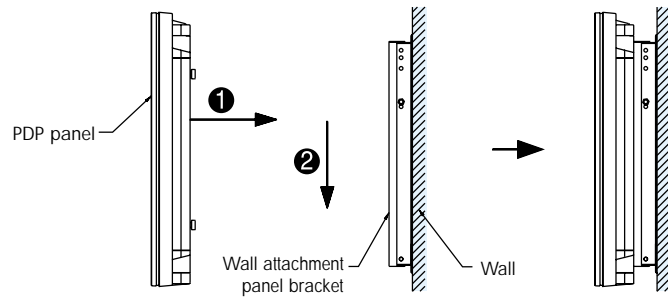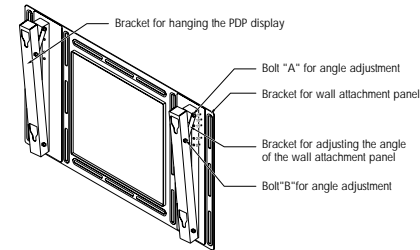4 After inserting the plastic hangers of the PDP panel into the groove of the wall attachment panel(❶), lift down (❷) and tightly hang the PDP panel on the wall attachment panel.

PDP panel

Wall attachment
panel bracket — Wall

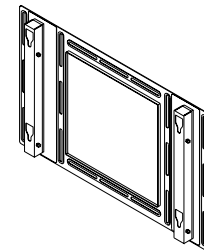## ● Adjusting the angle of the wall attachment panel

Adjust the angle you want before installing the wall attachment panel on the wall.
Notice : The factory default angle is 5 degrees.

Changing the angle to 0 degree

Bracket for hanging the PDP display

Bolt "A" for angle adjustment
Bracket for wall attachment panel

Bracket for adjusting the angle
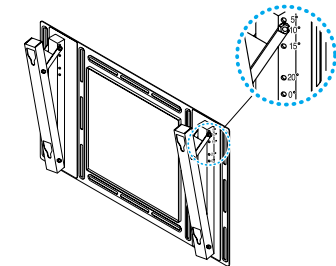of the wall attachment panel

Bolt"B"for angle adjustment

1 Loosen the screws for adjusting the wall attachment panel, "A" and "B".

2 Remove the bracket for adjusting the angle of the wall attachment panel.

3 Fit the bracket for hanging the PDP display into the hole on the PDP display.

4 Fit the screw for adjusting the wall attachment panel into the hole indicated by 0 degree and tighten it again.

Factory default

The factory default angle of wall
attachment panel is 5 degrees.

Changing the angle to 10 degrees

1 Loosen the screw for adjusting the wall attachment panel, "A".

2 Fit the bracket for angle adjustment to the hole indicated by 10 degrees on the wall attachment panel.

3 Fit the screw "A" for adjusting the wall attachment panel to the hole indicated by 0 degree and tighten it again.

• Change the angle to 15 degrees, 20 degrees and other degrees
in the same methods as 10 degrees.
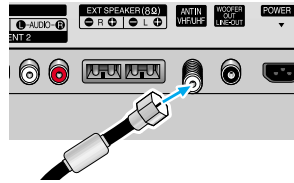
SAMSUNG

Connections

Connecting VHF and UHF Antennas

Antennas with 75-ohm Round Leads

If your antenna looks like this: it has 75-ohm round leads.

1 Plug the antenna lead into the VHF/UHF terminal on the PDP.
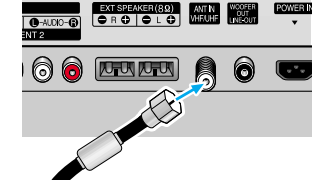Use the Antenna Cable (BN39-00333A), an accessory included in the product package.

Connecting Cable TV

You can connect different cable systems to your PDP, including cable without a cable box, and cable with a cable box that descrambles some or all channels.

Cable without a Cable Box

1 Plug the incoming cable into the VHF/UHF terminal on the PDP.
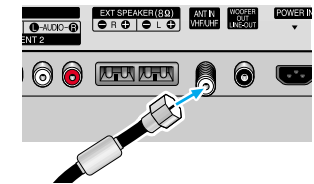Use the Antenna Cable (BN39-00333A), an accessory included in the product package.

Cable with a Cable Box that Descrambles All Channels.

