



THE GENIUS 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 remote sensor of the TV and press the TV button. The TV button will blink, indicating that the remote will now control your television.

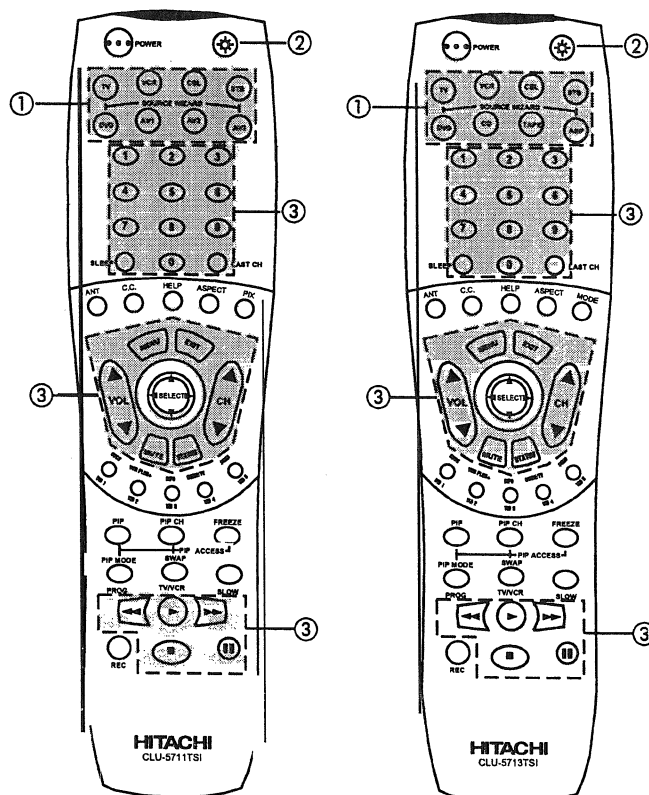
To operate your VCR, point the remote at the remote sensor of the VCR and press the VCR button. The VCR button will blink, indicating that the remote will now control your VCR. (See page 30 for instructions on how to program the remote to control your VCR.)

To operate your cable box, point the remote at the remote sensor of the cable box and press the CABLE (CBL) button. The CBL button will blink, indicating that the remote will now control your cable box. (See page 31 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 press the SET-TOP-BOX (STB) button. The STB button will blink, indicating that the remote will now control your set-top-box. If you have a satellite receiver, use this button to program your satellite receiver. (See page 32 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 press the DVD button. The DVD button will blink, indicating that the remote will now control your DVD player. (See page 33 for instruction on how to program the remote to control your DVD player.)

To operate additional audio/video equipment, point the remote at the remote sensor of the component you wish to control and press the AV1, AV2 or AV3 button. This button will blink, indicating that the remote will now control the desired component. (See page 34 for instructions on how to program the remote to control additional Audio/Video equipment.)



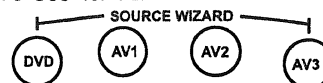
② These buttons allow the remote to control your TV, VCR, cable box, satellite receiver, DVD player, or other Audio/Video equipment depending on which mode is chosen, as explained above.

②, ③ LIGHT BUTTON

When you are in a dark room, press the light button ② on the remote to light up the buttons shown in ③ and the source button will blink. The light will stay on for about 8 seconds if the light button is not pressed again. These buttons will not appear to light if the room is too bright.

NOTE: 1. Your remote control "SOURCE WIZARD" buttons are either labeled as "AV1, AV2 and AV3," or "CD, TAPE, and AMP." If your remote control "SOURCE WIZARD" buttons are labeled as "AV1, AV2, and AV3," please program your Audio/Video components as follow for best performance. Use "AV1" to program your CD brand. Use "AV2" to program your TAPE brand, and use "AV3" to program your AMPLIFIER/RECEIVER brand.

