

## 3 Using the remote control

### Preparing the remote control for use

Your TV remote control can operate your TV and many other devices such as cable converter boxes, satellite receivers, VCRs, DVD players, and HTIBs (home theater in a box), even if they are different brands.

**If you have a Toshiba device:**

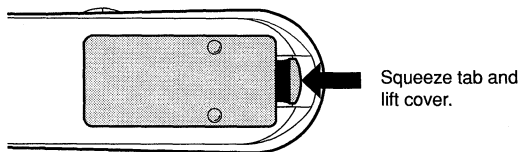
Your TV remote control is preprogrammed to operate most Toshiba devices. See page 27.

**If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate:**

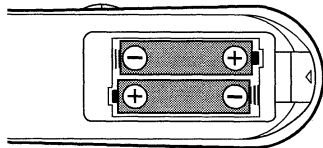
You can program the TV remote control so it will operate the other device. See pages 24–25.

### Installing the remote control batteries

1. Remove the battery cover from the back of the remote control.



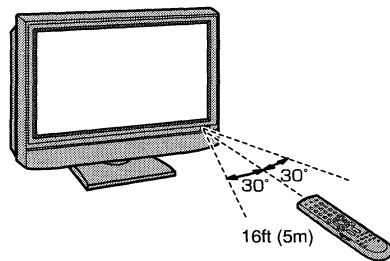
2. Install two "AA" size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.



3. Reinsert the battery cover in the remote control until the tab snaps.

### Remote control effective range

For optimum performance, aim the remote control directly at the TV and make sure there is no obstruction between the remote control and the TV.



**Caution:**

Never throw batteries into a fire.

**Note:**

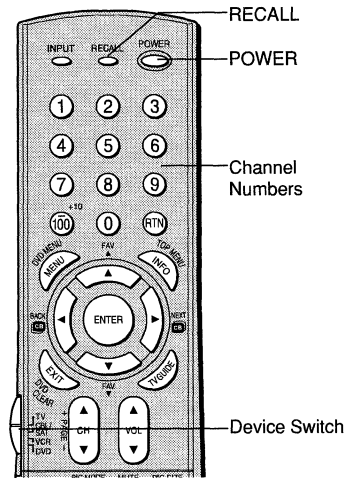
- Be sure to use AA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

## Programming the remote control to operate a cable converter box, satellite receiver, VCR, DVD player, or HTIB (home theater in a box)

Your Toshiba TV remote control is preprogrammed to operate most Toshiba devices. To program your TV remote control to operate a non-Toshiba device (or a Toshiba device that it is not preprogrammed to operate), follow the steps below. For details on using the remote control to operate the device, see pages 26–27.

1. In the remote control code table (below and on the next page), find the code for your device. If more than one code is listed, try each one separately until you find one that works.
2. Set the Device Switch to the type of device you are programming the remote control to operate — CBL/SAT (for a cable converter box or satellite receiver), VCR (for a VCR or TV/VCR combo), or DVD (for a DVD player or HTIB [home theater in a box]).
3. While holding down **RECALL**, press the **Channel Number** buttons to enter the 3-digit code for your device.
4. To test the code, turn on the device, point the remote control at it, and press **POWER**. *See note at right.*
  - If the correct code was entered, the device will turn off.
  - If the device does not respond, repeat steps 1–4 using another code.
  - If the device does not respond to another code, you will need to use the remote control that came with the device.
5. Remember to set the **Device Switch** back to **TV** to control the TV.
6. For future reference, write down the code(s) you used:

DEVICE	CODE	DEVICE	CODE



**Note:**

- In addition to **POWER**, confirm that all necessary keys on the TV remote control operate your device. If some keys are not operational, repeat the device code setup using another code (if other codes are listed for your device). If, after trying all listed codes, the necessary keys do not operate your device, use the device's original remote control.
- Every time you change the batteries, you will need to reprogram the remote control.
- Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR1" or "VCR2") and reprogram the remote control.

## Remote control codes

In some cases you may not be able to operate your device with the TV remote control. Your other device may use a code that is not recognized by the TV remote control. If this happens, use the device's remote control.