1 Find the cable connected to the ANTENNA OUT terminal on your cable box. This terminal might be labeled "ANT OUT", "VHF OUT", or simply "OUT".

2 Connect the cable to the VHF/UHF terminal on the PDP.
Use the Antenna Cable (BN39-00333A), an accessory included in the product package.
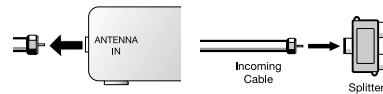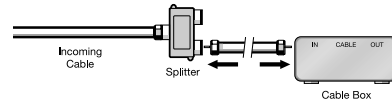
Cable with a Cable Box that Descrambles Some (But Not All) Channels

To complete this connection you will need a two-way splitter, a RF (A/B) switch, and four coaxial cables (which you can buy from your Samsung dealer or any electronics store).
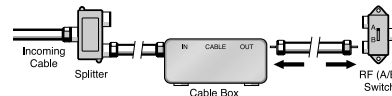
1 Find and disconnect the cable that is connected to the ANTENNA IN terminal of your cable box.
This terminal might be labeled "ANT IN", "VHF IN", or simply, "IN". Connect this cable to a two-way splitter.
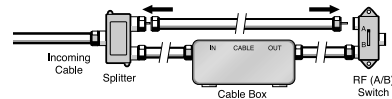
2 Connect a coaxial cable between an OUTPUT terminal of the splitter and the IN terminal of the cable box.
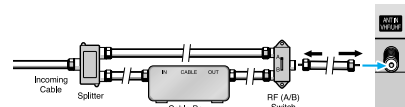
3 Connect a coaxial cable between the ANTENNA OUT terminal of the cable box and the B-IN terminal of the A/B switch.
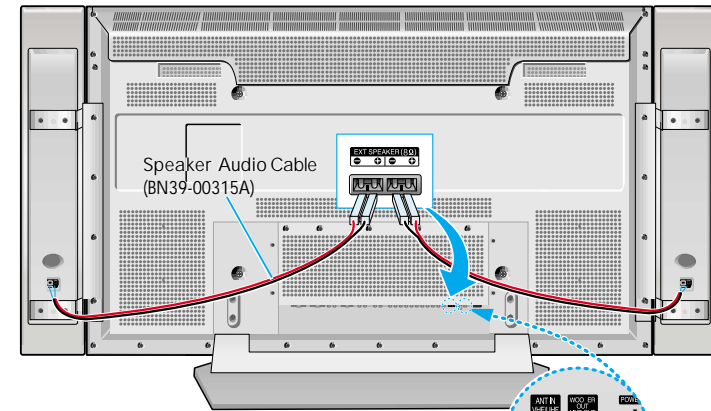
4 Connect a coaxial cable between the ANTENNA OUT terminal of the cable box and the B-IN terminal of the A/B switch.

5 Connect the last coaxial cable between the OUT terminal of the RF (A/B) switch and the VHF/UHF terminal on the PDP.

After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your Set-Top Box to the cable box's output channel, which is usually channel 3 or 4.)

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Connecting Speakers

External speakers are sold saparately. Check with your dealer.

Speaker Audio Cable (BN39-00315A)

✶ External speakers MUST have to a power handling capability of 10 watts minimum (impedance 8 ohm).

Subwoofer Speaker (Option)

How to Connect

Connect the speaker audio cable to the external speaker output jack on the PDP matching the "+" and "-" ends of the cable with the diagram on the PDP.

Connecting PDP and Speakers

1 Fix the bracket onto the guide pole located on the rear of speaker and fasten the screws.

2 After removing the four screws on the rear of PDP.

3 As shown in figure, insert the loop on a speaker into the groove on the PDP.

4 Clamp the speaker and the PDP together and fasten the screws.

Guide pole

Guide pole

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Connecting a VCR

Connecting a Camcorder

Connecting a VCR to the Video or S-Video/Audio jack

PDP

VCR

Power Plug

Ferrite Cores (3301-001110)

Audio Cable

S-Video Cable

or

Video Cable

ANT OUT   (L)   (R)   ANT IN
AUDIO OUT   S-VIDEO OUT   VIDEO OUT

How to Connect

Connect the Video/Audio cables between the AUDIO(L/R)/VIDEO jacks on the PDP and AUDIO/VIDEO OUT jacks on the VCR. (Note: For better video, you can use an S-Video cable.)

