

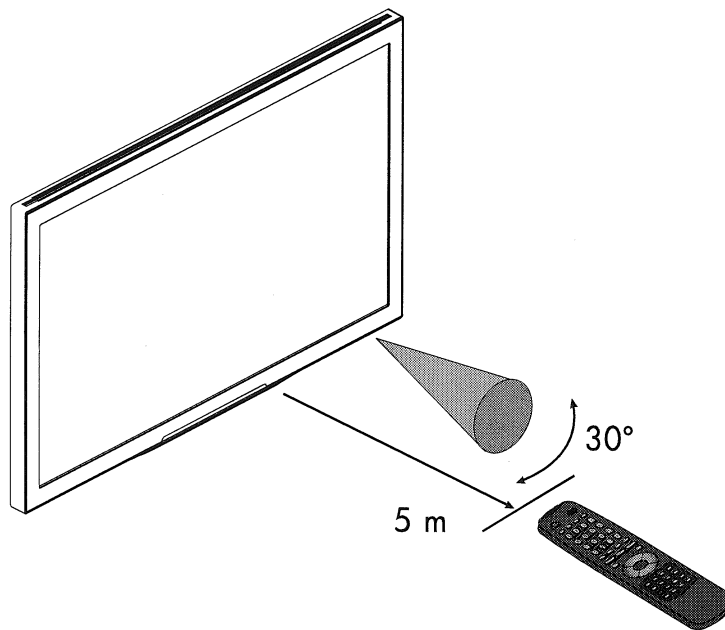
Using the Remote Control

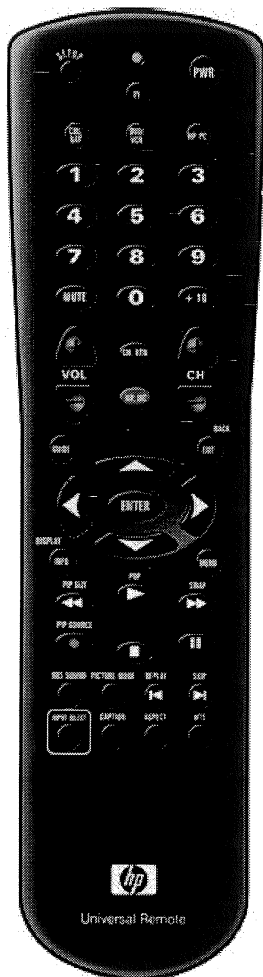
The remote control operates the TV, your cable or satellite set-top-box, your DVD/VCR, and your HP Media Center PC (HP PC).

NOTE: Use the remote control within a distance of 16.4 feet (5 meters) from the front of the TV remote control sensor window and at the maximum 30° horizontal and vertical angles.

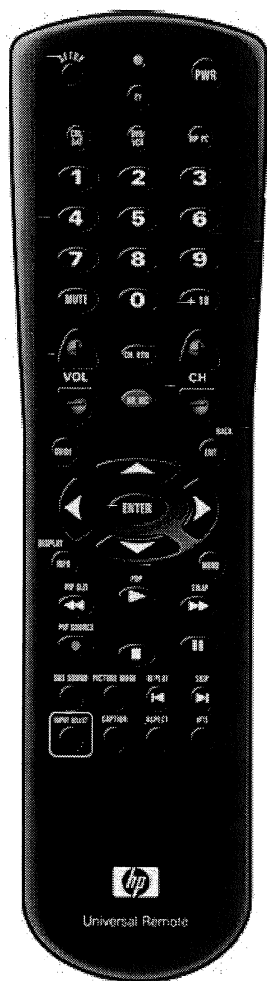
To use the remote control:

- 1** Press the TV, CBL/SAT, DVD/VCR, or HP.PC button to select the home entertainment component (Set-top-box, DVD/VCR or HP MCPC) to control.
- 2** Aim the remote control at the remote control sensor of the selected home entertainment component, and then press the button you want to use.





