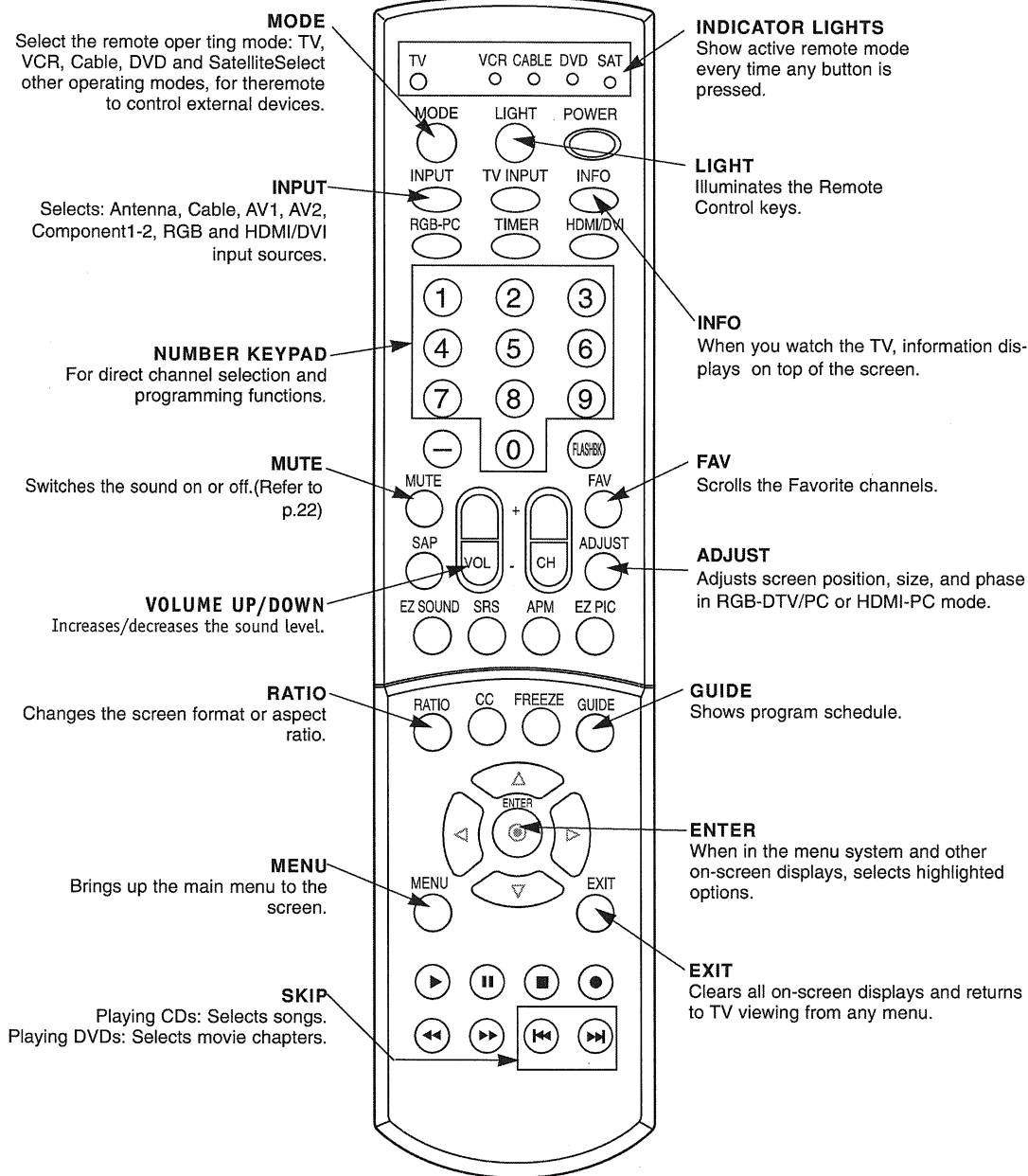
