

THE GENIUS REMOTE CONTROL (CLU-612MP)



In addition to controlling all the functions on your HITACHI Projection TV, the remote control is designed to operate different types of VCRs, CATV (cable TV)/satellite converters, and audio equipment with one touch. Basic operation keys are grouped together in one area. All other controls are separated from them and arranged in MULTI-PAGE sections, with a display that can be switched to cover any of the three pages. Functions are arranged and properly categorized into windows, making operation simple when multiple functions are to be controlled.

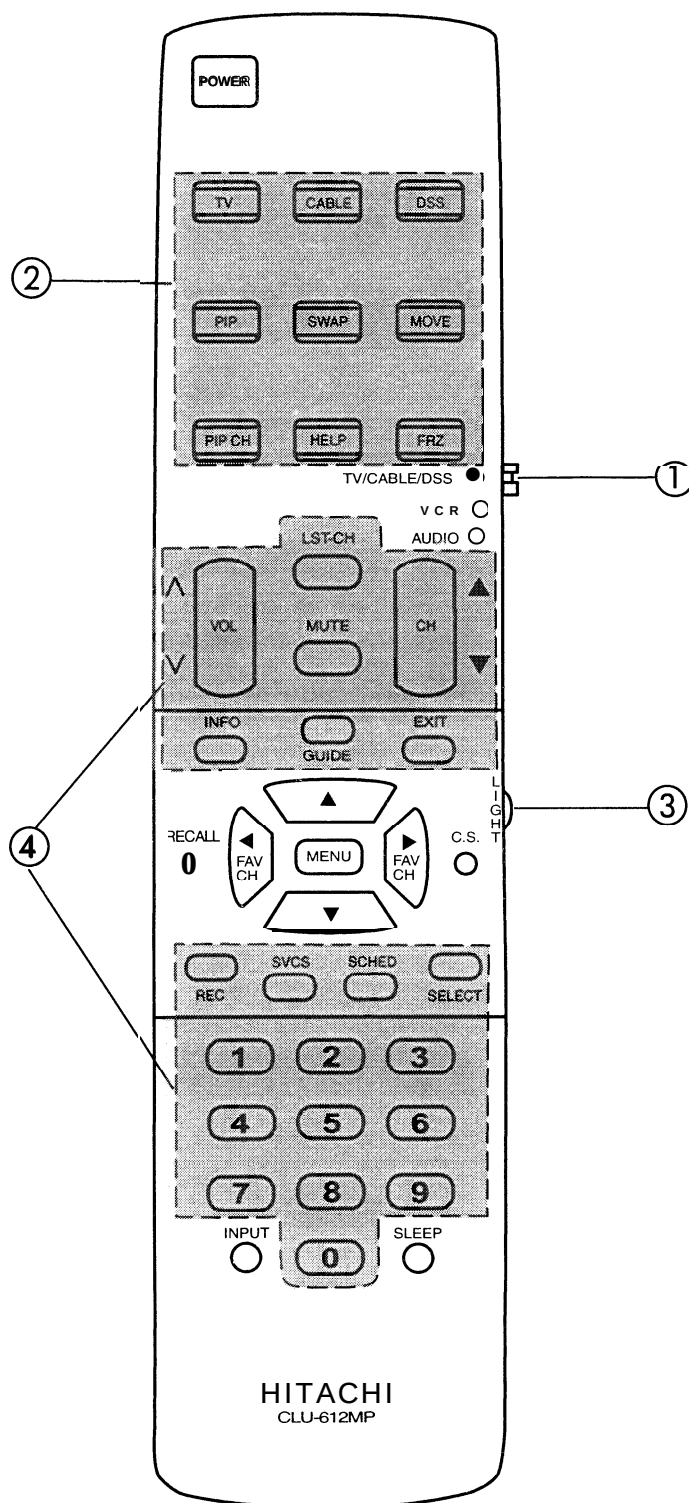
To operate your TV, slide the MULTI-PAGE select switch on the side of the remote to TV/CABLE/DSS mode. Press the TV button and the remote will now control your television.

To operate your cable box, slide the MULTI-PAGE select switch on the side of the remote to TV/CABLE/DSS mode. Press the CABLE button and the remote will now control your cable box. (See page 28 for instructions on how to program the remote to control your cable box.)

To operate your satellite box, slide the MULTI-PAGE select switch on the side of the remote to TV/CABLE/DSS mode. Press the DSS button and the remote will now control your satellite box. (See page 28 for instructions on how to program the remote to control your satellite box.)

To operate your VCR, slide the MULTI-PAGE select switch on the side of the remote to VCR mode. The remote will now control your VCR. (See page 27 for instructions on how to program the remote to control your VCR.)

To operate your audio equipment, slide the MULTI-PAGE select switch on the side of the remote to AUDIO mode. The remote will now control your audio equipment. (See page 29 for instructions on how to program the remote to control your audio equipment.)



1 MULTI-PAGE select switch

This selects the button layout of the multi-page section of the remote control.

2 MULTI-PAGE buttons

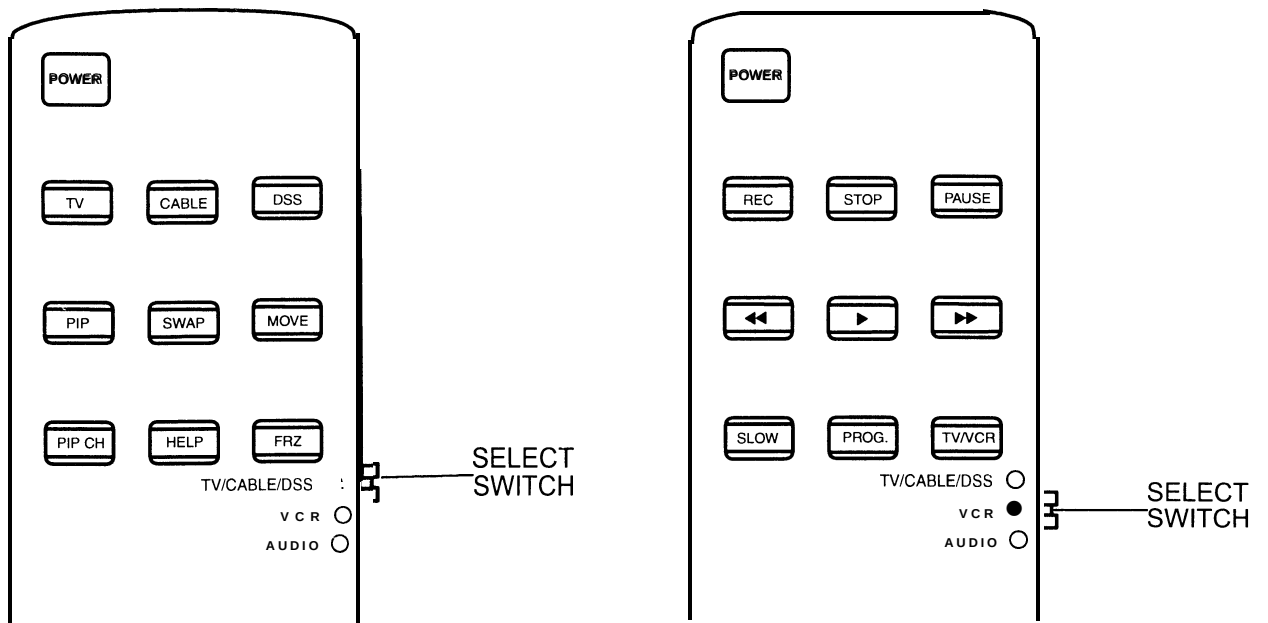
These buttons change functions as shown on page 20.