Remote control item	Description
Indicator light	The red light blinks once each time a button is pushed. If the red light blinks two times when a button is pushed, the remote control batteries are low and need replacement.
Setup	Use the SETUP button when programming the remote control for component control.
PWR	Press PWR once to turn on or off the selected home entertainment component.
TV, CBL/SAT, DVD/VCR, or HP.PC	Press one of these buttons once to select a home entertainment component to control. HP.PC selects the HP Media Center PC (connected to the VGA or DVI connector) and enables the HP MCPC special buttons on the remote. To program the remote control to operate a cable or satellite set-top-box, or a DVD, or a VCR, see "Programming the remote control for component control" on page 22.
Keypad	Use the keypad (0–9, +10) to directly select channels.
Mute	Press MUTE once to turn sound off or on.
VOL	Use VOL+ (or VOL–) to raise (or lower) the sound volume.
CH. RTN	Press CH. RTN (channel return) once to recall the last channel or to page back one screen in the main menu.
HP.MC	Press HP.MC to Start Media Center when using the HP Media Center PC.
CH	Use CH+ (or CH–) to select the next higher (or lower) channel.
Guide	Use GUIDE to display the program guide for a TV set-top-box or for HP MCPC.
Exit/Back	Use EXIT to exit out of the selected component's menu or guide. Use Back for the HP MCPC.
Up/down/left/right buttons	Use these cursor buttons to move the cursor in a program guide or in menus.
Enter	Press ENTER once after entering channel numbers on some TV models. Use Enter as the OK button for the HP MCPC. Use Enter to bring up the OSD.



Remote control item	Description
Info/Display	Use INFO to display current channel and program information, if available. Use Display to show you which channel you are on.
Menu	Press MENU to access the HP MCPC menu.
PIP Size/Fast reverse	Press PIP SIZE to change the size of the PIP from small, middle and large. Press Fast reverse when using a VCR or other device.
POP/Play	Press POP to display the last 8 channels you selected around your current channel. Press Play when using a VCR or other device.
Swap/Fast forward	Press Swap when using the PIP to exchange the pictures in the main display and the PIP/POP display. Press Fast forward when using a VCR or other device.
PIP Source/Record	Press PIP SOURCE to select the source for PIP. Press the Record button for HP MCPC. Press Record when using a VCR or other device.
Stop play	Press the Stop play button to stop when using a VCR or other device.
Pause	Press the Freeze play button to pause play when using a VCR or other device.
Sound Mode	Press the Sound Mode button to select a preset sound effect.
Picture Mode	Press the Picture Mode button to select a preset picture setting.
Replay/Reverse	Use the Replay button for rewinding your selected component.
Skip/Forward	Use the Skip button for fast forwarding your selected component.
Input Select	Press INPUT SELECT to select the input source for the main picture.
Caption	Use the Caption button to display closed caption content.
Aspect	Use the Aspect button to select one of four screen sizes when viewing videos or digital discs.
MTS	Use MTS to select STEREO, MAIN, or SAP (second audio program) for TV sound.

Programming the remote control for component control

Programming the component code

- 1 Turn on the TV. Turn on the cable or satellite set-top-box, VCR, or DVD and, if applicable, insert media (a cassette or a disc).

NOTE: Please read steps 2 through 4 completely before proceeding. We recommend highlighting or writing down the codes and device you wish to program before performing step 2.

- 2 On the remote control, press CBL/SAT button or DVD/VCR button once. Press and hold SETUP until the red light blinks twice, then release SETUP.
- 3 Use the Manufacturer's Codes (see listing that follows) to locate the type of component by brand name and then enter the first four-digit code for your component. If performed correctly, the red light blinks twice.

NOTE: If the red light did not blink twice, then repeat steps 2 and 3, entering the code again.

- 4 Aim the remote control at the component and press PWR once. The component should turn off. If it does not respond, repeat steps 2 and 3, trying each code for your brand until you find one that works. If it still does not work, try searching for the code in the component code table.
- 5 Repeat steps 1 through 4 for each component you want to control with the remote control.

Searching for the component code

If your device does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code:

- 1 On the remote control, press CBL/SAT button or DVD/VCR button once.
- 2 Press and hold SETUP until the red light blinks twice, then release SETUP.
- 3 Press the number buttons 9, 9, and 1. The red light blinks twice.
- 4 Aim the remote control at the set-top-box or the VCR or DVD and slowly alternate between pressing PWR and the component (CBL/SAT or DVD/VCR) button. Stop when the component turns off.

NOTE: In the search mode, the remote control sends codes from its library to the selected device, starting with the most popular code first.