Videotape Playback:

1. Turn on your PDP, and press the SOURCE button on the remote control.

2. Move the joystick up or down to select "Video" or "S-Video", then press the joystick to enter.

3. Turn on your VCR, insert a videotape and press the play button.

Ferrite Cores (3301-001110)
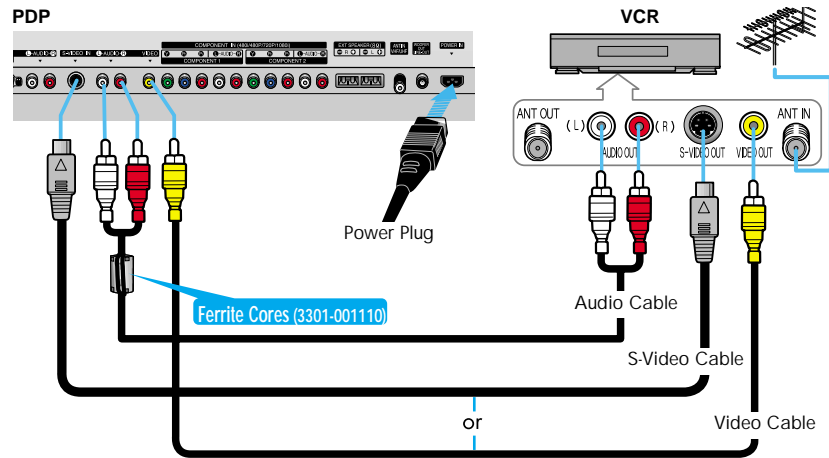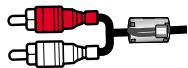
The ferrite cores are used to attenuate undesired signals. When connecting audio cable (PC, DVI, S-Video, Video) , attach one of these ferrite cores to the cable near the connector.

When you connect the audio cable (PC, DVI, S-Video, Video) to the connectors, first bind round the ferrite core to secure it.

Viewing camcorder tapes

PDP

Camcorder

Power Plug

Ferrite Cores (3301-001110)

Video Cable

Audio Cable

OUT   IN

(L)   (R)
AUDIO OUT   VIDEO OUT

How to Connect

Connect a Video/Audio cable between the AUDIO(L/R)/VIDEO jacks on the PDP and the VIDEO/AUDIO OUTPUT jacks on the camcorder.

Viewing Tapes

1. Turn on your PDP, and press the SOURCE button on the remote control.

2. Move the joystick up or down to select the "Video", then press the joystick to enter.

3. Turn on your camcorder and set it to Video Mode. (For details, refer to your camcorder owner's instructions.)

4. Set the IN/OUT switch on your camcorder to OUT.

5. Insert the tape into the camcorder and press the Play button.

Connecting a DVD Player (480i, 480p)

Playing DVD

PDP **DVD Player**

Power Plug

Video Cable

Audio Cable

How to Connect

1 Connect a Video Cable between the Y, Pb, Pr (COMPONENT1, 2) input jacks on the PDP and Y/P$_B$/P$_R$ output jacks on the DVD players.

2 Connect a Audio Cable between the AUDIO L/R(COMPONENT1, 2) input jacks on the PDP and the AUDIO OUT jacks on the DVD player.

To Play DVD:

