



THE REMOTE CONTROL

In addition to controlling all the functions on your HITACHI Projection TV, the new remote control is designed to operate different types of VCRs, CATV (Cable TV) converters, set-top-box, satellite receiver, DVD players, and other audio/video equipment with one touch. Basic operation keys are grouped together in one area.

To operate your TV, point the remote control at the screen of the TV and select the TV by pressing the ◀ or ▶ button of the Source Access on the remote.

To operate your VCR, point the remote at the remote sensor of the VCR and select PVR by pressing the ◀ or ▶ button of the Source Access on the remote (see page 36 for instructions on how to program the remote to control your VCR).

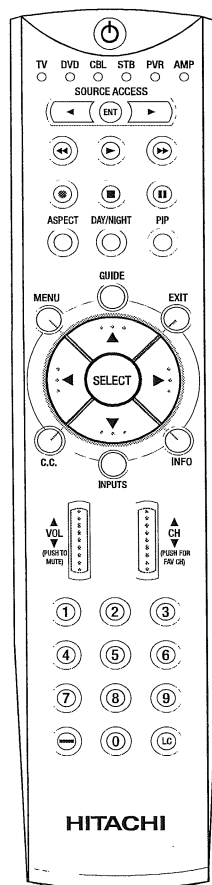
To operate your cable box, point the remote at the remote sensor of the cable box and select the CABLE (CBL) by pressing the ◀ or ▶ button of the Source Access on the remote (see page 33 for instructions on how to program the remote to control your cable box).

To operate your set-top-box or satellite receiver point the remote at the remote sensor of the set-top-box and select the SET-TOP-BOX (STB) by pressing the ◀ or ▶ button of the Source Access on the remote. If you have a satellite receiver, use this button to program your satellite receiver (see page 34 for instructions on how to program the remote to control your set-top-box).

To operate your DVD player, point the remote at the remote sensor of the DVD player and select DVD by pressing the ◀ or ▶ button of the Source Access on the remote (see page 35 for instruction on how to program the remote to control your DVD player).

To operate your PVR (Personal Video Recorder), point the remote at the remote sensor of the PVR and select PVR by pressing the ◀ or ▶ button of the Source Access on the remote (see page 36 for instruction on how to program the remote to control your PVR).

To operate additional audio equipment, point the remote at the remote sensor of the component you wish to control and select AMP by pressing the ◀ or ▶ button of the Source Access on the remote (see page 37 for instructions on how to program the remote to control additional Audio/Video equipment).

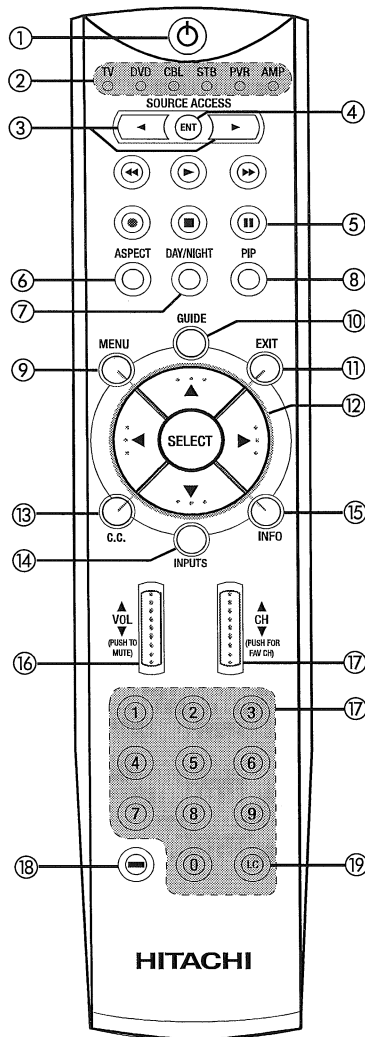


NOTE: When you are in a dark room, press any button on the remote to light up the buttons. The illumination will light for a few seconds during this time. The current mode indicator will flash one time. These buttons will not appear to light if the room is too bright.

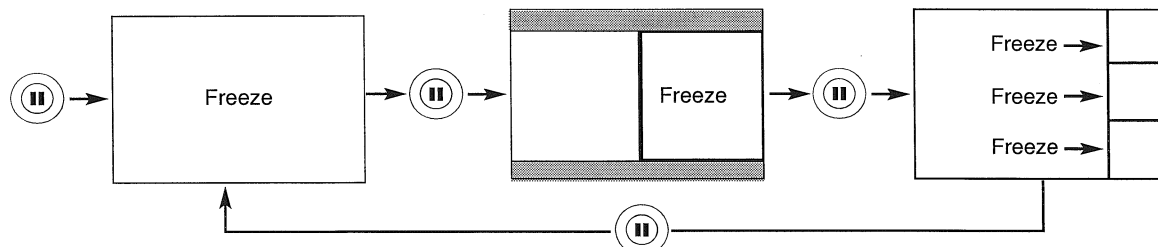


HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV

THE REMOTE CONTROL



- ① **POWER button**
Press this button to turn the TV set on or off when the remote is in TV mode. (See page 21 for instructions on how to set the remote control to TV mode.)
- ② **MODE Indicator**
Turns on or blinks to show remote control mode.
- ③ **SOURCE ACCESS (◀, ▶) buttons**
Press these buttons to select remote control mode.
- ④ **SOURCE ACCESS (ENT) button**
Hold down this button while entering your device code to program the remote (see pages 33-40). You can also use this button in an optional Input access feature (see page 38).
- ⑤ **PAUSE button**
Press the PAUSE button to freeze the picture. Press the EXIT button to return the picture to motion. Press the PAUSE button repeatedly to cycle through the three different freeze modes (see page 32).



HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV



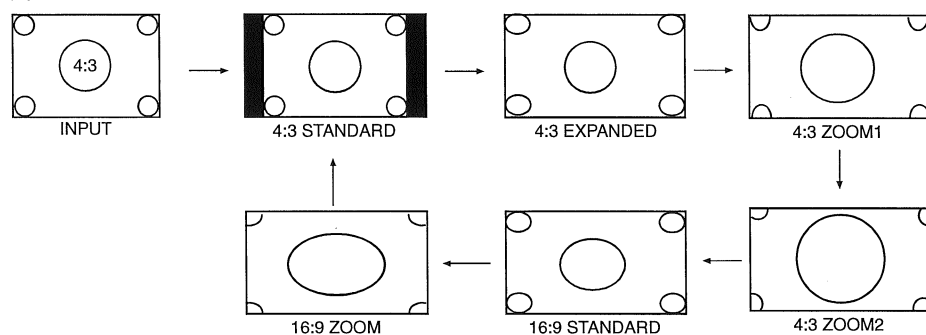
⑥ ASPECT button

Press this button to quickly change the picture format ASPECT ratio.

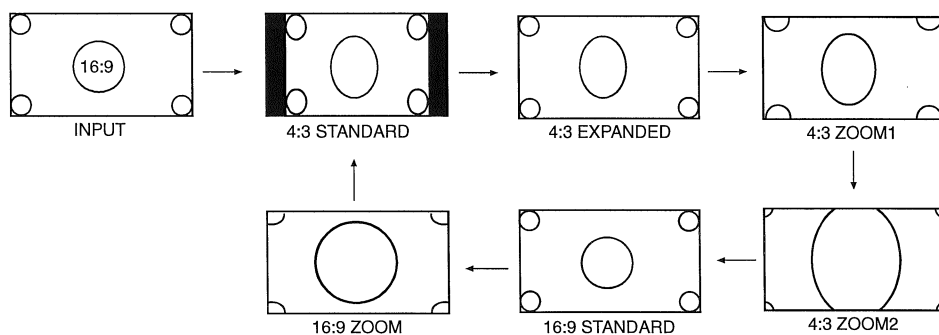
Depending on the input signal format received, the picture format ratio allows you to adjust the images through the following options.