3 LIGHT button

When you are in a dark room, press this button on the side of the remote to light up the buttons shown in 4. The light will stay on for about eight seconds if the light button is not pressed again. These buttons will not appear to light if the room is too bright.

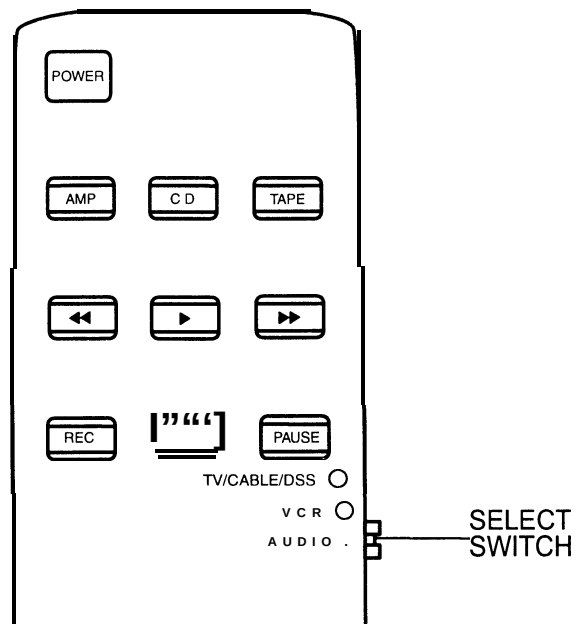


MULTI-PAGE WINDOWS



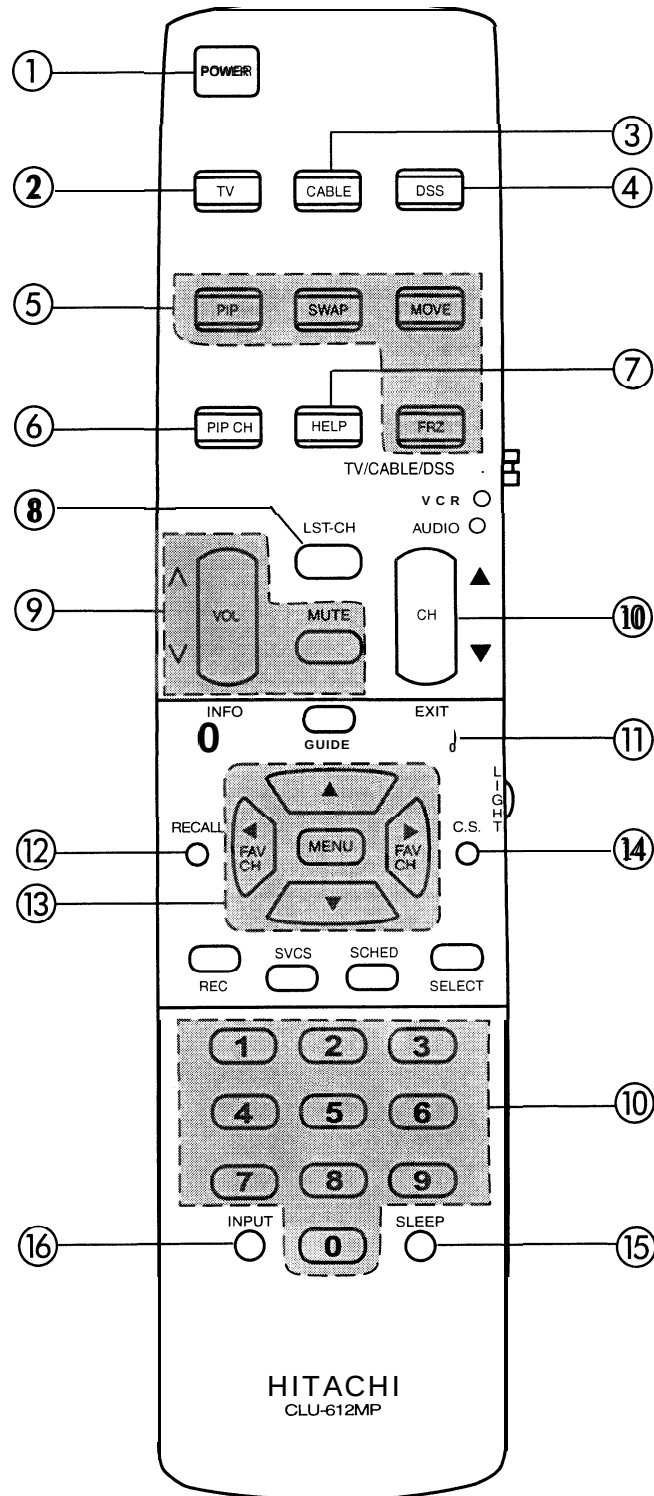
When "TV/CABLE/DSS" is set.

When "VCR" is set.



When "AUDIO" is set.

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 19 for instructions on how to set the remote control to TV mode.) If a Special Event Reminder is set, it will be displayed when the TV is first turned on. (See page 58.)

② TV button

Press this button to allow the remote to control your TV.

③ CABLE button

Press this button to allow the remote to control your cable box. (See page 28.)

④ DSS button

Press this button to allow the remote to control your satellite box. (See page 28.)