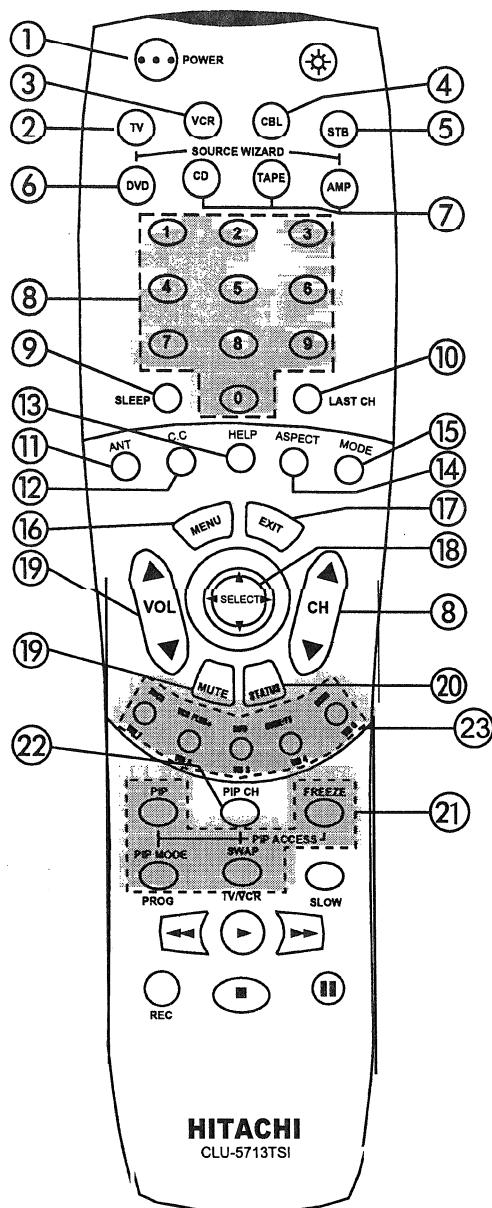
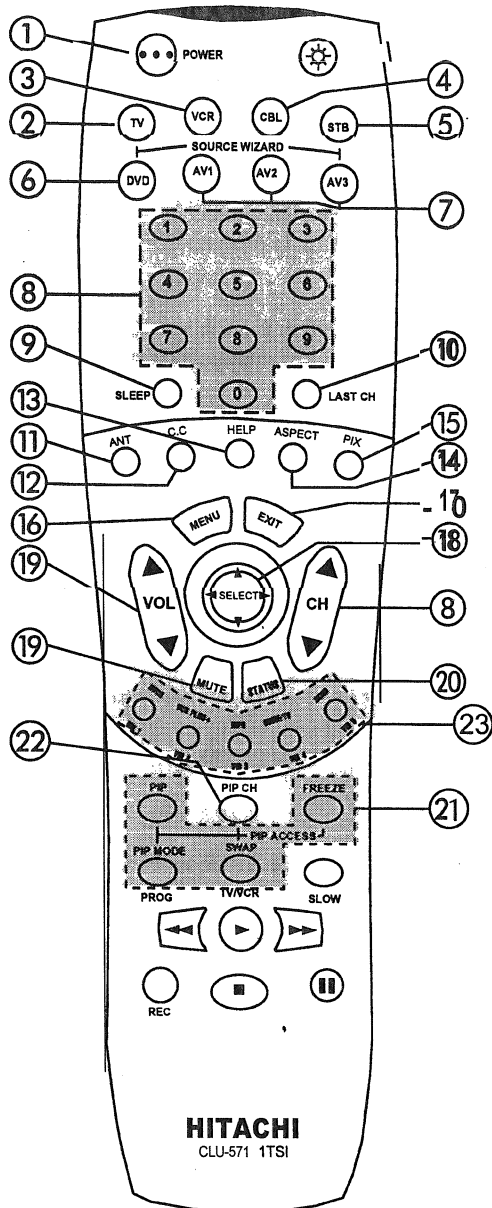
AV1-Use for CD brand
AV2-Use for TAPE brand
AV3-Use for AMPLIFIER/RECEIVER brand.



2. Your remote control button to directly access the THEATER MODE is either labeled as "PIX" or "MODE".



HOW TO USE THE GENIUS REMOTE TO CONTROL YOUR TV



① POWER button

Press this button to turn the TV set on or off when the remote is in TV mode. (See page 23 for instructions on how to set the remote control to TV mode.)

② TV button

When the TV button is pressed, it will blink, to indicate the remote is in TV mode.,

③ VCR button

When the VCR button is pressed, it will blink to indicate the remote is in VCR mode. (see page 30)

④ CABLE (CBL)

When the CABLE button is pressed, it will blink to indicate the remote is in CABLE mode. (see page 31)

⑤ SET-TOP-BOX (STB)

When the STB button is pressed, it will blink to indicate the remote is in STB mode. (see page 32)
If you have a Satellite receiver, use this button to program your Satellite receiver. (see page 32)

⑥ DVD button

When the DVD button is pressed, it will blink to indicate the remote is in DVD mode. (see page 33)

HOW TO USE THE GENIUS REMOTE TO CONTROL YOUR TV

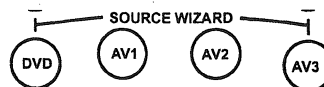


7 AV1, AV2, AV3, or CD, TAPE, AMP buttons

When pressed, each of these buttons will blink to indicate the remote is in Audio/Video mode. (see page 34)

NOTE: Your remote control "SOURCE WIZARD" buttons are either labeled as "AV1, AV2 and AV3," or "CD, TAPE, and AMP." If your remote control "SOURCE WIZARD" buttons are labeled as "AV1, AV2, and AV3," please program your Audio/Video components as follow for best performance. Use "AV1" to program your CD brand. Use "AV2" to program your TAPE brand, and use "AV3" to program your AMPLIFIER/RECEIVER brand.