- 4:3 STANDARD** Use this aspect mode to display conventional (4:3) images. Side panels (gray areas) are placed to the left and right of the image to preserve the original aspect ratio of the source. Note: Use this mode for only 15% of your total viewing time to prevent uneven aging of the phosphors. Phosphors in the lighted area of the picture will age more rapidly than the gray areas.
- 4:3 EXPANDED** Use this aspect mode to display conventional (4:3) sources by linearly increasing image expansion from the center towards the edges of the display area in order to fill it.
- 4:3 Zoom1/Zoom2** Use these aspect modes to zoom in on conventional (4:3) sources.
- 16:9 STANDARD** Use this aspect mode to display 16:9 sources like HDTV and DVD's preserving the original 16:9 aspect ratio.
- 16:9 Zoom** Use this aspect to Zoom-in once while in 16:9 aspect.

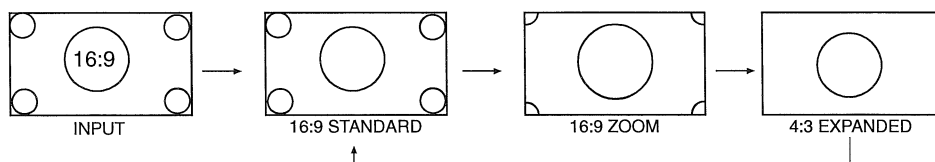
(1) NTSC/480i/480P Input



(2) 480i/480P Input



(3) HDMI/720P/1080i Input



- NOTES:**
1. The Aspect Style setting you select for an ANT input will automatically be set for the other ANT inputs. However, all five video inputs have independent Aspect Style settings.
 2. Vertical position adjustments are directly available when you choose 4:3 EXPANDED/ZOOM1/ZOOM2 or 16:9 ZOOM aspect style (see also page 51).



HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV

⑦ DAY/NIGHT button

Press this button to toggle between Day and Night picture mode settings. Select Day for day time viewing with more brightness and contrast to compete with room light. Select Night for night time viewing with less brightness and contrast for a more detailed picture (see page 44 for settings changes).

NOTE: For automatic DAY/NIGHT picture mode settings, see page 60.

⑧ PICTURE-IN-PICTURE button

See separate section on pages 30-31 for a description.

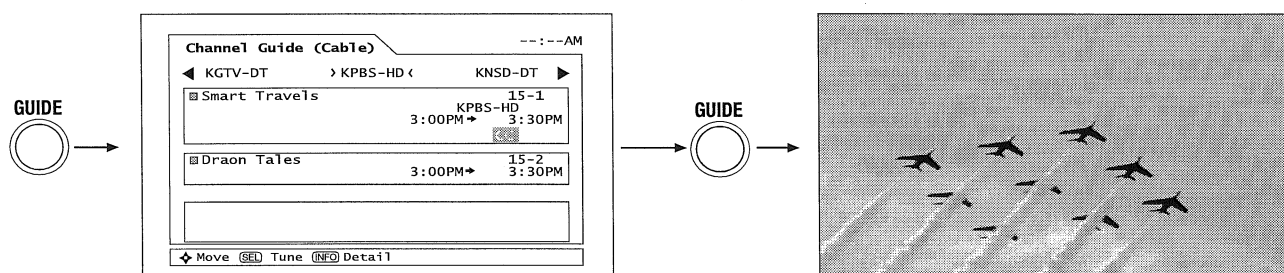
⑨ MENU button

The MENU button will start the On-Screen Display.

⑩ GUIDE button

Press this button to access the Channel Guide. Press the GUIDE button again to return to normal viewing.

Select CHANNEL GUIDE to display available program information. Only scanned programs that are available at the present time will show in the Channel Guide (see Auto Channel Scan on page 52).



Use the CURSOR PAD ▲, ▼, ◀, ▶ to highlight the channel of choice (example: KPBS-HD).
Press the CURSOR PAD ▲, ▼, to highlight the subchannel of choice (example: 15-1).
Press the SELECT button to tune the subchannel of choice.

NOTE: The availability of Channel Guide Information will depend on the type of Antenna input (Analog, Digital) and Cable subscription.

⑪ EXIT button

This button will exit all On-Screen Displays.

⑫ CURSOR PAD/SELECT button

All the On-Screen Display features can be set or adjusted by using the CURSOR PAD, except for numeric entries. The CURSOR PAD will highlight functions or adjust and set different features. Press the CURSOR PAD toward desired direction and press the SELECT button to select.

⑬ C.C. button

Press this button to turn the Closed Caption feature on, off or auto. You can also access this feature on the setup menu (see page 66).

HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV



⑭ INPUTS button

When the remote control is in TV mode, press this button to access the INPUTS menu. Use the CURSOR PAD and SELECT button to select the inputs that are being used. Pressing the INPUTS button repeatedly will also cycle through the Inputs menu items. Then press the SELECT button to select.

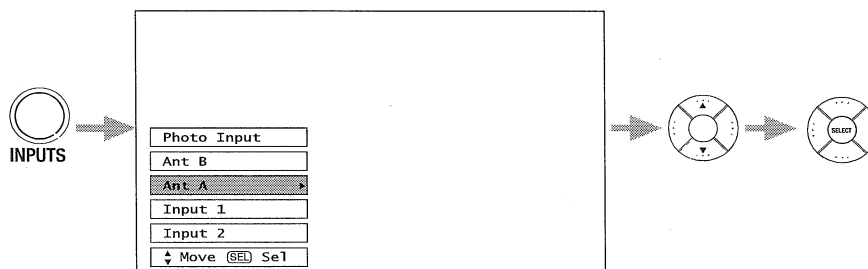


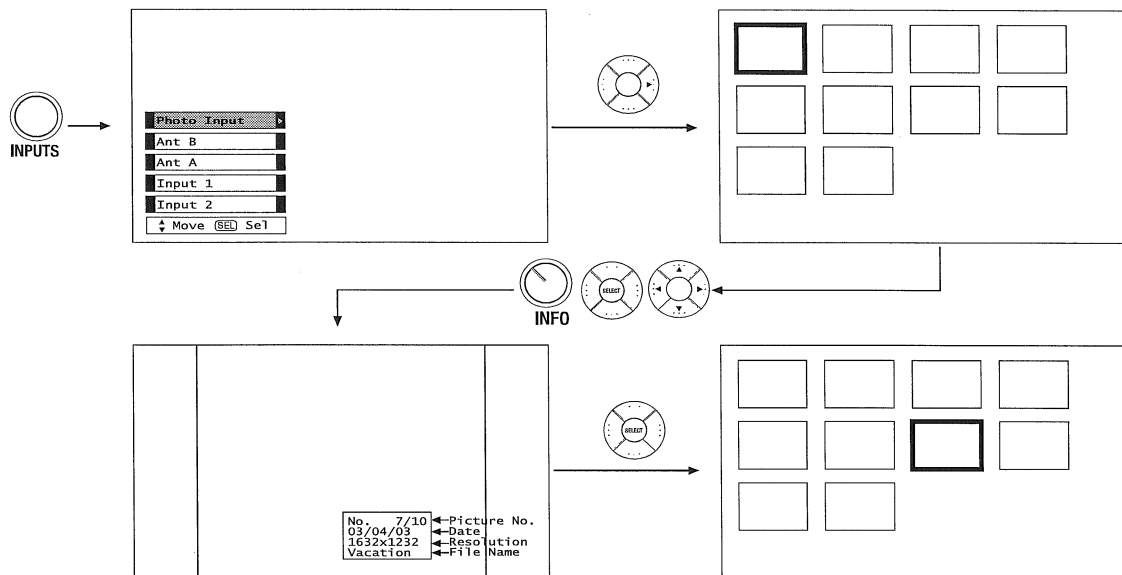
Photo Input	Select to access your pictures from a digital camera connected to the Photo Input in the front panel of the TV (see page 26).
Ant B	Select to choose Antenna B.
Ant A	Select to choose Antenna A.
Input 1	Select to choose Input 1 for Video 1.
Input 2	Select to choose Input 2 for Video 2.
Input 3	Select to choose Input 3 for Video 3.
Input 4	Select to choose Input 4 for Video 4.
Input 5	Select to choose Input 5 for Video 5.



HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV

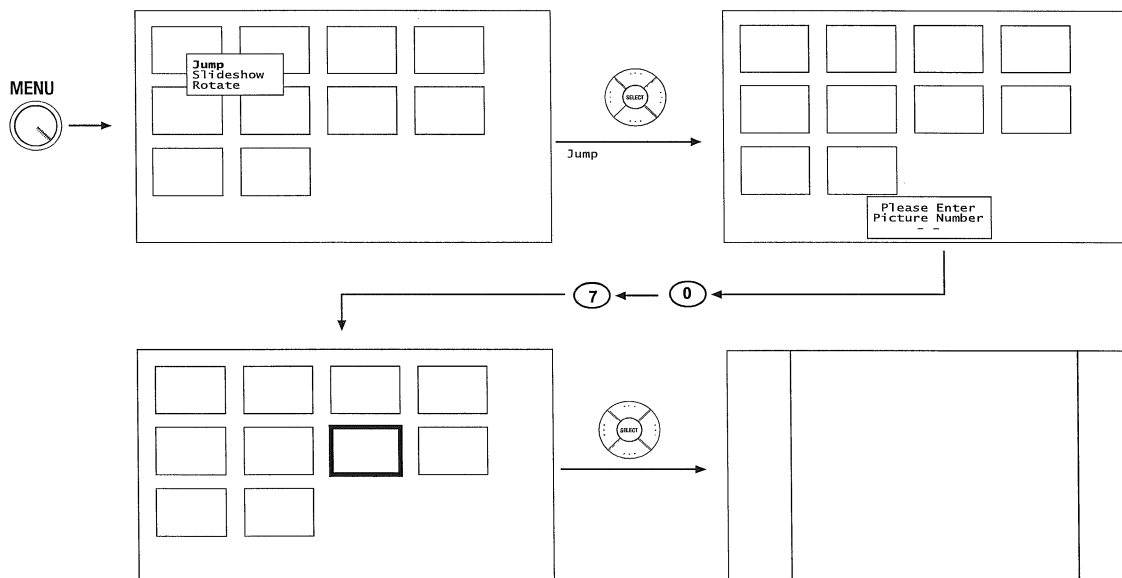
PHOTO INPUT

This feature is useful for viewing digital still pictures from your digital camera using the Photo Input in the side panel of the TV.



JUMP

Select this menu item to view the chosen picture number.



NOTES:

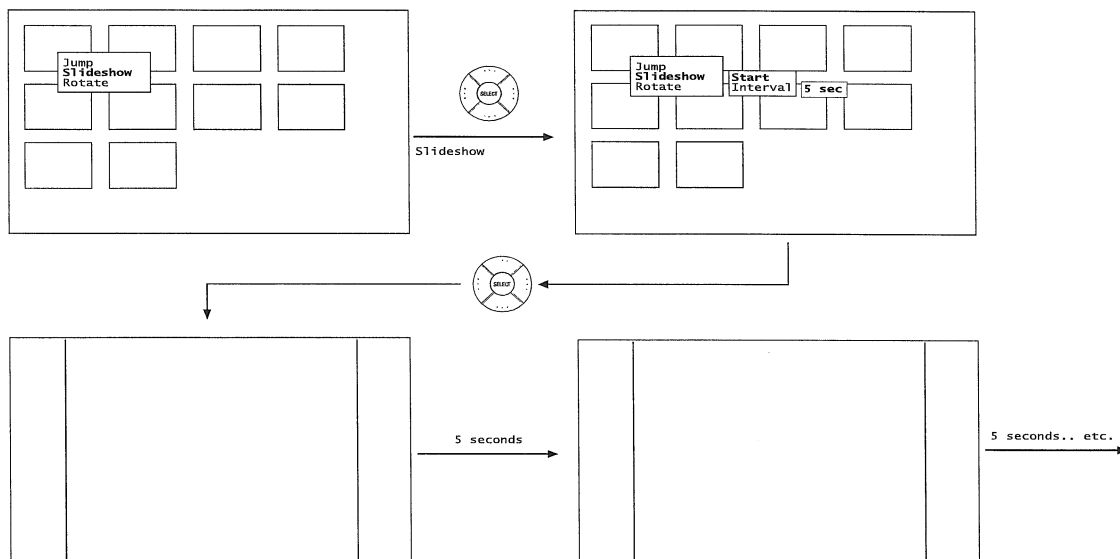
1. The maximum number of digital Photos that can be displayed is 999.
2. Press INFO button to show Picture Numbers in Thumbnail view, plus other information in individual photos.
3. Digital photos recorded on a DVD-RAM disc may not work with this Photo Input.
4. Certain types of digital cameras may not work with this Photo Input.
5. Digital cameras with low battery power may not properly display your photos in this input.
6. The screen may show "Input device not detected" if the digital camera's large capacity memory is fully loaded. Please wait 1 or 2 minutes before checking your Photo Input connections.
7. The screen may show "Input device not detected" due to slow access time on some digital cameras. Please wait 1 or 2 minutes before checking your Photo Input connections.

HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV



SLIDESHOW

Select this menu item to start a slideshow of the Photos in your digital camera. Time interval selections can be set from 5, 10 and 30 seconds.



Use CURSOR PAD ▲, ▼ to highlight Slideshow item.

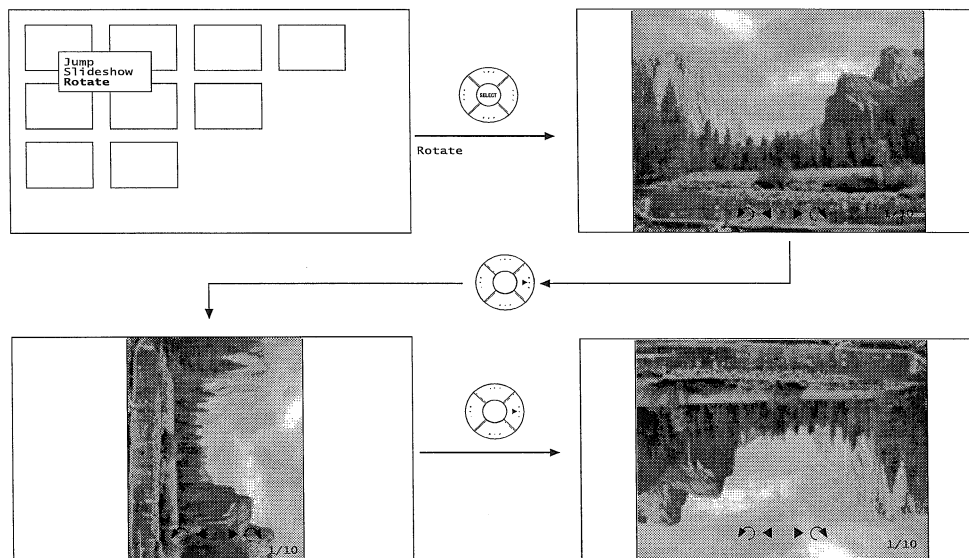
While interval is highlighted, press SELECT to change interval time from 5, 10 and 30 seconds. Each press will change interval time from the three mentioned choices.

Press SELECT to stop on a chosen picture of the slideshow. After 30 seconds, the slideshow will resume, or press SELECT again to continue the slideshow.

Press EXIT to exit the slideshow.

ROTATE

Select this menu item to rotate selected photos either clockwise (CURSOR PAD ►) and counterclockwise (CURSOR PAD ◄). Rotate menu item is also available in THUMBNAIL view.



- NOTES:**
1. Photo file names modified on a computer should be 8 characters (Ex. ABCD1234.jpg). 1st character: letters; 2nd to 4th: letters or numbers; 5th to 8th: numbers. Photo files should be first placed on a sub directory name with 8 characters (Ex. 123ABCDE). 1st to 3rd: number; 4th to 8th: letters. The sub directory then should be placed on a main directory with a "dcim" file name format.
 2. Supported image types are up to 3072 x 2304; JPEG format should conform with DCF Standard (Design rule for Camera File System).
 3. This TV set displays only digital pictures from digital cameras which meet DCF Standard. Pictures that were copied, edited or modified on a computer may not be displayed on the TV set.

