlanta	675	676			
Sears	559				
Sharp	034	076	077	079	565
	574	575			
Sonic Blue	713				
Sony	040	059	061	436	479
	480	481	578	612	680
	712	714	721	722	
Sylvania	421	484	591		
Techwood	650				

Thomson	156	237	608		
Tivo	418	706	708	712	721
	722				
Toshiba	082	085	087	113	544
	607	609	616	655	723
Viewmage	511				
Yamaha	121	124	210	679	
Yamakawa	485				
Zenith	129	133	135	483	724

Audio Setup Codes

BRAND	CODE				
Compact Disc					
ADC	318				
Aiwa	176	671			
Akai	249	261			
Bose	672				
Carver	155	176			
Crown	154				
Denon	273				
Emerson	673				
Fisher	230	274			
GE	674				
Goldstar (LG)	308				
Harman Kardon	315				
Hitachi	690				
JVC	297	691			
Kenwood	131	176	274	289	299
	692				
Krol	176				
LG (Goldstar)	308				
Magnavox	037	084	119	296	433
	502	504			
Mission	176				
Mitsubishi	245	249	693		
NAD	182	231	290		
Nakamichi	264	319	694		
NEC	235	695			
NSM	176				
Onkyo	300	696			
Panasonic	184	266	437		
Philips	037	084	119	296	433
	502	504			
Pioneer	116	127	697		

Quasar	184				
Radio Shack	186	190	266	279	289
RCA	037	119	295	698	
SAE	176				
Sanyo	230	309			
Scott	186				
Sears	699				
Sharp	288	289			
Sherwood	700				
Sony	067	292	293	611	
Soundesign	148	242	311	320	
STS	318				
Sylvania	084				
Teac	186	701			
Technics	184	208	317		
Toshiba	290				
Yamaha	280	702			

Receiver / Amplifier / Tuner / Home Theater

ADC	318				
Adcom	325				
Aiwa	176	301	521	633	634
	669				
Akai	142				
Bose	302	440	644		
Carver	155	176	180	669	
Daewoo	501				
Denon	262	307	660	661	703
	704	715			
Everquest	136				
Fisher	063	180			
Fosgate Audionics	305				
Goldstar (LG)	036	308			
Harman Kardon	130	257	305	306	669
	716				
Hitachi	240				
Jensen	140	667			
JVC	114	241			
Kenwood	063	176	277	444	
Koss	717	718			
Krol	176				
LG (Goldstar)	036	308			
Linn	669				
Luxman	281				
Magnavox	080	119	184	433	502
	503	504	668	669	670
	718				

Marantz	282	283	284	285	516
	517	518	520	666	669
	670				
McIntosh	557				
Mission	176				
NAD	286				
NSM	176				
Onkyo	126	171	304	543	579
	662	663			
Optimus	142	229	321		
Panasonic	032	074	438	441	638
	639	640	641	642	643
Parasound	323	632			
Philips	080	119	184	433	502
	503	504	668	669	670
	718				
Pioneer	123	137	251	298	719
Quasar	032	184			
Radio Shack	229	267			
RCA	119	439			
Realistic	226	268			
Rotel	310				
SAE	176				
Samsung	492	546			
Sansui	283	669			
Sanyo	195	309			
Scientific Atlanta	312				
Scott	272				
Sharp	294				
Sherwood	229	267	505	506	
Sony	041	057	067	232	287
	292	442	610	635	636
	720				
Soundesign	083	088	148	239	242
	265	311	320		
SSI	313				
STS	318				
Taekwang	142				
Teac	314	316			
Technics	032	184	512	643	
Toshiba	662				
Victor	114	241			
Wards	063	114	241	669	
Yamaha	145	254	280	303	521
	542	579	630	637	
Zenith	036	083	088	239	265

8. Code Number Read-Back

To identify the 3-digit setup codes stored under the Point and Press® programming method, follow these steps :

To identify the TV setup code...

1. Press [TV], then [SEL/OK] together until the [TV] button illuminates.
2. Press [INFO]. The mode buttons will "blink back" the code numbers, with a 1-second interval between each digit of the code. Please note that for the numeric "0", the mode buttons will illuminate blink in fast-sequence.

Example : For code "130", the remote will blink 1 time, then 3 times, then in a fast-sequence for the 0.

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

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

To identify the 3-digit AUDIO code, press [AUD], then [SEL/OK] 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.
- [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 / 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 :

CBL	TV (default), Cable or Audio.
TV	TV (default), Cable or Audio.
VCR	TV (default), Cable or Audio.
DVD	TV (default), Cable or Audio.
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/OK] 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 - [ON DEMAND], [MUSIC], [NEWS], [HELP]

Your remote has 4 Channel Memory Buttons - [ON DEMAND], [MUSIC], [NEWS], [HELP] (may be labeled differently on some models). Depending on your area, these buttons may come pre-tuned to channels selected by your cable operator.

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/OK] 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/OK] together until the [CBL] button illuminates.