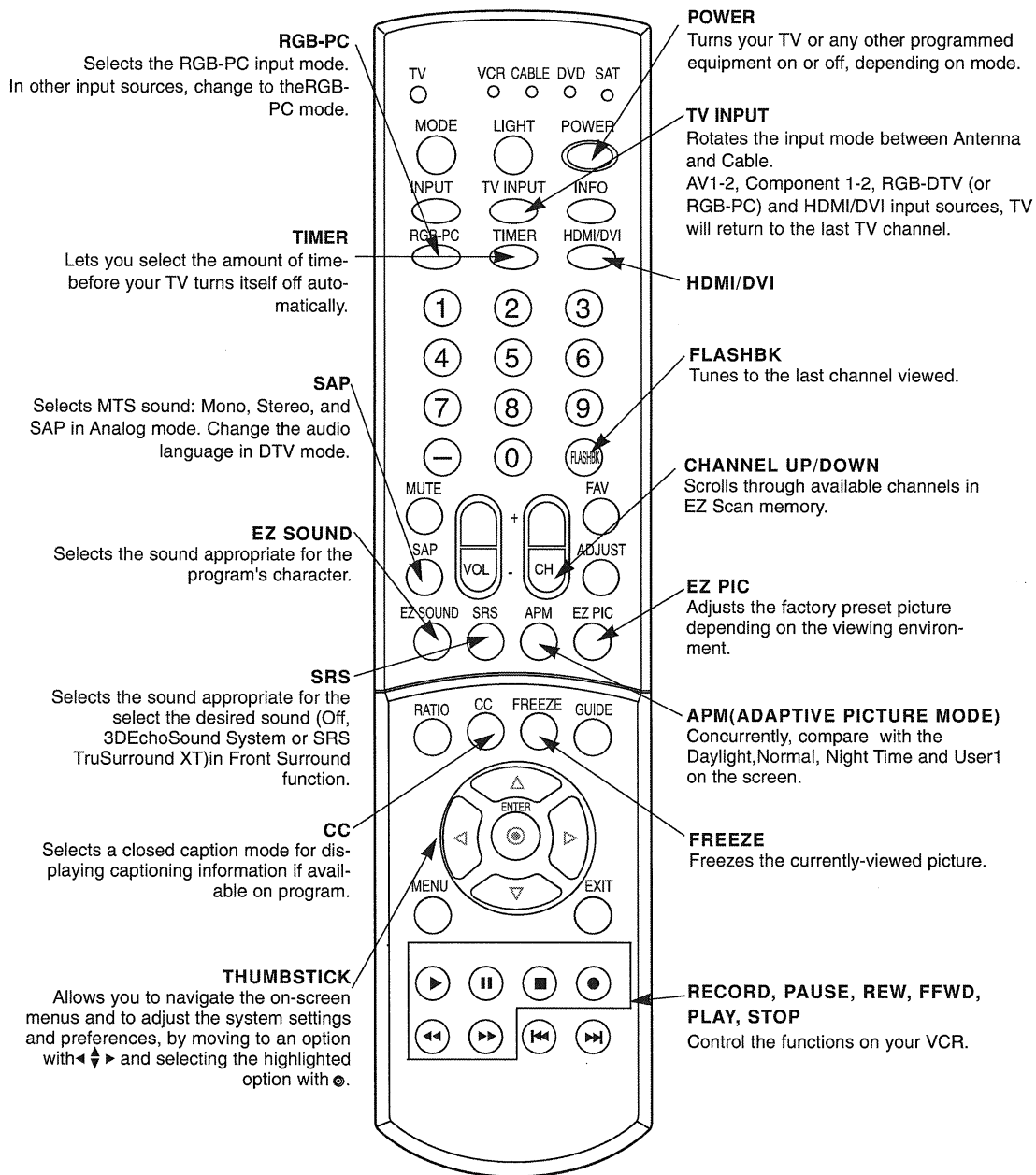