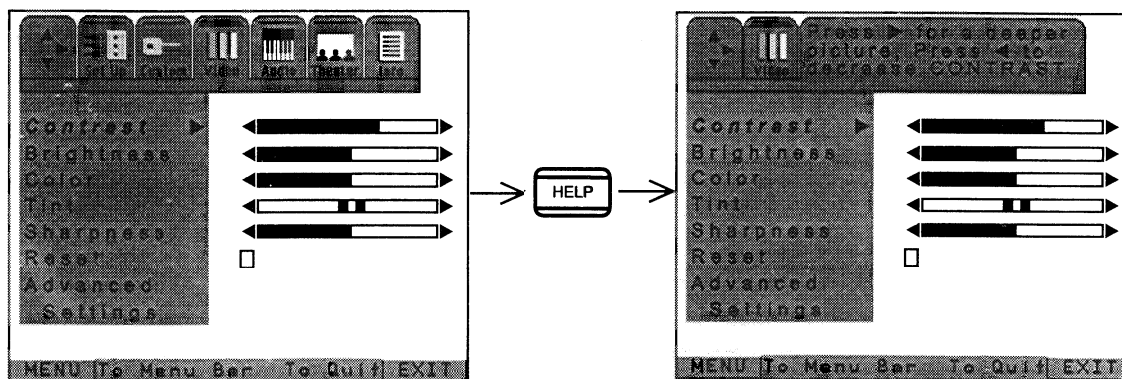
HOW TO USE THE GENIUS REMOTE TO CONTROL YOUR TV

- 5 PICTURE-IN-PICTURE buttons**
See separate section on page 24 for a description.

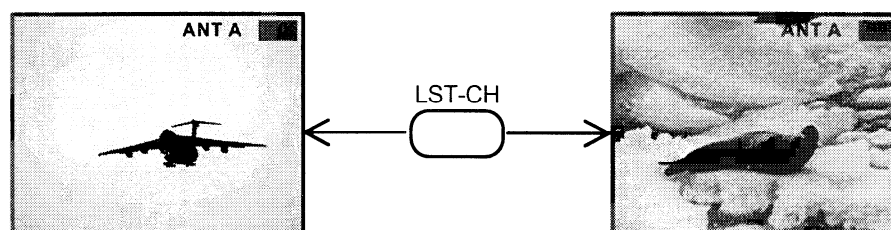
- 6 PIP CH button**
Use the PIP CH button to select between main picture and sub-picture tuning. A blue highlight of the channel number will indicate which channel is being controlled.

NOTE: On some models, if a video source is selected as main picture or sub-picture, a blue highlight will not appear.

- 7 HELP button**
Press this button when a menu is displayed to view HELP text, which gives a description of the displayed menu.

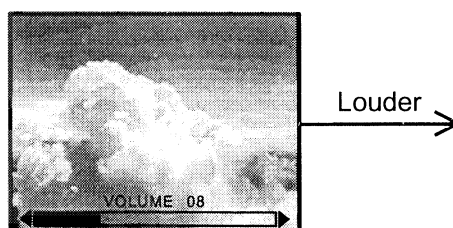


- 8 LAST CHANNEL (LST-CH) button**
Use this button to select between the last two channels viewed. (Good for watching two sporting events, etc.)



- 9 VOLUME, MUTE buttons**
Press the VOLUME up (A) or down (V) button until you obtain the desired sound level.

To turn the sound off instantly to answer the telephone, etc., press the MUTE button. Press the MUTE button again or press the VOLUME up (A) button to restore the sound.



- 10 CHANNEL SELECTOR buttons**
CHANNEL SELECTOR buttons are used to set Family Favorites, Channel Memory, etc.
Enter two or three numbers to select channels. Enter "0" first for channels 1 to 9. For channels 100 and above, press the "1" button, wait until another dash appears 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 (A) or down (▼).

NOTE: The TV may not receive some channels if you are not in the correct SIGNAL SOURCE mode. (See page 35.)

HOW TO USE THE REMOTE TO CONTROL YOUR TV



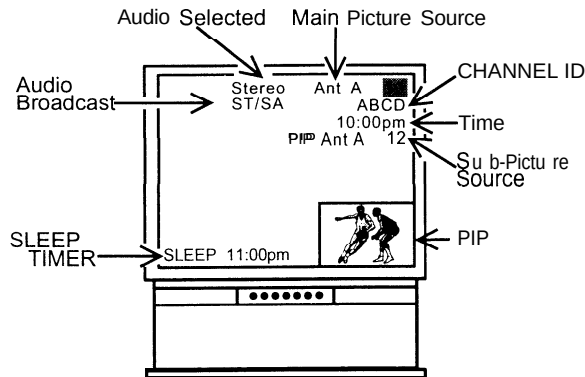
11 EXIT button

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

12 RECALL 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 has been set.

NOTE: If the SLEEP timer is set and the RECALL button is pressed, the time remaining will be displayed after the other On-Screen Displays time out.
On some models, once the SLEEP timer is set, the time remaining will not be displayed when the RECALL button is pressed.



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

1 MENU, CURSOR buttons

All the On-Screen Display features can be set or adjusted by using these buttons. The MENU button will start the On-Screen Display. The CURSOR buttons will highlight functions or adjust and set different features.

1 CHANNEL SKIP button

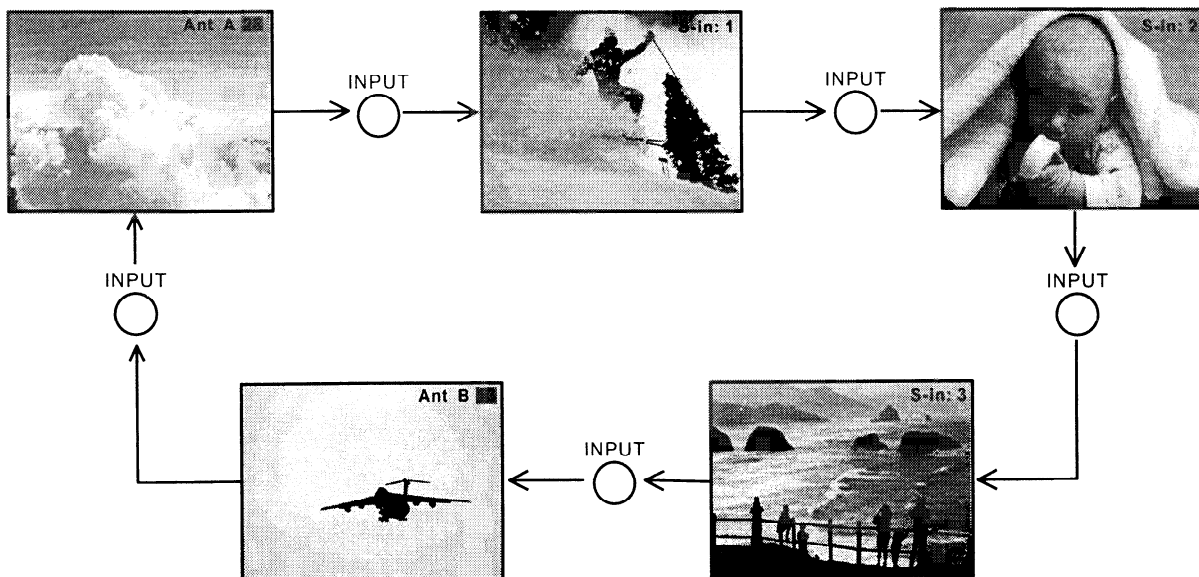
Press this button when no menu is displayed and the TV will tune to the last channel viewed. The user can change stations "SURF" to any station they wish, and after 90 seconds, tune back to the original channel.