AV1-Use for CD brand
AV2-Use for TAPE brand
AV3-Use for AMPLIFIER/RECEIVER brand.



8 CHANNEL selector buttons

CHANNEL selector buttons are used to set FAVORITE CHANNELS, CHANNEL MEMORY, etc.

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, press the "1" button, wait until two dashes appear next to the channel display on your TV, then enter the remaining two numbers using the number buttons.

Channel selection may also be performed by pressing CH up (▲) or down (▼).

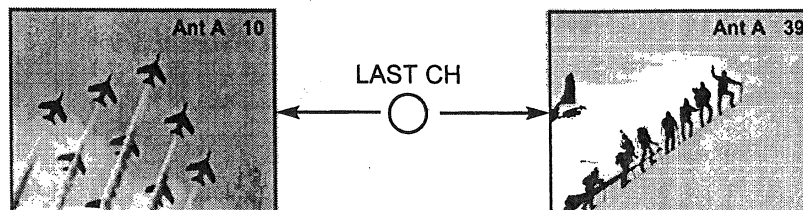
NOTE: The TV may not receive some channels if you are not in the correct ANTENNA/CABLE mode. (see page 40)

9 SLEEP button

Press this button to display the sleep timer in the lower left corner of the screen. Every subsequent press of this button will add 15 minutes to this timer, up to a maximum of three hours. Once set, use STATUS when you want to view time remaining. If the SLEEP button is pressed while the timer is set, it will reset to the original condition.

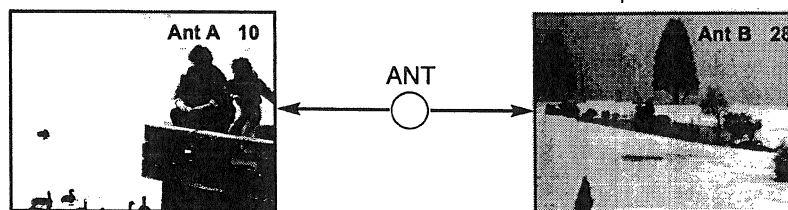
10 LAST CHANNEL (LAST CH) button

Use this button to select between the last two channels viewed. (Good for watching two sporting events, etc.)



11 ANTENNA button

The ANT button will select between Antenna A and Antenna B each time the button is pressed.



12 C.C. button

Press this button to quickly turn the Closed Caption feature on, off and auto (see page 55 for more information).

13 HELP button

Press this button when a menu is displayed to view HELP text, which gives a description of the displayed menu. The HELP text will be displayed every time a MENU is displayed, until this button is pressed again.

14 ASPECT button

Press this button to quickly change the PICTURE FORMATS aspect ratio. (See page 46-47 for more information)

15 PIX or MODE button

Press this button repeatedly to direct access THEATER MODE between Sport, News, Movie, and Music.

16 MENU button

The MENU button will start the On-Screen Display,

17 EXIT button

When in MENU mode, this button will exit all On-Screen Displays.



HOW TO USE THE GENIUS REMOTE TO CONTROL YOUR TV

18 THUMB STICK/SELECT button

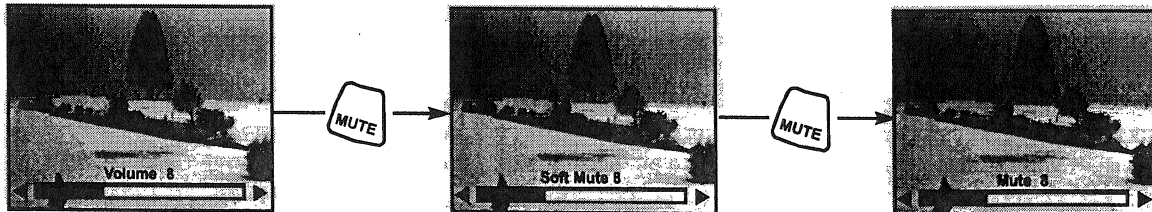
All the On-Screen Display features can be set or adjusted by using the THUMB STICK.

The THUMB STICK will highlight functions or adjust and set different features. Press the THUMB STICK toward desired direction and press down to SELECT.

19 VOLUME, MUTE button

Press the VOLUME up (A) or down (▼) button until you obtain the desired sound level.

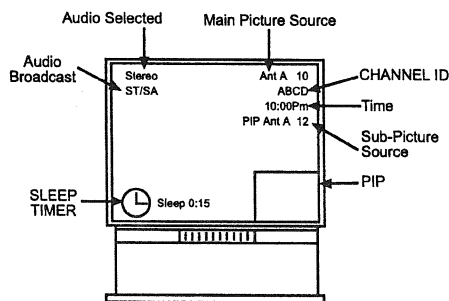
To reduce the sound to one half of normal volume (SOFT MUTE) to answer the telephone, etc., press the MUTE button. Press the MUTE button again to turn the sound off completely (MUTE). To restore the sound, press the MUTE button one more time, or press the VOLUME Up (A) button.



