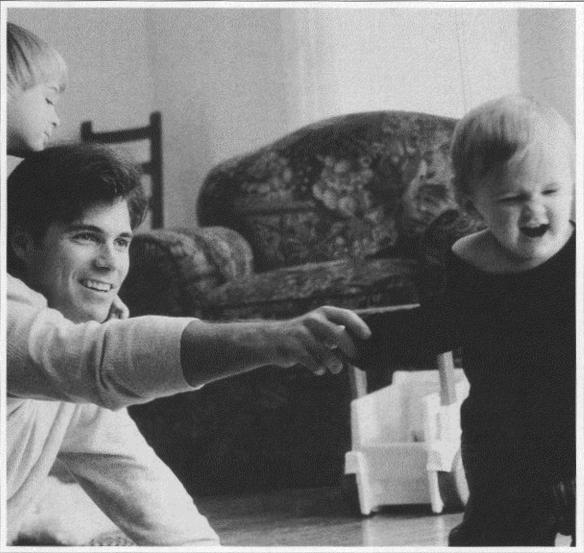
ForYour Information



Omnivision WIS

Panasonic

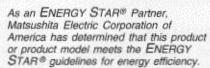
Video Cassette Recorder Operating Instructions Model No. PV-V4600



Please read these instructions carefully before attempting to connect, operate or adjust this product. Please save this manual.

Spanish Quick Use Guide is included. (Guia para rápida consulta en español está incluida.)

Quick Use Guide is on the back cover.







Easy Taping.

LSQT0244A

For assistance, call 1-800-211-PANA(7262).

Important Safeguards and Precautions

FOR YOUR SAFETY, READ AND RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS. HEED ALL WARNINGS IN THE MANUAL AND ON THE UNIT

INSTALLATION

POWER SOURCE CAUTION 1

Operate only from a power source indicated on the unit or in this manual. If necessary, have your Electric Utility Service Company or Video Products Dealer verify the power source in your home.

2 POLARIZED OR GROUNDING PLUG As a safety feature, this Video product comes with either a polarized power cord plug (one blade is wider than the other), or a three-wire grounding type plug.

POLARIZED PLUG CAUTION;

This plug will only fit into an outlet one way. If you cannot fully insert the plug, try reversing it. If it still will not fit, have an electrician install the proper wall outlet. Do not defeat the safety feature by tampering with the plug.

GROUNDING PLUG CAUTION:

This plug will only fit into a three-hole grounding outlet. If necessary, have an electrician install the proper outlet. Do not defeat the safety feature by tampering with the plug.

POWER CORD 3

Make sure power cords are routed so that they are not likely to have anything rest on them, roll over them, or be in the way of walking traffic. If an extension cord is used, make sure it also has either a polarized or grounded plug and that the cords can be securely connected. Frayed cords, damaged plugs, and damaged or cracked wire insulation are hazardous and should be replaced by a qualified service technician Overloaded outlets and extension cords are fire hazards and should be avoided.

DO NOT BLOCK VENTILATION HOLES

Ventilation openings in the cabinet release heat generated during operation. If they are blocked, heat build-up inside the unit can cause failures that may result in a fire hazard or heat damage to cassettes.

- For protection, follow these rules:
- a. Never cover ventilation slots or the unit while in use, or operate the unit when placed
- on a bed, sofa, rug, or other soft surface. Avoid built-in installation, such as a book case b. or rack, unless proper ventilation is provided.
- AVOID EXTREMELY HOT LOCATIONS OR 5 SUDDEN TEMPERATURE CHANGES

Do not place the unit over or near any kind of heater or regulator, in direct sunlight, inside a closed vehicle, etc.. Do not move the unit suddenly between areas of extreme temperature variation. If the unit is suddenly moved from a cold place to a warm place, moisture may condense in the unit and on the tape.

6 TO AVOID PERSONAL INJURY

- Do not place unsecured equipment on a sloping surface.
 - Do not place this unit on any support ٠ that is not firm, level, and adequately strong. The unit could fall causing serious injury to a child or adult and damage to the unit.
- An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- Carefully follow all operating instructions and use the manufacturer's recommended accessories when operating this unit or connecting it to any other equipment.

Safety Precautions

OUTDOOR ANTENNA INSTALLATION

SAFE ANTENNA AND CABLE CONNECTION 1 If an outside antenna or cable 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 and voltage surges. Section 810 of the Nation Electrical Code, ANSI/NFPA 70 SERVICE (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit.



size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

2 KEEP ANTENNA CLEAR OF HIGH VOLTAGE POWER LINES OR CIRCUITS

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, extreme care should be taken to avoid touching 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 2 STRONG IMPACT, unplug the unit and have it inspected by a qualified service technician before use.
- DURING AN ELECTRICAL STORM з

During a lightning storm, whether 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

Never expose the unit to rain or water. 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 parts
- carry hazardous voltages and contact can cause electric 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 5

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 surface. Exposure to greasy, humid, or dusty areas may adversely affect internal parts.