1 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 RECALL when you want to view time remaining (some models only). If the SLEEP button is pressed while the timer is set, it will reset to the original condition.

1 INPUT button

The INPUT button will select between both antenna signals and the three sets of video input jacks each time the button is pressed. If the Picture-in-Picture is on, the INPUT button will select between the three sets of video input jacks and both antenna sources when main channel is chosen with the PIP CH button. If the sub-picture is chosen, the INPUT button will select between the three sets of video input jacks and the ANT A antenna source (ANT B source cannot be displayed as a PIP sub-picture.)



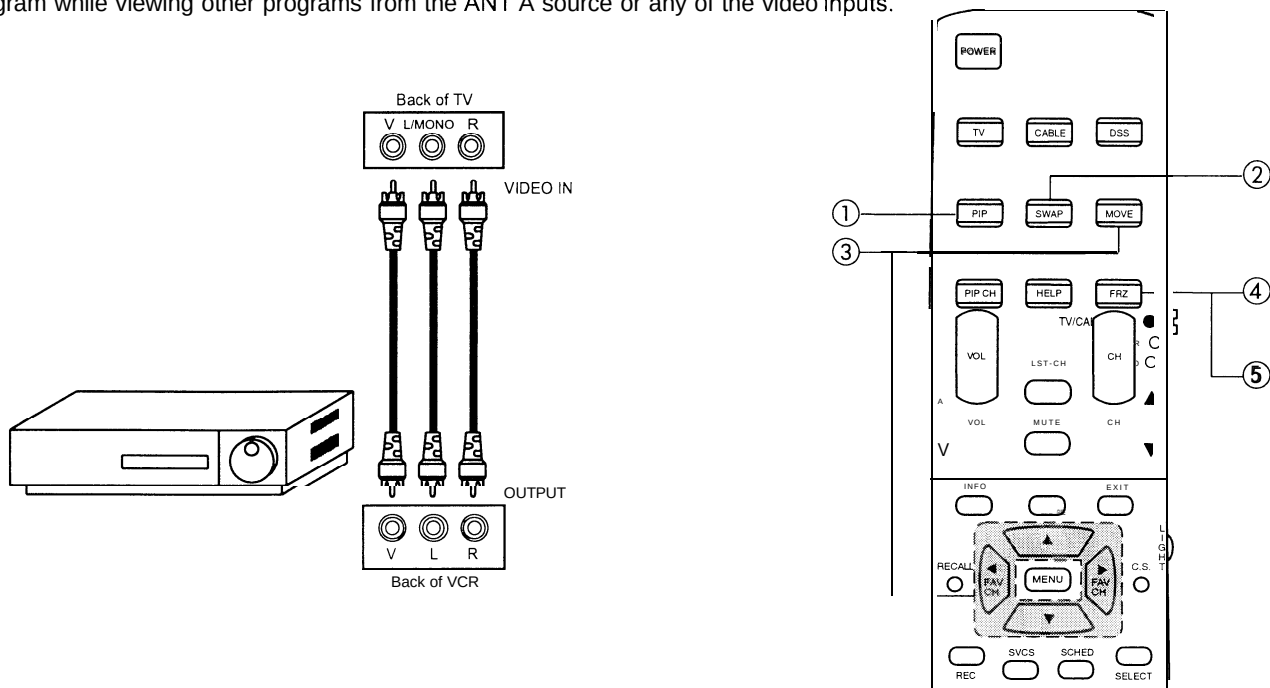


PICTURE-IN-PICTURE (PIP)

Your HITACHI Projection TV incorporates Dual Tuner technology designed for improved viewing enjoyment. This Dual Tuner feature allows you to view antenna inputs on both the main picture and sub-picture simultaneously, with separate tuning control for each. The Dual Tuner can operate with only one input (ANT A only) or two inputs (ANT A and ANT B).

ANT A input can be viewed as both the main picture and the sub-picture simultaneously. ANT B can only be viewed as a main picture. To select between main picture and PIP sub-picture tuning, press the PIP CH button on the remote. The blue highlight on the channel display will move with every press of the PIP CH button. When the blue highlight is on the top channel display, channel tuning is for the main picture. When the blue highlight is on the lower channel display, channel tuning is for the PIP sub-picture. This method of picture tuning is the same for one antenna input (ANT A only) and two antenna inputs (ANT A and ANT B).

The Picture-in-Picture feature is convenient when **you** want to watch more than one program at the same time. You can watch a TV program while viewing other programs from the ANT A source or any of the video inputs.

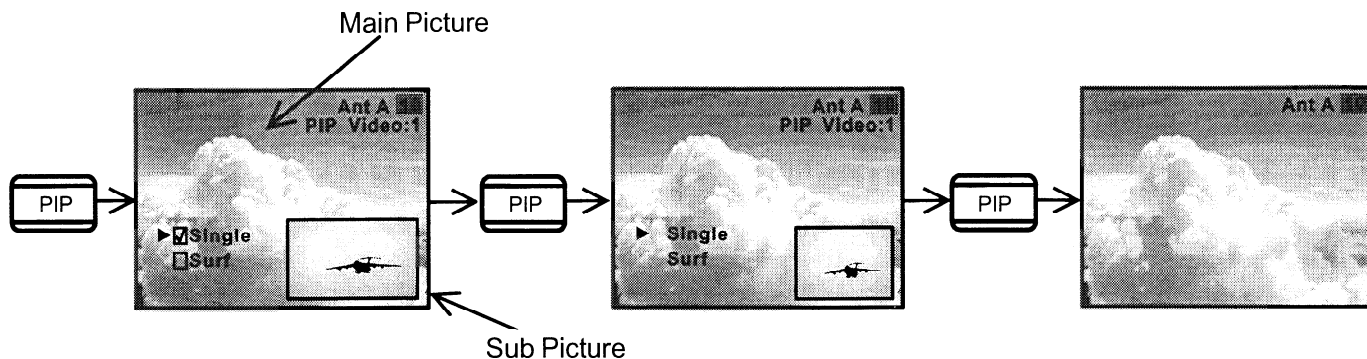


① PIP button

Press the PIP button and a sub-picture will appear in one of the two different modes (SINGLE or SURF), depending on the last selection of the PIP mode. To change the PIP mode use the CURSOR A or ▼ buttons and the new selection will appear the next time the PIP function is used.

SINGLE MODE PIP

Press the PIP button and a sub-picture appears in one corner of the screen. Press the button again to reduce the size of the sub-picture. Press the PIP button a third time to remove the sub-picture from the screen. Use the PIP CH button to select between main and sub-picture tuning control (indicated by blue highlight on channel display.) Press the INPUT button when sub-picture channel tuning is being controlled, to change between VIDEO: 1, VIDEO: 2, VIDEO: 3, and ANT A antenna source. (ANT B source cannot be viewed as a sub-picture.)