- 5 Press SETUP once to lock in the code.

Checking the component code

If you have set up the remote control to use a component, you may need to find out which four-digit code is operating your component equipment:

- 1** On the remote control, press CBL/SAT or DVD/VCR once.
- 2** Press and hold SETUP until the red light blinks twice, then release SETUP.
- 3** Press the number buttons 9, 9, and 1. The red light blinks twice.
- 4** For the first digit of the code, press the number button 1 once. Wait 3 seconds, and then count the number of times the red light blinks and write down the number.

NOTE: When you count three blinks, it means the code digit is 3. When a code digit is 0, the red light will not blink.

- 5** Repeat step 4 for the three remaining digits of the code, pressing 2 for the second digit, 3 for the third digit, and 4 for the fourth digit.

Reassigning component buttons

The remote control can be set up to control a second TV or VCR, or any combination of eight home entertainment components.

For example, to control a TV, a Cable Converter, and two VCRs, you need to re-assign a component button to operate the second VCR as follows:

- 1** On the remote control, press and hold SETUP until the red light blinks twice, then release SETUP.
- 2** Press the number buttons 9, 9, 1. The red light blinks twice.
- 3** Press DVD/VCR once, then press CBL/SAT once.
- 4** The CBL/SAT button is now ready to be programmed for your second VCR.

To re-assign other device keys, repeat steps 1 through 4 by substituting the key sequence from the following table for the most popular components:

To assign	Use this sequence
TV as 2nd DVD/VCR button	SETUP - 9 - 9 - 2 - DVD/VCR - TV
TV as 2nd CBL/SAT button	SETUP - 9 - 9 - 2 - CBL/SAT - TV
TV back to TV	SETUP - 9 - 9 - 2 - TV - TV
VCR as 2nd CBL/SAT button	SETUP - 9 - 9 - 2 - CBL/SAT - VCR
VCR back to VCR	SETUP - 9 - 9 - 2 - VCR - VCR
CBL/SAT as 2nd VCR button	SETUP - 9 - 9 - 2 - VCR - CBL/SAT
CBL/SAT back to CBL/SAT	SETUP - 9 - 9 - 2 - CBL/SAT - CBL/SAT

When a re-assignment is done, the red light blinks twice to confirm your choice. Then, you need to program the remote control to control the new component.

Changing volume lock

The remote control is set to control volume of a component through your TV while in the TV, DVD/VCR, or CBL/SAT mode. However, in the HP.PC mode you have separate control of the volume.

If you want the volume to be controlled by a different component than the TV, you can change the Volume Lock setting to control volume through a non-associated mode (for example, through the cable in the TV mode).

To change volume lock to another mode:

- 1** On the remote control, press and hold SETUP until the red light blinks twice, then release SETUP.
- 2** Press the number buttons 9, 9, 3, and then press any mode key once (except TV). The red light will blink twice.
- 3** Now, whenever you press VOL+, VOL-, or MUTE, volume is controlled by your component mode choice.

To change volume lock back to the TV mode:

- 1** On the remote control, press and hold SETUP until the red light blinks twice, then release SETUP.
- 2** Press the number buttons 9, 9, 3, and then press TV. The red light blinks twice.
- 3** Now, whenever you press VOL+, VOL-, or MUTE on the remote control, volume is controlled by your TV.

Manufacturer's codes

Manufacturer	Codes for VCR
Admiral	0048
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
Akai	0041
American High	0035
Asha	0240
Audiovox	0037
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0240, 0072, 0271
Curtis Mathes	0060, 0035, 0041, 0162
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278
Fisher	0047, 0104
Fuji	0035, 0033
Funai	0000
GE	0060, 0035, 0048, 0240
Garrard	0000
Go Video	0526
GoldStar	0037, 0038
Gradiente	0000

Manufacturer	Codes for VCR
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Headquarter	0046
Hitachi	0000, 0042, 0041
JVC	0067, 0041
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0041, 0038, 0046
Kodak	0035, 0037
LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0240, 0043
MGN Technology	0240
MTC	0240, 0000
Magnasonic	0278
Magnavox	0035, 0039, 0081, 0000, 0149
Magnin	0240
Marantz	0035, 0081, 0038
Marta	0037
Matsushita	0035, 0162, 0454
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0046, 1162, 1262
Minolta	0042
Mitsubishi	0048, 0067, 0043
Motorola	0035, 0048
Multitech	0000, 0072
NAP	0035, 0037, 0039, 0042, 0033
NEC	0104, 0067, 0041, 0038
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0454, 1062, 1162, 1262
Orion	0184, 0002