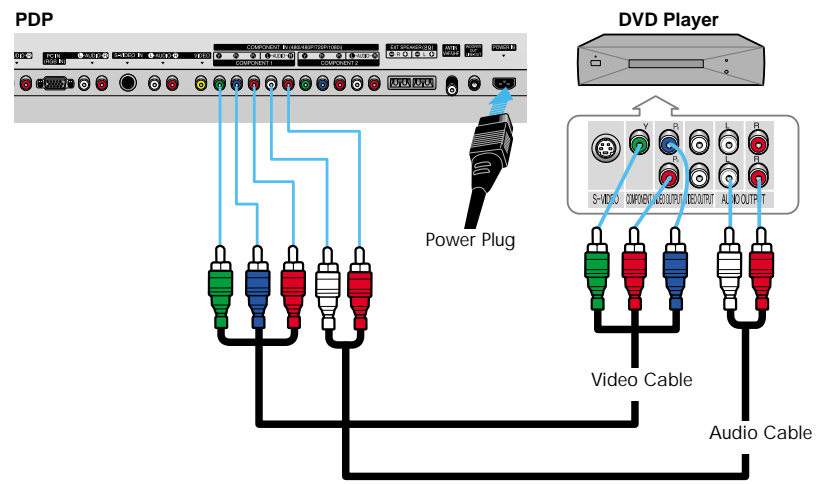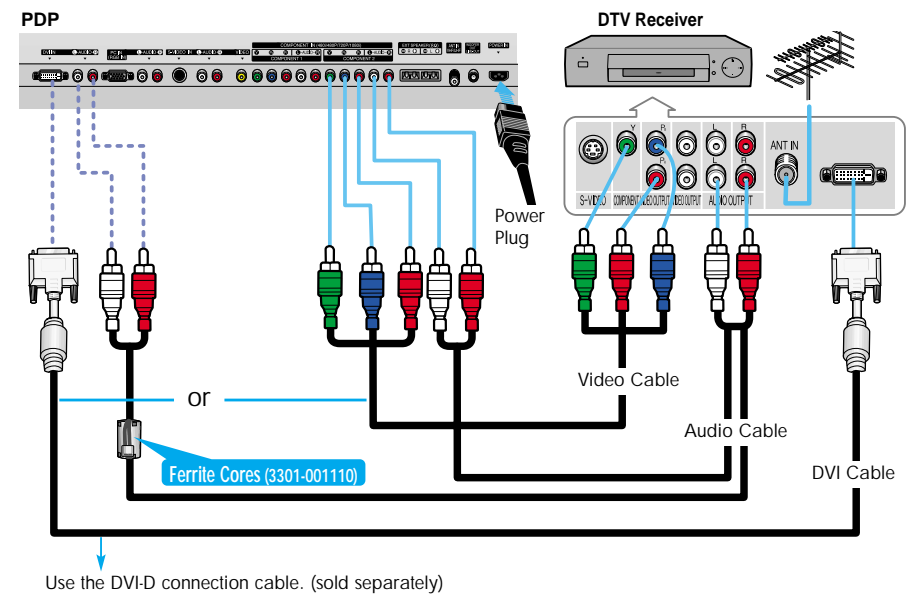1. Turn on your PDP, and press the SOURCE button on the remote control.
2. Move the joystick up or down to select the "COMPONENT1" or "COMPONENT2", then press the joystick to enter.
3. Turn on your DVD player, insert a DVD disc and press the Play button.
   • For an explanation of Component video, see your DVD owner's instructions.

Connecting a DTV Receiver
(480p, 720p, 1080i)

Watching DTV

PDP **DTV Receiver**

Power Plug

Video Cable

Audio Cable

or

Ferrite Cores (3301-001110)

DVI Cable

Use the DVI-D connection cable. (sold separately)

How to Connect

1 Connect the cable or antenna to the antenna input jack on the DTV.

2 Connect a Video cable between the Y, Pb, Pr (COMPONENT 1, 2) or DVI jack on the PDP and the Y, P$_B$, P$_R$ (VIDEO OUTPUT JACKS) on the DTV receiver.

3 Connect an Audio cable between the COMPONENT 1, 2 (L/R AUDIO) or DVI jacks on the PDP and the AUDIO OUTPUT jacks on the DTV.

To Watch DTV:

1. Turn on your PDP, and press the SOURCE button on the remote control.
2. Move the joystick up or down to select the "COMPONENT1 ", "COMPONENT2" or "DVI", then press the joystick to enter.
3. Turn on your DTV receiver.
   • For an explanation of Component video, see your DTV receiver owner's instructions.

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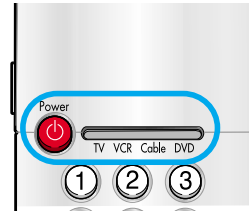# Operation

Turning the PDP On and Off

Turning the PDP On and Off

Press the Power button on the remote control.
The PDP will be turned on and you will be ready to use it's features.
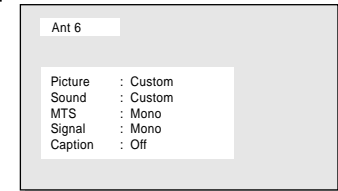You can also use the Power button on the front of the PDP.

Notes:

• If your PDP isn't turned on when the power button is pressed: Press the MODE button to check if the TV mode has been chosen (TV VCR Cable DVD).

