

## Things You Should Know

### Congratulations

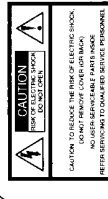
on your purchase of one of the most sophisticated and reliable products on the market today. Used properly, it will bring you and your family years of enjoyment. Please fill in the information at right. The serial number is on the tag located on the back of your VCR.

Date of Purchase \_\_\_\_\_  
 Dealer Purchased From \_\_\_\_\_  
 Dealer Address \_\_\_\_\_  
 Dealer Phone No. \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Serial No. \_\_\_\_\_

### Safety Precautions

**Warning:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture. This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment. Only use those tapes with the **VHS** mark. It is recommended that only cassette tapes that have been tested and inspected for use in 2-, 4-, 6-, and 8-hour VCR machines be used.

FCC Warning: Any unauthorized changes or modifications to this equipment would void the user's authority to operate.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

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## Important Safeguards and Precautions

### OUTDOOR ANTENNA INSTALLATION

- SAFE ANTENNA AND CABLE CONNECTION**  
 The antenna system is connected to the equipment. Be sure the antenna or cable system is grounded so as to provide some protection against built up static charges. For more information, see Section R10 of the National Electrical Code, ANSI/NFPA 70 (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the antenna system. The size of the lead-in wire to an antenna discharge unit, connection to grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.



- KEEP ANTENNA CLEAR OF HIGH VOLTAGE POWER LINES**  
 An outside antenna system should be located well away from power lines, electric light or power circuits and where it will never come into contact with these power sources if it should happen to fall. When installing an outside antenna system, be sure that the antenna is not in contact with any power lines, circuits, or other power sources as this could be fatal. Because of the hazards involved, antenna installation should be left to a professional.

### USING THE VIDEO UNIT

If the unit has been in storage or moved to a new location, refer first to the INSTALLATION section of these safeguards.

- KEEP THIS VIDEO UNIT AWAY FROM WATER OR MOISTURE OF ANY KIND.**
- IF EQUIPMENT IS EXPOSED TO RAIN, MOISTURE, OR STRONG IMPACT**  
 Unplug the unit and have it inspected by a qualified service technician before use.
- DURING AN ELECTRICAL STORM**  
 Do not use the video unit indoors or outdoors, or before leaving the unit unused for extended periods of time, disconnect all equipment from the power source as well as the antenna and cable system.
- WHEN THE UNIT IS PLUGGED IN**  
 DO NOT OPERATE. If liquid has been spilled into the unit, immediately unplug the unit and have it inspected by a service technician. Fire and shock hazards can result from electrical shorts caused by liquid contact inside.
  - Never drop or push any object through openings in the unit. Some internal components may become loose and cause electrical shock or fire hazard.
  - Avoid placing the unit directly above or below your TV set as this may cause electrical interference. Keep all magnets away from electronic equipment.
- USING ACCESSORIES**  
 Use only accessories recommended by the manufacturer to avoid risk of fire, shock, or other hazards.
- CLEANING THE UNIT**  
 Unplug the unit. Then, use a clean, dry, chemically untreated cloth to gently remove dust or debris. DO NOT USE cleaning fluids, aerosols, or forced air that could over-spray, or seep into the unit and cause electrical shock. Any substance such as wax, adhesive tape, etc. may mar the cabinet. The surface of the unit may become greasy, humid, or dusty areas may adversely affect internal parts.

### SERVICE

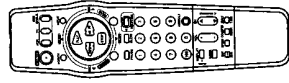
- DO NOT SERVICE THIS PRODUCT YOURSELF**  
 After carefully following the detailed operating instructions, this Video product does not operate properly, do not attempt to open or remove covers, or make any adjustments not described in the manual. Unplug the unit and contact a qualified service technician.
- IF REPLACEMENT PARTS ARE REQUIRED**  
 Make sure the service technician uses only parts specified by the manufacturer, or those having the same safety characteristics as the original parts. The use of unauthorized substitutes may result in fire, electric shock, or other hazards.
- HAVE THE SERVICE TECHNICIAN PERFORM A SAFETY CHECK**  
 After any service or repairs to the unit, request the service technician to conduct a thorough safety check as described in the manufacturer's service literature to insure that the video unit is in safe operating condition.

# Unpacking Your VCR • Product Features

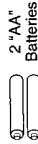
## Unpacking Your VCR

The accessories below are provided to help you use or set up your VCR.

### Accessories



Remote Control  
VSQS1589 (NV-HD8060PX)  
VSQS1589 (NV-SD8040PX)



2 "AA" Batteries



Power Plug Adaptor  
VJSS0070



RF Coaxial Cable  
VJAS0196

Model NV-HD8060PX remote is shown here.

### Caution:

- Voltage 110V, 220V and 240V are not for use in USA.
- Operation at a voltage higher than 120V AC may require the use of a different AC Plug. Please contact either a local or foreign Panasonic Distributor Center for assistance in selecting an alternate plug.

## Product Features

Auto Daylight Saving Time	5
Auto Features for a Quality Picture	17
Auto Operation Functions (Auto Playback, Rewind, Tape Eject, Power Off)	25
Auto Repeat Function	25
Digital Auto Picture (For Models NV-SD8040PX and NV-HD8060PX only)	17
Easy-to-Read English/ Spanish/ French On-Screen Displays	12 ~ 14, 20, 21
MTS Broadcast System (For Model NV-HD8060PX only)	30
(Multi-channel Television Sound-Stereo, SAP, Mono)	32, 33
Multi Brand TV/ Cable Box/ DSS Remote Control	20, 21
One Minute Skip	18
One Month, 8 Program Timer Recording	20, 21
One Touch Recording (OTR)	31
Program Director, Remote Control	17
Spatializer (For Model NV-HD8060PX only)	22 ~ 24
Special Effects Playback	21
Special VCR Features (Channel Caption, Time Stamp (For Model NV-HD8060PX only), Blue Back ON/OFF, VCR Lock, Warning Beeper)	15
Timer Recording Using VCR Buttons	31
U.S. 181-CH TV/ CATV Tuner/ Europe 54-CH	26 ~ 29
VHS Hi-Fi Stereo System (For Model NV-HD8060PX only)	25
VHS Index Search System (Direct Access Search, Program Index Search, Index Scan Search)	25
Zero Search	25

# VCR and Cassette Information



## Erase Protection (Record Tab)

Cassettes have a record tab to ensure that recordings are not accidentally erased.



To prevent accidental erasure, break off the tab with a screwdriver.



To record again, cover the hole with cellophane tape.

## Reset all VCR Memory Functions

Use when moving the VCR to a new location, or if a mistake was made in the One Time VCR Setup section.

- Make sure a tape is not inserted in the VCR.
- 1) Turn VCR Power on.
- 2) Press and hold both **PLAY** and **CHANNEL** ▲ on the VCR for more than 5 seconds.
- The power will shut off.
- 3) Perform the One Time VCR Setup section on page 12.

## D.S.T. (Daylight Saving Time)

Your VCR can be set to automatically adjust the clock for Daylight Saving Time. (Page 13.)

## Spring (First Sunday in April)

When set to DST-ON, the VCR will automatically set the clock ahead one hour.

## Autumn (Last Sunday in October)

When set to DST-ON, the VCR will automatically set the clock back one hour.

- If your area does not observe Daylight Saving Time, select DST-OFF.
- Keep these time changes in mind when programming the VCR for timer recordings.

## Specifications

- Power Source:** 110/120/220/240V AC Auto  
50/60 Hz  
NV-SD8020PX/NV-SD8040PX  
Approx. 18 watts (Power Off)  
Approx. 3.5 watts (Power On)  
NV-HD8060PX  
Approx. 18 watts (Power Off)  
Approx. 3.7 watts (Power On)  
EIA Standard NTSC color
- Video Signal:** 2 rotary heads helical scanning system (NV-SD8020PX)  
4 rotary heads helical scanning system (NV-SD8040PX/HD8060PX)
- Audio Track:** 1 track (Normal)  
2 channels (Hi-Fi, Audio Sound) (NV-HD8060PX)
- Tuner: For USA**  
TV Tuners:  
VHF input ch2-ch13, cable channel 3-36, UHF input ch14-ch69
- For EUROPE**  
TV Tuners:  
VHF input ch2-ch13 (USA)  
UHF input ch21-ch62 (C.C.I.R.)  
41°F-104°F (5°C-40°C)
- Operating Temperature:** 10%~75%  
**Weight:** 7.5 lbs. (3.4 kg)  
**Dimensions:** 14-15/16" (W) x 3-2/3" (H) x 12-3/16" (D)  
380 (W) x 93 (H) x 310 (D) mm

Note: Designs and specifications are subject to change without notice.

## Maximum Record/Playback Time

Only use tapes with the VHS mark in this unit.

Tape Speed Setting	Types of Video Cassette			
	T60	T120	T160	T180
SP (Standard Play)	1 Hour	2 Hours	2 Hours 40 Minutes	2 Hours
LP (Long Play)	2 Hours	4 Hours	5 Hours 20 Minutes	5 Hours
SLP (Super Long Play)	3 Hours	6 Hours	8 Hours	8 Hours

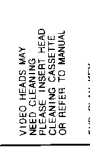
## Head Cleaning

Your VCR will not normally require head cleaning, however the heads may become clogged when playing an old or damaged tape.

## Video Heads Sensor System

If head cleaning becomes necessary, the VCR will display the screen at right while playing back a recorded signal. To exit this screen, push **PLAY** on the remote control or VCR.

- Use "dry" type head cleaning cassette only.
- Be sure to follow the cleaning tape instructions carefully.
- Excessive use of a cleaning cassette can shorten head life.
- If using a head cleaning cassette does not solve the problem, contact your nearest Factory Service Center or authorized Service Center.
- Cleaning cassette part No. NV-TCL30PT is recommended.

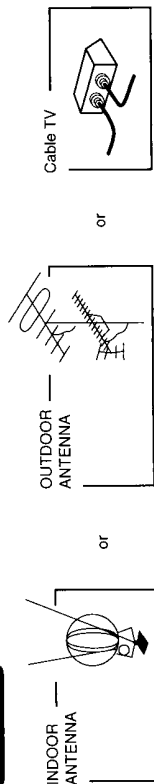


VIDEO HEADS MAY BE CLEANED BY USING VIDEO HEADS CLEANING CASSETTE OR REFER TO MANUAL FOR PLAY KEY

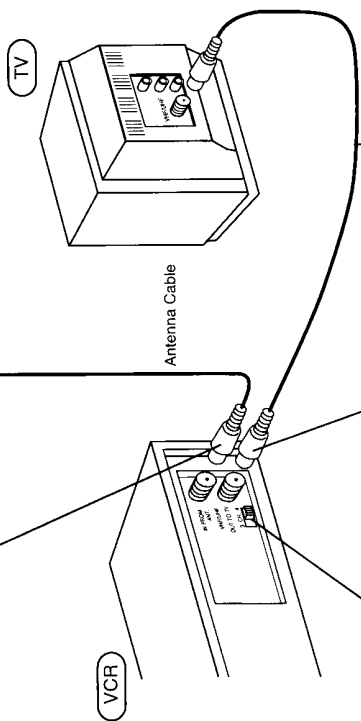
# Basic Connection



## ANTENNA



**1** Disconnect the antenna or cable from your TV and connect it to the VCR (IN FROM ANT.)



**3** Set the Output Channel of your VCR to channel 3 or 4 (whichever is not being transmitted on by a Local TV broadcast).