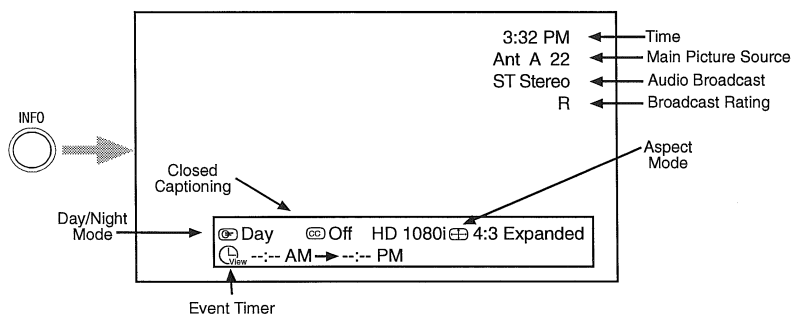
HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV



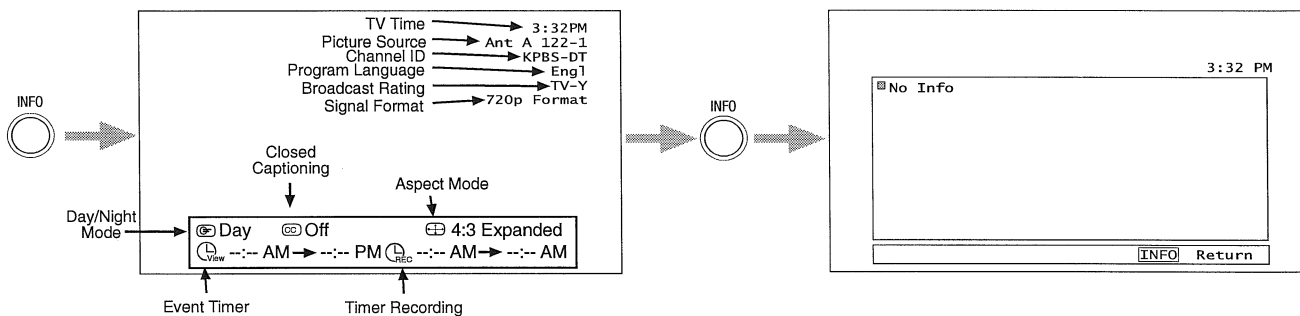
15 INFO button

Press this button when you want to check the channel being received, the picture source, if the channel has stereo (ST) or second audio program (SAP), the time, CHANNEL ID and if the TIMER is set.

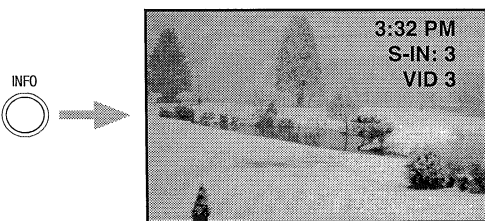
ANALOG CHANNELS



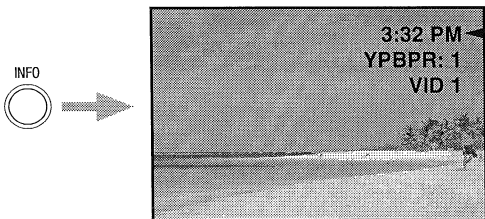
DIGITAL CHANNELS



THE REMOTE CONTROL



When a S-VIDEO Input is connected to VIDEO: 3.



When a COMPONENT VIDEO: Y-P_BP_R Input is connected to VIDEO: 1.

NOTES:

1. The Sleep Timer info will show momentarily after releasing INFO button.
2. Press the INFO button again or the EXIT button to return to normal viewing.

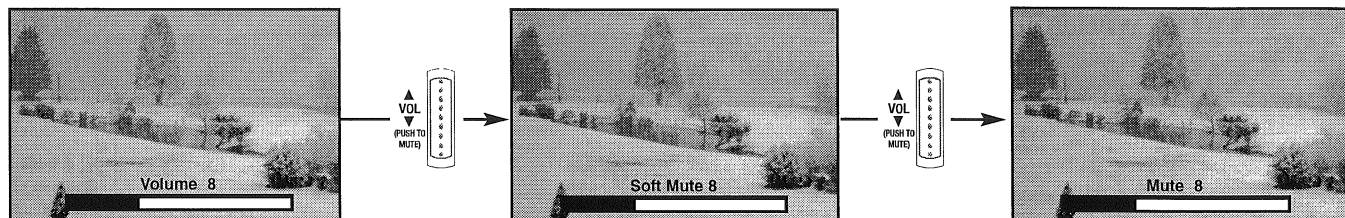
HOW TO USE THE REMOTE TO CONTROL YOUR LCD REAR PTV



⑩ VOLUME (VOL) WHEEL, MUTE button

Use the VOL WHEEL (▲ or ▼) until you obtain the desired sound level.

To reduce the sound to one half of normal volume (SOFT MUTE) to answer the telephone, etc., press the VOL wheel down. Press the VOL wheel again to turn the sound off completely (MUTE). To restore the sound, press the VOL wheel one more time, or VOL Up (▲).



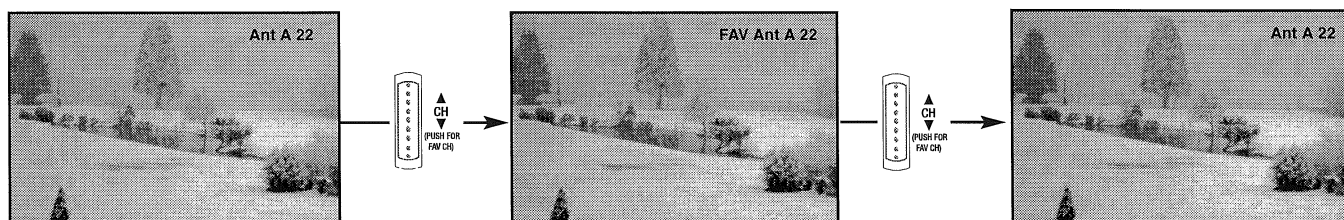
Closed Captioning will display automatically when MUTE/SOFT MUTE is on and Closed Caption is set to AUTO (see page 66).

When the TV power is turned off at a volume level 31 or greater, the volume level will default to 30 when the TV is turned on. However, if it is set to a level 30 or less, the volume level will be at the level it was set when the TV is turned ON.

⑪ CHANNEL (CH) WHEEL/CHANNEL SELECTOR buttons

The CHANNEL wheel or the CHANNEL SELECTOR buttons are used to select channels, lock access code, etc. Use the CHANNEL WHEEL (▲ or ▼) to select the desired channel. Use the CHANNEL SELECTOR buttons to enter one, two, or three numbers to select channels. Enter "0" first for channels 1 to 9, or simply press the single digit channel you wish to tune then wait a few seconds for the TV to tune. For channels 100 and above, use the CHANNEL SELECTOR buttons with the (-) DASH button. Channel selection may also be performed by CHANNEL WHEEL up (▲) or CHANNEL WHEEL down (▼).

Press the channel (CH) wheel to switch to Favorite (FAV) channel mode. You will know you are in Favorite Channel mode when (FAV) is displayed and the displayed channel is GREEN. Press it again to return to your regular tuned channels. You can add any channel to your Favorite channel list by pressing and holding down the Channel (CH) wheel until the displayed channel turns from WHITE to highlighted GREEN. You can also delete a channel from your favorite channel list by pressing and holding down the Channel (CH) wheel until the displayed channel turns highlighted GREEN to WHITE.



⑫ (-) DASH button

Use the (-) DASH button with the CHANNEL SELECTOR buttons to enter Digital Channels that have subchannel numbers indicated by (-) DASH (example 15-1).

⑬ LAST CHANNEL (LC) button

Press this button to toggle between the current and last channel viewed.

USING THE REMOTE TO CONTROL CABLE BOX FUNCTIONS



Operating the precoded function for your cable box.