NOTE: Since ANT B source cannot be viewed as a sub-picture, only single PIP mode is possible when ANT B is selected as the main channel.

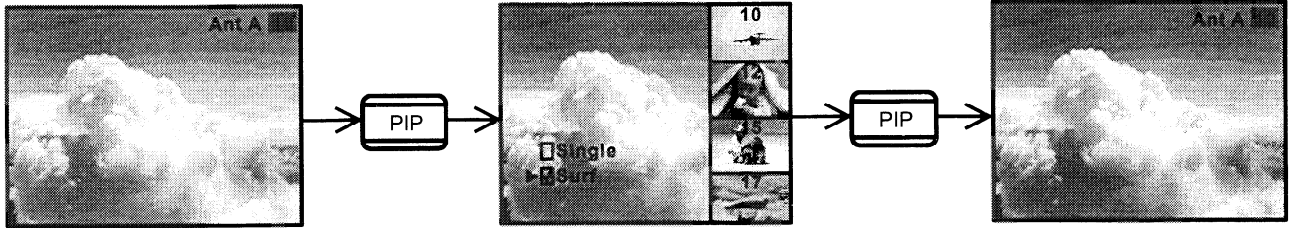
PICTURE-IN-PICTURE (PIP)



PICTURE-IN-PICTURE CONT.

SURF MODE PIP

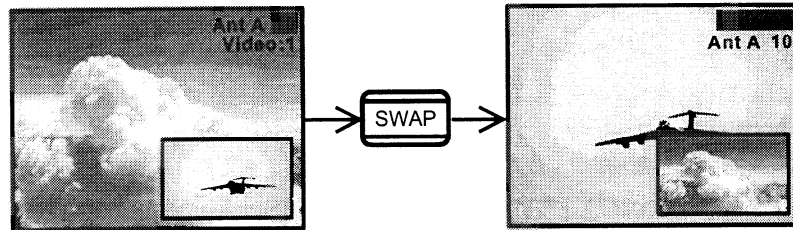
This feature will automatically scan all active channel numbers (those set in memory) and display them as PIP sub-pictures, along the right edge of the screen. Press the PIP button a second time to remove the sub-pictures from the screen.



- NOTE:** 1. If no buttons are pressed when in SURF mode, auto-scanning will continuously scan.
2. If a channel is tuned during this SURF scanning, sub-pictures will be removed from the screen.

2 SWAP button

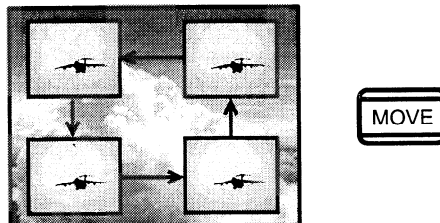
If you wish to switch what is being shown on the main picture to the sub-picture, press the SWAP button.



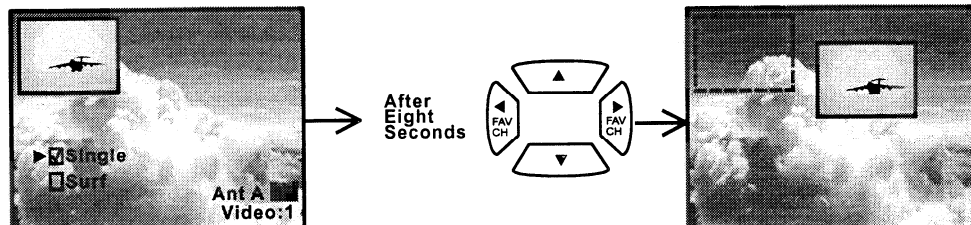
- NOTE:** 1. The SWAP button will only operate when SINGLE PIP mode is chosen.
2. The SWAP function will not operate if ANT B input is set as the main channel (ANT B input cannot be displayed as a sub-picture.)

3 MOVE button

To move the sub-picture to another corner, press the MOVE button. The sub-picture moves one step counterclockwise every time the MOVE button is pressed. (Example below illustrates the MOVE operation for initial shipping conditions. If you have customized a PIP position, the MOVE operation may differ slightly from this example.)



It is also possible to customize the PIP position. To do this, wait until the On-Screen Display disappears (about eight seconds) and then use the CURSOR ▲, ▼, ►, ◀ buttons.





PICTURE-IN-PICTURE (PIP)

④ FREEZE (FRZ) button (With PIP ON)

If you wish to freeze the sub-picture, press the FRZ button. This is convenient when trying to write down the address for a mail order company, recording statistics for a sporting event, etc. To return the picture to motion, press the FRZ button again.

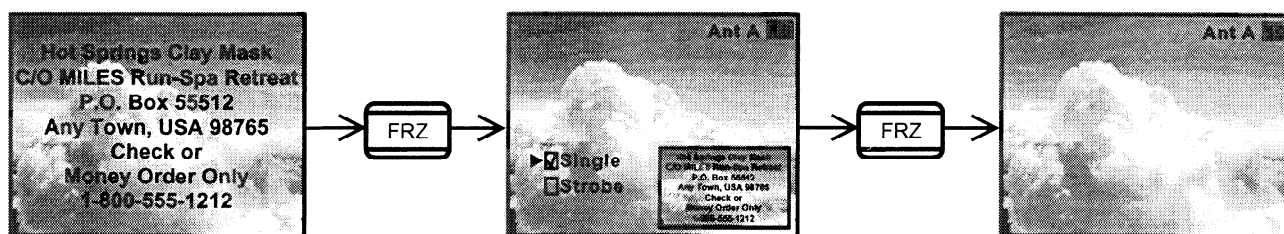
NOTE: The FREEZE function will only operate when SINGLE PIP mode is chosen.

⑤ FREEZE (FRZ) button (With PIP OFF)

Press the FRZ button to freeze one or four frames of the picture, depending on the mode previously selected (SINGLE or STROBE). To change FREEZE modes, use cursor A or ▼ to select which type of FREEZE mode you wish to view. The new selection will appear the next time the FREEZE function is used.