SERVICE

- DO NOT SERVICE THIS PRODUCT YOURSELF 1 If, 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.
- 2 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.
- 3 HAVE THE SERVICE TECHNICIAN PERFORM A SAFETY CHECK After any service or repairs to the unit, request the service technician to conduct a through safety check as described in the manufacture's service literature to insure that the video unit is in safe operating condition.

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture. CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert. Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.



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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Enjoy more!	Advanced Connections (Cable/DSS) 12 Copying Your Tapes (Dubbing) 12 Timer Recording • Review, Replace or Clear Vising VCR Buttons 12 Program Contents 14 • Choose your connection type 14 • Cable Box Setup 15 • Cable Box Setup 15 • VCR Plus+ System • VCR Plus+ System • VCR Plus+ System • VCR Plus+ System • VCR Plus+ System • VCR Plus+ System • ProgramIndex Search (Search System) 20 • Program Index Search, Index Scan 21 • Auto Operation Functions 21 • Direct Access 22	11 1 , 13 1 3 1 7 1 7 3 , 19 ~ 23 2 3 2 3	Advanced Operation
	MTS Broadcast/ VHS Hi-Fi Stereo System24• Stereo/SAP/Mono Broadcast• Select Audio Mode24Special VCR Features26• Channel Caption26, 27• VCR Lock• Time Stamp28, 29• Weak Signal Display ON/OFF• Tape Position Display30• Auto Shut-Off• Remote Warning ON/OFF30• Shuttle Variable Speed Search	25 ~ 31 30 31 31	on
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3

Before Using

Basic Connection

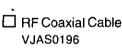
Congratulations

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 below. The serial number is on the tag located on the back of your VCR.

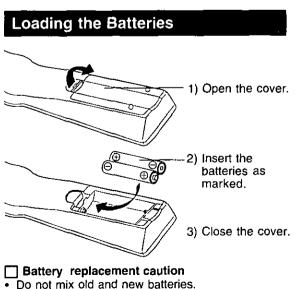
- Date of Purchase ______
- Dealer Purchased From ______
- Dealer Address ______
- Model No. _____

• Serial No. _____

Accessories Batteries 2 "AA" Remote Control LSSQ0231 6 **6** 7 000 \Rightarrow കക നനന



To order accessories, call toll free 1-800-332-5368.

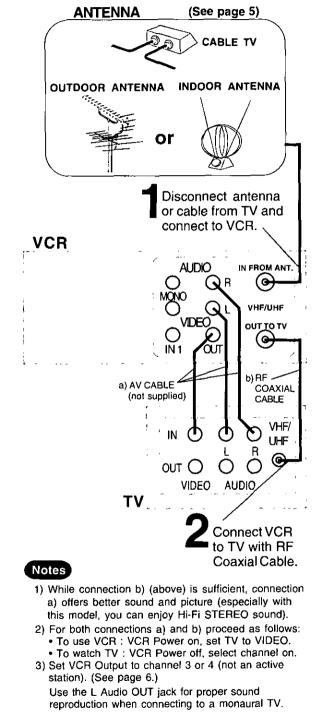


Δ

Do not mix alkaline with manganese batteries.

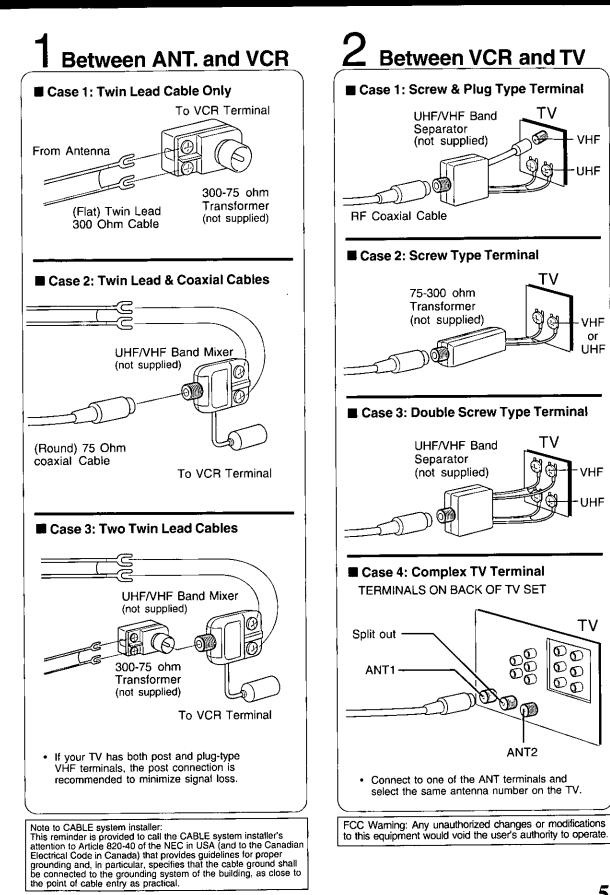
If your TV has AUDIO and VIDEO IN terminals, connect them to VCR for higher quality picture and sound. You can enjoy stereo sound even if your TV is not stereo by connecting a stereo amplifier to the VCR.