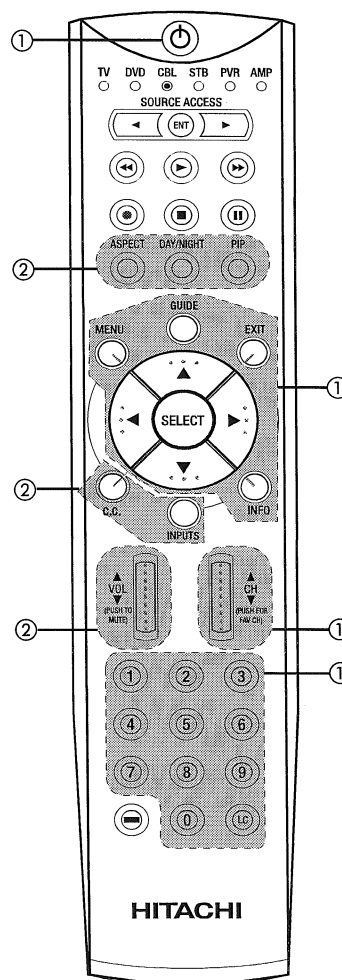
This remote is designed to operate different types of cable boxes. You must first program the remote to match the remote system of your cable box (refer to pages 39-40 for pre-codes).

1. Turn ON your cable box.
2. Aim the remote control at the front of your cable box.
3. To switch to Cable (CBL) pre-coded mode, use the SOURCE ACCESS buttons (◀, ▶) on the remote control to position the LED light to the corresponding selection.
4. Hold down the ENT button on the remote and enter the four digit preset code that matches your cable box as shown on pages 39-40. Release the ENT button. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the cable box and press the POWER button. The remote will turn off your cable box when the correct four digit preset code is entered. When this occurs, the remote control is programmed for your cable box. If the cable box does not turn off, try a different four digit preset code.
6. The remote will now control your Cable box.

NOTES:

1. If your cable box cannot be operated after performing the above procedures, your cable box code has not been precoded into the remote.
2. In the unlikely event that your cable box cannot be operated after performing the above procedures, please consult your cable box operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.

- ① **PRECODED CABLE BOX buttons**
These buttons transmit the chosen precoded cable codes.
- ② **EXCLUSIVE TV buttons**
These buttons are for operating the TV.



THE REMOTE CONTROL

MY CABLE BOX CODE IS: _____

NOTE: Refer to instruction manual of the Cable Box for operation of the buttons exclusively for the Cable Box.



USING THE REMOTE TO CONTROL SET-TOP-BOX/SATELLITE RECEIVER FUNCTIONS

Operating the precoded function for your set-top-box/satellite receiver.

This remote is designed to operate different types of set-top-box/satellite systems. You must first program the remote to match the remote system of your set-top-box/satellite systems (refer to pages 39-40 for pre-codes).

1. Turn ON your set-top-box/satellite systems.
2. Aim the remote control at the front of your set-top-box/satellite systems.
3. To switch to set-top-box/satellite (STB) pre-coded mode, use the SOURCE ACCESS buttons (◀, ▶) on the remote control to position the LED light to the corresponding selection.
4. Hold down the ENT button on the remote and enter the four digit preset code that matches your set-top-box/satellite receiver as shown on page 39-40. Release the ENT button. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the set-top-box/satellite receiver and press the POWER button. The remote will turn off your set-top-box/satellite receiver when the correct four digit preset code is entered. When this occurs, the remote control is programmed for your set-top-box/satellite receiver. If the set-top-box/satellite receiver does not turn off, try a different four digit preset code.
6. The remote will now control your set-top-box/satellite receiver.

NOTES:

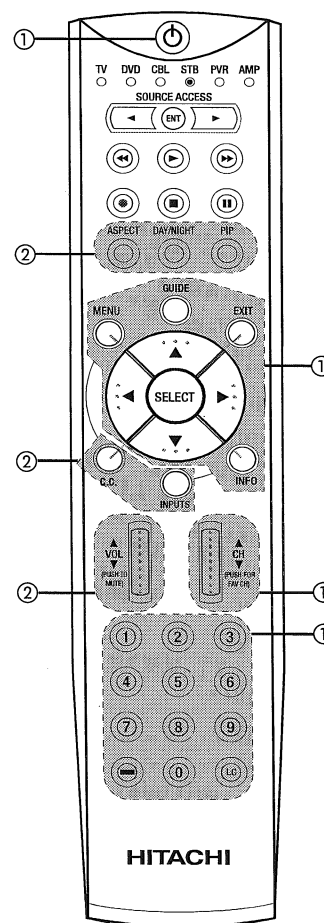
1. If your set-top-box/satellite receiver cannot be operated after performing the above procedures, your set-top-box/satellite receiver code has not been precoded into the remote.
2. In the unlikely event that your set-top-box/satellite receiver cannot be operated after performing the above procedures, please consult your set-top-box/satellite receiver operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.

① PRE-CODED SET-TOP-BOX/SATELLITE RECEIVER buttons

These buttons transmit the chosen pre-coded set-top-box/satellite codes.

② EXCLUSIVE TV buttons

These buttons are for operating the TV.



MY SATELLITE RECEIVER/STB CODE IS: _____

NOTE: Refer to instruction manual of the set-top-box/satellite receiver for operation of the buttons exclusively for the set-top-box/satellite receiver.

USING THE REMOTE TO CONTROL DVD FUNCTIONS



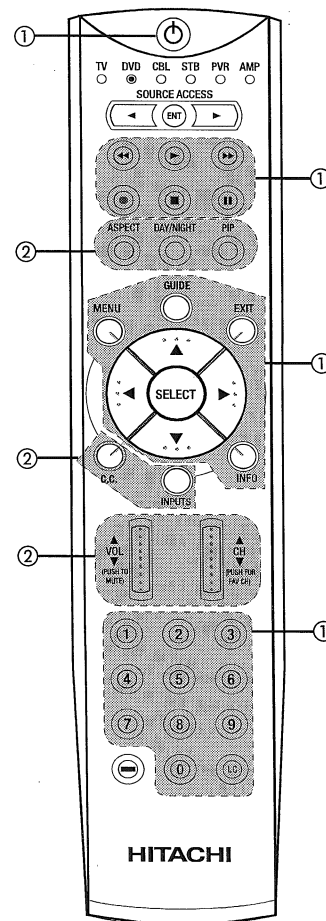
Operating the precoded function for your DVD player.

This remote is designed to operate different types of DVD players. You must first program the remote to match the remote system of your DVD player (refer to pages 39-40 for pre-codes).

1. Turn ON your DVD player.
2. Aim the remote control at the front of your DVD player.
3. To switch to DVD pre-coded mode, use the SOURCE ACCESS buttons (◀, ▶) on the remote control to position the LED light to the corresponding selection.
4. Hold down the ENT button on the remote and enter the four digit preset code that matches your DVD player, as shown on pages 39-40. Release the ENT button. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the DVD player and press the POWER button. The remote will turn off your DVD player when the correct four digit preset code is entered. When this occurs, the remote control is programmed for your DVD player. If the DVD player does not turn off, try a different four digit preset code.
6. The remote will now control your DVD player.
7. You will need to set the display type of your DVD player to 16:9 widescreen.

NOTES:

1. If your DVD player cannot be operated after performing the above procedures, your DVD player's code has not been precoded into the remote.
2. In the unlikely event that your DVD player cannot be operated after performing the above procedures, please consult your DVD player operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.



THE REMOTE CONTROL

- ① **PRECODED DVD Buttons**
These buttons transmit the chosen precoded DVD codes.
- ② **EXCLUSIVE TV Buttons**
These buttons are for operating the TV.

MY DVD PLAYER CODE IS: _____

NOTE: Refer to instruction manual of the DVD player for operation of the buttons exclusively for the DVD player.



USING YOUR REMOTE TO CONTROL VCR/PVR FUNCTIONS

Operating the precoded function for your VCR/PVR (Personal Video Recorder).

This remote is designed to operate different types of VCRs/PVRs. You must first program the remote to match the remote system of your VCR/PVR (refer to pages 39-40 for pre-codes).