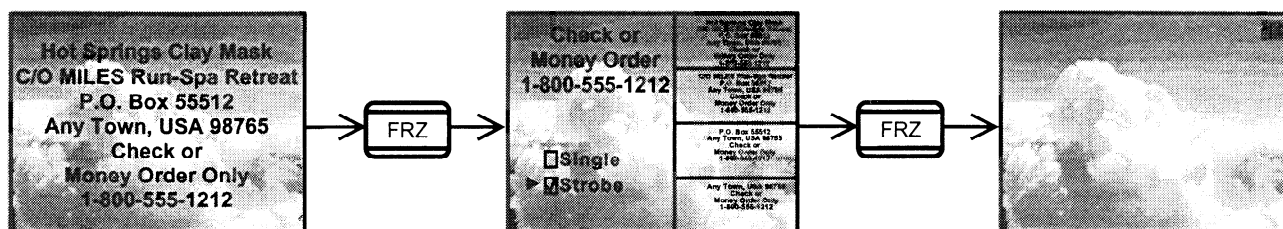
SINGLE FREEZE

Press the FRZ button to freeze one frame of the picture you are currently viewing. Press this button again or PIP to return to normal viewing.



STROBE FREEZE

Press the FRZ button to freeze four frames of the picture you are currently viewing. Press this button again or PIP to return to normal viewing. This feature is useful for viewing a moving picture that has many details, for example, a close play in a sporting event or golf swing.



CAUTION: A pattern burn may develop if the sub-picture is left in the same corner permanently. If the PIP feature is used frequently, occasionally MOVE the sub-picture to a different corner. You may also vary its position using the CURSOR ◀, ▶, A, or ▼ buttons.

NOTE:

1. Only sound from the main picture can be heard, unless you choose sub-picture audio from THEATER-WIRELESS SOUND mode and use the WIRELESS OUT outputs on the rear panel. (See page 56.)
2. Each freeze frame is delayed about 0.1 (1/10) second.

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 30.)

1. Set the MULTI-PAGE select switch to VCR.
2. Turn ON your VCR.
3. Aim the remote control at the front of your VCR.
4. Hold down the PROG button on the remote, enter the two digit preset code that matches your VCR as shown in page 30. 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 after five seconds, try a different two digit preset code.
5. The remote will now control your VCR.

NOTES:

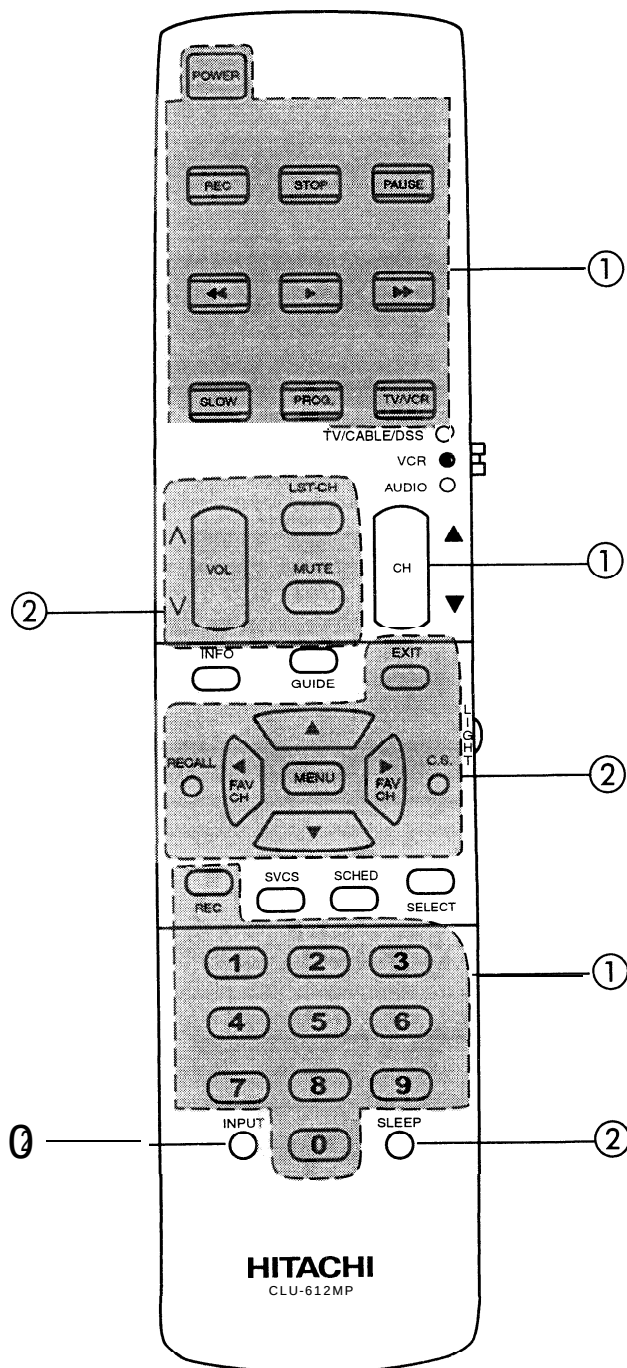
1. If your VCR cannot be operated after performing the above procedures, your VCR's code has not been precoded into the remote.
2. In the unlikely event that your VCR cannot be operated after performing the above procedures, please consult your VCR operating guide.
3. The remote control will remember 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. If your VCR does not have a power function, the remote will issue the CHANNEL UP function.
5. The MENU button will act as the VCR MENU button for HITACHI VCRs.
6. The LST-CH button will act as your VCR ENTER button if required.
7. The SLEEP button will act as your VCR '100' button if required.
8. The REC button must be pressed two times to begin VCR recording. This button will also act as the VCR record button when the remote is in CABLE or DSS mode.

① PRECODED VCR buttons

These buttons transmit the chosen precoded VCR codes.

② EXCLUSIVE TV buttons

These buttons are for operating the TV.





USING THE REMOTE TO CONTROL CABLE, BOX/SATELLITE FUNCTIONS

Operating the precoded function for your cable/satellite box.

This remote is designed to operate different types of cable boxes and satellite systems. You must first program the remote to match the remote system in your cable/satellite box. (Refer to page 30.)

1. Set the MULTI-PAGE select switch to TV/CABLE/DSS.
2. Turn ON your cable/satellite box.
3. Press the CABLE button on the remote to switch to CABLE mode, or the DSS button to switch to DSS mode.
4. Aim the remote control at the front of your cable/satellite box.
3. Hold down the CABLE/DSS button on the remote, enter the two digit preset code that matched your cable/satellite box as shown on page 30. The remote will turn off your cable/satellite box when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your cable/satellite box. If the cable/satellite box does not turn off after five seconds, try another two digit preset code.
4. The remote will now control your cable/satellite box.

NOTES:

1. If your cable/satellite box cannot be operated after performing the above procedures, your cable/satellite box code has not been precoded into the remote.
2. In the unlikely event that your cable/satellite box cannot be operated after performing the above procedures, please consult your cable/satellite 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. If your cable/satellite box does not have a power function, the remote will issue the CHANNEL UP function.
5. The LST-CH button will act as the cable box ENTER button if required.
6. The SLEEP button will act as your cable box '100' button if required.
7. The INPUT button will act as the TV/DSS button when in DSS mode.