**2** Connect the VCR to your TV with the RF Coaxial Cable (OUT TO TV).

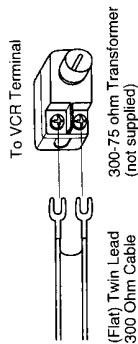
RF Coaxial Cable (VCR-TV Connection Cable) (supplied)

### WARNING

When using "Nut type" RF coaxial cables, tighten with fingers only. Overtightening may damage terminals.

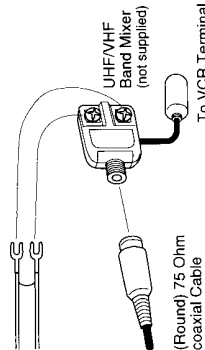
## Between Antenna and VCR

Case 1: Twin Lead Cable Only



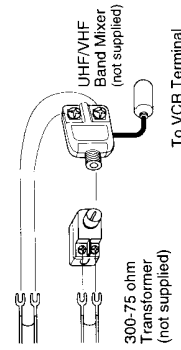
(Flat) Twin Lead 300 Ohm Cable  
300-75 ohm Transformer (not supplied)

Case 2: Twin Lead & Coaxial Cables



(Round) 75 Ohm coaxial Cable

Case 3: Two Twin Lead Cables

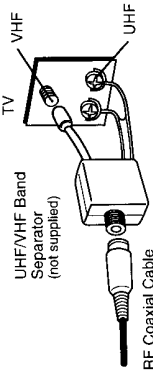


300-75 ohm Transformer (not supplied)

• If your TV has both post and plug-type VHF terminals, the post connection is recommended to minimize signal loss.

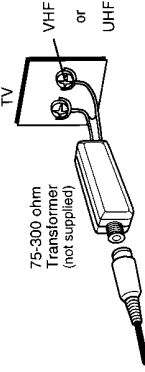
## Between VCR and TV

Case 1: Screw & Plug Type Terminal



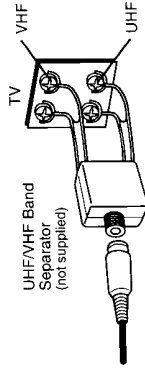
UHF/VHF Band Separator (not supplied)  
RF Coaxial Cable

Case 2: Screw Type Terminal



75-300 ohm Transformer (not supplied)  
VHF or UHF

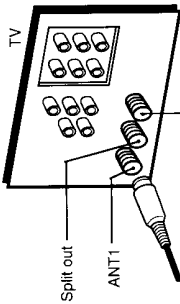
Case 3: Double Screw Type Terminal



UHF/VHF Band Separator (not supplied)  
VHF or UHF

Case 4: Complex TV Terminal

TERMINALS ON BACK OF TV SET



Split out  
ANT1  
ANT2

• Connect to one of the ANT terminals and select the same antenna number on the TV.

# Other Connections

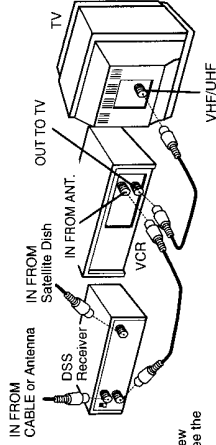
All connections on these pages are made with 75 Ohm coaxial cables.

## CABLE CONNECTIONS

### Without a Converter/Descrambler Box

- You can:
- 1) Use your VCR Remote Control to select channels.
  - 2) Program one or more unscrambled channels for unattended recording.

You cannot:  
record or view scrambled channels with this connection.



### With a DSS Receiver

- You can:
- 1) Record and view any channel including scrambled channels; channel selection must be made at the DSS Receiver.
  - 2) Program one channel for unattended recording.

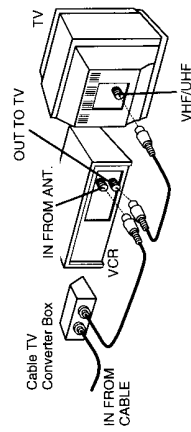
NOTE: The DSS receiver must be turned off to view programs from a cable box or antenna. See the DSS manual for details.

\*DSS® is a registered trademark of DIRECTV, INC., a unit of GM Hughes Electronics.

### With a (CABLE to VCR) Converter/Descrambler Box

- You can:
- 1) Record and view any channel including scrambled channels; channel selection must be made at the Cable TV Converter Box.
  - 2) Program one channel for unattended recording.

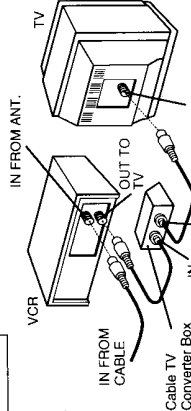
You cannot:  
select channels from VCR or TV, watch one station while recording another, place channels in memory (pg.12) other than the Cable box output channel.



### With a (VCR to TV) Converter/Descrambler Box

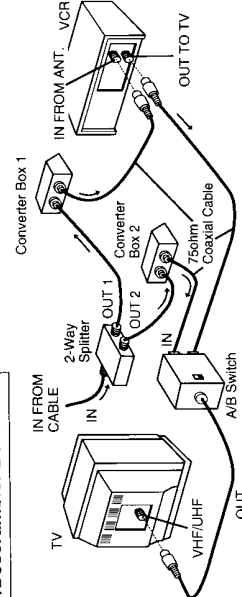
- You can:
- 1) Use your VCR Remote Control to select channels.
  - 2) Program unattended recordings of more than one unscrambled channel.

You cannot:  
record scrambled channels with this connection.



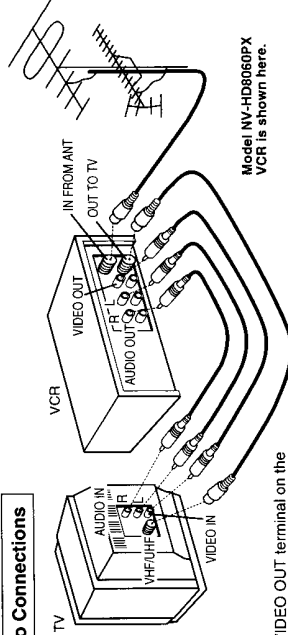
### With Two Converter/Descrambler Boxes

If you want to record and view a combination of scrambled and unscrambled channels, you will need additional equipment. This connection requires two converter boxes, an A/B switch, and a 2-way splitter as shown here.



## Audio/Video Connections

### Audio/Video Connections

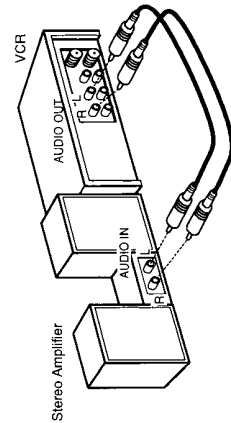


- 1 Connect the VIDEO OUT terminal on the VCR to the VIDEO IN terminal of your TV.
- 2 Connect the "L" and "R" AUDIO OUT terminals on the VCR to the "L" and "R" AUDIO IN terminals of your TV.
- 3 Set the VIDEO/TV selector of your TV (Monitor/Receiver) to "VIDEO."

NOTE: To use your TV as a VCR monitor, set the VIDEO/TV selector on the TV (Monitor/Receiver) to "VIDEO." For model NV-HD8060PX, use the L Audio In jack for proper sound reproduction when connecting to a monaural TV.

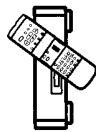
### Stereo Amplifier Connections

When you connect your VCR to a Stereo Component System, you can view the picture from the VCR while enjoying stereo from your audio system. Connect the "L" and "R" AUDIO OUT terminals on the VCR to the "L" and "R" AUDIO IN terminals of your stereo.

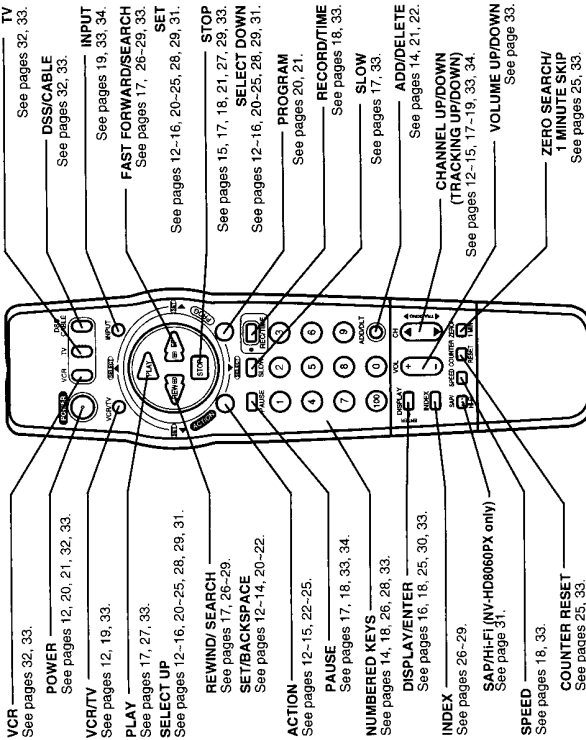


Note to CABLE system installer: This reminder is provided to call the CABLE system installer's attention to Article 820-40 of the NEC in USA (and to the Canadian Electrical Code in Canada) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

# Location of Controls

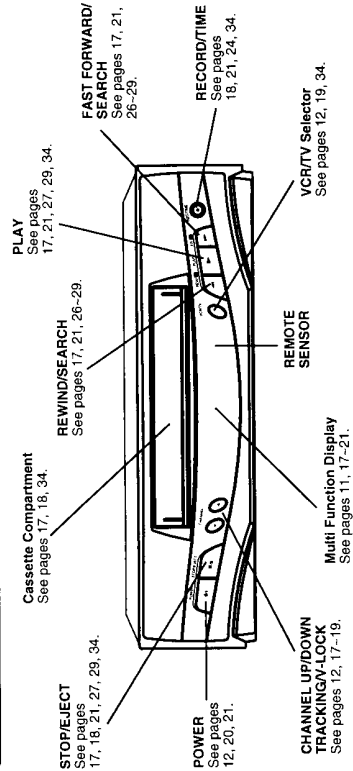


## Remote Control Buttons



Model NV-HD8060PX remote is shown here.

## Front View of the VCR

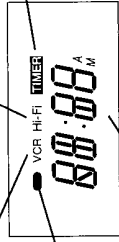


## Getting Started

### Multi Function Display

**VCR Indicator**  
Lights when the VCR/TV selector is set to VCR.

**Hi-Fi Indicator**  
Lights when Hi-Fi audio is monitored or played back. (For Model NV-HD8060PX only)



**Timer Indicator**  
Lights when the VCR is set for a Timer Recording, or when a length is set for a normal recording (OTR). The Timer Indicator flashes when a Tape Recording is set, but a tape has not been inserted into the VCR.