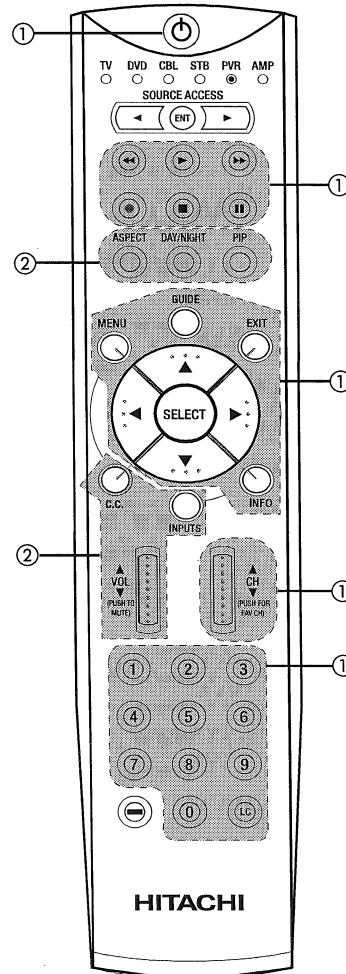
1. Turn ON your VCR/PVR.
2. Aim the remote control at the front of your VCR/PVR.
3. To switch to VCR/PVR pre-coded mode, use the SOURCE ACCESS buttons (◀, ▶) on the remote control to position the LED light to the corresponding selection.
4. Hold down the ENT button on the remote and enter the four digit preset code that matches your VCR/PVR, as shown on pages 39-40. Release the ENT button. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the VCR/PVR and press the POWER button. The remote will turn off your PVR when the correct four digit preset code is entered. When this occurs, the remote control is programmed for your VCR/PVR. If the VCR/PVR does not turn off, try a different four digit preset code.
6. The remote will now control your VCR/PVR.

NOTES:

1. If your PVR cannot be operated after performing the above procedures, your PVR's code has not been precoded into the remote.
2. In the unlikely event that your PVR cannot be operated after performing the above procedures, please consult your PVR operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.
4. VCR precode library is included in the PVR mode. Default device for this mode is Hitachi VCR.
5. INFO, GUIDE and LC (Last Channel) buttons are for PVR devices, not for VCR.

① **PRECODED VCR/PVR Buttons**
These buttons transmit the chosen precoded VCR/PVR codes.

② **EXCLUSIVE TV Buttons**
These buttons are for operating the TV.



MY VCR/PVR CODE IS: _____

NOTE: Refer to instruction manual of the VCR/PVR for operation of the buttons exclusively for the VCR/PVR.

USING YOUR REMOTE TO CONTROL ADDITIONAL AUDIO EQUIPMENT



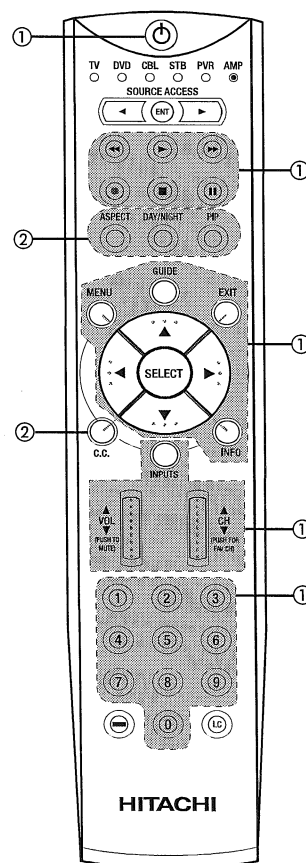
Operating the precoded function for your Audio component.

This remote is designed to operate different types of Audio component. You must first program the remote to match the remote system of your Audio component (refer to pages 39-40 for pre-codes).

1. Turn ON your Audio component you wish to control with the Remote.
2. Aim the remote control at the front of your Audio component.
3. To switch to Audio (AMP) component pre-coded mode, use the SOURCE ACCESS buttons (◀, ▶) on the remote control to position the LED light to the corresponding selection.
4. Hold down the ENT button on the remote and enter the four digit preset code that matches your Audio component, as shown on pages 39-40. Release the ENT button. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the Audio component and press the POWER button. The remote will turn off your Audio component when the correct four digit preset code is entered. When this occurs, the remote control is programmed for your Audio component. If the Audio component does not turn off, try a different four digit preset code.
6. The remote will now control your Audio component.
7. Repeat steps 1 - 6 if you wish to program the remote to control another Audio component.

NOTES:

1. If your Audio component cannot be operated after performing the above procedures, your Audio component's code has not been precoded into the remote.
2. In the unlikely event that your Audio component cannot be operated after performing the above procedures, please consult your Audio equipment operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.
4. CD precode library is included in the AMP mode. Default device for this mode is Hitachi Audio/Video Receiver (AVR/AMP).
5. INPUT, GUIDE, Channel (up/down), Volume (up/down) and REC button are not for CD devices.



THE REMOTE CONTROL

- ① **PRECODED AUDIO Buttons**
These buttons transmit the chosen precoded Audio component codes.

- ② **EXCLUSIVE TV Buttons**
These buttons are for operating the TV.

MY AUDIO EQUIPMENT CODE IS:

CD _____
AMP/RCVR _____

- NOTES:**
1. The REC (Record) button only applies to some precoded amplifier/receiver codes.
 2. Refer to instruction manual of the Audio equipment for operation of the buttons exclusively for the Audio equipment.



USING YOUR REMOTE “ENT” BUTTON TO ACCESS THE SPECIFIED INPUT OF THE TV

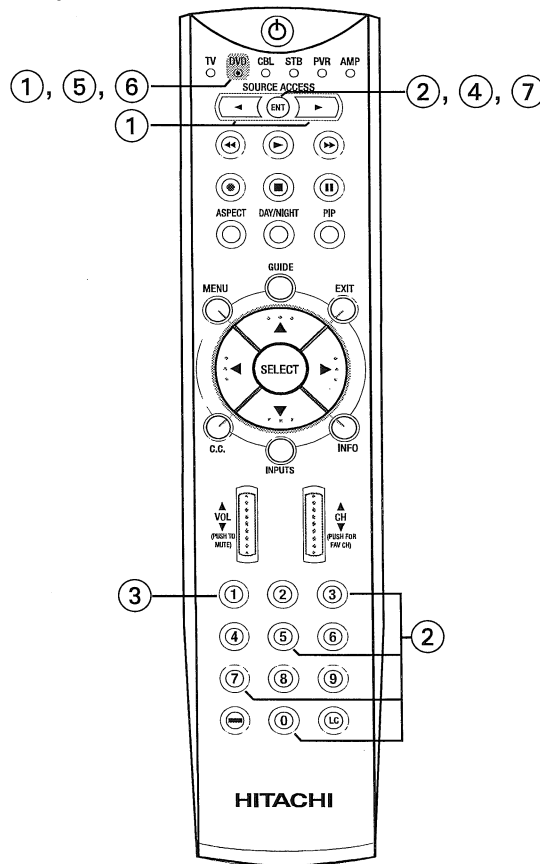
INPUT ACCESS

This optional feature allows the user of the remote control to setup it's ENTER (ENT) button to access the specified input of the TV. Setup for this feature is applicable to the remote control's normal mode only and only applies to the DVD, CBL, STB, PVR and AMP modes.

1. Select the desired device mode (DVD, CBL, STB, PVR, or AMP) by using your SOURCE ACCESS buttons (◀, ▶) to position the LED indicator to the corresponding selection.
2. Hold down the ENTER (ENT) button on the remote and enter the four digit preset code that matches your device as shown on pages 39-40.
3. Then enter the assigned input number (1-5) that the device is related to.
4. Release ENTER (ENT) button.
5. If done correctly, the device LED indicator will flash 3 times to confirm proper setup.
6. The remote will now control the desired device.
7. Pressing the ENTER (ENT) button will now access the video input (1-5) of the desired device.

SETUP EXAMPLE (Hitachi DVD with precode 0573 connected to INPUT 1 of the TV)

- ① Select DVD mode by using your SOURCE ACCESS buttons (◀, ▶) to position the LED indicator to DVD.
- ② Hold down the ENTER (ENT) button and press the numbers 0, 5, 7 and 3.
- ③ Then press the number 1 for the assigned input number of the DVD player.
- ④ Release ENTER (ENT) button.
- ⑤ If done correctly, the device LED indicator will flash 3 times to confirm proper setup.
- ⑥ The remote will now control the DVD player.
- ⑦ Press the ENTER (ENT) button to instantly access the video input of your DVD on Input 1.



- NOTES:**
1. This feature is optional.
 2. Assigned input numbers can be used more than once if applicable.

