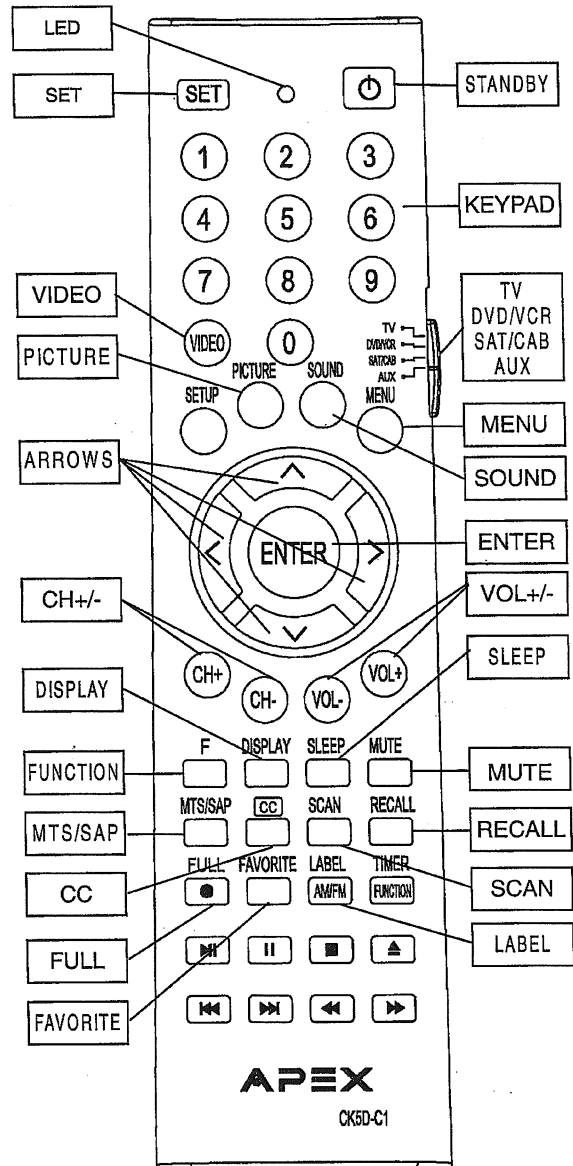


Instruction Manual

Remote Control Features

Led	Indicator light
Set	Used for programming the remote control
Video	Cycles through the Video/TV modes
Picture	Selects the various Picture Modes
Arrows	Used to navigate the TV menus
CH +/-	Used to change the current channel
Display	Brings up the TV/Video display
Function	Used for child lock
MTS/SAP	Selects the MTS Stereo modes among Mono, Stereo and SAP
CC	Activates Closed Captioning
Full	Switches the TV between Wide and Normal modes
Favorite	Sets favorite channels
Standby	Turns on/off the TV
Keypad	Used to select channels by number
TV, DVD/VCR, SAT/CAB, AUX switch	Determines the equipment controlled by the remote
Menu	Accesses the main menu
Sound	Selects the various Sound modes
Enter	Confirms selections or accesses sub menus
VOL +/-	Used to adjust the volume level
Sleep	Activates/Deactivates the sleep timer
Mute	Mutes or restores the TV volume
Recall	Returns to the last channel viewed
Scan	Scans all active channels
Label	Used to label channels



ADDITIONAL FEATURES

Programming the Remote Control

1. Set the **TV, DVD/VCR, SAT/CAB, AUX** switch to the device you want to control
2. To program the remote control
 - 1) Press and hold the SET key for over 3 seconds until the LED indicator on the remote control turns off. Release the key and the LED will light again. The remote control is now in the PROGRAMMING mode.
 - 2) Use the 0-9 keys to enter three-digit code number for your device. If the right code number was entered, the LED blinks three times. If you enter a code not listed below, or you press any other keys than STANDBY and ENTER, the LED turns off.
 - 3) **"TV"**: To control TV . **"DVD/VCR"**: To control DVD, VCR, LD and CD. **"SAT/CAB"**: To control satellite receiver and cable box. **"AUX"**: To control all the above appliances
3. To search codes
 - 1) Press and hold the SET key for over 3 seconds until the LED indicator on the remote control turns off. Release the key and the LED will light again. The remote control is now in the PROGRAMMING mode.
 - 2) Press the STANDBY key and code search begins.

3)

Press	Description
Up or down arrow key	The remote control searches codes upwards or downwards. Each time you press the up or down arrow key, the code number for the STANDBY key increases or decreases by 1; or the code number automatically increases or decreases by 1 per 3 seconds. Try each code separately until you find the one that works. If not after trying all the codes, LED blinks rapidly eight times and search stops.
ENTER	If the desired code number is found, press the ENTER key to confirm the current searched code number for your device. Then LED blinks rapidly three times to exit from search.
Other keys	LED blinks rapidly eight times and search stops.