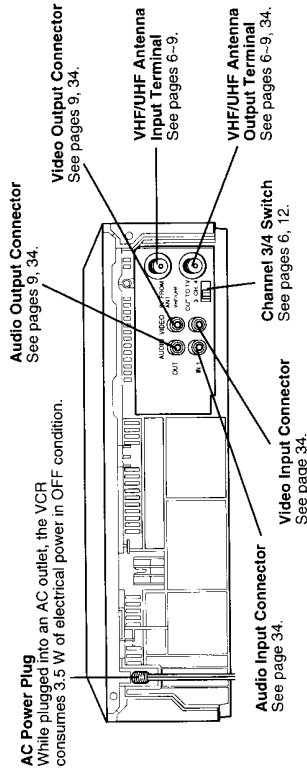
**Power Indicator**  
Lights when power is on.

### Clock/Status/Channels/Speed Display

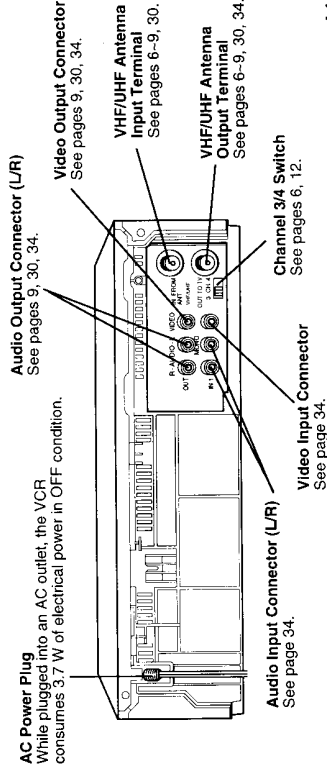
Displays the current time.  
Briefly displays VCR status when a function button is pressed.  
Briefly displays the channel number, or "L" when a channel or line input is selected.  
Briefly displays the recording speed when SPEED is pressed.

### Rear View of the VCR

#### • For Models NV-SD8020PX and NV-SD8040PX



#### • For Model NV-HD8060PX



# One Time VCR Setup

**\*Important:** If the remote control POWER, ACTION, PROG, CH ▲▼, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

When the VCR is turned on for the first time, it automatically enters the setup mode.

Setup includes the following:

- Choose the language for on-screen menus and messages.
- Tell the VCR how your equipment is hooked up (pages 6-9) so the VCR can correctly place channels into memory.
- Get the VCR ready for clock set.

## To Set the Language, Channels, and Auto Clock

- 1 Turn the TV and VCR on.\*
- 2 Tune your TV to the VCR output channel (the same one you set on the back of the VCR: CH3 or CH4).
  - If you used audio/video jack connection, tune the TV to its video input.

**3 Press CH ▲ for English** on-screen displays.  
Or, **press CH ▼ for Spanish** on-screen displays.

Or, **press VCR/TV for French** on-screen displays.

You can also set the language using the buttons on the VCR.

The VCR should be connected to an antenna or cable box (page 6-9).

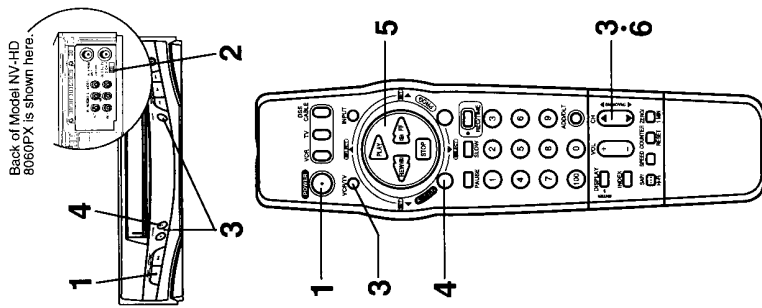
**4 Press ACTION within 1 minute** to display the "SET CLOCK" screen.

**5 Press ▲▼ and ► to select** and set "AUTO SET" or "MANUAL SET."

If you selected "AUTO SET," continue with step 6. If you selected "MANUAL SET," go to step "b" and "c" below left on page 13.

**6 Press CH ▲ to start Channel Auto Set and Clock Auto Set.**

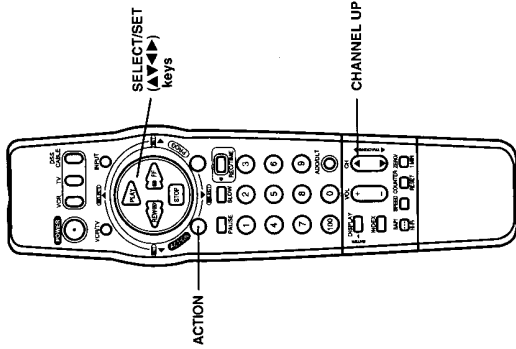
The following messages appear:  
"CH AUTO SET PROCEEDING"  
"AUTO CLOCK SET PROCEEDING"



Model NV-HD8060PX remote is shown here.

**Using ▲▼◀▶ keys**  
Whenever a menu or program screen is displayed, the PLAY, STOP, REWIND, and FF buttons on the remote control function as ▲▼◀▶ only. Use the buttons on the VCR for play, stop, rewind, and fast forward functions. When a program screen is displayed, the REC., FF, REW, and PLAY buttons on the remote control and the VCR functions as ▲▼◀▶ only. (See Timer Recording Using VCR Buttons on page 21.)

## Getting Started



Model NV-HD8060PX remote is shown here.

### Case 1

If the displayed time is correct, press CH ▲ to exit.

- See important note at the bottom of this page.

If the displayed time and DST are not correct... If you happen to live close to two time zones, the VCR have recognized the PBS channel (setting channel) in the wrong time zone. Please do the following to correct the situation.

- 1 Make a note of the SETTING:CH number shown on-screen and press CH ▲ to exit.
- 2 Delete the setting channel from the VCR channel memory. (See "To Add or Delete a Channel" section on page 14.)
- 3 Press ACTION to display the menu.
- 4 Press ▲▼ to select "SET CLOCK," and then press ► to display the "SET CLOCK" screen.
- 5 Press ▲▼ to select "AUTO CLOCK SET," and then press ► to display the "CLOCK AUTO SET" screen.
- f Press CH ▲ to start Clock Auto Set.
  - If you use a cable box and have multiple PBS stations, tune the cable box to a different PBS station and try auto clock set using the menu.

### Case 2

If the screen above appears, auto clock set is not available in your area. Please set the clock manually as described below.

**a Press ACTION to display** the "SET CLOCK" screen.

**b Press ▲▼ and ◀▶ to select** and set the month, date, year, time, and DST. (Daylight Saving Time).

- See page 5 for more on DST.

**To Make Corrections,** repeatedly press ◀▶ to move the cursor to the incorrect entry and make the correction.

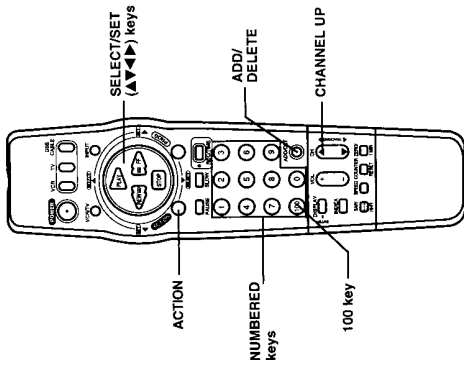
**c Press ACTION twice to start the clock and exit** this mode.

**IMPORTANT NOTE FOR AUTO CLOCK SET**

- Auto clock set will be performed when the VCR is turned off the first time each day. If you use a cable box and you want auto clock set to be performed, the cable box must be left on and tuned to the PBS channel before the VCR power is turned off.
- If you use a DSS receiver, it must be turned off for auto clock set.
- If you use Audio/Video Jack connection between the VCR and Cable Box or DSS receiver, you must also connect the RF coaxial cable in order to use the auto clock set and channel auto set features.

# One Time VCR Setup

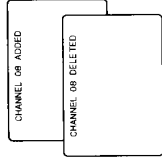
**\*Important:** If the remote control POWER, ACTION, PROG, CH▲▼, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.



Model NV-HD8060PX remote is shown here.

## To Add or Delete a Channel

- 1 Select a channel using the NUMBERED keys to add or CH ▲▼ to delete.
- 2 Press ADD/DLT to add or delete the channel.
  - To select a channel one of the NUMBERED keys on the remote control.



## When Using the 100 key

When selecting CABLE channels 100 to 125 with the NUMBERED keys, first press the 100 key and then enter the remaining two digits. For example, to select channel 125: Press NUMBERED keys 100, then 2, then 5.



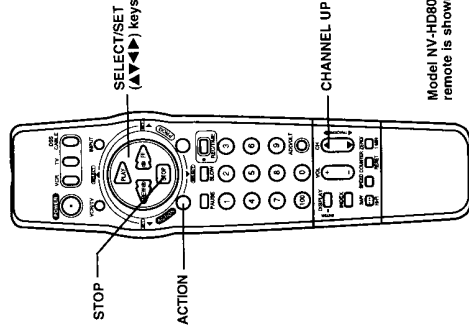
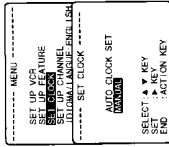
- This VCR will accurately maintain its calendar up to Dec. 31, 2096, 11:59PM.
- Normal TV or Cable channels are automatically selected and placed in memory depending on how your VCR is hooked up.
- "MENU" and "SET UP CHANNEL" screens are model NV-HD8060PX only.

## To Set or Reset the Clock

In case the clock is wrong, or a power failure occurred.

- 1 Press ACTION to display the menu.
- 2 Press ▲▼ to select "SET CLOCK," and then press ▲ to display the "SET CLOCK" screen.
- 3 Press ▲▼ to select "MANUAL," and then press ▲ to display the SET CLOCK screen.
- 4 Press ▲▼ and ◀▶ to select and set the date, time, and DST. (Daylight Saving Time).
- 5 Press ACTION twice to start the clock and exit this mode.

- For Auto Clock Set, select "AUTO CLOCK SET," and then press CH ▲ in step 3.

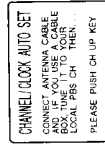
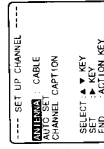


Model NV-HD8060PX remote is shown here.

## To Change Antennas System and Replace Channels in Memory

Example, if you have cable installed, etc. This VCR is capable of receiving channels with the US or the European C.C.I.R. standards. The reception of channels in charts shown here are based on menu screen for Tuning System you have chosen and depend on proper cable connections being made between the TV, VCR and antenna.

- 1 Press ACTION to display the menu.
- 2 Press ▲▼ to select "SET UP CHANNEL," and then press ▲ to display the "SET UP CHANNEL" screen.
- 3 Press ▲▼ to select "ANTENNA," and then press ▲ to set your antenna system (TV, CABLE or Europe).
- 4 Press ▲▼ to select "AUTO SET," and then press ▲ to display the "CHANNEL/CLOCK AUTO SET" screen.
  - If you use a cable box, turn it on and set it to the PBS channel in your time zone.
  - See at right, European Chart of USA and EUROPE.
- 5 Press CH ▲ to start Channel Auto Set.



