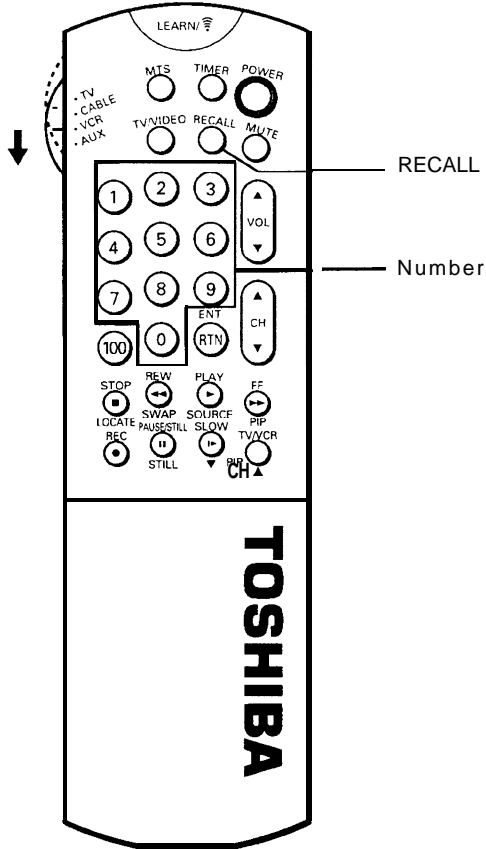


PROGRAMMING THE REMOTE CONTROL

- This Remote Control is preprogrammed to operate TOSHIBA VCR's.
- To use VCR's other than Toshiba models (or Cable converter), perform the following procedures before operating.



TO CONTROL OTHER BRANDS OF VCR'S AND CABLE TV CONVERTERS

1 Refer to the " *VCR code table*" (or "Cable *TV converter code table*") on pages 16 and 17 to find the code number that corresponds to the brand name of your VCR (or your converter).

If more than one number is listed, try each one separately until you find the one that works.

2 Set the TV/CABLE/VCR/AUX switch to VCR (or CABLE).

3 Hold down RECALL while pressing the **Number** buttons for the three digit code number for your brand of VCR (or converter). The transmit indicator lights up for 1 second when the programming is completed.

When an operation error has occurred, the indicator blinks. Press **RECALL** again to reset.

4 Point the Remote Control at the VCR (or at the converter) and press **POWER** to test the code number.

- If the right number was entered, the VCR should turn on.
- If the VCR does not respond to the Remote Control, repeat steps 1 to 4 with another code number.

Notes:

- You have to reprogram the Remote Control when you change its batteries.
- Some newer VCR's are capable of working on either of two remote codes. These VCR's have a switch labeled "VCR1/VCR2". If your VCR has this kind of switch, and does not respond to all the code numbers for your VCR brand name, set the switch to another position ("VCR1" or "VCR2") and reprogram the Remote Control.

For future reference, write the code you used.

VCR CODE: _____

CABLE CODE: _____

PROGRAMMING THE REMOTE CONTROL (Continued)

- The code numbers listed below are the newest ones at the time of printing. New code numbers may or may not have been added since printing.