<p><b>Cable converter box</b></p> <p>ABC: 061, 062, 063, 082, 084, 087, 091, 092, 096, 098</p> <p>Archer: 065, 092, 097, 099</p> <p>Cableview: 064, 094</p> <p>Century: 092</p> <p>Citizen: 090, 092, 097</p> <p>Contec: 083, 085, 086, 088, 093, 098</p> <p>Diamond: 093</p> <p>Eagle: 091</p> <p>GE: 061, 062</p> <p>Gemini: 069, 070, 094</p> <p>General Instruments: 062, 089, 096</p>	<p>Hamlin: 093</p> <p>Hitachi: 062, 095, 096</p> <p>Jasco: 097</p> <p>Jerrold: 062, 069, 071, 082, 086, 089, 091, 096</p> <p>Magnavox: 072, 096</p> <p>Memorex: 091, 092, 104</p> <p>Multi Canal: 090</p> <p>Novavision: 101</p> <p>Panasonic: 081, 083, 085</p> <p>Philco: 087</p> <p>Philips: 066, 067, 068, 070, 072, 073, 074, 075, 091, 092</p> <p>Pioneer: 076, 077</p> <p>Proscan: 061, 062</p> <p>Radio Shack: 092, 097, 099</p>	<p>RCA: 064, 081</p> <p>Realistic: 065</p> <p>Recoton: 102</p> <p>Samsung: 077, 090</p> <p>Scientific Atlanta: 063, 078, 079, 080, 088, 098, 101, 105</p> <p>Sears: 095</p> <p>Signature: 062</p> <p>Signature 2000: 096</p> <p>Sprucer: 081, 085</p> <p>Starcom: 069, 082, 087, 096, 103, 104</p> <p>Stargate: 069, 090</p> <p>Sylvania: 095, 100</p> <p>TeleView: 090</p> <p>Texscan: 100</p> <p>Tocom: 071, 084, 085</p>	<p>U. S. Electronics: 087, 096, 098</p> <p>United Cable: 082</p> <p>Universal: 065, 092, 097, 099, 102, 103</p> <p>Wards: 096</p>	<p>General Instruments: 010, 011, 012, 023, 031, 049</p> <p>Hitachi: 033</p> <p>Hughes: 033</p> <p>Hughes Network Systems: 019</p> <p>Intersat: 048</p> <p>Jancil: 027</p> <p>JVC: 017, 057</p> <p>Kenwood: 029</p> <p>Magnavox: 060</p> <p>Optimus: 058</p> <p>Pansat: 036, 052</p> <p>Primestar: 015, 042</p> <p>Proscan: 008, 009, 013</p> <p>Radio Shack: 022, 023, 030</p>
<p><b>Satellite receiver</b></p> <p>Alphastar: 038, 059</p> <p>Chaparral: 034</p> <p>DISH Network: 057</p> <p>Drake: 020, 040, 044, 046, 050, 053</p> <p>Echostar: 018, 041, 051</p> <p>Express Vu: 057</p> <p>Fujitsu: 027</p> <p>GE: 008, 009, 013</p>				

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Remote control codes (cont.)

**Satellite receiver (cont.)**

RCA: 008, 009, 013, 016  
 Realistic: 030  
 Samsung: 059  
 Sony: 014, 055  
 Star Choice: 057  
 Star Trak: 025, 026, 037, 054  
 STS: 024  
 Toshiba: 000, 001, 002, 003, 004, 005, 006, 007, 020, 031, 056  
 Uniden: 021, 028, 030, 032, 035, 039, 043, 045, 047, 058  
 Zenith: 027

**TV/VCR Combo**

Action: 078  
 GE: 059, 062  
 Goldstar: 065  
 Panasonic: 065  
 Precision: 078  
 Quasar: 065  
 Realistic: 079  
 Sony: 074  
 Toshiba: 057  
 Totevision: 009, 010, 065  
 Zenith: 065