- Clock Auto Set will be performed when channels are replaced in memory. To cancel, press STOP when "AUTO CLOCK SET PROCEEDING" appears on-screen.
- To exit this mode, press ACTION twice.

# Getting Started

## Antenna System in Europe

Select the "EUROPE" antenna system on the screen. Use channel auto set for the UHF and VHF bands. In channel auto set, the antenna system is automatically set to the "TV" mode. This will allow you to receive C.C.I.R. broadcast such as AFN.

TV Band	Channel Chart
Selected Channel Indication	Channel Band designations
02-13	VHF (USA)
21-62	UHF (C.C.I.R.)

## Antenna System in USA

Your VCR is capable of receiving the OFF-THE-AIR and Cable broadcasts available in your area from the standard U.S. reception system.

TV Band	Channel Chart
Selected Channel Indication	Channel Band designations
02-13	VHF
14-69	UHF

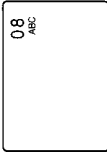
## Cable Band

Selected Channel Indication	Channel Band designations	Channel Received off the Air
02-13	Broadcast VHF	2-13
14-36	CATV Mid/Super Bands	A-W
37-64	CATV Hyper Band	2-13
65-94 100-125	Ultra Band	65-94 100-125
95-99	CATV Low band	A-5-A-1
01	Special CATV Channel	5A (between 4 and 5)

# On-Screen Displays (OSD)

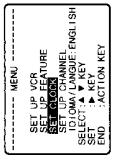
## Function & Channel Display

When a function button is pressed, e.g. PLAY, or you change channels, a 4 second display appears first in large and then small characters. (Some Station names may also appear if Channel Caption is set. See page 22.)



## Menu Screen

1 Press ACTION to display the menu.  
 2 Press **▲** and **▶** to make your selection.

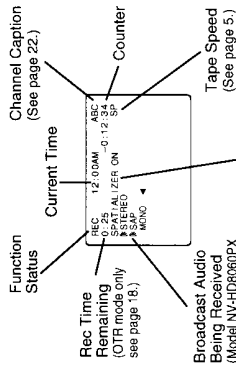


Model NV-HD8060PX only

\* To get the most from each feature, please read the Operating Manual before attempting any operation.

## VCR Status & Clock Display

Press DISPLAY to display or remove the overlay shown below.



Rec Time Remaining (OTR mode only) (See page 18.)  
 Broadcast Audio Being Received (Model NV-HD8060PX only). (See page 30.)  
 \* This display will disappear in 5 seconds.  
 Spatializer (Model NV-HD8060PX only) (See page 31.)

## Blank Tape/ No Video Signal Indication

Whenever a blank section of a tape comes up in Play mode, or when the selected channel has no broadcast signal with the Blue Back ON/OFF Feature (page 23) set to ON, the TV screen will turn solid blue.

## Warning and Instruction Displays

These displays will alert you of a missed operation or provide further instructions.

- NO CH FOUND  
PLEASE CHECK ANTENNA CABLE CONNECTION THEN PUSH VCR CH UP KEY AGAIN
- PLEASE SET CLOCK BEFORE PROGRAMMING
- TURN VCR OFF FOR TIMER RECORDING
- CHECK CASSETTE RECORD TAB
- NO CASSETTE PLEASE INSERT A CASSETTE
- TO CANCEL TIMER REC. PUSH POWER THEN STOP KEY
- VIDEO HEADS MAY NEED CLEANING. HOLD CLEANING CASSETTE OR REFER TO MANUAL OR PLAY KEY
- VCR LOCK ACTIVATED
- NO TV SIGNAL OR NO AUDIO PLEASE PUSH VCR KEY

If no active channels are found for CHANNEL MEMORY... (See pages 12, 15.)

If you attempt to set or review a Timer, Recording and the Clock is not set... (See page 20.)

After a Timer Program has been set... (See page 20.)

If you press REC on the remote control or VCR, and a cassette is inserted with no record tab... (See page 18.)

If you press PLAY, FF, REW, or REC on the remote control or VCR without a cassette inserted... (See pages 17, 18.)

If you press POWER or STOP during a Timer Recording... (visible in VCR mode only) (See page 21.)

If head cleaning becomes necessary while playing back a tape... (See page 5.)

If you press a function button other than STOP/EJECT or POWER while the VCR is in VCR Lock mode... (See page 24.)

If you press POWER, ACTION, or PROG on the remote while in TV or CABLE/DSS mode... (See pages 32, 33.)

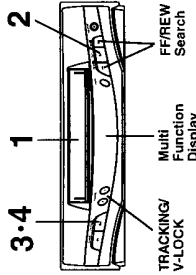


# Playback a Tape

\*Important: If the remote control POWER, ACTION, PROG, CH▲, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

## Check list before you begin.

- All connections are made. (See pages 6-9.)
- TV and VCR are plugged in.
- TV is turned on and set to the VCR channel (CH 3 or 4).



## 1 Insert a cassette.

- VCR power comes on automatically.
- VCR lights in the Multi Function Display.

## 2 Press PLAY on the remote or VCR to start playback.

- Playback begins automatically if cassette has no record tab.

## 3 Press STOP on the remote or VCR to stop playback.

- To rewind the tape, press REW.

## 4 Press STOPEJECT on the VCR to eject the cassette.

- You may eject a cassette with power on or off.

## To Find a Particular Scene During Playback

Press REW or FF during playback to search for a scene.

- Search speed for SP mode tapes is 7 times (Models NV-SD8040PX/NV-SD8060PX only) and SLP mode tapes is 21 times the normal speed.
- Some noise bars will appear during search.

## Special Effects During Playback

These features work best in SLP mode (SP or SLP mode for models NV-SD8040PX/NV-SD8060PX). The sound will be muted.

### Slow Motion Playback

Press SLOW to start slow motion playback during playback. Press PLAY or SLOW to release.

### Still (Freeze) Frame Picture

- Press PAUSE to freeze and release the picture.
- To reduce picture noise, first press SLOW. Then, use CH (TRACKING) ▲▼ to clear up the picture. Now, press PAUSE.

### Frame by Frame Advance

In Still mode, hold down SLOW to advance the still picture one frame at a time. Press PAUSE to release.

## Features for a Quality Picture

### Digital Auto Picture

(For Models NV-SD8040PX/NV-HD8060PX only)  
 This feature automatically controls the video output signal for less noise depending on the tape condition.

### Digital Auto Tracking

This feature continuously analyzes the signal and adjusts for optimum picture quality.

### Manual Tracking Control (to reduce picture noise)

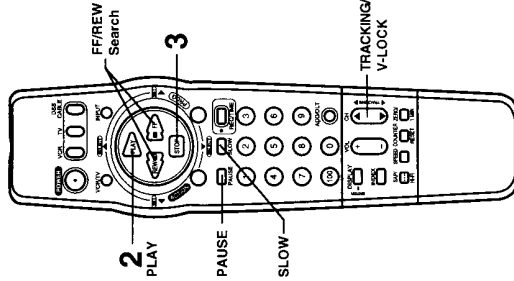
Use during Playback and Slow Motion mode to reduce picture noise. Press CH (TRACKING) ▲▼ during playback until the picture clears up. To return to Auto Tracking mode, press POWER off and then on again.

### V-Lock Control (to reduce picture jitter)

(For Models NV-SD8040PX/NV-HD8060PX only)  
 In Still mode, CH (TRACKING) ▲▼ operate as a V-Lock control. Press ▲▼ until the picture is stabilized.



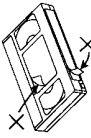
\* After the VCR is in Still or Slow mode for 3 minutes, it will switch to the Stop mode automatically to protect the tape and the video head.



Model NV-HD8060PX remote is shown here.

## Caution:

Please inspect your cassette tapes and remove any loose or peeling labels to prevent them from becoming jammed in your unit.

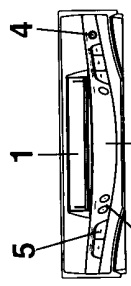




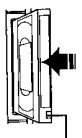
# Record On a Tape

\*Important: If the remote control POWER, ACTION, PROG., CH▲▼, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

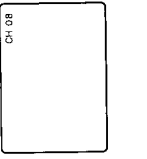
- Check list before you begin.
- All connections are made. (See pages 6-8.)
  - VCR is plugged in.
  - TV is turned on and set to the VCR channel (CH 3 or 4).



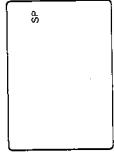
2 CHANNEL Up/Down  
Multi Function Display



**1 Insert a cassette with record tab.**  
• VCR power comes on automatically.



**2 Press CH ▲▼\* or NUMBERED keys to select a channel.**  
• Or, press CHANNEL ▲▼ on the VCR.  
• Holding down CH ▲▼ will increase the channel search speed.  
• To record from an outside source, press CH ▲▼ or INPUT to select "LINE" (see page 19).



**3 Press SPEED to change the recording speed.**  
• SP = Standard Play  
• LP = Long Play  
• SLP = Super Long Play  
(See page 5.)

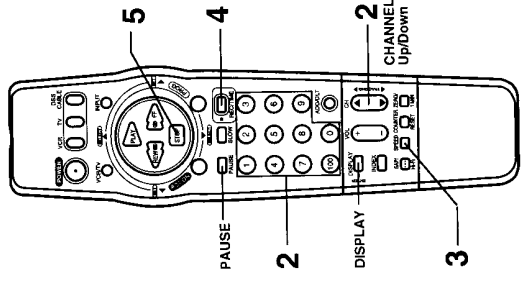
**4 Press REC/TIME on the remote control or VCR to start recording.**  
• To edit out unwanted portions, press PAUSE to pause the recording in progress.  
To resume, press PAUSE again.  
(After the VCR has been in Pause mode for 5 minutes, it will stop automatically to protect the tape and video head.)

**One Touch Timer Recording (OTR)**  
The VCR starts recording and turns itself off at a preset time. In step 4, press REC/TIME repeatedly to set the length of the recording. Each press will change the stop time as shown.

Normal Rec → 0:30 → 1:00  
4:00 ← 3:00 ← 2:00 ← 1:30

- "TIMER" lights in the Multi Function Display.
- The remaining recording time can be displayed by pressing DISPLAY in OTR mode.

**5 Press STOP to stop recording.**  
• Or, press STOP/EJECT on the VCR.



Model NV-HD8060PX remote is shown here.

# Basic Operation

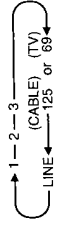
## Selecting the Input Mode

Press INPUT.  
The display will change in the order below.



or

Press CH ▲▼.  
The display will change in the order below.