VCR code table

BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Aiko .....	.297	Goodmans	019,039,056,081, 09 1,297	Osaki .....	.019,056,091
Aiwa .....	.019	Gradiente.. .....	.019	Otto Versand .....	.100
Akai .....	.060,068,080,125, 261	Graetz.....	.060,123	Pallidium .....	.091
Atba.. .....	.039,228,297	Granada.. .....	.065,100,123	Panasonic .....	.054,096,244
Amstrad .....	.019	Grundig.. .....	.100	Penney.. .....	.054,056,057,059, 061,259
Anitech .....	.091	Harman/Kardon....	.057	Pentax .....	.061,084,124
ASA .....	.056,100	Hem.. .....	.091	Perdio.. .....	.019
Audiovox .....	.056	Hinari.. .....	.091,227	Philco .....	.054
Baird.. .....	.123	Hitachi.. .....	.019,060,061,084, 124	Philips .....	.054,081,100,129
Bell & Howell.....	.123	Imperial.. .....	.019	Phonola.. .....	.100
Broksonic.. .....	.140,203,230	Interfunk.. .....	.100	Pilot .....	.056
Bush .....	.091,228,297	ITT .....	.060,065,123,125	Pioneer.. .....	.086,100
Canon .....	.054	JCL .....	.054	Portland .....	.039
Capehart .....	.039	Jensen.. .....	.060	Proline.. .....	.019
Carver.. .....	.100	JVC .....	.027,060,086	Pulsar.. .....	.058
CCE.....	.091,297	Kendo.....	.125	Pye	100
CGE .....	..019	Kenwood.....	.057,060,065,086	Quartz.. .....	.065
Cimline.. .....	.091	Lloyd .....	..019	Quasar.. .....	.054,115
Condor .....	.039	Loewe.....	.056	Quelle.. .....	.100
Craig.. .....	.066,259	Loeweopta.....	100	Radiola .....	.100
Crown .....	.297	Logik.....	.019,259	RCA .....	.054,061,084,096, 124,168,221
Curtis Mathes .....	.054	Luxor .....	.062,065,125	RCA Unified.. .....	.079
Daewoo.....	.039,064,065,297	LXI .....	.056	Realistic.....	.019,054,056,065, 066,067,081,085, 123,259
Dansai .....	.091	Magnavox.. .....	.019,054,100,129, 168	Rex .....	.060
Daytron .....	.039	Mnests .....	.064,091	Ricoh .....	.053
De Graaf.....	.061	Mrantz. .....	.054,057,081,100	Roadsta r.....	.056,091,259
Decca.....	.019,100	Marta.....	.056	Runco .....	..058
Dual.....	.060	Matsui .....	.227,228	Saba .....	.060
Dumont.....	.019,100,123,124	MEI .....	.054	Saisho .....	.227,228
Dynatech.. .....	.019	Memorex .....	.019,054,056,058, 065,066,067,123	Salora.. .....	.062,065,125
Electronic.. .....	.019	MGA.....	.062,080	Samsung.. .....	.064,259
Emerson.. .....	.019,021,056,080, 140,203,227,228, 230,231,313	Minolta.....	.061,124	Sansui .....	..060.08 6
ESC .....	.297	Mitsubishi .....	.062,080,086,100, 192,233,261	Sanyo. ..	.065,066,123,259
Ferguson.. .....	.060	MTC.. .....	.019,259	SBR .....	.100
Fidelity .....	.019	Multitech.....	.019,091	Scaub Lorenz .....	.019,060
Finlandia .....	.100,123,129	Murphy .....	.019	Schneider.. .....	.019,091,100,129
Finlux .....	..019.061,100,123, 124	NEC .....	..057.059,060,069, 086	Scott .....	.064,140,203,229, 231
First line .....	.062,091	Neckermann .....	.100	Sears .....	..054.056,061,065, 066,073,085,123, 124
Fisher .....	.065,066,073,085, 123	Nikko .....	.056	SEI	100
Frontech.....	.039	Noblex.....	.25 9	Sentra.....	.039
Funai .....	.019	Nokia .....	..060.065,123,125, 259	Sharp.....	.076,081
GE .....	.054,079,084	Nordmende .....	.060	Shintom .....	.091
GEC .....	.100	Optonica .....	.067,081	Siemens .....	.056,123
General .....	.071	Orion .....	.140,227,228	Sinudyne.. .....	.100
Go Video.....	.251,298				
Goldstar. ..	..056.05 7				