**DVD/VCR Combo**

Go Video:  
 DVD=087, VCR=081  
 JVC:  
 DVD=088, VCR=082  
 RCA:  
 DVD=089, VCR=083  
 Samsung:  
 DVD=090, VCR=084  
 Sanyo:  
 DVD=091, VCR=085  
 Zenith:  
 DVD=092, VCR=086

**DVD player**

Aiwa: 006, 015  
 Apex: 016, 017  
 BOSE: 097  
 Broksonic: 018  
 Clarion: 019  
 Classic: 020  
 Daewoo: 021  
 Denon: 022, 023, 024, 025  
 Emerson: 026, 027  
 Fisher: 028  
 Funai: 027  
 GE: 001, 029, 030  
 Go Video: 087

GPX: 031  
 Hitachi: 005, 032, 033, 034, 035  
 JVC: 003, 007, 036, 042, 088  
 Kenwood: 037  
 Konka: 008, 009  
 Magnavox: 004, 038  
 Memorex: 039  
 Mintek: 040  
 NAD: 026  
 Nakamichi: 041  
 Norcent: 043  
 Onkyo: 044  
 Oritron: 058  
 Panasonic: 010, 045, 046, 047, 048, 049, 050  
 Philips: 004, 051  
 Pioneer: 052, 053, 054, 055  
 Proscan: 001, 056  
 Qwestar: 057, 058  
 RCA: 001, 002, 059, 089  
 Sampo: 060  
 Samsung: 061, 062, 086, 090  
 Sansui: 073  
 Sanyo: 063, 091  
 Sharp: 064, 067  
 Sherwood: 074  
 Sony: 011, 012, 065, 066, 068, 069, 070  
 Sylvania: 027  
 Teac: 071  
 Technics: 072  
 Techwood: 075  
 Toshiba: 000, 013, 076, 077, 078  
 Yamaha: 079, 080, 081  
 Zenith: 014, 082, 092

**Portable DVD player**

Aiwa: 093  
 Audiovox: 094, 095  
 Panasonic: 024, 096, 099  
 RCA: 098

**VCR**

Admiral: 049  
 Aiko: 019  
 Aiwa: 018  
 Akai: 003, 004, 037, 038, 039, 058, 069  
 Audiovox: 010  
 Bell & Howell: 007, 068  
 Broksonic: 008, 017  
 Calix: 010  
 Carver: 026  
 CCE: 019  
 Citizen: 009, 010, 011, 012, 013, 014, 015, 019, 057, 073

Colortyme: 005  
 Craig: 009, 010, 016, 061, 065, 079  
 Curtis Mathes: 001, 005, 009, 012, 014, 040, 048, 053, 056, 057  
 Daewoo: 011, 013, 015, 017, 018, 019, 057, 078  
 Daytron: 078  
 Denon: 063  
 Dimensia: 001, 048  
 Electrohome: 010, 020, 065  
 Emerson: 003, 008, 010, 011, 017, 018, 020, 028, 039, 054, 057, 062, 065, 068, 072  
 Fisher: 007, 016, 021, 022, 023, 057, 064, 068, 070, 071, 079  
 Fuji: 004, 041  
 Funai: 018, 073  
 Garrard: 018  
 GE: 001, 002, 009, 040, 042, 048, 056  
 Go Video: 056, 059, 061, 081  
 Goldstar: 005, 010, 014, 054, 056, 065, 067  
 Gradiente: 018, 065  
 Harman Kardon: 005  
 Hitachi: 024, 025, 035, 037, 042, 063, 070, 080  
 JBL: 076  
 JC Penney: 005, 006, 007, 008, 009, 010, 023, 024, 025, 026, 035, 056, 061, 063, 065  
 Jensen: 024, 025, 037  
 JVC: 005, 006, 007, 014, 037, 043, 062, 063, 068, 082  
 Kenwood: 005, 006, 007, 012, 014, 037, 043, 053, 068, 071  
 Kodak: 010  
 LG: 010  
 Lloyds: 053, 073, 079  
 Logik: 061  
 LXI: 010  
 Magnasonic: 061, 065, 078  
 Magnavox: 026, 027, 034, 044, 057, 061, 072  
 Marantz: 005, 006, 007, 012, 014, 026, 053, 067