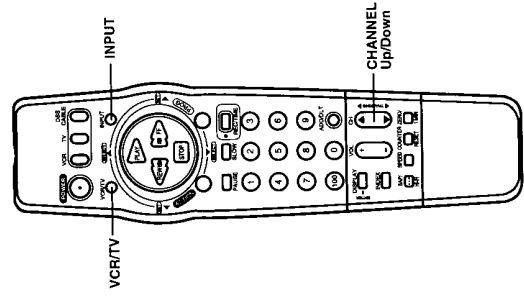
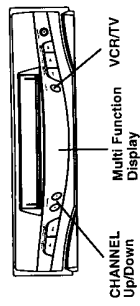


## Record One Program While Watching Another

- 1 Press VCR/TV while recording is in progress to turn off the VCR indicator in the Multi Function Display.
- 2 Use the TV channel controls to select a program. The VCR will continue to record your program while you watch any channel you choose.
  - To switch back and forth between the recording and viewing channel, press VCR/TV.

## Selecting Channels at the VCR

- 1 Turn your TV and VCR on.
  - VCR indicator lights on the Multi Function Display. If indicator doesn't light, press VCR/TV to turn it on.
- 2 Use CH ▲▼ on the remote control or VCR to select channels.
  - To switch back to TV channel selection, press VCR/TV to turn VCR indicator off, or simply turn the VCR power off.



Model NV-HD8060PX remote is shown here.

# Timer Recording

**Important:** If the remote control POWER, ACTION, PROG, CH▲▼, INDEX or ADD/DELETE button does not work when pressed, press the VCR button on the remote and try the button again.

You can set up the VCR to record a one time, daily, or weekly program while you are away or otherwise occupied. Up to 8 programs can be stored in memory.

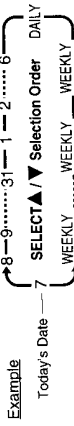
- Check list before you begin.**
- All connections are made. (See pages 6-9.)
- TV and VCR are plugged in and turned on.
- VCR/TV selector is set to "VCR."
- Clock is set to correct time.
- Record tab is in place. (See page 5.)

**1 Press PROG\*** to display the program screen.

If a program is already in memory, press ▲ and ▶ to select an unused program number.

**2 Press ▲▼ and ▶◀** to select and set one of the following as the DATE:

- 1-31 = One time recording
- DAILY = Same time MON-FRI
- WEEKLY (SUN-SAT) = Same time once a week



**3 Press ▲▼ and ▶◀** to select and set each of the remaining items at right.

**Model NV-HD8060PX only**

Remaining items to be set:

- START time
- CH(channel) number, or LINE for outside source recording
- Category (N/A (not applicable), MUSIC, DRAMA)
- Speed (SP, LP, SLP)

**To Make Corrections**  
Repeatedly press ▶ to move the cursor to the right, or ◀ to move to the left to the incorrect entry and make the correction.

**4 Press PROG** to end the program.

This screen appears for confirmation.  
**To Enter More Programs**  
Press ▲▼ and ▶ to select and set a blank program number, and then repeat steps 2 and 3.

**5 Press PROG** to exit this mode.

**6 Press POWER** off to set the timer.

When recording programs via a cable box, make sure the cable box is left ON and tuned to the desired channel.

Model NV-HD8060PX remote is shown here.

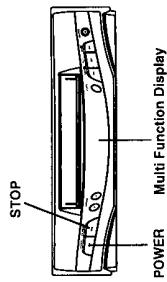
- NOTES**
- A cassette with no record tab is ejected and "TIMER" flashes when the power is turned off to set the timer.
  - If the start times of two programs overlap, the lower numbered program will have priority.
  - If the start time for a timer recording comes up during a normal recording or One Touch Recording (page 18), the timer recording will not be performed.
  - If there is a power interruption of more than one minute, the recording will not be performed or continue.

# Basic Operation

**Cancel a Timer Recording:**  
(Recording is in progress)

Press POWER and then STOP within 10 seconds to cancel the timer recording.

- The TIMER indicator goes out in the Multi Function Display.



**Replace Program Contents:**  
(Recording is not in progress)

- 1 Press PROG to display all currently set programs.
- 2 Press ▲▼ and ▶◀ to select and set a program number. (See page 20.)
- 3 Press ▲▼ and ▶◀ to select and set replacement timer information.
- 4 Press PROG twice to exit this mode.

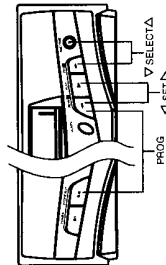
Model NV-HD8060PX only

**Review or Clear Program Contents:**  
(Recording is not in progress)

- 1 Press PROG to display all currently set programs.
- 2 Press ▲▼ to select a program number.
- 3 Press ADD/DELETE if you want to clear the program.
- 4 Press PROG to exit this mode.

**Timer Recording Using VCR Buttons**  
(Make sure a cassette tape is not inserted in the VCR.)

- 1 Hold down STOP/EJECT and press REW to enter the Program mode.
- 2 Press FF or REC/TIME repeatedly or hold down to make selections.
- 3 Press PLAY to set the item and move on.
  - To make corrections, repeatedly press PLAY to move the cursor to the right, or REW to move to the left to the incorrect entry and make the correction.
- 4 Press STOP/EJECT and REW together to display program contents after all items have been entered.
  - You cannot clear programs with the VCR buttons.
- 5 Hold down STOP/EJECT and press REW, (release REW first, and then release STOP/EJECT) to exit this mode.
- 6 Insert a cassette with record tab and press POWER off to set the timer.



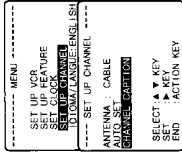
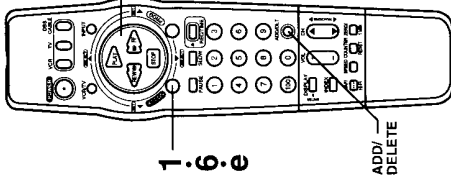
Model NV-HD8060PX remote is shown here.

## Special VCR Features

\*Important: If the remote control POWER, ACTION, PROG., CH▲, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

### Channel Caption (Model NV-HD8060PX only)

You can set channel names, i.e. ABC, CBS, so that when selected, the channel name and number appear on-screen for easy identification. You can go with preset names (up to 29), or manually create your own (up to 10). Note: You will need a list of channels received in your area and the channel numbers you receive them on.



- 1 Press ACTION\* to display the menu.
- 2 Press ▲ to select "SET UP CHANNEL," and then press ► to display the "SET UP CHANNEL" screen.
- 3 Press ▲ to select "CHANNEL CAPTION," and then press ► to display the "CHANNEL CAPTION" screen.

4 Press ▲ to select "PRESET CAPTION," and then press ► to display the "PRESET CAPTION" screen.

- You can set up to twenty-four channel captions. If you want to set a caption name other than these, go to the "Manual Caption" section below.

- 5 Press ► to move the shaded area to right side.

Then, press ▲ to change the memorized channel number to match the caption. Next, press ◀ to set the memorized channel number. Now, press ▲ to continue. Repeat step 5 until the Caption List is complete.

#### To Make Corrections

Press ▲ and ► to select the memorized channel number. Then, press ▲ to change, or ADD/DLT to delete the channel number.

- 6 Press ACTION four times to exit this mode and return to the normal screen.

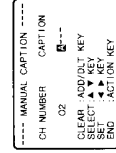
### Manual Caption

- a Follow steps 1-3 in the above section.

b In step 4, press ▲ to select "MANUAL CAPTION," and then press ► to display the "MANUAL CAPTION" screen.

c Press ▲ to select "CH NUMBER," and then press ► to move the shaded area to right.

- Channels already set in the "Preset Caption" section and not deleted from Channel Memory are not displayed.
- You can set a total of ten channel captions with up to four characters each.



- d Press ▲ to select, and then press ► to enter each character of the caption.

- Characters will change in the following order:  
A → B → C → ... → Z → BLANK → → & → ← → 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9

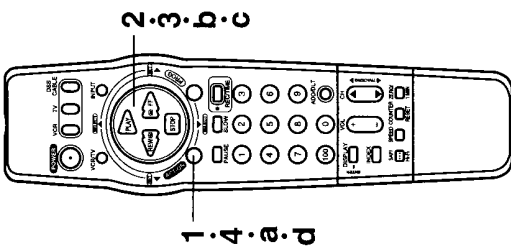
Now, press ◀ repeatedly to move the cursor back to CH NUMBER. Repeat steps 'c' and 'd' as desired.

To Make Corrections, repeatedly press ► to move the cursor to right, or ◀ to move to the left to the incorrect entry and make the correction. To Clear the Caption, press ADD/DLT.

- e Press ACTION four times to exit this mode and return to the normal screen.

### Check list before you begin.

- Clock is set to correct time.



### Time Stamp Feature (Model NV-HD8060PX only)

For the first 10 seconds of each recording, the VCR automatically writes the following program data on the tape: Date, Start time, Scheduled stop time (for Timer Rec. only), Channel No., and Category (for Timer Rec. only). Then, if playback is started at the starting point of the recording, this information will be displayed about 7 seconds after playback begins for a few seconds.

- 1 Press ACTION to display the menu.

2 Press ▲ to select "SET UP FEATURE," and then press ► to display the "SET UP FEATURE" screen.

- 3 Press ► to select "ON" or "OFF."

- When "OFF" is selected, the program data is written on the tape, but will not be displayed for the first 5 seconds of playback.

- 4 Press ACTION twice to exit.

<Time Stamp Example>

Normal/  
One Touch Recording

12/26/1998 MON  
12:28:19:98 MON  
CH 08 ABC SPORTS

Timer Recording

12/26/1998 MON  
12:28:19:98 MON  
CH 08 ABC

When Clock is not set...

CH 08 ABC

- If the tape speed is changed immediately after recording begins, the display may be incorrect.

### Blue Back ON/OFF Feature

You may choose whether or not you want the VCR to display a solid blue back screen when the broadcast signal is very weak.

- a Press ACTION to display the menu.

b Press ▲ to select "SET UP VCR," and then press ► to display the "SET UP VCR" screen.

c Press ▲ to select "NOISY CH BLUE BACK," and then press ► to select "ON" or "OFF."

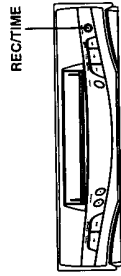
- When "ON" is selected, a solid blue screen appears whenever the signal is weak or nonexistent. When "OFF" is selected, the picture is displayed regardless of the signal condition.
- The picture can not always be seen clearly when "OFF" is selected.

- d Press ACTION twice to exit.

## Special VCR Features (continued)

**\*Important:** If the remote control POWER, ACTION, PROG, CH▲V, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

- Check list before you begin.**
- All connections are made.
- (See pages 6-9.)
- VCR is plugged in.
- TV is turned on and set to the VCR channel (CH 3 or 4).



### VCR Lock Feature

When activated, this feature prohibits all operations except for timer recording and tape eject. This feature may be used to keep young children from operating the VCR.



**Hold down REC/TIME on the VCR without a cassette inserted for 7 seconds while in Stop mode.**

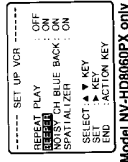
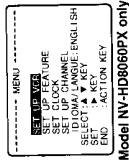
**To Cancel the VCR Lock feature,** hold or without a cassette inserted, hold down REC/TIME on the VCR for 7 seconds again while in Stop mode.