① PRECODED CABLE BOX buttons

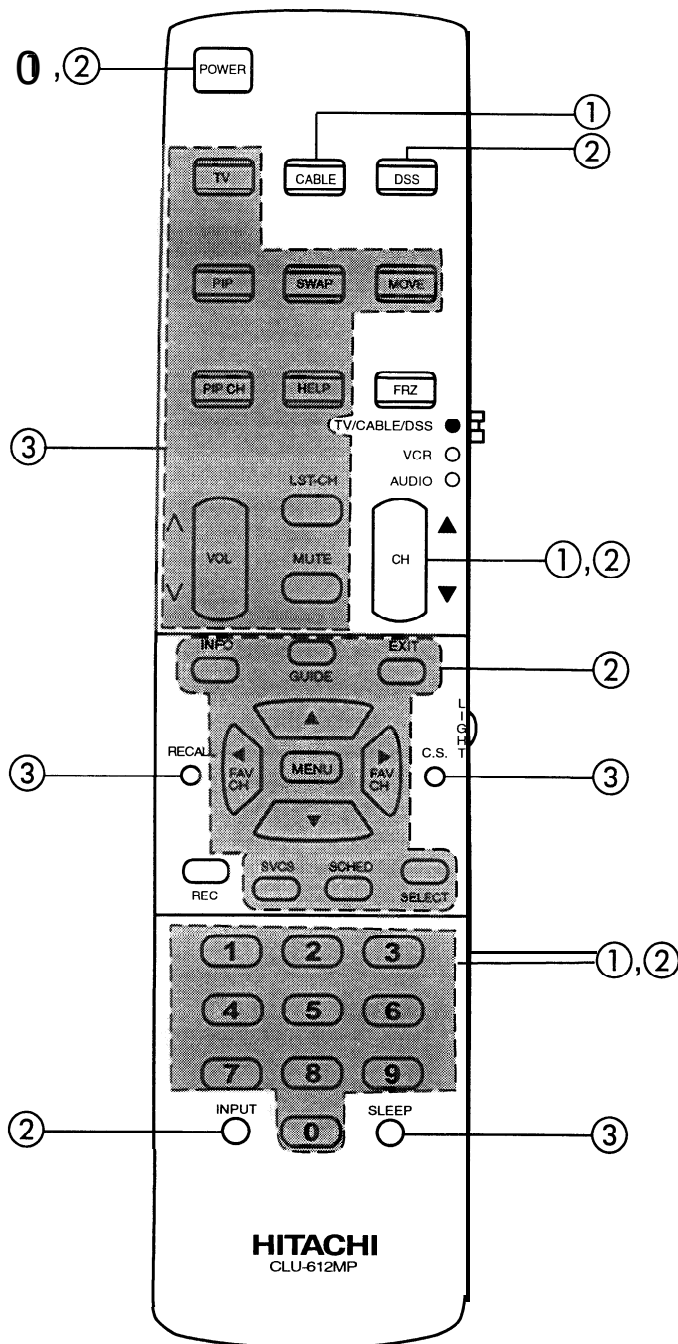
These buttons transmit the chosen precoded cable codes.

② PRECODED SATELLITE BOX buttons

These buttons transmit the chosen precoded satellite codes.

③ EXCLUSIVE TV buttons

These buttons are for operating the TV.



USING THE REMOTE TO CONTROL AUDIO EQUIPMENT FUNCTIONS



Operating the precoded function for your audio equipment.

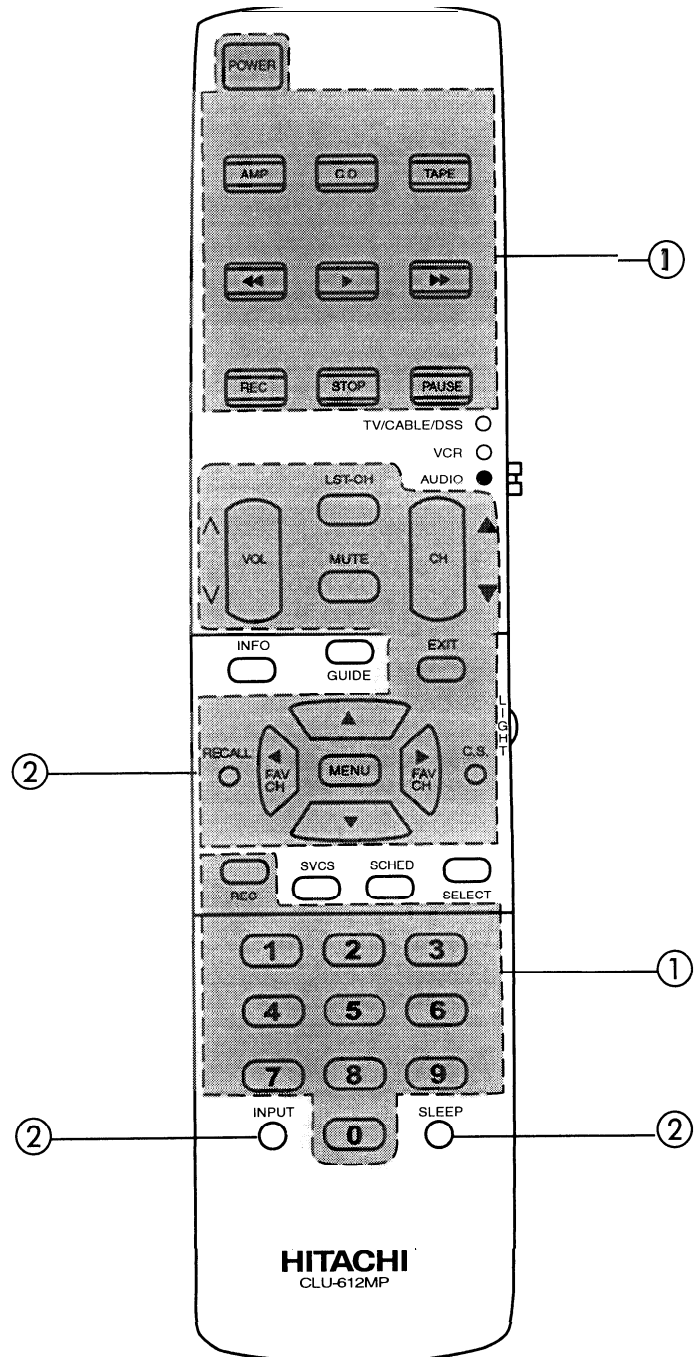
This remote is designed to operate certain types of audio equipment. You must first program the remote to match the remote system of your audio equipment. (Refer to page 30.)