PVR/VCR, CABLE, SATELLITE, DVD AND AUDIO CODES FOR REMOTE CONTROL



VCR BRAND	CODE
ABS	1972
Admiral	0048, 0209
Adventura	0000
Aiko	0278
Aiwa	0000, 0037, 0307
Akai	0041, 0061, 0106
Alienware	1972
America Action	0278
American High	0035
Asha	0240
Audiovox	0037, 0278
Beaumarck	0240
Bell & Howell	0104
Broksonic	0121, 0184, 0002, 0209, 0479
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0278, 0037
Colt	0072
Craig	0037, 0072, 0047, 0240, 0271
Curtis Mathes	0035, 0041, 0060, 0162
CyberPower	1972
Cybernex	0240
Daewoo	0278, 0045, 0561
Dell	1972
Denon	0042
Durabrand	0039, 0038
Dynatech	0000
Electrohome	0037
Electroponic	0037
Emerex	0032
Emerson	0037, 0184, 000, 0121, 0043, 0209, 0002, 0278, 0061, 0208, 0212, 0479, 0561, 1593
Fisher	0104, 0047, 0066
Fuji	0033, 0035
Funai	0000, 1593
GE	0035, 0060, 0240, 0202, 0761
Garrard	0000
Gateway	1972
Go Video	0432, 0526
GoldStar	0037, 0038
Gradiente	0000, 0008
HI-Q	0047
HP	1972
Harley Davidson	0000
Harman/Kardon	0038, 0081
Harwood	0072
Headquarter	0046
Hewlett Packard	1972
Hitachi	0000, 0041, 0042, 0105
Howard Computers	1972
Hughes Network Systems	0042
iBuy Power	1972
JVC	0067, 0041, 0008
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0041, 0067, 0038
Kodak	0035, 0037
LG	0043, 0593, 1593
LXI	0037
Lloyd's	0000, 0208
Logik	0072
MEI	0035
MGA	0043, 0240, 0061
MGN Technology	0240
MTC	0000, 0240
Magnasonic	0593
Magnavox	0035, 0081, 0563, 0000, 0039, 0593
Magnin	0240
Marantz	0081, 0035
Marta	0037

Matsushita	0035, 0162, 1162
Media Center PC	1972
Memorex	0035, 0162, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0209, 0046, 0307, 0479, 1037, 1162, 1262
Microsoft	1972
Mind	1972
Minolta	0042, 0105
Mitsubishi	0061, 0043, 0067
Motorola	0035, 0048
Multitech	0000, 0072
NEC	0038, 0041, 0067, 0104
Nikko	0037
Noblex	0240
Northgate	1972
Olympus	0035
Optimus	0593, 1062, 0162, 0037, 0048, 0104, 0432, 1048, 1162, 1262
Optonica	0062
Orion	0184, 0209, 0002, 0479
Panasonic	0162, 1062, 0035, 0616, 1162, 1262
Penney	0035, 0037, 0240, 0042, 0038
Pentax	0042, 0105
Philco	0035, 0209, 0479, 0561
Phillips	0081, 0035, 0618, 1081, 1181, 0062
Pilot	0037
Pioneer	0067
Polk Audio	0081
Profitronic	0240
Proscan	0060, 0202, 0761
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 1162
RCA	0060, 0240, 0042, 0105, 0106, 0202, 0761, 0880
Radio Shack	0000, 1037
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0046, 0062, 0066
ReplayTV	0614, 0616
Runco	0039
STS	0042
Samsung	0045, 0240, 0432
Sanky	0039, 0048
Sansui	0000, 0067, 0209, 0041, 0479, 1479, 0271
Sanyo	0047, 0240, 0104, 0046
Scott	0184, 0045, 0121, 0043, 0210, 0212
Sears	0035, 0037, 0047, 0000, 0042, 0104, 1237, 0046, 0066, 0105
Semp	0045
Sharp	0048, 0848, 0062
Shintom	0072
Shogun	0240
Singer	0072
Sonic Blue	0614, 0616
Sony	0035, 0032, 0000, 0033, 0636, 1032, 1972
Sylvania	0035, 0081, 0000, 0043, 0593, 1593
Symphonic	0000, 0593, 1593
Systemax	1972
TMK	0240, 0208
Tagar Systems	1972
Tatung	0041
Teac	0000, 0041
Technics	0035, 0162
Teknika	0000, 0035, 0037
Thomas	0000
Tivo	0618, 0636, 1503
Toshiba	0045, 0043, 0066, 0210, 0212, 0366, 0845, 1008, 1145, 1503, 1972

Totevision	0037, 0240
Touch	1972
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045, 0061
Videomagic	0037
Videosonic	0240
Viewsonic	1972
Wards	0060, 0062, 0035, 0048, 0047, 0081, 0240, 0000, 0042, 0072, 0212
White Westinghouse	0072, 0209
XR-1000	0072, 0000, 0035
Yamaha	0038
ZT Group	1972
Zenith	0039, 0000, 0209, 0033, 0479, 1479

DVD BRAND	CODE
AMW	0872
Aiwa	0641
Allegro	0869
Apex Digital	0672, 0717, 0755, 0794, 0796, 0797, 1004, 1020, 1056, 1061, 1100, 1915, 1937
Audiovox	0790, 1072
Axon	1072
Blaupunkt	0717
Blue Parade	0571
Brooksionic	0695
CAVS	1057
CineVision	0876, 0869
Classic	1917
Coby	1086
Curtis Mathes	1087
CyberHome	0816, 1023, 1024
DVD2000	0521
Daewoo	0784, 0705, 0833, 0869, 1918
Denon	0490, 0634
Dual	1068, 1085
Emerson	0591, 0675
Enterprise	0591
Fisher	0670
Funai	0675
GE	0522, 0717, 0815
GPX	0699, 0769
Gateway	1073
Go Video	0744, 0715, 0783, 0833, 0869, 1075
Gradiente	0651
Greenhill	0717
Grundig	0705
Harman/Kardon	0702
Hitachi	0573, 0664, 0695
Hiteker	0672
IRT	0783
Initial	0717
Integra	0627
Hiteker	0672
JBL	0702
JVC	0623, 0558, 0867, 1901
KLH	0717, 0790, 1020
Kawasaki	0790
Kenwood	0490, 0534
Koss	0651
Lasonic	0798
Lite-On	1058
Magnavox	0503, 0675, 1914, 1976
Marantz	0539
Memorex	0695
Microsoft	0522
Mintek	0717, 0839
Mitsubishi	0521, 1521
Nesa	0717
Norcent	1003, 0872
Onkyo	0627, 0503
Oritron	0651
Panasonic	0490
Philco	0790

Philips	0503, 0539, 0646, 0854
Pioneer	0525, 0571, 1902
Polaroid	1061, 1086
Polk Audio	0539
Proscan	0522
Qwestar	0651
RCA	0522, 0571, 0717, 0790, 0822, 1974
Recco	0698
Rio	0869
Rotel	0623
Rowa	0823
Sampo	0698, 0752
Samsung	0490, 0573, 0820, 0744, 1075
Sansui	0695
Sanyo	0670, 0695, 0873
Semp	0503
Sharp	0630, 0752
Shinonic	0533, 0839
Sonic Blue	0869
Sony	0533
Sylvania	0675
Symphonic	0675
TYT	0705
Teac	0790
Technics	0490
Theta Digital	0571
Tivo	1996
Toshiba	0503, 0695, 1045, 1988, 1996, 2006
Tredex	0799, 0803
US Logic	0839
Urban Concepts	0503
Venturer	0790
XBox	0522
Yamaha	0490, 0545, 0539
Zenith	0591, 0503, 0869

CABLE BRAND	CODE
ABC	0003, 0008, 0011, 0013, 0014, 0017
Allegro	0153, 0315
Americast	0899
Antronix	022
Archer	022, 0153, 0797
Bell & Howell	0014
Bell South	0899
Cabletenna	0022
Cableview	0022
Century	0153
Citizen	0153, 0315
ClearMax	0883
Clearmaster	0883
Colour Voice	0025, 0031
Comtronics	0040
Contec	0019
Coolmax	0883
Digi	0637
Director	0476
Dumont	0637
Emerson	0797
Everquest	0015, 0040
Focus	0400
Garrard	0153
Gemini	0015, 0797
General Instrument	0003, 0011, 0476, 0276, 0810
GoldStar	0040, 0144
Goodmind	0797
Hamlin	0009, 0020, 0034, 0273
Hitachi	0011
Jasco	0015, 0153, 0315
Jerrold	0003, 0011, 0012, 0014, 0015, 0024, 0276, 0476, 0810
Memorex	0000
Motorola	0276, 0476, 0810, 1106, 1254, 1376
Movie Time	0063
Multivision	0012