- VCR Lock mode is cancelled automatically after about 24 hours as long as the clock is set.

### Warning Beeper Feature

When you select BEEPER ON, a short warning will sound each time an invalid entry or incomplete operation is made.

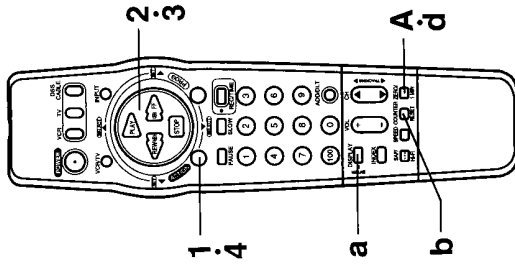
- 1 Press ACTION\*** to display the menu.
- 2 Press ▲▼** to select "SET UP VCR," and then press **▶** to display the "SET UP VCR" screen.
- 3 Press ▲▼** to select "BEEPER," and then press **▶** to select "ON" or "OFF."
- 4 Press ACTION twice** to exit this screen.



Model NV-HD8060PX remote is shown here.

## Tape Operation

Your VCR is equipped with several time saving features as well as convenient automatic functions making tape operation easier than ever.



Model NV-HD8060PX remote is shown here.

### Auto Operation Functions

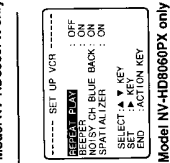
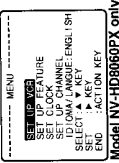
- Auto Playback**  
When a tape is inserted, the power turns on (Auto). If the record tab is removed, playback begins (Auto).
- Auto Rewind**  
When a tape reaches its end during playback, fast forward or manual record, the VCR will rewind and go into Stop mode.
- Playback Auto Eject (Repeat Play is "OFF.")**  
When a tape without a record tab is played to its end, the VCR will rewind and then eject the tape.
- Memory Rewind Off**  
When the POWER button is pressed during rewind, the VCR will turn off after rewind is complete.

- For record tab information, see page 5.

### Repeat Play

The VCR will play your recording over and over.

- 1 Press ACTION** to display the menu.
- 2 Press ▲▼** to select "SET UP VCR," and then press **▶** to display the "SET UP VCR" screen.
- 3 Press ▲▼** to select "REPEAT PLAY," and then press **▶** to select "ON" or "OFF."
  - When "ON" is selected, the VCR plays the tape to its end or until a blank portion of over 30 seconds is detected (erased portions are not considered blank). The tape is then rewound and played again and again until Repeat Play is turned off.
- 4 Press ACTION twice** to return to the normal screen.



### One Minute Skip

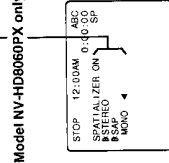
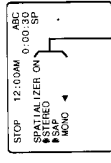
The VCR rapidly skips over one minute of tape.

- A Press ZERO/1 MIN** in Play mode.
  - The VCR will go into FF search mode and skip over 60 seconds of recorded time. Normal playback will then resume.

### Zero Search

To quickly return to a specific tape location.

- a Press DISPLAY** to display the Time Counter overlay during playback.
- b Press COUNTER RESET** to reset the Time Counter to "0:00:00" at the desired position.
- c Continue playback, rewind, or fast forward.**
- d Press ZERO/1MIN** in Stop mode when you want to return to "0:00:00."
  - The VCR will go into FF or REW mode and stop at the last point the Time Counter was set to 0:00:00.

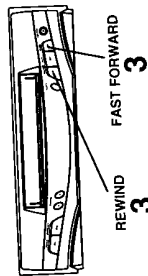


# Tape Operation (continued)

\*Important: If the remote control POWER, ACTION, PROG., CH▲, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

## VHS Index Search System (Models NV-SD8020PX/ NV-SD8040PX only)

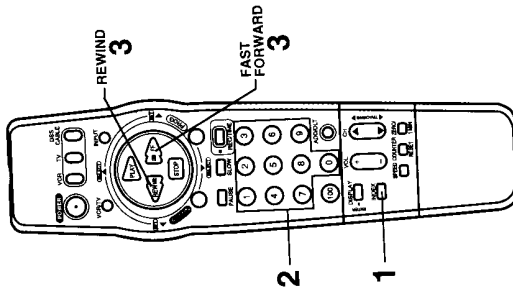
VHS Index Search System instructions for model NV-HD9050PX, see pages 28 and 29. Each time you start a recording, an invisible index mark is automatically placed on the tape. You can then use these index marks to access or scan your recordings.



### Direct Access

This feature allows you to go directly to the recording you want from anywhere on the tape by entering the appropriate index number.

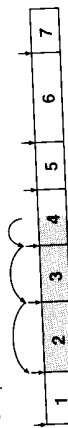
- 1 Press **INDEX\*** in Playback or Stop mode.
- 2 Press a **NUMBERED** key to select the desired recording.
  - To calculate the number, see below.
- 3 Press **REW** or **FF** to start a reverse or forward search.
  - When the designated location is reached, the VCR goes into Playback mode.



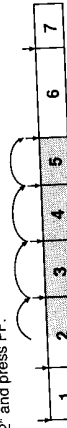
### To calculate an Index Number

Count forward or backward each recording start point, including the recording you want to see, from wherever you are on the tape.

**Example 1:** If you are watching recording 4 and you want to watch recording 2, count the start points to number 2. The total is 3. Enter 3 in step "2" and press REW.



**Example 2:** If you are watching recording 2 and you want to watch recording 6, count the start points to number 6. The total is 4. Enter 4 in step "2" and press FF.



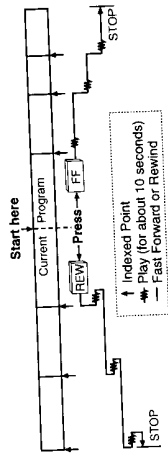
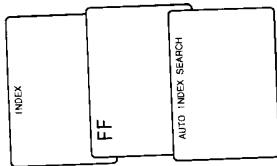
NOTE: ↓ indicates start points of each recording.

- NOTES**
- Make each entry within 10 seconds, or the Index Search mode will be cancelled.
  - Index marks will be placed for Timer recordings as well.
  - If any of the VHS Index Search System are initiated extremely close to an index mark, the index mark may not be counted in the search.

## Index Scan

This feature allows you to scan (forward or reverse) each recording for 10 seconds in Playback mode.

- Press **INDEX** in Playback or Stop mode.
- Press **REW** or **FF** to begin the scan.
  - As each index mark is reached, a short playback will be performed after which FF or REW resumes.
- Press **PLAY** to cancel the scan and begin playback.
  - You may also press **STOP** to stop the tape.



## Auto Operation Functions

**Auto Playback**  
When a tape is inserted, the power turns on (Auto). If the record tab\* is removed, playback begins (Auto).

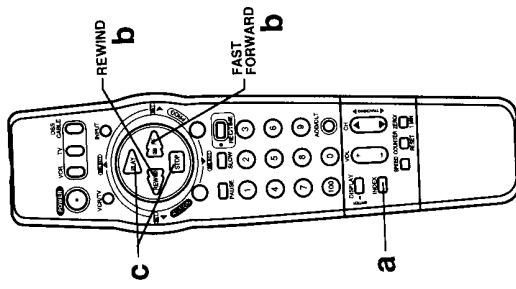
**Auto Rewind**  
When a tape reaches its end during playback, fast forward or manual record, the VCR will rewind and go into Stop mode.

**Playback Auto Eject**  
(Repeat Play is "OFF.")

When a tape without a record tab\* is played to its end, the VCR will rewind and then eject the tape.

**Memory Rewind Off**  
When the **POWER** button is pressed during rewind, the VCR will turn off after rewind is complete.

\* For record tab information, see page 5.



# Tape Operation (continued)

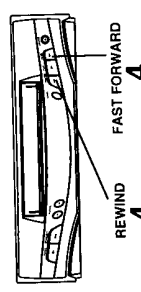
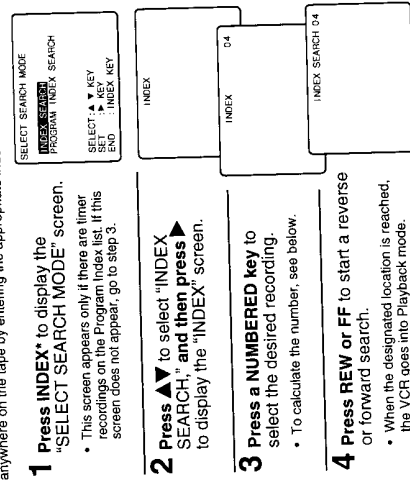
**\*Important:** If the remote control POWER, ACTION, PROG., CH▲, INDEX or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

## VHS Index Search System (Model NV-HD8060PX only)

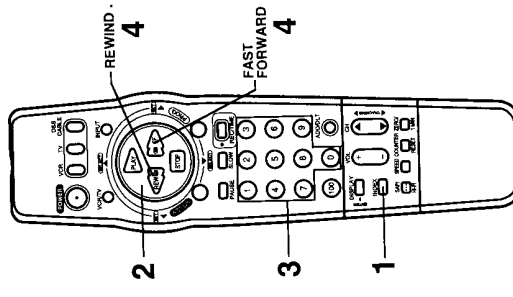
Each time you start a recording, an invisible index mark is placed on the tape. When timer recordings are made, program index and program information (see "Time Stamp Feature" on page 23) are also included. You can then use these index marks to access or scan your recordings.

### Direct Access

**(For normal and/or timer recordings)**  
This feature allows you to go directly to the recording you want from anywhere on the tape by entering the appropriate index number.

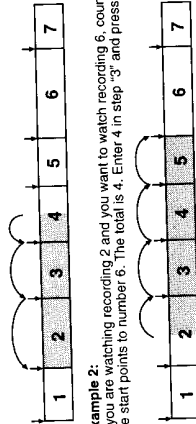



- 1 Press INDEX\*** to display the "SELECT SEARCH MODE" screen.
  - \* This screen appears only if there are timer recordings on the Program Index list. If this screen does not appear, go to step 3.
- 2 Press ▲▼** to select "INDEX SEARCH," and then press ► to display the "INDEX" screen.
- 3 Press a NUMBERED key** to select the desired recording.
  - \* To calculate the number, see below.
- 4 Press REW or FF** to start a reverse or forward search.
  - \* When the designated location is reached, the VCR goes into Playback mode.



**To calculate the Index Number**  
Count forward or backward each recording starting point, including the recording you want to see, from wherever you are on the tape.

**Example 1:**  
If you are watching recording 4 and you want to watch recording 2, count the start points to number 2. The total is 3. Enter 3 in step "3" and press REW.

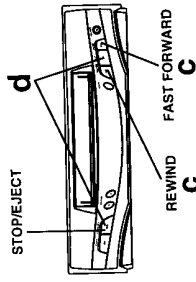


NOTE: ↓ indicates start points of each recording.