1. Set the MULTI-PAGE select switch to AUDIO.
2. Turn ON the audio component you wish to control with your remote control (AMP, CD, or TAPE).
3. Aim the remote control at the front of your audio equipment.
4. Hold down the button on the remote which corresponds with the component you wish to control (AMP, CD, or TAPE), enter the two digit preset code that matches your audio component as shown on page 30. The remote will turn off your audio component when the correct two 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 after five seconds, try a different two digit preset code.
5. The remote will now control your audio component.
6. Repeat steps 2-5 until all audio equipment preset codes are programmed into the remote.

NOTES:

1. If your audio equipment cannot be operated after performing the above procedures, your audio component 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 components 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. If your audio component does not have a power function, the remote will issue another obvious function that the audio component will respond to, such as CD open /close.
5. The default for AUDIO mode is AMP.
6. If you wish to control your receiver or miscellaneous audio equipment, you must follow the remote programming procedure shown above. You may use only the AMP button to program these codes, but note that this button may not be used for more than one component.
7. The LST-CH button will act as your audio component's ENTER button if required.
8. The SLEEP button will act as your audio components '100' button if required.

- ① PRECODED AMP, CD, or TAPE buttons**
These buttons transmit the chosen precoded audio component codes.
- ② EXCLUSIVE TV buttons**
These buttons are for operating the TV.





AUDIO, CABLE/SATELLITE, AND VCR CODES

AMPLIFIER BRAND	CODE
Aiwa	.04, 05
Carver	.00, 05, 06, 07
Casio	.08
Clarinet	.08
Denon	.09
Fisher	.07, 10
Hitachi	.11
JVC	.12
Kenwood	.13, 14, 16, 17
Lloyd's	.08
Magnavox	.00, 05, 08
Marantz	.00, 05, 15
MCS	.15
Modulaire	.08
Onkyo	.18
Optimus	.02, 03, 10, 14, 19
Panasonic	.15
Penney	.08
Philips	.00, 05
Pioneer	.02, 03, 19, 20, 21
Quasar	.15
Realistic	.08
Sansui	.05
Sanyo	.10
Sharp	.14
Sony	.04
Technics	.01, 15, 22, 23, 24
Victor	.12
Wards	.02, 04, 05, 07, 19, 20
Yamaha	.14, 25
Yorx	.08

CABLE BRAND	CODE
ABC	.00, 07, 08, 18, 19, 21, 37, 38, 53
Antronix	.40
Archer	.12, 25, 40
Belcor	.33
Cable Star	.33
Century	.12
Citizen	.12
Colour Voice	.31, 45
Comtronics	.26, 29
Contec	.22
Dae Ryung	.21
Eastern	.15
Electricord	.32
Everquest	.56
Focus	.57
Garrard	.12
GC Electronics	.33, 40
Gemini	.04, 39, 44, 56
General Instrument	.00, 13
Gold Star	.11, 26
Hamlin	.03, 09, 14, 23, 24
Hitachi	.00
Hytex	.37
Jasco	.12
Jerrold	.00, 08, 13, 38, 53, 55, 56
Macom	.36
Magnavox	.16
Memorex	.02
Movie Time	.30, 32, 34
NSC	.30, 34, 39
Oak	.22, 37, 50
Panasonic	.02, 10, 49
Paragon	.02
Philips	.12, 16, 17, 27, 31, 43, 44, 45, 47
Pioneer	.06, 11, 20
Popular Mechanics	.57
Pulsar	.02
RCA	.49
Realistic	.40
Recoton	.57
Regal	.03, 09, 23, 35
Regency	.15
Rembrandt	.00, 39
Runco	.02
Samsung	.11, 26
Scientific Atlanta	.18, 21, 42, 48
Signal	.26, 56

Signature	.00
SL Marx	.26
Sprucer	.01, 49
Starcom	.38, 53, 56
Stargate	.26, 56
Starquest	.56
Starsight	.58, 59
Sylvania	.19
Televue	.26
Texscan	.19
Tocom	.07, 28, 55
Toshiba	.02
Tusa	.56
TV86	.30
Unika	.12, 40
United Artists	.37
United Cable	.53
Universal	.12, 25, 32, 33, 35, 40
Videoway	.51
Viewstar	.16, 29, 30, 41
Zenith	.02, 52, 60
Zentek	.57

TAPE BRAND	CODE
Aiwa	.58, 59
Hitachi	.47, 48, 49, 50
Jerrold	.60, 61
JVC	.51
Kenwood	.52
Optimus	.53
Panasonic	.54
Pioneer	.53
Scientific Atlanta	.62
Sony	.55, 56, 58, 59
Starcom	.60
Wards	.53

CD BRAND	CODE
Adcom	.26
Aiwa	.27
California Audio Lab	.28
Carver	.27
Denon	.29
DKK	.30
Emerson	.26
Fisher	.31
Genexxa	.32
Hitachi	.26, 32, 33, 34, 35, 36, 37
JVC	.38
Kenwood	.31, 39, 40
Krell	.27
Magnavox	.27
Marantz	.27, 28
MCS	.28
Mission	.28
NSM	.27
Onkyo	.41
Optimus	.30, 32, 42
Panasonic	.28
Philips	.27
Pioneer	.32, 42
Proton	.27
QED	.27
Quasar	.28
RCA	.26, 33
Realistic	.26
Rotel	.27
SAE	.27
Sansui	.27
Scott	.26
Sony	.30, 44
Technics	.28, 45, 46
Victor	.38

MISC BRAND	CODE
Aiwa	.58, 59
Jerrold	.60, 61
Scientific Atlanta	.62
Sony	.58, 59
Starcom	.60

RECEIVER BRAND	CODE
Aiwa	.04, 05
Carver	.05, 06, 07
Casio	.08
Clarinet	.08
Denon	.09
Fisher	.07, 10
Hitachi	.11
JVC	.12
Kenwood	.13, 14, 16, 17
Lloyd's	.08
Magnavox	.05, 08
Marantz	.05, 15
MCS	.15
Modulaire	.08
Onkyo	.18
Optimus	.10, 14, 19
Panasonic	.15
Penney	.08
Philips	.05
Pioneer	.02, 19, 20, 21
Quasar	.15
Realistic	.08
Sansui	.05
Sanyo	.10
Sharp	.14
Sony	.04
Technics	.15, 22, 23, 24
Victor	.12
Wards	.04, 05, 07, 19, 20
Yamaha	.14, 25
Yorx	.08

DSS BRAND	CODE
Hitachi	.61
RCA	.62
Sony	.63

VCR BRAND	CODE
Adventura	.00
Aiko	.08
Aiwa	.00
Akai	.01, 48, 49
American High	.22
Asha	.45
Audiovox	.23
Beaumarck	.45
Bell & Howell	.32
Brandt	.43
Broksonic	.33, 34, 42, 51, 52
Calix	.23
Canon	.22
Capehart	.06
Carver	.31
CCE	.08, 30
Citizen	.08, 23
Colt	.30
Craig	.18, 23, 30, 45
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