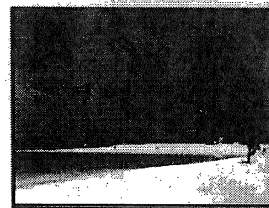
Closed Captioning will display when MUTE/SOFT MUTE is on and Closed Caption is set to AUTO (See page 55).

20 STATUS button

Press this button when no menu is displayed 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 SLEEP timer is set.



When an S-VIDEO Input is connected to VIDEO: 1.



When a COMPONENT VIDEO: Y-PBPR Input is connected to VIDEO: 4.

21 PICTURE-IN-PICTURE buttons

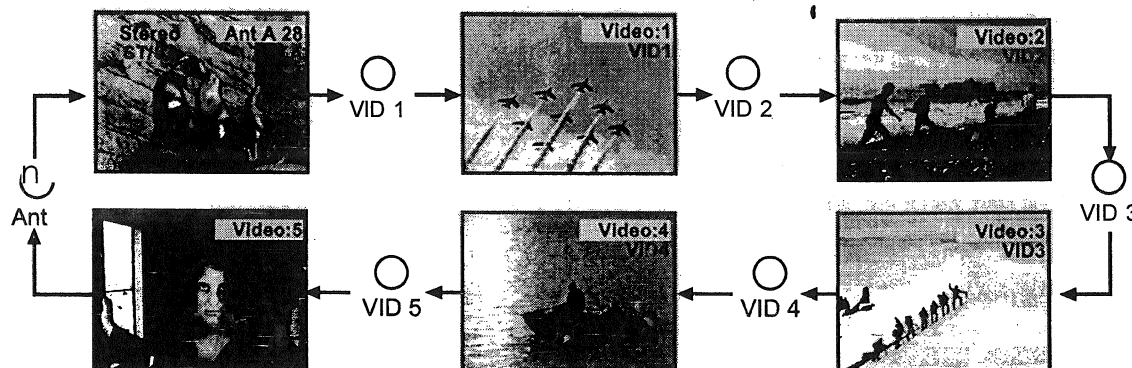
See separate section on pages 27-29 for a description.

22 PIP CH button

Use the PIP CH button to select between main picture and sub-picture tuning. The channel number which is highlighted indicates what channel is being controlled.

23 VID1 ~ VID5

When the remote control is in TV mode, press these buttons to directly select the video input sources between the five video inputs. When the remote control is in Set-Top-Box mode (STB) these buttons will control the Set-Top-Box or satellite receiver.





USING THE REMOTE TO CONTROL VCR FUNCTIONS

Operating the precoded function for your VCR.

This remote is designed to operate different types of VCRs. You must first program the remote to match the remote system of your VCR. (refer to page 35 for pre-codes)

1. Turn ON your VCR.
2. Aim the remote control at the front of your VCR.
3. Press and release the VCR button to switch to VCR pre-coded mode.
4. Hold down the VCR button on the remote and enter the two digit preset code that matches your VCR, as shown on page 35. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the VCR and press the POWER button. The remote will turn off your VCR when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your VCR. If the VCR does not turn off, try a different two digit preset code.
6. The remote will now control your VCR.

NOTES:

1. If your VCR cannot be operated after performing the above procedures, your VCR's code has not been precoded into the remote.
2. In the unlikely event that your VCR cannot be operated after performing the above procedures, please consult your VCR 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. The MENU button will act as the VCR MENU button for HITACHI VCRs.
5. The LAST CH button will act as your VCR ENTER button if required.
6. The SLEEP button will act as your VCR '100' button if required.

① VCR Button

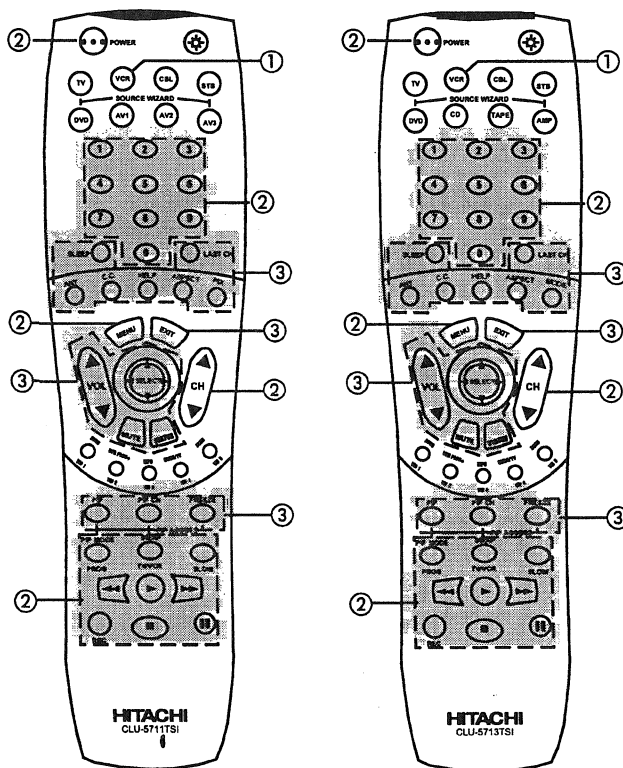
This button allows the remote to control your VCR by setting it to VCR mode.