Remote Control Key Functions

- When using the Remote Control, aim it at the remote control sensor on the TV.

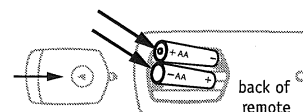


Remote Control Key Functions



Installing Batteries

- Open the battery compartment cover on the back side and install the batteries matching correct polarity (+ with +, - with -).
- Install two 1.5V AA batteries. Don't mix old or used batteries with new ones. Close cover.



Programming the Remote

The Remote Control for your HD receiver is a multi-brand or universal Remote Control that can be programmed to operate most remote-controllable devices of other manufacturers.

Note: The Remote Control may not be able to control all models of other brands.

1. Test your Remote Control.

To find out whether your remote control can operate the device without programming, turn on the device such as a the VCR and press the corresponding mode button (VCR) on the remote control while pointing at the device. Test the **POWER** and **CH +/-** buttons to see if the device responds properly. If not, the remote requires programming to operate the device.

2. Turn on the device to be programmed. Then press the corresponding mode button on the Remote Control.

3. Press the **POWER** button and the **MUTE** button simultaneously. Now the Remote Control is ready to program the code for the corresponding device.

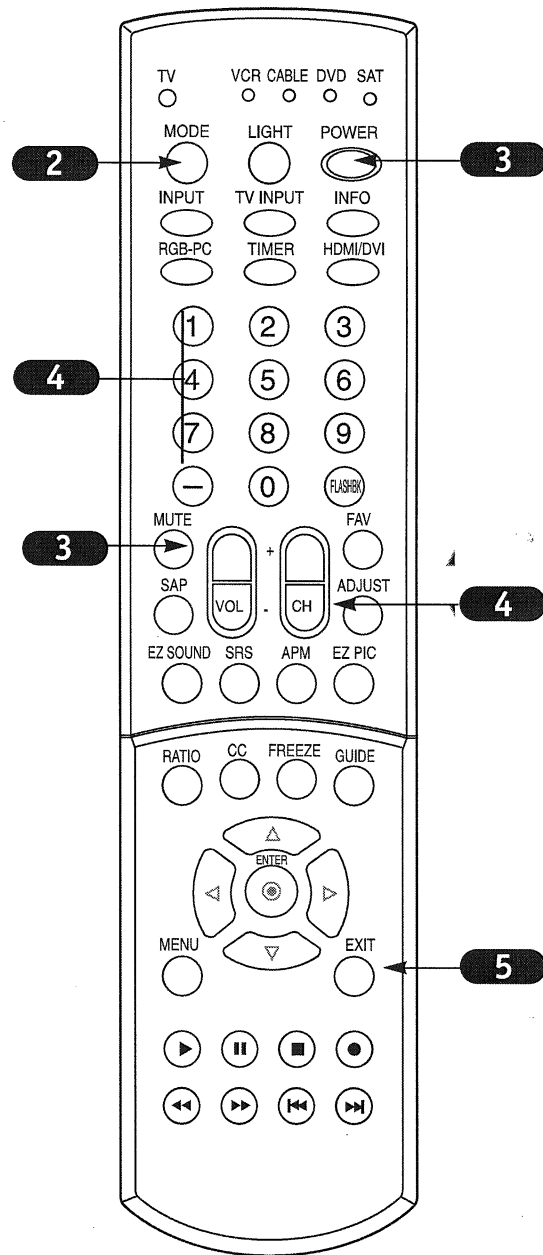
4. There are two ways to find the right code for the device.

A. If you press the **CH +/-** buttons repeatedly, the codes will change one at a time. Press the **POWER** button after each code change. If the right code is found, the device will turn off.

B. Enter a code number using the number buttons on the Remote Control. The right code numbers for the corresponding component can be found on the following pages. Again, if the code is correct, the device will turn off.