Cable TV converter code table

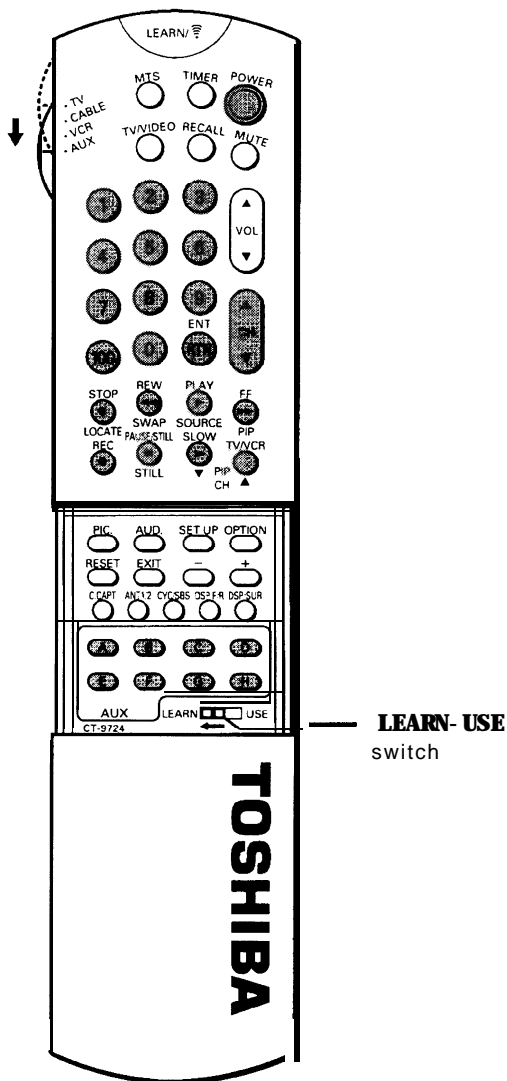
BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER	BRAND NAME	CODE NUMBER
Sony..	.051,052,053,054	ABC	026,030,032,036	Unika .....	.172
STS..	.061	Archer .....	.058,172	United Artists .....	.026
Sunstar..	.019	Century .....	.172	United Cable.....	.022
Sylvania .....	.054,062,100,129	Citizen .....	.172	Universal .....	.058,096,172,210
Symphonic .....	.019	Colour Voice .....	.044,050	Viewstar .....	.046,079
Tashiko..	.019	Comtronics	059,079	Zenith.....	.019
Tatung..	.019,060,100	Eastern .....	.021		
Teac.....	.019,060	Garrard.....	.172		
Technics .....	.054	Gemini .....	.034,089		
Teknika..	.019,054,056,071	General			
Telefunken .....	.060,206	Instrument..	.030		
Tenosal .....	.091	Hamlin.....	.028,039,278,292		
Tensai.....	.019	Hitachi .....	.030		
Thomson.....	.060	Jasco. .....	.172		
Thorn.....	.060	Jerrold..	.022,030,031,033,		
Toshiba .....	.060,062,064,085,		034,043,045		
	229,231,385	Mcom.....	.052		
Totevision .....	.056,259	Magnavox..	.046		
Triumph .....	.227	Memorex .....	.019		
Unitech.....	.259	Movie Time .....	.175		
Universum .....	.019,056,068,100,	NSC	089,175		
	125	Oak	026,038		
Vector Research...	.057.05 9	Panasonic .....	.040		
Victor.....	027,060,086	Paragon.....	.019		
Video Concepts. . . .	.059.08 0	Philips .....	.044,046,047,048,		
Videosonic .....	.259		049,050,079		
Wards.....	.019,054,061,066,	Pioneer..	.163		
	067,081,09	Pulsar .....	.019		
	1,168,231,259	PVP Stereo			
Yamaha.....	.057,060	Visual Matrix. . . . .	.02 2		
Yoko	259	RCA .....	.040		
Zenith .....	.052,053,058	Regal .....	.039,278,292		
		Regency .....	.021		
		Rembrandt..	.089		
		Runco.....	.029		
		Samsung..	.059,163		
		Scientific Atlanta. .	.025,027,036,29 6		
		Signal	-034,059		
		Signature.....	.030		
		SL Marx.....	.059		
		Sprucer .....	.040		
		Standard			
		Components .....	.174		
		Starcom	-022,034		
		Stargate .....	.034,059		
		STS.....	.175		
		Tocom.....	.031,032,078		
		Toshiba .....	.019		