Manufacturer	Codes for VCR
Panasonic	0035, 0162, 0225, 0454, 1162
Penney	0035, 0037, 0240, 0042, 0038
Pentax	0042
Philco	0035, 0209
Philips	0035, 0081
Pilot	0037
Pioneer	0067
Profitronic	0240
Proscan	0060
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 0454, 1162
RCA	0060, 0035, 0048, 0240, 0042, 0149
Radio Shack	0000
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0046
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0000, 0067, 0041, 0271
Sanyo	0047, 0240, 0104, 0046
Scott	0184, 0045, 0121, 0043
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Signature	0035
Singer	0072
Sony	0035, 0032, 0000, 0033
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240

Manufacturer	Codes for VCR
Tatung	0041
Teac	0000, 0041
Technics	0060, 0035, 0039, 0162
Teknika	0035, 0037, 0000
Thomas	0000
Toshiba	0045, 0043
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0045, 0000, 0042, 0072, 0149
White Westinghouse	0278
XR-1000	0035, 0000, 0072
Yamaha	0041, 0038
Zenith	0039, 0000, 0033

Manufacturer	Codes for cable converter box
ABC	0003, 0008, 0014, 0017, 0007, 0011, 0013
Allegro	0153, 0315
Archer	0153, 0797
Bell & Howell	0014
Century	0153
Citizen	0153, 0315
Comtronics	0040
Contec	0019
Eastern	0002
Emerson	0797
Everquest	0015, 0040
Focus	0400
Garrard	0153
Gemini	0015
General Instrument	0476, 0276, 0011, 0810
GoldStar	0144, 0040
Goodmind	0797
Hamlin	0020, 0259, 0009, 0034

Manufacturer	Codes for cable converter box
Hitachi	0011
Hytex	0007
Jasco	0015, 0153, 0315
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0011, 0810
Magnavox	0014
Memorex	0000
Movie Time	0063
NAP	0007
NSC	0063
Oak	0019, 0007
Optimus	0021
Panasonic	0000, 0107, 0021
Paragon	0000
Philips	0153
Pioneer	0144, 0533
Popular Mechanics	0400
Proscan	0021
Pulsar	0000
Quasar	0000
RCA	0021
Radio Shack	0015, 0315, 0797, 0883
Recoton	0400
Regal	0020, 0259
Regency	0002
Rembrandt	0011
Runco	0000
SL Marx	0040
Samsung	0144, 0040
Scientific Atlanta	0008, 0477, 0017, 0877
Signal	0015, 0040
Signature	0011
Sprucer	0021
Starcom	0003, 0015
Stargate	0015, 0040, 0797
Starquest	0015
TV86	0063

Manufacturer	Codes for cable converter box
Teleview	0040
Tocom	0012, 0013
Toshiba	0000
Tusa	0015
Unika	0153
United Artists	0007
Universal	0153, 0191
Viewstar	0063
Zenith	0008, 0000, 0015, 0525
Zentek	0400

Manufacturer	Codes for satellite or DBS receivers
AlphaStar	0772
Echostar	0775
Expressvu	0775
General Instrument	0627, 0361, 0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	0749
JVC	0775
Jerrold	0627, 0361
Magnavox	0724, 0722
Memorex	0724
Next Level	0869
Panasonic	0701
Philips	0724, 0722
Primestar	0627, 0361
Proscan	0566
RCA	0566, 0143, 0855
Radio Shack	0566, 0869
Sony	0639
Star Choice	0869
Toshiba	0790
Uniden	0724, 0722
Zenith	0856

Manufacturer	Codes for DVD players
Harman/Kardon	0582
JVC	0558
Kenwood	0534
Magnavox	0503
Mitsubishi	0521
Onkyo	0503
Optimus	0525
Panasonic	0490
Philips	0503, 0539
Pioneer	0525, 0571
Proscan	0522
RCA	0522
Samsung	0573
Sony	0533
Technics	0490
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0503, 0591