5. Press the **EXIT** button to store the program.

6. Test the Remote Control functions to see if the device responds properly. If not, repeat from step 2.



Programming Codes

TVs

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
A MARK	112 143	GOLDSTAR	004 102 106		019 024 040	Sharp	004 014 019
ADMIRAL	072 081 161		110 112 113		056 130 132		022 028 029
AKAI	006 146		116 119 122		134		081 143 170
AMPRO	073 167		127 137 143	NIKEI	043		175
AMSTRAD	052	HALL MARK	004 116	ONKING	043	SIEMENS	088
ANAM	043 054 056	HITACHI	004 006 009	ONWA	043	SIGNATURE	072
	080 104 108		010 011 012	OPTONICA	019 081	SONY	041 070 079
	112 115 118		023 041 075	PANASONIC	034 056 080		085 126 139
	121 131		143 158 163		092 164		147 185
AOC	004 006 058		166	PHILCO	003 004 006	SOUNDESIGN	003 004 028
	112	INFINITY	164		024 043 056		043 116
BLAUPUNKT 088		INKEL	129		059 060 063	SPECTRICON 112	
CANDLE	002 003 004	JBL	164		064 127 143	SSS	004 043
	006	JCPENNY	004 006 008		164	SUPRE MACY	002
CAPEHART	058		009 024 030	PHILIPS	003 004 005	SYLVANIA	003 004 006
CETRONIC	043		065 101 143		006 038 059		044 059 060
CITIZEN	002 003 004		156 160		070 093 143		063 064 116
	006 043 101	JENSEN	013		160 164		127 140 160
	103 143	JVC	034 038 070	PIONEER	006 018 023		164
CLASSIC	043		083 145		025 027 116	TANDY	081
CONCERTO	004	KEC	043		135 176	TATUNG	056 062
CONTEC	039 043 050	KENWOOD	006 070	PORTLAND	004 143	TECHNICS	034 080 084
	051	KLOSS	002 059	PROSCAN	144 160 161	TECHWOOD	004
CORONADO	143	KMC	143		165 167	TEKNIKA	002 003 004
CRAIG	043 054	KTV	006 043 143	PROTON	004 058 116		006 024 028
CROWN	043 143		154		131 143 171		031 043 072
CURTIS MATHES	004 006 101	LG	255		173		077 101 103
	116 143	LOGENET	072	QUASAR	034 056 092		143
CXC	043	LOGIK	072	RADIO SHACK	019 043 047	TELEFUNKEN037 046 086	
DAEWOO	004 016 017	LUXMAN	004		116 127 143	087	
	043 044 055	LXI	007 015 052	RCA	004 006 023	TELERENT	072
	071 076 103		081 160 164		024 056 065	TERA	172
	107 111 114		166		074 144 152	TMK	004 116
	117 120 123	MAGNAVOX	003 004 006		156 160 161	TOSHIBA	007 015 030
	125 127 128		022 059 060		165		040 051 062
	136 143		061 063 064	REALISTIC	007 019 043		101 138
DAYTRON	004 116 143		127 143 160		047	TOTEVISION	143
DYNASTY	043		164	ROCTEC	186	UNIVERSAL	008 009
DYNATECH	062	MARANTZ	006 077 164	RUNCO	168 169	VIDEO CONCEPTS	146
ELECTROHOME	024 077 143	MATSUI	164	SAMPO	004 006 058	VIDIKRON	174
EMERSON	004 005 006	MEMOREX	004 007 072		116	VIDTECH	004 116
	028 043 047		116	SAMSUNG	004 050 089	WARDS	004 008 009
	048 050 051	METZ	088		101 105 113		019 028 060
	096 116 143	MGA	004 006 024		116 127 133		061 063 064
	151 153 154		028 042 049		137 143 160		072 074 116
	155		077 116	SANYO	007 020 021		143 164
FISHER	007 057	MINERVA	088		033 039 053	YAMAHA	004 006
FUNAI	028 043	MITSUBISHI	004 006 024			YORK	004 116
FUTURETECH	043		028 040 042	057 082 166	SCOTT	YUPITERU	043
GE	004 006 008		109 116 124	004 028 043		ZENITH	001 072 073
	009 034 056		146	048 116 143	SEARS		095 103 157
	073 074 091	MTC	004 006 062	004 007 015		ZONDA	112
	116 130 144		101	028 030 057			
	155 160 161	NAD	015 025	082 094 101			
	165	NEC	006 007 016	116 143 160			