Displaying Status Information

Press the Display button on the remote control. The PDP will display the Picture mode, Sound mode, MTS, Signal and Caption.

Ant 6	
Picture	: Custom
Sound	: Custom
MTS	: Mono
Signal	: Mono
Caption	: Off

Viewing the Menus and Displays

Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

Viewing the Menus

1 With the power on, press the Menu button on the remote control. The main menu appears on the screen. The Picture menu is selected.

	Picture	
Mode	◄ Custom ►	
Adjust		
Color Tone	◄ Normal ►	
◆ Move	Enter	Exit

2 Use the joystick (up, down) button to move items in the menu. Use the joystick (left, right) button to display, change, or use the selected items.
Use the joystick (↵) button to enter items in the menu. On screen menus disappear from the screen automatically after about thirty seconds, or you can press the Menu button on your remote control to exit the menu.

Memorizing the Channels

Your PDP can memorize and store all of the available channels for both "off-air" (antenna) and cable channels. After the available channels are memorized, use the CH ⋀ and CH ⋁ buttons to scan through the channels. This eliminates the need to change channels by entering the channel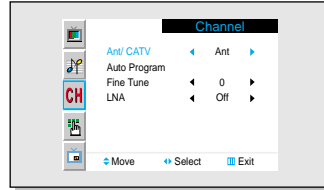 digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).
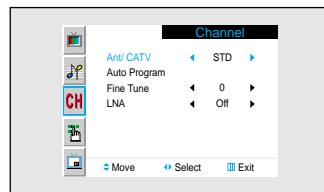
Selecting the Video Signal-source

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the PDP (i.e., an antenna or a cable system).

1 Press the Menu button. Move the joystick up or down to select "Channel", then press the joystick to enter.

	Channel
Ant/ CATV	◄ Ant ►
Auto Program	
Fine Tune	◄ 0 ►
LNA	◄ Off ►
	⬍ Move ◄► Select ▥ Exit

2 Move the joystick left or right to select "Ant", "STD", "HRC" or "IRC".
   • If you are connected to an antenna, leave "Ant" displayed. If you connected cable, Move the joystick left or right to the display the type of cable system: "STD", "HRC", or "IRC". (If you are not sure which type of cable system you have, contact your cable company).

	Channel
Ant/ CATV	◄ STD ►
Auto Program	
Fine Tune	◄ 0 ►
LNA	◄ Off ►
	⬍ Move ◄► Select ▥ Exit

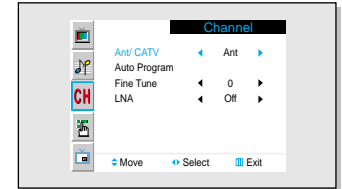3 Press the Menu button to exit.

Note
• STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.
At this point the signal source has been selected. Proceed to "Storing Channels in Memory" (next page).
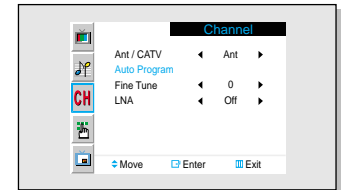
Storing Channels in Memory (Automatic Method)

1 First, select the correct signal source (Ant, STD, HRC, IRC). See steps on previous page.
Press the Menu button. Move the joystick up or down to select the "Channel", then press the joystick to enter.

! Quick way to access the Automatic Channel Setting : Just press the "Auto Program" button on the remote control.

	Channel
Ant/ CATV	◄ Ant ►
Auto Program	
Fine Tune	◄ 0 ►
LNA	◄ Off ►
	⬍ Move ◄► Select ▥ Exit

2 Move the joystick up or down to select "Auto Program", then press the joystick to enter.

	Channel
Ant / CATV	◄ Ant ►
Auto Program	
Fine Tune	◄ 0 ►
LNA	◄ Off ►
	⬍ Move ⊡ Enter ▥ Exit

3 The PDP will begin memorizing all of the available channels.
After all the available channels are stored, the Auto program menu reappears. Move the joystick right to exit.