2. Press [1]. 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.

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 → AUD → 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 turns 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.

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/OK], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUD → 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 → AUD → 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 [AUD] 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 electronic devices the remote is designed to operate. 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 → AUD → 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 → AUD → 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.

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

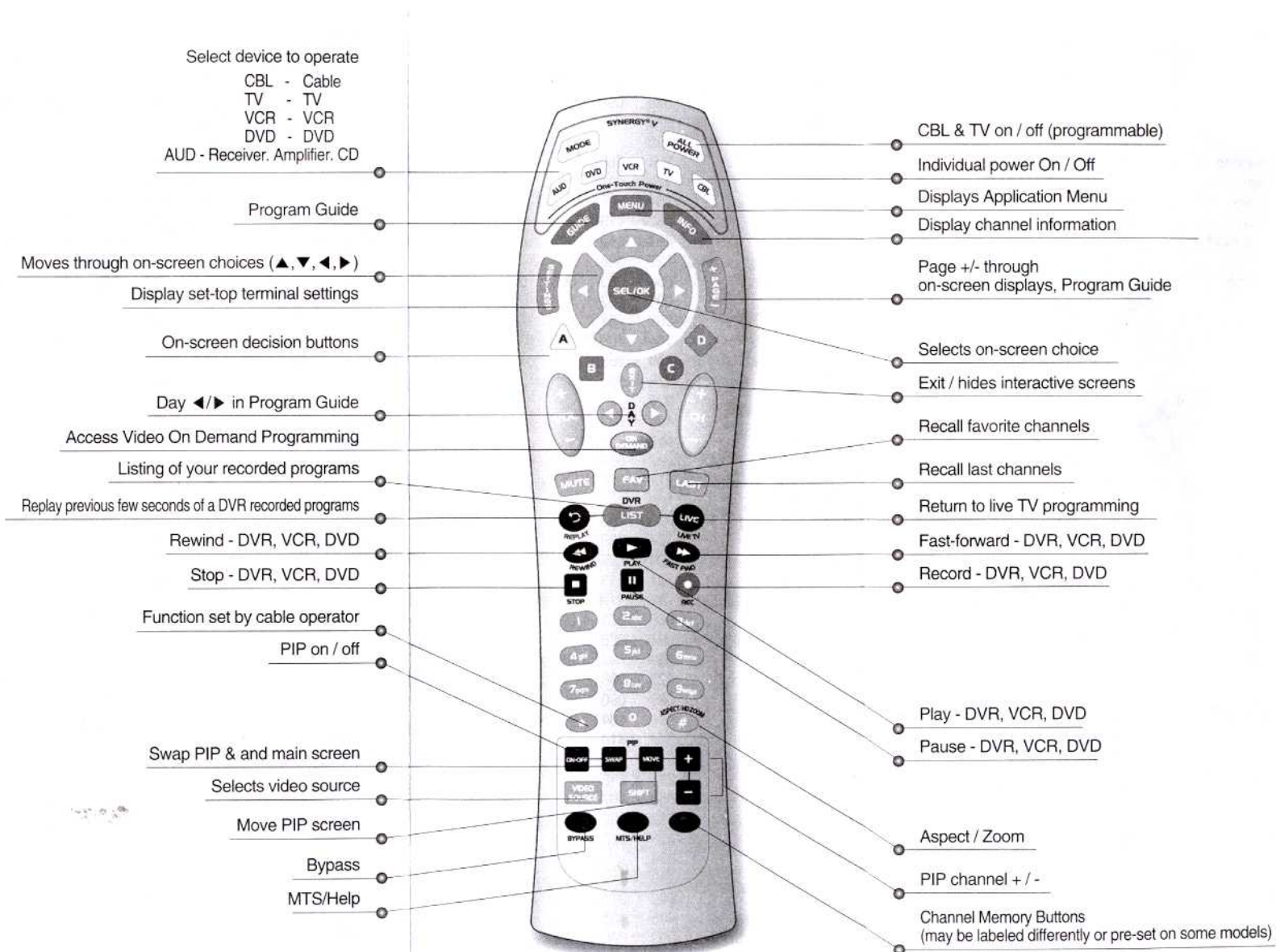
Important : The following diagram shows how to use the buttons on your remote control to operate the DVR and PIP functions of the Motorola DCT 6xxx series DVR set-top terminal. To access these functions, set the remote control to its Cable mode by pressing the [MODE] button, followed by the [CBL] button.

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.



Rev. 06/09

© 2009, Contec, LLC

U.S. Patents # 6,507,306, # 7,109,908, # 7,116,264,

7,324,168, # D491925

Point and Press® Memory Guard® and SmartKey® are registered trademarks of Contec, LLC

Explorer® is a registered trademark of Scientific-Atlanta, Inc.

Voyager® is a registered trademark of Pioneer Digital Technologies, Inc.

Passport® is a trademark of Pioneer Digital Technologies, Inc.