- 4) When the **TV, DVD/VCR, SAT/CAB, AUX** switch is set to the "AUX" position, the remote control can not search code.
4. To check the current code number
 - 1) Press and hold the SET key for over 3 seconds until the LED indicator on the remote control turns off. Release the key and the LED will light again. The remote control is now in the PROGRAMMING mode.
 - 2) Press the ENTER key.

3) You may read the code number according to the LED display status as follows.

Code Number			LED Display Status		
First-digit	Second-digit	Third-digit	First-digit	Second-digit	Third-digit
0	0	0	Blinks rapidly once	Blinks rapidly once	Blinks rapidly once
1	0	6	Blinks once	Blinks rapidly once	Blinks six times
0	4	3	Blinks rapidly once	Blinks four times	Blinks three times
1	5	0	Blinks once	Blinks five times	Blinks rapidly once

5. To use the REC key
The REC key functions only when it is pressed twice continuously.

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TV CODES

Brand	Code Number	Brand	Code Number
APEX	157,158,159,160,161,162	Megatron	047
Admiral	001,119	Memorex	003,067,068,115,151
Adventura	120	MGA	004,013,014,015,040,065,067
Aiko	011	Midland	042,110,124
Akai	002	Minutz	041
Alleron	036	Mitsubishi	004,013,014,015,040,065,066,067,097
Amtron	030	Montgomery Ward	068
Anam National	030,133,134,135,154	Motorola	119,154
AOC	003,004,005,136	MTC	004,084
Audiovox	030	NAD	058,059,128
Bell & Howell	001,068,115	NEC	004,070,014,139,154
Belcor	003	Nikko	011
Bradford	030	NTC	011
Brokwood	003	Optimus	128
Candle	003,005,006,120	Optonica	077,119
Celebrity	002	Orion	027,145
Citizen	003,005,006,011,030,084,120,121	Panasonic	042,050,148,150,154
Colortyme	003,005,007,139	Philco	006,008,013,055,056,061,063,069,126,127 152,154
Concerto	003,005	Philips	006,008,013,055,056,061,062,071,072,073,154
Contec/Cony	008,009,030	Pioneer	074,075,122,128,149
Craig	030	Portland	011
Curtis Mathes	000,003,005,010,084,115	Price Club	084
Daewoo	004,005,011,012,098,099,132,141	Prism	042
Daytron	005	Proscan	000,124
Dimensia	000	Proton	008,076,129
Dumont	110	Pulsar	110
Electroband	002	Quasar	042,057,148
Electrohome	013,014,015,154	Radio Shack	000,038,077,115
Emerson	008,016,017,018,019,020,021,022,023,024 025,026,027,028,029,030,031,032,033,034 035,036,037,096,115,121,122,145,154	RCA	000,078,079,080,081,082,124,130,132,141,142
Fisher	038,039,040,115,123	Realistic	038,077,115
Fujitsu	036	Runco	110
Funai	036	Samsung	010,012,014,083,084,140,143
GE	000,015,041,042,043,072,116,117,118, 124,147,154	Sansui	145
Goldstar	004,008,013,014,044,045,046,113	Sanyo	038,039,065,085,123
Gibraltar	110	Scott	017,027,036
Grundig	036	Sears	009,014,036,038,039,040,054,058,059,086,087 123,124,131
Hitachi	008,009,047,048,049,103,104,105,106, 107,108,109,122,137,138	Sharp	022,077,088,089,090,091,095,119
Infinity	050	Signature	001,068,151
Janeil	120	Simpson	006
JBL	050	Sony	002,144,153
JC Penney	000,004,006,015,041,042,046,051,052, 059,072,084,124,140	Soundesign	006,036
JCB	002	Squareview	131
JVC	008,009,042,048,053,054,114,125	Supre-Macy	120
Kawasho	002	Supreme	002
Kenwood	013,014	Sylvania	055,056,061,062,063,069,073,092,126,127,152
Kloss Novabeam	055,056,120,126	Symphonic	131,155
KTV	057,121	Tandy	119
Loewe	050	Tatung	122
Logik	068,151	Technics	042
LXI	000,038,050,058,059,060,115,124	Teknika	009,011,062,067,068,084,151
Magnavox	006,013,050,055,056,061,062,063, 069,073,100,101,102,126,127,152	Tera	129
Majestic	068	Toshiba	038,058,059,084,086,140
Marants	050	Universal	041,072
Marantz	050,064	Victor	054,125
		Viking	120
		Wards	001,017,041,055,056,061,062,068,069,072,073 077,093,094,127,155
		Zenith	110,111,112,146,151

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DVD CODES

Brand	Code Number	Brand	Code Number
APEX	362,363,364,365,366,367,368,369,370,435,436,437	Philips	347,355,356,357
Aiwa	351	Pioneer	345,350
Hitachi	352	Proscan	349
JVC	348,353	RCA	349
Magnavox	347	Sanyo	358
Mitsubishi	346	Sony	344,359,360
Panasonic	354,361	Toshiba	343