② PRECODED VCR Buttons

These buttons transmit the chosen precoded VCR codes. For some VCRs, you must press the RECORD button twice to record a program.

③ EXCLUSIVE TV Buttons

These buttons are for operating the TV.



MY VCR CODE IS: _____

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

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 page 35)

1. Turn ON your cable box.
2. Aim the remote control at the front of your cable box.
3. Press and release the Cable (CBL) button to switch to Cable pre-coded mode.
4. Hold down the CBL button on the remote and enter the two digit preset code that matches your cable box as shown on page 35. 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 two 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 two 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.
4. The LAST CH button will act as the cable box ENTER button if required.
5. The SLEEP button will act as your cable box '100' button if required.
6. The ANT button will act as the TV/STB button when in STB mode.

① CABLE (CBL) button

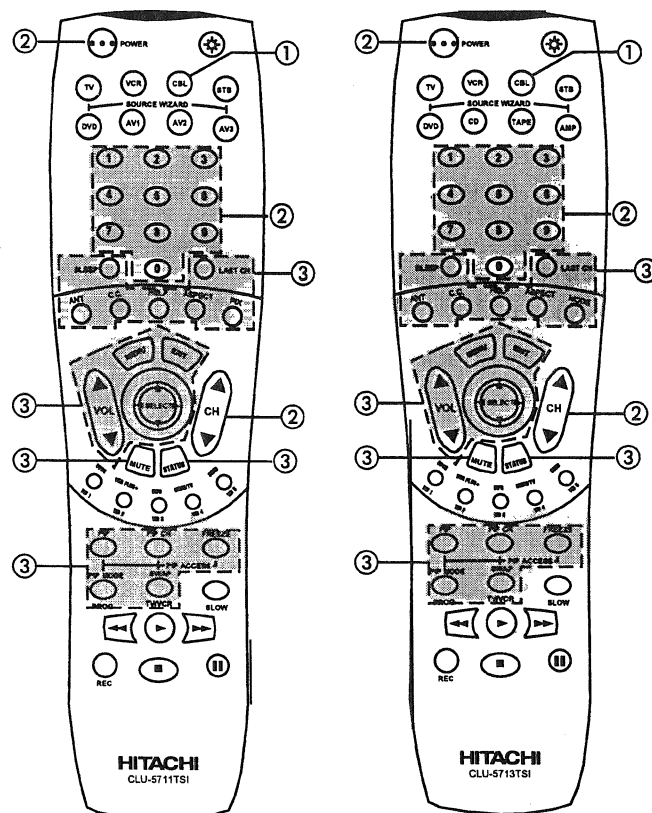
This button allows the remote to control your cable box by setting it to CABLE mode.

② PRECODED CABLE BOX buttons

These buttons transmit the chosen precoded cable codes.

③ EXCLUSIVE TV buttons

These buttons are for operating the TV.



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 page 35)

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. Press and release the SET-TOP-BOX (STB) button to switch to set-top-box/satellite pre-coded mode.
4. Hold down the STB button on the remote and enter the two digit preset code that matches your set-top-box/satellite receiver as shown on page 35. 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 two 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 two 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.
4. The ANT button will act as the TV/STB button when in STB mode.

① SET-TOP-BOX (STB) button

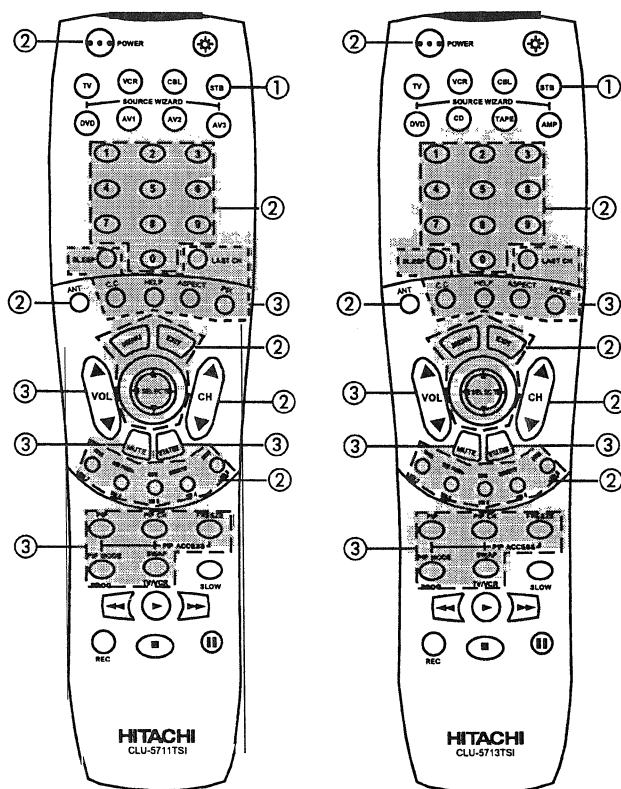
This button allows the remote to control your satellite receiver by setting it to SET-TOP-BOX/SATELLITE mode.