Ant 50
Auto Program
► : Stop

Note
• The PDP automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Adding and Erasing Channels (Manual Method)

1 Use the number buttons to directly select the channel that will be added or erased.

Ex) Channel "4"

> Ant 4

2 Press the Add/Erase button:
Repeatedly pressing this button will alternate between "Added" and "Erased."

> Ant 4
> Added

Note
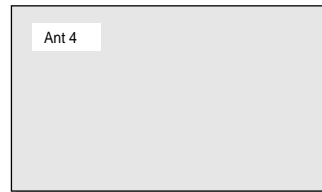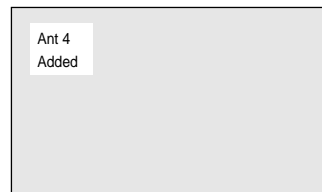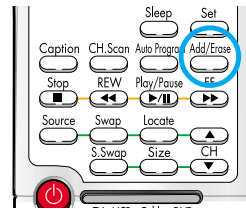• You can view any channel (including an erased channel) by using the number buttons on the remote control.

Changing Channels

Using the Channel Buttons

Press the CH⌃ or CH⌄ buttons to change channels.

When you press the CH⌃ or CH⌄ buttons, the PDP changes channels in sequence. You will see all the channels that the PDP has memorized. (The PDP must have memorized at least three channels.) You will not see channels that were either erased or not memorized.

To View Memorized Channel

Press the CH.Scan button or the Channel button. Only the memorized channels are chosen.

Directly Accessing Channels

Press the number buttons to go directly to a channel. For example, to select channel 27, press "2" then "7". The TV will change channels when you press the second number.

When you use the number buttons, you can directly select channels that were either erased or not memorized. To change to single-digit channels (0~9) faster, press "0" before the single digit. (For channel "4" press "0" then "4".

Using the Pre-CH button to select the previous channel

Press the Pre-CH button. The TV will switch to the fast channel viewed.

To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then, use the Pre-CH button to quickly alternate between them.

Adjusting the Volume

Using the Volume Buttons

Press the VOL + or VOL – buttons to increase or decrease the volume.

Using Mute

Using the Mute Buttons

At any time, you can temporarily cut off the sound using the Mute button.

1 Press the Mute button and the sound cuts off.
The word "Mute" will appear in the lower-left corner of the screen.

2 To turn mute off, press the Mute button again, or simply press either the VOL + or VOL – button.
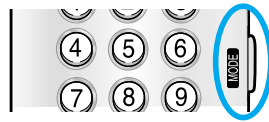
> Mute

Setting Up Your Remote Control

This PDP's remote control can operate almost any VCR, cable box, or DVD. After it has been set up properly, your remote control can operate in four different modes :TV, VCR, Cable, or DVD.
Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.
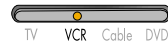Note:The remote control may not be compatible with all DVD Players, VCRs, and Cable boxes.

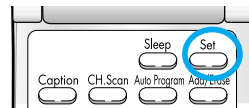## Setting Up the Remote to Operate Your VCR, Cable box, or DVD player

1 Turn off your VCR. (or Cable box, DVD player.)

2 Press the MODE button and make sure that the VCR (or Cable box, DVD) LED is illuminated.

TV VCR Cable DVD

3 Press the Set button on your TV's remote control.

Sleep   Set
Caption CH.Scan Auto Program Add/Erase

4 Using the number buttons on your remote control, enter three digits of the VCR (or Cable box, DVD) code listed on page 37 of this manual for your brand of VCR (or Cable box, DVD player). Make sure you enter three digits of the code, even if the first digit is a "0".
(If more than one code is listed, try the first one.)

5 Press the Power button on the remote control. Your VCR (or Cable box, DVD player) should turn on if your remote is set up correctly. If your VCR (or Cable box, DVD player) does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or Cable box, DVD player).
If no other codes are listed, try each code, 000 through 089 (or Cable box: 000 through 077, DVD player: 000 through 008).

Power
TV VCR Cable DVD

Notes
• When your remote control is in "VCR" mode, the VCR control buttons (Stop, REW, Play/Pause, FF) still operate your VCR.

• When your remote control is in "Cable box" or "DVD" mode, the VCR control buttons (Stop, REW, Play/Pause, FF) still operate your VCR.