Memorex: 007, 009, 010, 016, 018, 034, 049, 063, 065, 066, 068, 075, 079  
 MGA: 020, 028, 039  
 MGN: 056  
 Minolta: 024, 025, 035, 063  
 Mitsubishi: 020, 024, 025, 028, 039, 043, 065  
 Montgomery Ward: 049  
 Motorola: 049  
 MTC: 009, 046, 061  
 Multitech: 009, 012, 018  
 NEC: 005, 006, 007, 012, 014, 037, 043, 053, 054, 067, 070  
 Nikko: 010  
 Noblex: 009  
 Optimus: 010, 049, 065  
 Optonica: 031  
 Orion: 054, 057, 062, 065, 068, 072  
 Panasonic: 036, 045, 046, 057, 061, 072, 079  
 Pentax: 012, 024, 025, 035, 042, 053, 063  
 Pentex Research: 014  
 Philco: 026, 027, 063  
 Philips: 026, 031, 044, 057  
 Pioneer: 006, 024, 043, 055  
 Portland: 012, 013, 015  
 Proscan: 001, 002, 048  
 Proton: 061  
 Quasar: 045  
 Radio Shack: 010, 031, 065  
 Radio Shack/Realistic: 007, 009, 010, 016, 018, 020, 021, 022, 031, 049  
 Radix: 010  
 RCA: 001, 002, 003, 009, 024, 025, 029, 035, 040, 042, 045, 048, 055, 056, 063, 071, 083  
 Realistic: 007, 009, 010, 011, 016, 018, 020, 021, 022, 031, 049, 051, 056, 060, 065, 075, 079  
 Ricoh: 047  
 Runco: 034  
 Samsung: 009, 011, 038, 056, 073, 084  
 Sansui: 006, 037, 043, 061

Sanyo: 007, 009, 016, 054, 064, 068, 071, 075, 079, 085  
 Scott: 008, 011, 017, 028, 030, 057, 065, 072  
 Sears: 007, 010, 016, 021, 022, 023, 024, 025, 035, 053, 057, 063, 064, 065, 068, 071, 075, 079  
 Sharp: 013, 020, 031, 049, 051, 060, 066  
 Shintom: 004, 025, 032, 061  
 Signature: 049  
 Signature 2000: 075  
 Singer: 047, 061  
 Sony: 004, 032, 033, 041, 052, 058, 070, 074, 076, 077, 080  
 STS: 035  
 Sylvania: 018, 026, 027, 028, 044, 072  
 Symphonic: 018, 051, 053, 073, 079  
 Tandy: 007  
 Tashiko: 010  
 Tatung: 037  
 Teac: 018, 029, 037  
 Technics: 036  
 Teknika: 010, 018, 065  
 Toshiba: 000, 011, 021, 023, 024, 028, 030, 039, 057, 074, 078, 079  
 Totevision: 009, 010, 065  
 Unitec: 073  
 Unitech: 009  
 Vector Research: 005, 006, 011, 012, 053  
 Video Concepts: 005, 006, 011, 012, 039, 053  
 Wards: 009, 010, 011, 016, 018, 020, 024, 025, 031, 035, 049, 051, 056, 057, 060, 065, 066, 079  
 White Westinghouse: 073  
 XR-1000: 018  
 Yamaha: 005, 006, 007, 014, 037, 053  
 Zenith: 004, 032, 034, 041, 047, 069, 086

**HTIB**

Lasonic: 083  
 Panasonic: 084  
 Venturer: 085

## Using the remote control to operate a cable converter box, satellite receiver, VCR, DVD player, or HTIB (home theater in a box)

If you have a non-Toshiba device or a Toshiba device that the remote control is not preprogrammed to operate, you must first program the remote control to recognize the device (if you have not already done so). See pages 24 and 25.

To use your TV remote control to operate a:

- Cable converter box or satellite receiver, set the Device Switch to CBL/SAT.
- VCR, set the Device Switch to VCR.
- DVD player or HTIB, set the Device Switch to DVD.

**Note:**

Even after the TV remote control is programmed, it may not operate certain features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.

Point the remote control directly at the device.