② PRECODED SET-TOP-BOX/SATELLITE RECEIVER buttons

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

③ 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 page 35 for pre-codes)

1. Turn ON your DVD player.
2. Aim the remote control at the front of your DVD player.
3. Press and release the DVD button to switch to DVD pre-coded mode.
4. Hold down the DVD button on the remote and enter the two digit preset code that matches your DVD player, as shown on page 35. 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 two 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 two digit preset code.
6. The remote will now control your DVD player.

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.

① DVD Button

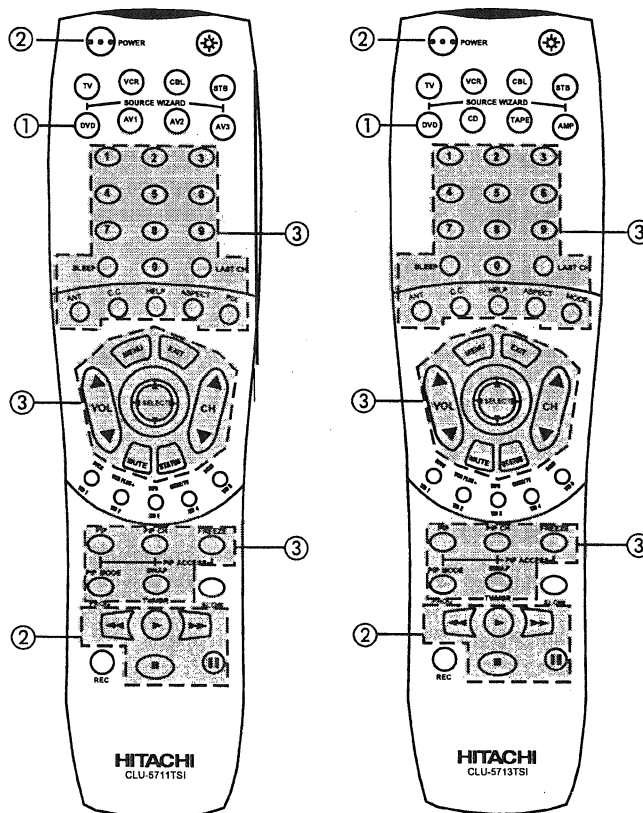
This button allows the remote to control your DVD player by setting it to DVD mode.

② PRECODED DVD Buttons

These buttons transmit the chosen precoded DVD codes.

③ 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 THE REMOTE TO CONTROL ADDITIONAL AUDIO/VIDEO EQUIPMENT

Operating the precoded function for your Audio/Video component.

This remote is designed to operate different types of Audio/Video component. You must first program the remote to match the remote system of your Audio/Video component. (refer to page 35 for pre-codes)

1. Turn ON your Audio/Video component you wish to control with the Remote.
2. Aim the remote control at the front of your Audio/Video component.
3. Press and release the AV1, AV2 or AV3 button to switch to Audio/Video component pre-coded mode.
4. Hold down the AV1, AV2 or AV3 button on the remote and enter the two digit preset code that matches your Audio/Video component, as shown on page 35. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the Audio/Video component and press the POWER button. The remote will turn off your Audio/Video component when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your Audio/Video component. If the Audio/Video component does not turn off, try a different two digit preset code.
6. The remote will now control your Audio/Video component.
7. Repeat steps 1 - 6 if you wish to program the remote to control another Audio/Video component. Be sure to use a different AV button on the remote, since only one component can be programmed per button.

NOTES:

1. Your remote control "SOURCE WIZARD" buttons are either labeled as "AV1, AV2 and AV3," or "CD, TAPE, and AMP," If your remote control "SOURCE WIZARD" buttons are labeled as "AV1, AV2, and AV3," please program your Audio/Video components as follow for best performance. Use "AV1" to program your CD brand. Use "AV2" to program your TAPE brand, and use "AV3" to program your AMPLIFIER/RECEIVER brand.
2. If your Audio/Video component cannot be operated after performing the above procedures, your Audio/Video component's code has not been precoded into the remote.
3. In the unlikely event that your Audio/Video component cannot be operated after performing the above procedures, please consult your Audio/Video equipment operating guide.
4. 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 AV1, AV2, AV3 Buttons