Remote Control Codes
VCR Codes

Admiral 006, 079	KLH 073	RCA 000, 005, 007, 008, 028,
Aiwa 015	LG 009, 014, 046, 060	035, 037, 054, 069
Akai 017, 022, 023, 027, 030	Lloyd 015	Samsung 007, 013, 022, 032, 042, 077
Audio Dynamics 014, 016	Logik 031	Sansui 016
Bell & Howell 002	LXI 015	Sanyo 002, 012
Broksonic 010	Magnavox 008, 029, 053, 056	Scott 013, 041, 049, 068
Candle 007, 009, 013, 045, 046, 052	Marantz 002, 008, 014, 016,	Sears 002, 005, 009, 012, 018,
Cannon 008, 053	029, 030, 046, 061	019, 035, 043, 048
Citizen 007, 009, 013, 045, 046, 052	Marta 009	Sharp 006, 027, 039, 045
Colortyme 014	MEI 008	Shintom 017, 026, 031, 055
Craig 007, 012	Memorex 008, 009, 012, 015	Signature 015
Curtis-Mathes 000, 007, 008, 014,	MGA 027	Sony 017, 026, 038
015, 046, 053, 064, 067	Midland 032	Sylvania 008, 015, 029, 053, 056
Daewoo 013, 045, 076	Minota 005, 035	Symphonic 015
DBX 014, 016	Mitsubishi 005, 027, 035, 040	Tandy 002, 015
Dimensia 000	Montgomery ward 006	Tashiko 009
Dynatech 015	MTC 007, 015	Tatung 030
Electrohome 027	Multitech 007, 015, 031, 032	Teac 015, 030, 069
Emerson 008, 009, 010, 013, 015, 020, 023, 027,	NEC 002, 014, 016, 030, 046, 061, 064	Technics 008
034, 041, 042, 047, 049, 057, 062, 065, 067, 068, 070	Optimus 006	Ternika 008, 009, 015, 021
Fisher 002, 012, 018, 019, 043, 048, 058	Panasonic 008, 053, 075, 077	TMK 067
Funai 015	Pentax 005, 035	Toshiba 005, 013, 019, 048, 049
GE 000, 007, 008, 032, 053	Pentex Reserch+ 046	Totevision 007, 009
Go Video 007	Philco 008, 029, 053, 056	Unitech 007
Harman Kardon 014	Philips 008, 029	Vector Research 014, 016
Hitachi 005, 015, 035, 036	Pioneer 005, 016, 033, 050	Victor 016
Instant Replay 008	Portland 044, 045, 052	Video Concepts 014, 016
JC Penney 002, 005, 007, 008, 014,	ProScan 000	Videosonic 007
016, 030, 035, 051, 053	Quartz 002	Wards 005, 006, 007, 008, 009,
JCL 008, 002, 014, 016, 030, 046	Quasar 008, 053	012, 013, 015, 027, 031, 035
JVC 002, 014, 088, 089	Radio Shack/Realist 002, 006, 008,	Yamaha 002, 014, 016, 030, 046
Kenwood 002, 014, 016, 030, 046	009, 012, 015, 019, 027, 045, 053	Zenith 011, 017, 026, 079

Cable Box Codes

Anvision 007, 008	NSC 009	Signature 046
Cablestar 007, 008	Oak 016, 038	Sprucer 027
Eagle 007, 008	Osk Sigma 016	Starcom 046
Eastern Int. 002	Panasonic 003, 027, 039, 061,	Stargate 2000 058
General Instrument 046	073, 074	Sylvania 011, 059
GI 004, 005, 015, 023, 024,	Philips 007, 008, 019, 021, 026,	Texscan 011, 059
025, 030, 036, 067, 068, 069	028, 029, 032, 033, 040, 041	Tocom 017, 021, 049, 050, 055, 073
Hamlin 003, 012, 013, 034, 048	Pioneer 018, 020, 044, 074, 077	Unika 031, 032, 041
Hitachi 037, 043, 046	Randtek 007, 008	Universal 051, 052
Jerroid 004, 005, 015, 023, 024,	RCA 000, 027, 066	Viewster 007, 008, 019, 021, 026,
025, 030, 036, 046, 062, 065	Regal 003, 012, 013	028, 029, 032, 033, 040, 041
Macom 037, 043	Regency 002, 033	Warner Amex 044
Magnavox 007, 008, 019, 021,	SA 070, 071, 072	Zenith 014, 042, 057, 061,
026, 028, 029, 032, 033, 040, 041	Samsung 044, 003, 022, 063, 064	075, 076

DVD Codes

Philips	001
Proscan	002
RCA	002
Toshiba	003
Panasonic	004
Sony	008
Samsung	000