PVR/VCR, CABLE, SATELLITE, DVD AND AUDIO CODES FOR REMOTE CONTROL

NSC	0063
Novaplex	0618
Oak	0019
Optimus	0021
Pace	0237, 1877
Panasonic	0000, 0021, 0107
Panther	0637
Paragon	0000
Philips	0305, 0317
Pioneer	0023, 0025, 0031, 0153, 0144, 0533, 0877, 1877
Popular Mechanics	0400
Pulsar	0000
Quasar	0000
RCA	0021
RadioShack	0015, 0315, 0797, 0883
Recoton	0400
Regal	0020, 0273, 0279
Rembrandt	0011
Runco	0000
SL Marx	0040
Samsung	0040, 0144
Scientific Atlanta	0877, 0008, 0017, 0477, 1877
Signal	0015, 0040
Signature	0011
Sony	1006
Sprucer	0021
Starcom	0003, 0015
Stargate	0015, 0040, 0797
Starquest	0015
Supercable	0276
Supermax	0883
TFC	0310
TV86	0063
Tandy	0258
TeleCaption	0221
Televue	0040
Timeless	0040
Tocom	0012, 0013
Torx	0003
Toshiba	0000
Tristar	0883
Tusa	0015
Unika	0022, 0153
Universal	0022, 0153, 0191
V2	0883
ViewMaster	0883
Viewstar	0063, 0258
Vision	0883
Vortex View	0883
Zenith	0000, 0054, 0525, 0899
Zentek	0400

SATELLITE BRAND (Set-Top-Box) .. CODE

AlphaStar	0772
Amway	0043, 0075
Astro Industries	0095
BSR	0095
Cable Innovations	0554
Capetronic	0095
Century	0856
Channel Master	0018, 0212
Chapparral	0053, 0209, 0216
Conifer	0004
Crossdigital	1109
Curtis Mathes	061
DX Antenna	0041
DirectTV	0392, 0566, 0639, 1639, 1142, 0247, 0749, 1749, 0724, 0819, 1856, 1076, 1109, 0099, 1052, 1053, 1054, 1442, 1443, 1444
Dish Network System	1005, 0775, 1170
DishPro	1005, 0775
Drake	0018, 0064, 0245
Echostar	1005, 0775, 0148, 0269, 0280, 1170
Expressvu	0775
GE	0566

GOI	0775
General Instrument	0869, 0547, 0554
Gradiente	0856
HTS	0775
Hitachi	0819
homecable	0238
Hughes Network Systems	1142, 0749, 1749, 1442, 1443, 1444
Hytek	0095
IQ	0210
IQ Prism	0210
Innova	0099
Intersat	0043
JVC	0775, 1170
Janeil	0152
Legend	0269
Macom	0018, 0061
Magnavox	0724, 0722
Memorex	0724, 0269
Mitsubishi	0749
Motorola	0869
Netsat	0099
Next Level	0869
Norsat	0004
Pace	0455
Panasonic	0247, 0701, 0152
Paysat	0724
Philips	1142, 0749, 0724, 1076, 0722, 1749, 0856, 0099
Pico	0075
Proscan	0392, 0566
RCA	0392, 0566, 0855, 0143
Radioshack	0869, 0554
Ramsey	0075
Realistic	0052
SKY	0856, 1856, 0099
STS	0041, 0210
Samsung	1276, 1109
Sony	0639, 1639
Star Choice	0869
Star Trak	0180, 0421, 0547
Strong	0421
Tivo	1142, 1442, 1443, 1444
Toshiba	0749, 1749, 0790, 0061, 0082, 1052, 1053, 1054, 1285, 1286, 1287, 1289
Town & Country	0547
Uniden	0724, 0722, 0052, 0074, 0076, 0238, 0370, 0554
Zenith	0856, 1856, 0061, 0064

AMPLIFIER BRAND.....CODE

Aiwa	0406
Bose	0674
Carver	0269
Curtis Mathes	0300
Denon	0160
Durabrand	1561
GE	0078
Harman/Kardon	0892
JVC	0331
Left Coast	0892
Lenox	1561
Linn	0269
Luxman	0165
Magnavox	0269
Marantz	0269, 0321, 0892
NEC	0264
Nakamichi	0321
Optimus	0395, 0300
Panasonic	0308, 0521
Parasound	0246
Philips	0269, 0892
Pioneer	0013, 0300
Polk Audio	0269, 0892
RCA	0300
Realistic	0395
Sansui	0321
Shure	0264
Sony	0815, 0689, 0220

Soundesign	0078, 0211
Technics	0308, 0521
Toshiba	0353
Victor	0331
Wards	0013, 0078, 0211
Yamaha	0354, 0133

RECEIVER BRAND (Amplifier) CODE

ADC	0531
Aiwa	1405, 0121, 0158, 0189, 0405
Anam	1074, 1609
Arcam	1120
Audiotronic	1189
Bose	0639, 1229, 1253
Capetronic	0531
Carver	1189, 0042, 0189
Casio	0195
Clarinet	0195
Coby	1263
Compaq	1136
Curtis Mathes	0080
Dell	1383
Denon	0004, 1360
Fisher	0042
Garrard	0463
Glory Horse	1263
Harman/Kardon	0891, 0110, 0189
Hewlett Packard	1181
Hitachi	0228
Integra	0135
JBL	0110
JVC	0074, 1263
KLH	1428
Kenwood	1313, 1570, 1569, 0027, 0042, 0186, 0239
LXI	0181
Linn	0189
Lloyd's	0195
MCS	0039
Magnavox	1189, 1269, 0189, 0195, 0391, 0531
Marantz	1189, 0039, 0189, 1269
Mitsubishi	1393
Modulaire	0195
Musicmagic	1089
Nakamichi	0097
Onkyo	0135, 0842
Optimus	1023, 0042, 0080, 0177, 0181, 0186, 0219, 0531, 0670, 0738, 0801, 1074
Panasonic	1518, 0039, 0309, 0367
Penney	0195
Pioneer	1189, 1269, 0189, 0391, 1120
Pioneer	1023, 0014, 0080, 0150, 0244, 0531, 0630
Polk Audio	0189
Proscan	1254
Quasar	0039
RCA	1023, 1254, 0080, 0531, 1074, 1609
Radio Shack	1263
Realistic	0181, 0195
Rio	1383
Sansui	0189
Sanyo	0801, 1251
Scott	0163, 0322
Sharp	0186
Sharper Image	1263
Sherwood	0491, 0502
Sonic Blue	1383
Sony	1058, 1441, 1759, 0158, 0474, 1349, 1406, 1442
Soundesign	0670
Stereophonics	1023
Sunfire	1313
Teac	0463, 1074
Technics	1308, 1518, 0039, 0309
Thorens	1189
Toshiba	1572
Victor	0074

Wards	0014, 0080, 0158, 0189
Yamaha	0176, 0186, 1176
Yorx	0195
Zenith	0857

AUDIO BRANDCODE

Aiwa	0010, 0159
AudioSource	0351
Cambridge Soundworks	0351
Carver	0351
Fisher	0052
Fosgate	0259
Harmon/Kardon	0477
JBL	0477
JVC	0073
KLH	0351
Magnavox	0325
Nikko	0376
Paramount Pictures	0317, 0351
RCA	0056
SSI	0317
Sansui	0325
Schneider	0376
Sony	0010, 0576
Soundesign	0376
Yorx	0376

SET TOP BOX BRANDCODE

Panasonic	1120
Pioneer	1010
Princeton	0113, 0295
Samsung	1190
Sensory Science	1126
Sharp	1010
Sony	0639

PERSONAL VIDEO RECORDER

BRAND.....CODE

Panasonic	0616
Philips	0618
ReplayTV	0614, 0616
SonicBlue	0614, 0616
Sony	0636
Tivo	0618, 0636