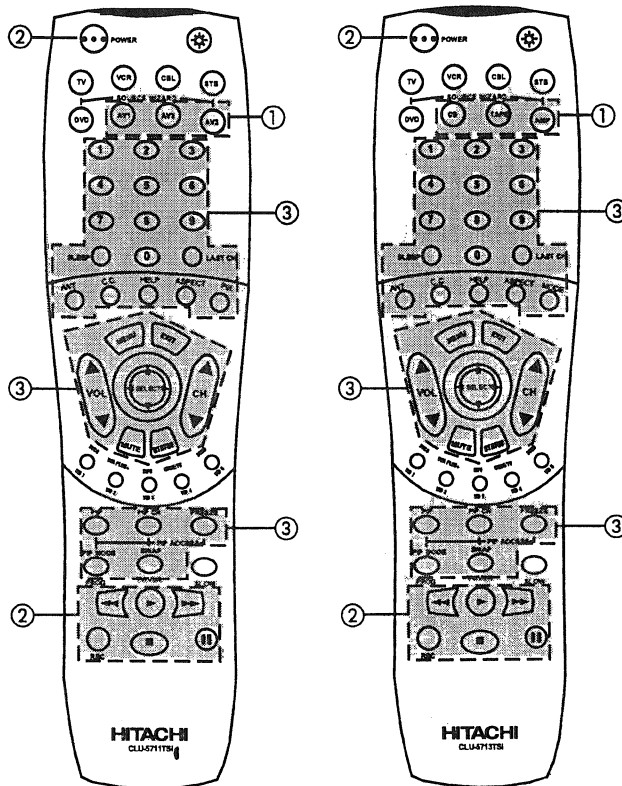
These buttons allows the remote to control your Audio/Video equipment by setting it to Audio/Video mode.

② PRECODED AUDIO/VIDEO Buttons

These buttons transmit the chosen precoded Audio/Video component codes.

③ EXCLUSIVE TV Buttons

These buttons are for operating the TV.



MY AUDIO/VIDEO EQUIPMENT CODE IS:

AV1 (CD) _____
AV2 (TAPE) _____
AV3 (AMP/RCVR) _____

NOTE: Refer to instruction manual of the Audio/Video equipment for operation of the buttons exclusively for the Audio/Video equipment.

VCR, CABLE, SATELLITE, DVD and AUDIO/VIDEO CODES



VCR BRAND	CODE
Adventura	01
Aiko	09
Aiwa	01
Akai	02, 47, 48
American High	23
Asha	44
Audiovox	24
Beaumarck	44
Bell & Howell	32
Broksonic	33, 34, 41
Calix	24
Canon	2, 3
Carver	31
CCE	09, 30
Citizen	09, 24
Colt	30
Craig	19, 24, 30, 44
Curtis Mathes	02, 23, 46
Cybermex	44
Daewoo	09, 17
Dynatech	01
Electroponic	24
Emerex	08
Emerson	01, 09, 13, 16, 24, 27, 28, 33, 34, 36, 41, 47
Fisher	19, 21, 32
Fuji	10, 23
Funai	01
Garrard	01
GE	04, 23, 40, 46
Goldstar	24, 25, 43
Gradiente	01
Harley Davidson	01
Harmon/Kardon	25
Harwood	30
Headquarter	18
Hi-Q	19
Hitachi	01, 02, 03, 04, 05
Jensen	02
JVC	02, 14, 26
KEC	09, 24
Kenwood	02, 25, 26
KLH	30
Kodak	23, 24
Lloyd	01
Lloyd's	27
Logik	30
LXI	2, 4
Magnavox	15, 23, 31, 35
Magnin	4, 4
Marantz	23, 31
Marta	24
Matsushita	23
MEI	23
Memorex	01, 15, 18, 19, 20, 23, 24, 32, 44
MGA	16, 47
MGN Technology	44
Minolta	03, 05
Mitsubishi	16, 26, 39, 47, 48
Motorola	20, 23
MTC	01, 44
Multitech	01, 30
NEC	02, 25, 26, 32
Nikko	24
Noblex	44
Olympus	12, 23
Optimus	20, 24, 32
Panasonic	11, 12, 23, 38
Penney	03, 23, 24, 25, 44
Pentax	03, 04, 05
Philco	23
Phillips	23, 31
Pilot	24