PREPARATION

Programming the Remote Control

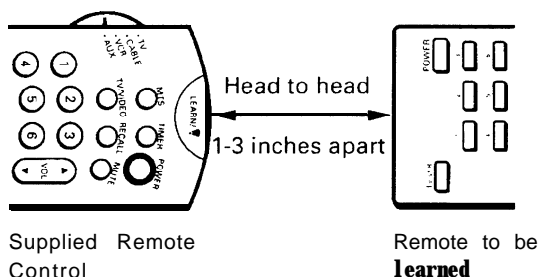
PROGRAMMING THE REMOTE CONTROL (Continued)

- This Remote Control is capable of learning operating codes from most infrared remote control transmitters. You can control the functions of your TV and a variety of video/audio equipment with the supplied Remote Control only.
- The 31 buttons can be used as Learning buttons.



TO LEARN OPERATING CODE OF ANOTHER REMOTE CONTROL

- 1 Set the TV/CABLE/VCR/AUX switch to "AUX".
- 2 Set the LEARN-USE switch to "LEARN" LEARN USE
- 3 Place the supplied Remote Control and the remote control transmitter to be learned, head to head approximately 1 to 3 inches (3 to 8cm) apart.



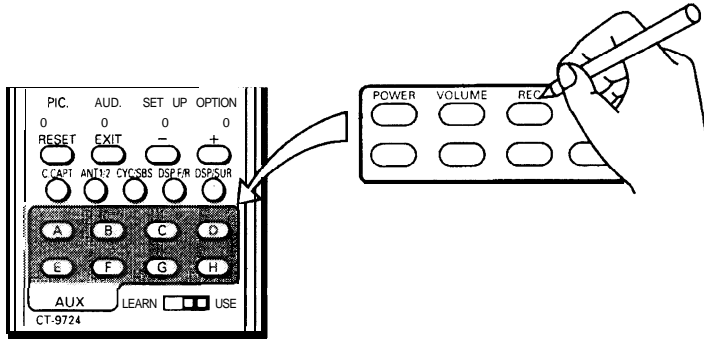
- 4 Hold down the button to **learn** on the supplied **Remote Control** for about 1 second **until the LEARN indicator lights up.** **When you press a button other than a Learning button, the indicator will blink.**
- 5 Hold down the function button to be learned on the remote control transmitter for about 3 seconds until the LEARN indicator goes off.

Note:

If the LEARN indicator **blinks**, the supplied Remote Control cannot learn **the** operating code or **an error has occurred.** Try steps 4 and 5 again.

- 6 Repeat steps 4 and 5 for other function keys.
- 7 Set the LEARN-USE switch to "USE". LEARN USE
- 8 To check your programming, operate the appropriate equipment with the supplied Remote Control. If the equipment does not operate as expected, repeat steps 3 to 7. If needed, try changing the distance between the two remote controls,

- 9** Attach the supplied template to the Remote Control to enter the function names of the AUX buttons you have programmed. Use a ballpoint pen etc. to write the function names.



TO CANCEL THE LEARNED OPERATING CODES

- 1** Set the TV/CABLE/VCR/AUX switch to AUX.
- 2** Set the LEARN-USE switch to LEARN. LEARN USE
- 3** Hold down the button of the function to cancel on the Remote Control for about **1** second until the LEARN indicator lights up.
- 4** Hold down RECALL and RESET at the same time for about 6 seconds until the LEARN indicator goes off after blinking.

Note:

You cannot cancel the programming if you release the button while the indicator is blinking.

- 5** Set the LEARN-USE switch to USE. LEARN USE