**NOTES**

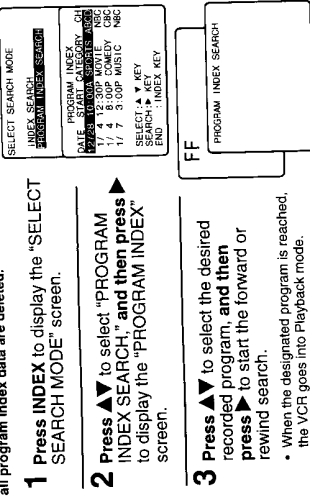
- Make each entry within 10 seconds, or the Index Search mode will be cancelled.
- Index marks will be placed for Timer recordings as well.
- If the VHS Index Search System are initiated extremely close to an index mark, the index mark may not be counted in the search.
- In the Program Index Search, this VCR can memorize 8 programs in order of recording. If over 8 programs, the first program will be deleted and the new program will be listed.

**Important for Program Index Search:**  
Timer recordings must be recorded back to back in order for them to be placed on the Program Index list. If a timer recording is followed by a function, such as REW or PLAY, the data is lost.



## Program Index Search

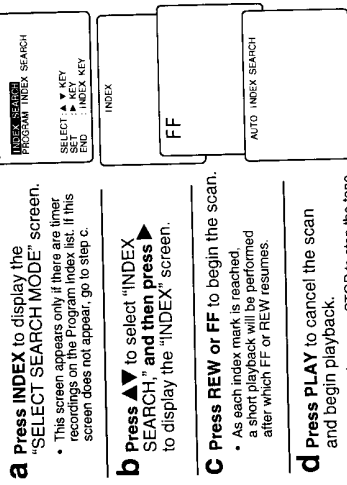
**(For timer recordings only)**  
This feature allows you to choose a timer recorded program from a Program Index list and then start a search for that program. When the tape is ejected or normal recording is started, all program index data are displayed.



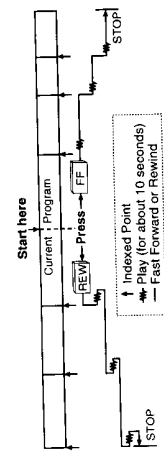
- 1 Press INDEX** to display the "SELECT SEARCH MODE" screen.
- 2 Press ▲▼** to select "PROGRAM INDEX SEARCH," and then press ► to display the "PROGRAM INDEX" screen.
- 3 Press ▲▼** to select the desired recorded program, and then press ► to start the forward or rewind search.
  - \* When the designated program is reached, the VCR goes into Playback mode.

## Index Scan

**(For normal and/or timer recordings)**  
This feature allows you to scan (forward or reverse) each recording for 10 seconds in Playback mode.



- Press INDEX** to display the "SELECT SEARCH MODE" screen.
  - \* This screen appears only if there are timer recordings on the Program Index list. If this screen does not appear, go to step c.
- Press ▲▼** to select "INDEX SEARCH," and then press ► to display the "INDEX" screen.
- Press REW or FF** to begin the scan.
  - \* As each index mark is reached, a short playback will be performed after which FF or REW resumes.
- Press PLAY** to cancel the scan and begin playback.
  - \* You may also press STOP to stop the tape.



More You Can Do

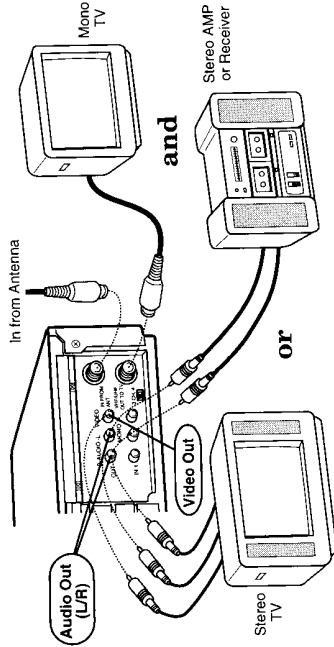
# MTS Broadcast/VHS Hi-Fi Stereo System

(For Model NV-HD8060PX only)



- Check list before you begin.
- The VCR is connected to a stereo TV, or a mono TV and an external stereo amp or receiver with speakers.
- The VCR and other components are plugged in and turned on.

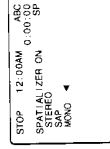
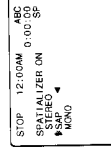
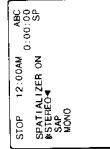
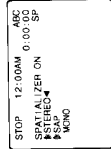
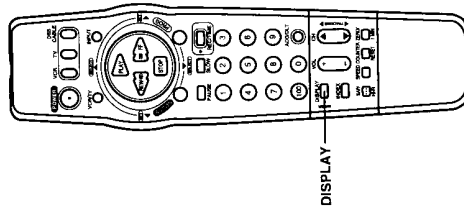
## Connections to Make



When recording, you may monitor in stereo, by connecting the VCR to either a stereo TV, or a mono sound TV with an external stereo amp and speakers.

## Receivable Broadcast Types

The following are possible audio broadcast types and on-screen displays. The signal being received is indicated with an "R" mark while the selected audio mode is indicated with an arrow.



### MTS Stereo and SAP broadcast

Multi-channel Television Sound Stereo (main language) and Secondary Audio Program (sub language) broadcasts are being received simultaneously. Select STEREO or SAP audio mode.

### MTS Stereo broadcast

Multi-channel Television Sound Stereo broadcast. Select STEREO audio mode. If a stereo broadcast is weak and the display flickers, you may want to select the MONO audio mode for better results.

### SAP broadcast

Secondary Audio Program (sub language) broadcast. Select SAP audio mode for the sub language.

### MONO broadcast

Normal monaural sound broadcast.

Equipped with **dbx**™ TV Noise Reduction for true MTS reproduction. **dbx**™ TV Noise Reduction is required for good signal separation and audio fidelity. **dbx**™ is a registered trademark and is licensed by **dbx**™ Technology Licensing.

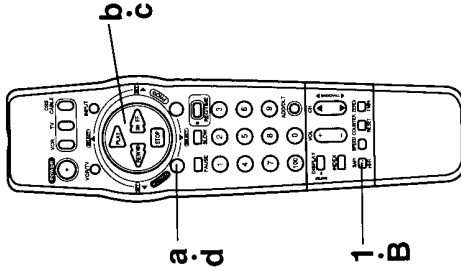
### \*Important:

If any of the remote control POWER, ACTION, PROG, CH, INDEX or ADD/DL buttons do not work when pressed, press the VCR button on the remote and try the button again.

### With the proper audio mode setting, your VCR can:

- 1) record and playback an MTS stereo broadcast (main language) in stereo, Hi-Fi, record and playback a mono broadcast (main language) in mono, Hi-Fi, and record and playback a mono broadcast (sub language) on the Hi-Fi tracks for better quality monaural sound.
- 2) playback non Hi-Fi tapes in monaural.

- When recording, the selected broadcast sound is always recorded on the left and right Hi-Fi tracks as well as the normal monaural track. This means your tapes can be played back on Hi-Fi as well as non-Hi-Fi VCRs.



Portions of this product manufactured under license from Desper Products, Inc. SPATIALIZER and the circle-in-square device are trademarks owned by Desper Products, Inc.

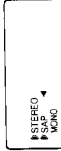


- When purchasing or renting prerecorded tapes, remember that only those recorded in Hi-Fi stereo will play back with true stereo sound. Standard stereo tapes will play back with monaural sound.
- In order to listen to Hi-Fi stereo playback, the VCR AUDIO (L/R) jacks must be connected to a stereo TV or an external stereo amp and speakers. (See page 30.)
- When adjusting the tracking during playback, the Hi-Fi audio sound may revert to normal audio sound. This is normal.
- There may be a difference in audio level between Hi-Fi and normal audio playback.

## Audio Mode for Recording

- 1 Press **SAP/Hi-Fi repeatedly** (each press within 5 seconds) to select the desired audio mode (STEREO, SAP, or MONO).

- Please refer to the "Receivable Broadcast Types" section on page 30.
- The arrow indicates your selection.



- 2 Make a recording.

See the "Record On a Tape" section on page 18.

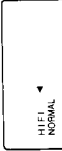
## Audio Mode for Playback

- A Playback the tape.

See the "Playback a Tape" section on page 17.

- B Press **SAP/Hi-Fi repeatedly** (each press within 5 seconds) to select the desired audio mode (Hi-Fi or NORMAL).

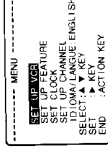
- Select "Hi-Fi" to listen to your stereo recordings with stereo sound, or "NORMAL" for monaural sound.
- The arrow indicates your selection.



## Spatializer Feature

This feature allows you to enhance the stereo sound so that it seems to come from a stereo TV or stereo amp/receiver. Note: Your VCR needs to be hooked up to a stereo TV or stereo amp/receiver with speakers (see page 30). For playback, tapes must be recorded in Hi-Fi stereo. For TV viewing, programs must be broadcast in stereo.

- a Press **ACTION** to display the menu.



- b Press **▲** to select "SET UP VCR," and then press **▶** to display the "SET UP VCR" screen.

- c Press **▲** to select "SPATIALIZER," and then press **▶** to select "ON" or "OFF."



- d Press **ACTION** twice to exit this screen.



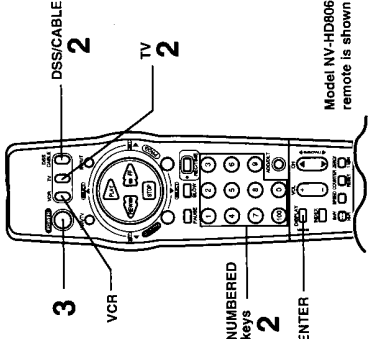
# Multi-Brand Control Feature

The Remote Control may be set up to control some of the functions on your TV or Cable Box.