SAT

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
ALPHASTAR DSR	123	GENERAL INSTRUMENT	003 004 016	PERSONAL CABLE	117	VIEWSTAR	115
AMPLICA	050		029 031 059	PHILIPS	071	WINEGARD	128 146
BIRDVIEW	051 126 129		101	PICO	105	ZENITH	001 081 082
BSR	053	HITACHI	139 140	PRESIDENT	019 102		083 084 091
CAPETRONICS	053	HOUSTON TRACKER	033 037 039	PRIMESTAR	030 110 111		120
CHANNEL MASTER	013 014 015		051 057 104	PROSAT	072		
	018 036 055	HUGHES	068	RCA	066 106		
CHAPARRAL	008 009 012	HYTEK	053	REALISTIC	043 074		
	077	JANIEL	060 147	SAMSUNG	123		
CITOH	054	JERROLD	061	SATELLITE SERVICE CO	028 035 047		
CURTIS MATHES	050 145	KATHREIN	108		057 085		
DRAKE	005 006 007	LEGEND	057	SCIENTIFIC ATLANTA	032 138		
	010 011 052	LG	255	SONY	103		
	112 116 141	LUTRON	132	STARCAST	041		
DX ANTENNA	024 046 056	LUXOR	062 144	SUPER GUIDE	020 124 125		
	076	MACOM	010 059 063	TEECOM	023 026 075		
ECHOSTAR	038 040 057		064 065		087 088 090		
	058 093 094	MEMOREX	057		107 130 137		
	095 096 097	NEXTWAVE	028 124 125	TOSHIBA	002 127		
	098 099 100	NORSAT	069 070	UNIDEN	016 025 042		
	122	PACE SKY SATELLITE	143		043 044 045		
ELECTRO HOME	089	PANASONIC	060 142		048 049 078		
EUROPLUS	114	PANSAT	121		079 080 086		
FUJITSU	017 021 022				101 135 136		
	027 133 134						

Audio

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
APEX DIGITAL	022		025	PHILIPS	013	THOMPSON	005 006
DENON	020 014	MAGNAVOX	013	PIONEER	004 026	TOSHIBA	019 008
GE	005 006	MARANTZ	024	PROCEED	021	YAMAHA	009 018
GOLDSTAR	010 016 025	MITSUBISHI	002	PROSCAN	005 006	ZENITH	010 016 025
HARMAN KARDON	027	NAD	023	RCA	005 006		
JVC	012	ONKYO	008 017	SAMSUNG	011 015		
LG	001 010 016	PANASONIC	003 009	SONY	007		

DVD

Brand	Codes	Brand	Codes	Brand	Codes	Brand	Codes
APEX DIGITAL	022	MAGNAVOX	025	PHILIPS	013	THOMPSON	005 006
DENON	020 014	MARANTZ	013	PIONEER	004 026	TOSHIBA	019 008
GE	005 006	MITSUBISHI	024	PROCEED	021	YAMAHA	009 018
GOLDSTAR	010 016 025	NAD	002	PROSCAN	005 006	ZENITH	010 016 025
HARMAN KARDON	027	ONKYO	023	RCA	005 006		
JVC	012	PANASONIC	008 017	SAMSUNG	011 015		
LG	001 010 016		003 009	SONY	007		