VCR CODES

Brand	Code Number	Brand	Code Number
Admiral	415	Magnavox	385,386,399,403
Aiwa	382,427,428	Marantz	375,376,378,385,399,403,416
Akai	392,421	Marta	418
Amstrad	382	MEI	403
APEX	438	Memorex	373,382,403,415,418,420
ASA	399	MGA	372,387,398,423
Audio Dynamics	376,416	Minolta	384,389
Audiovox	418	Mitsubishi	372,374,387,394,398,400,423
Broksonic	417,419	Motorola	415
Bush	381	MTC	382,420
Calix	418	Mutitech	379,381,382,420
Candle	378,418	NEC	375,376,378,392,394,400,406,416
Canon	403,404	Nikko	418
Capeheart	391	olympus	424
Carver	385	Optimus	415,418
CCE	421	Optonica	388
Citizen	378,379,418,421	Panasonic	377,390,403,407,408
Craig	373,379,418	Pentax	378,384,389
Curtis Mathes	374,378,403,414	Perdio	382
Daewoo	391,405,419,421,422	Philco	385,386,403
Daytron	391	Philips	385,388,399,403
DBX	376,416	Pilot	418
Dimensia	425	Pioneer	376,384,394,400,416
Dynatech	382	Portland	391
Electrohome	372,418,423	Proscan	374,414
Electroponic	418	Quasar	396,397,403
Emerson	372,380,382,387,417,418,419,423	Radio Shack	371,372,373,383,388,415,418,420,423
Fisher	371,373,382,383,393	Radix	418
Funai	419	Randex	418
GE	374,379,403,414	RCA	374,379,384,389,407,414
Go Video	401,402,429	Realistic	382,383,388,403,415,418,420,423
Goldstar	378,418,421	Ricoh	411
Goodmans	381	Salora	398
Gradiente	420	Samsung	379,405
Grundig	399	Sanky	415
Harley Davidson	420	Sansui	376,392,394,395
Harman Kardon	406	Sanyo	373
Hinari	381	SBR	399
Hitachi	382,384,389,392	Schneider	381
Instant Replay	426	Scott	380,387,417,419
JC Penney	375,376,379,389,392,403,406,416,418	Sears	371,373,383,384,389,393,418
Jensen	384,392	Sharp	372,378,423
JVC	375,376,378,392,394,400,416	Shintom	381
Kenwood	375,376,378,392,394,400,416	Sony	409,410,411,412,413
Kodak	418	STS	389
Lloyd	382,420	Sylvania	382,385,386,387,398,403,420
Logik	381	Symphonic	382,420
LXI	418,430,431,432,433,434	Tandy	382

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VCR CODES

Brand	Code Number	Brand	Code Number
Tashiko	382,418	Victor	376,400
Tatung	375,392,395	Videosonic	379
Teac	375,382,392,420	Video Concepts	376
Technics	390,403	Wards	372,373,379,380,381,382,384,388,389,403,415,418,420,423
Teknika	382,403,418,420	XR-1000	420
Toshiba	380,383,384,387,398,405	Yamaha	375,376,378,392,406
Totevision	379,418	Zenith	412,413
Vector Research	376,406		

LD CODES

Brand	Code Number	Brand	Code Number
Magnavox	336	Pioneer	342
Panasonic	340,341	Sony	337,338,339

CD CODES

Brand	Code Number	Brand	Brand	Code Number
ADC	317	Luxman		332
ADO	318	Marantz		308,333
Aiwa	300,319	MCS		334
Akai	320	Mitsubishi		335
Denon	322	NEC		307
Dynatech	301	Onkyo		309
Emerson	302	Panasonic		310
Fisher	303,325,326	Pioneer		311
GE	327	RCA		312,324
Hitachi	304	Sears		321
Inkel	328	Sony		313,323
JVC	305,329	Technics		314
Kenwood	306,330,331	Yamaha		315,316

CABLE BOX CODES

Brand	Code Number	Brand	Code Number
ABC	508,509,510,511	Philips	514
ChangHong	500	Pioneer	503,504,517
General Instrument	525	RCA	524
hamlin	541,542,54+5,546,547	Scientific Atlantic	504,505,518,519
Hytex	508	StarCom	511
Jerrold	506,510,511,512,513,520,525,548,549,550	Tocom	509,512
Movie Time	515	TV86	515
NSC	515	United Artists	508
Oak	501,508,516	Viewstar	514,515
Panasonic	502,507,544	Zenith	504,521,522,523

SATELLITE CODES

Brand	Code Number	Brand	Code Number
GE	528,531,532	Panasonic	543
General Electric	526	Philips	536
Hitachi	534,535	Proscan	528,531,532
Hughes	537,538	RCA	528,531,532,540
JVC	533	Sony	529,539
Magnavox	536	Toshiba	527,530

AMPLIFIER CODES

Brand	Code Number	Brand	Code Number	Brand	Code Number
Aiwa	702	Memorex	704	Sony	702,705
ChangHong	700,701	Panasonic	710	Techniques	710
Carver	709	Pioneer	703,704	Toshiba	711
Fisher	709	Proton	708	Victor	706
JVC	706,712	Quasar	710		
Magnavox	708	RCA	707,713		