TV Brand Code Numbers	
Panasonic	01, 02
Archer	01, 02
Cableview	01, 02
Chrysler	01, 02
CEC	03
JVC	03
Zenith	04
Magnavox	05
Sylvania	05
Sharp	06, 07
Sony	15, 16, 17
Toshiba	08
Sanyo	09
Rohrbaugh	10
Magnavox/Uniden 1	105
Magnavox/Uniden 2	106
Sony	107
RCA	108
Panasonic	109

DSS Brand Code Numbers	
Toshiba	103
Hiachi/Hughes	104
Magnavox/Uniden 1	105
Magnavox/Uniden 2	106
Sony	107
RCA	108
Panasonic	109

Cable Box Brand Code Numbers	
Archer	01, 29, 44, 88, 91
Cableview	04, 30, 42, 44, 52, 63, 85, 88
Chrysler	04, 30, 42, 44, 52, 63, 85, 88
Curtis	08, 09, 56, 61, 87, 90
Diamond	01, 29, 44, 88, 91
Drake	13, 20, 22, 26, 40, 58, 62, 98
Eastern	04, 30, 42, 44, 52, 63, 85, 88
GC Brand	04, 30, 42, 44, 52, 63, 85, 88
General Electric	04, 30, 42, 44, 52, 63, 85, 88
Hamlin	01, 02, 03, 04, 34, 55, 83, 85, 91, 93, 95
Hiachi	01, 02, 03, 04, 15, 28, 41, 97, 100, 102
Jerrold	01, 02, 03, 04, 34, 55, 83, 85, 91, 93, 95
Macom	01, 02, 03, 04, 34, 55, 83, 85, 91, 93, 95
Magnavox	01, 02, 03, 04, 34, 55, 83, 85, 91, 93, 95
Matsushita	16, 17, 101
Movietime	29, 32, 38, 39, 40, 42, 44, 52, 63, 85, 88
NSC	10, 11
Panasonic	16, 17, 101
Pioneer	13, 20, 23, 24, 96
Pulsar	04, 30, 42, 44, 52, 63, 85, 88
Radio Shack	16, 17, 101
RCA	16, 17, 101
Realistic	16, 17, 101
Regency	14, 41
Rembran	29, 32, 39, 42, 44, 28
Sabra	32, 40, 42, 48, 72
Sanyo	32, 40, 42, 48, 72
Scientific Atlanta	08, 09, 56, 61, 87, 90
Sheritech	32, 40, 42, 48, 72
SI, Marx	32, 40, 42, 48, 72
Spencer	16, 17, 101
Stargate	16, 17, 101
Sylvania	04, 30, 32, 40, 42, 44, 52, 63, 78, 85, 88, 94
Teknika	14, 41
Telecaption	77, 92
Television	32, 40, 42, 48, 72
Texascan	32, 40, 42, 48, 72
Toshiba	01, 33, 34, 42, 48, 49, 36
Uniden Satellite	65, 69
Unika	01, 29, 44, 88, 91
Universal	42, 43, 44, 52, 63, 88
Viewstar	13, 20, 22, 26, 40, 58, 62, 98
Videoway	07, 23, 50
Vid Tech	07, 23, 50
Vidter	64
Zenith	07, 23, 50



## Multi-Brand Control Setup

- Find your TV or Cable Box or DSS Box Brand Code Number** from one of the charts on this page.
- Hold down TV or DSS/CABLE. Use the NUMBERED keys** to enter your TV or Cable Box Brand code number.
  - For code numbers 100 or greater, first press the 100 key. Then, enter the remaining digit. E.g. for 102, press 100, then press 2.
- To confirm that the correct code was entered, **press POWER** to turn your TV or Cable Box or DSS Box On/Off.
- Try each of the functions listed on page 33.**
  - Due to changes in infra-red commands used by some TV or Cable Box brands, the functions listed for some TV or Cable Box brands are listed more than once. If your TV or Cable Box does not respond to the first code, please try entering the next code.
  - Please repeat the TV/Cable Box Set Up procedure when you replace the remote's batteries.
  - The remote control is designed to control the brands listed. However, it will not operate all TVs, Cable Boxes or DSS Boxes made by these manufacturers. If you get no results, your particular product brand cannot be controlled by this remote control.

NOTES

## Using the Multi-Brand Control

Once the remote control has been properly set up, you can select VCR, TV, or DSS/CABLE mode depending on which functions you wish to control.

Press **VCR** or **TV** or **DSS/CABLE** on the remote control to select the desired mode. (See below for the controllable functions of each mode.)

### NOTE:

In TV or DSS/CABLE mode, it may be necessary to press ENTER after pressing NUMBERED keys for channel selection.

### VCR Mode

In VCR mode, the following buttons are available.

- VCR  
 All function buttons.  
 TV  
 VOL UP/DOWN

### TV Mode

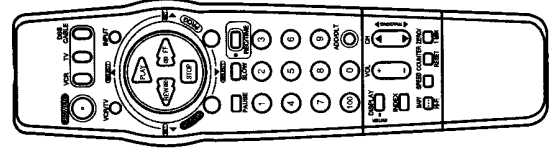
In TV mode, the following buttons are available.

- TV  
 POWER, INPUT, NUMBERED keys, ENTER, CH UP/DOWN, VOL UP/DOWN  
 VCR  
 VCR TV, PLAY, STOP, FF, REW, PAUSE, SLOW, REC. SPEED, SAP/HI-FI (NV-HD8060PX only), COUNTER RESET, ZERO/1 MIN.

### DSS/CABLE Mode

In DSS/CABLE mode, the following buttons are available.

- DSS/CABLE  
 POWER, NUMBERED keys, ENTER, CH UP/DOWN  
 TV  
 VOL UP/DOWN  
 VCR  
 VCR TV, PLAY, STOP, FF, REW, PAUSE, SLOW, REC. SPEED, SAP/HI-FI (NV-HD8060PX only), COUNTER RESET, ZERO/1 MIN.

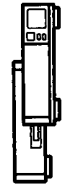


Model NV-HD8060PX remote is shown here.



- Some TV, Cable Box and DSS Box brands require you to turn on the power manually.
- Not all functions listed may be controlled by this remote control.

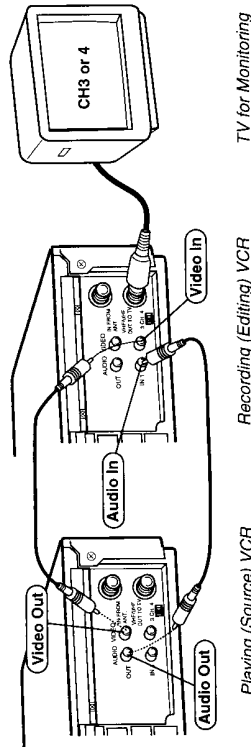




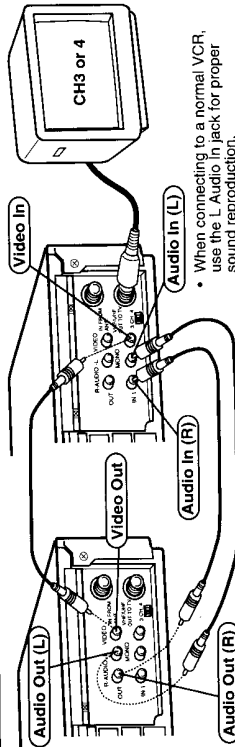
## Copying Your Tapes (Dubbing)

Connections you'll need to make.

For Models NV-SD8020PX/NV-SD8040PX



For Model NV-HD8060PX



• When connecting to a normal VCR, use the L Audio In jack for proper sound reproduction.

**1** Insert a pre-recorded tape into the Playing (Source) VCR.

**2** Insert a blank tape with record tab into the Recording (Editing) VCR.

**3** Select "LINE" input mode on the Recording (Editing) VCR. (See "Selecting the Input Mode" on page 19.)

**4** Press PLAY on the Playing VCR. Press PAUSE at the desired starting point.

### To Monitor Dubbing on Your TV

- 1 Turn your TV on and tune to the Recording VCR channel (CH3 or CH4).
- 2 Set the VCR/TV Selector on the Recording VCR to "VCR."

**5** Press REC on the Recording VCR, and then press PAUSE immediately thereafter.

**6** Press PAUSE on both VCRs at the same time, to begin copying.

**To Edit Out Unwanted Parts**  
Press PAUSE on the recording VCR while copying is in progress. Press PAUSE again to resume copying.

**7** Press STOP on both VCRs to stop copying.

**Caution:**  
Unauthorized exchanging and/or copying of copyrighted recordings may be copyright infringement.



## Before Requesting Service

Check the following points once again if you are having trouble with your VCR.

<b>Power</b>	No power...	<b>Correction</b>	<ul style="list-style-type: none"> <li>• Completely insert the Power Plug into an AC outlet.</li> <li>• Set the POWER button to ON.</li> </ul>
<b>Recording &amp; Playback</b>	TV program cannot be recorded...	<b>Correction</b>	<ul style="list-style-type: none"> <li>• Check connections between VCR, external antenna, and your TV.</li> <li>• Make sure your antenna system (CABLE or TV or EUROPE) is correctly set. (To Change Antenna System and Replace Channels in Memory [P. 15])</li> <li>• Make sure that the record tab is intact on the cassette. (P. 5)</li> </ul>
	Timer recording cannot be performed...		<ul style="list-style-type: none"> <li>• Set the recording start/stop times correctly. (P. 20)</li> <li>• Make sure that the POWER button is set to OFF. (P. 20)</li> <li>• Timer recording may not be performed or continued if a power interruption of more than 1 minute occurs before or during a Timer Recording, even after power is restored.</li> </ul>
	There is no playback picture, or the playback picture is noisy or contains streaks...		<ul style="list-style-type: none"> <li>• Select channel 3 or 4 on the TV to match the Channel 3/4 switch located on the rear panel of the VCR. (P. 6)</li> <li>• Set the VCR/TV selector to "VCR."</li> <li>• Check that channel 3 or 4 of the TV is properly tuned in.</li> <li>• Adjust the TRACKING control in either direction. (P. 17)</li> </ul>
	Special effects playback, picture may contain some vertical jitter, when using a TV with an Automatic Vertical Hold Control...		<ul style="list-style-type: none"> <li>• Set the TV's Vertical Hold Control to "MANUAL" and then adjust it.</li> </ul>
	VCR can not be controlled...		<ul style="list-style-type: none"> <li>• Make sure that VCR LOCK is set to off. (P. 24)</li> </ul>
<b>Remote Control</b>	There is no playback picture, or the playback picture cannot be remote controlled...	<b>Correction</b>	<ul style="list-style-type: none"> <li>• Aim the Remote Control directly at the remote sensor on the VCR. (P. 10)</li> <li>• Avoid all obstacles which may interfere with the signal path.</li> <li>• Inspect the remote batteries for possible replacement. (P. 4)</li> <li>• Make sure that VCR LOCK is set to off. (P. 24)</li> <li>• Exposing the VCR remote sensor to direct fluorescent or outdoor light may cause signal interference.</li> </ul>
	ACTION and PROG buttons can not be used...		<ul style="list-style-type: none"> <li>• Press the VCR button to select VCR mode. (P. 33)</li> </ul>
<b>Miscellaneous</b>	Programs cannot be viewed on TV...	<b>Correction</b>	<ul style="list-style-type: none"> <li>• Set the VCR/TV selector to "TV." (P. 19)</li> </ul>
	Video cassette cannot be inserted...		<ul style="list-style-type: none"> <li>• Insert the cassette with window side up, record tab facing you.</li> </ul>
	Video cassette cannot be removed...		<ul style="list-style-type: none"> <li>• Completely insert the Power Plug into an AC wall outlet.</li> </ul>
	Video cassette ejects when a recording is started or the power is turned off for timer recording...		<ul style="list-style-type: none"> <li>• Make sure the record tab is intact on the cassette. (P. 5)</li> </ul>
	The top of the playback picture waves back and forth excessively...		<ul style="list-style-type: none"> <li>• To enable the quick play mechanism, the cylinder will rotate for about 5 minutes. This reduces response time from Stop to Play mode from Play to Rewind Search mode.</li> </ul>
			<ul style="list-style-type: none"> <li>• Because the VCR playback signal is not as stable as an off-the-air TV signal, the top of your TV screen may be bent or unstable during playback. Slowly turn the horizontal hold control on your TV to correct the wavy picture. If your TV does not have a horizontal hold control or adjusting the control does not help, please contact your local TV service center.</li> </ul>