Pioneer	2, 6
Protec	30
Pulsar	15
Quarter	1, 8
Quartz	1, 8
Quasar	23
Radio Shack	01, 24
Radix	2, 4
Randex	24
RCA	03, 04, 05, 35, 40, 46
Realistic	01, 18, 19, 20, 21, 23, 24, 32, 44
Ricoh	22
Runco	15
Samsung	17, 44
Sanky	15, 20
Sansui	02, 26
Sanyo	18, 19, 32, 44
Scott	16, 17, 33, 34, 36, 41
Sears	03, 05, 18, 19, 21, 23, 24, 32
Sharp	20
Shintom	30
Shogun	44
Singer	3, 0
Sony	08, 10, 22, 23
STS	03
Sylvania	01, 16, 23, 31
Symphonic	01
Tatung	02
Teac	01, 02
Technics	23, 38
Teknika	01, 23, 24
TMK	27, 44
Toshiba	16, 17, 21, 36
Totvision	24, 44
Unitech	44
Vector	1, 7
Vector Research	25
Video Concepts	17, 47
Videosonic	44
Wards	01, 03, 19, 20, 23, 30, 35, 36, 44, 46
XR-1000	01, 23, 30
Yamaha	2, 5
Zenith	10, 15, 22

DVD BRAND	CODE
Denon	04
Hitachi	07, 12
JVC	01
Kenwood	04
Magnavox	0, 5
Mitsubishi	10
Panasonic	04
Phillips	06
Pioneer	0, 3
RCA (Proscan)	09
Samsung	12
Sony	0, 2
Toshiba	05
Yamaha	0, 8
Zenith	05, 11

CABLE BRAND	CODE
ABC	01, 07, 08, 17, 18, 20, 36, 37, 49
Antronix	39
Archer	11, 24, 39
Belcor	32
Cable Star	32
Century	11
Citizen	11
Colour Voice	30, 42
Comtronics	25, 28

Contec	21
Dae Ryung	20
Eastern	14
Electricord	31
Everquest	51
Focus	5, 2
Garrard	11
GC Electronics	32, 39
Gemini	05, 38, 43, 51
General Instrument	01, 12
Goldstar	10, 25
Hamlin	04, 13, 22, 23
Hitachi	01
Hytex	36
Jasco	11
Jerrold	01, 08, 12, 37, 49, 50, 51
Macom	35
Magnavox	15
Memorex	03
Movie Time	29, 31, 33
NSC	29, 33, 38
Oak	21, 36, 46
Panasonic	02, 03, 09
Paragon	03
Phillips	11, 15, 16, 26, 30, 42, 43, 44
Pioneer	06, 10, 19
Popular Mechanics	52
Pulsar	03
RCA	0, 2
Realistic	39
Recoton	52
Regal	04, 22, 34
Regency	14
Rembrandt	01, 38
Runco	03
Samsung	10, 25
Scientific Atlanta	17, 20, 41, 45
Signal	25, 51
Signature	01
SL Marx	25
Sprucer	02
Starcom	37, 49, 51
Stargate	25, 51
Starquest	51
Starsight	53, 54
Sylvania	18
Televue	25
Texscan	18
Tocom	07, 27, 50
Toshiba	03
Tusa	51
TV86	2, 9
Unika	11, 39
United Artists	36
United Cable	49
Universal	11, 24, 31, 32, 34, 39
Videoway	47
Viewstar	15, 28, 29, 40
Zenith	03, 48
Zentek	52

SATELLITE BRAND	CODE
Echostar	04
Hitachi	01
Hughes	0, 5
RCA	02
Sony	0, 3

SET-TOP-BOX	CODE
Panasonic	06
RCA	0, 7
Samsung	08

AMPLIFIER BRAND	CODE
Aiwa	05, 06
Carver	01, 06, 08
Denon	10
Fisher	08, 11
Hitachi	12
JVC	13
Kenwood	14, 15, 17, 18
Magnavox	01, 06
Marantz	01, 06, 16
MCS	16
Optimus	03, 04, 11, 15, 20
Panasonic	1, 6
Philips	01, 06
Pioneer	03, 04, 20, 21, 22
Quasar	16
Sansui	06
Sanyo	11
Sharp	15
Sony	0, 5
Technics	02, 16, 23, 24, 25
Victor	13
Wards	03, 05, 06, 08, 20, 21
Yamaha	15, 26

CD BRAND	CODE
Adcom	01
Aiwa	02
California Audio Lab	03
Carver	02
Denon	04
DKK	0, 5
Emerson	01
Fisher	06
Genexxa	07
Hitachi	01, 07, 08, 09, 10, 11, 12
JVC	13
Kenwood	06, 14, 15
Krell	02
Magnavox	02
Marantz	02, 03
MCS	0, 3
Mission	03
NSM	0, 2
Onkyo	16
Optimus	05, 07, 17
Panasonic	0, 3
Philips	02
Pioneer	07, 17
Proton	02
QED	0, 2
Quasar	03
RCA	01, 21
Realistic	01
Rotel	02
SAE	02
Sansui	02
Scott	0, 1
Sony	05, 18
Technics	03, 19, 20
Victor	13

TAPE BRAND	CODE
Aiwa	11, 12
Hitachi	01, 02, 03, 04
JVC	0, 5
Kenwood	06
Optimus	07
Pioneer	07
Sony	09, 10, 11, 12
Wards	07