Connect VCR and TV with an AV Cable (not supplied) or a RF Coaxial Cable (supplied) as shown in the figure below.



WARNING

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



OneTimeVCR Setup

When VCR is turned on the first time,

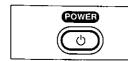
setup mode is entered automatically.

Process of Setup

Channel

Language

Clock \Box



Turn the TV and VCR on. Press POWER*.

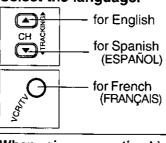
Set TV Channel to CH 3.

 If using AV Cable connection, set TV to Video instead of channel. (See connection a) on page 4.)



only. Select the language.

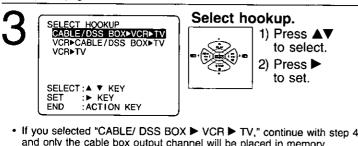
SELECT LANGUAGE PUSH CH ▲ : ENGLISH OPRIMIR CH ▼ : ESPAÑOL APP. VCR/TV : FRANÇAIS TO CHANGE VCR'S OUTPUT CH, PUSH ACTION KEY. VPress ACTION IF YOU PUSH ACTION KEY, VCR'S OUTPUT CH SWITCHES TO CH 4. ♦ Press ACTION PLEASE TUNE YOUR TV TO CH 4 J After 3 seconds



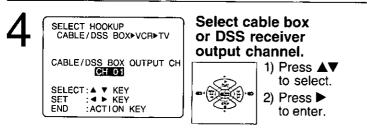
When using connection b) (see page 4), tune TV to VCR's output channel.

If there is beat or noise on CH3, change VCR's output channel to CH4 by pressing ACTION twice.

- Always tune TV to this channel to monitor the VCR.
- If you used audio/video jack connection, tune the TV to its video input. If wrong language is set, do "Reset All VCR Memory Functions" steps on page 34.



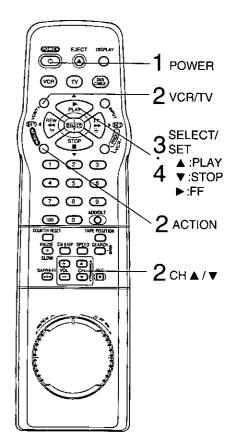
 If you selected "CABLE/ DSS BOX ► VCR ► TV," continue with step 4 and only the cable box output channel will be placed in memory. If not, go to step 6.



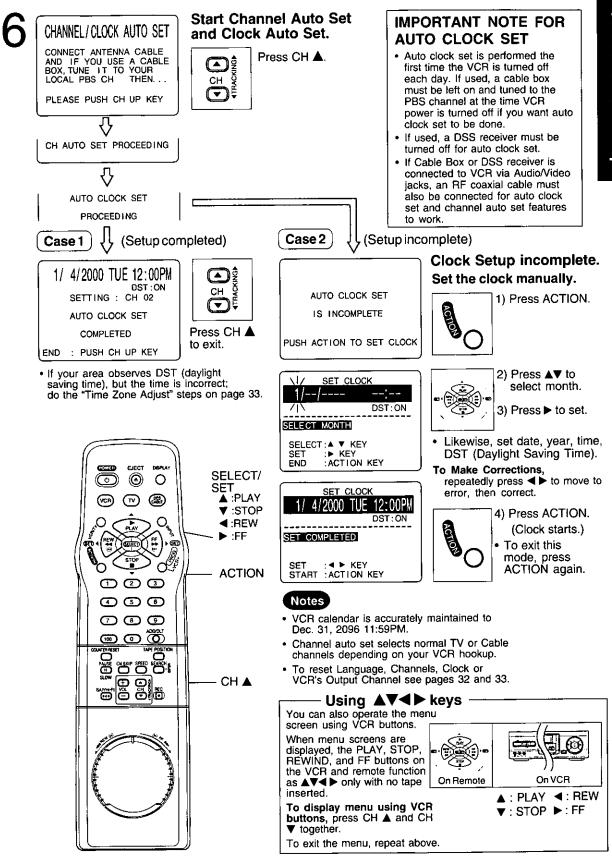
- · If necessary, refer to cable box manual,
- · If you used Audio/ Video jack connection to cable box, set "VIDEO OUT".

Turn on cable box and set it to PBS channel in your time zone.

If you use DSS receiver, it must be turned off.

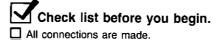


*Important: If the remote control POWER, ACTION, PROG/VCR+, CH▲/▼, NUMBERED keys, INPUT, SEARCH or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.



One Time VCR Setup

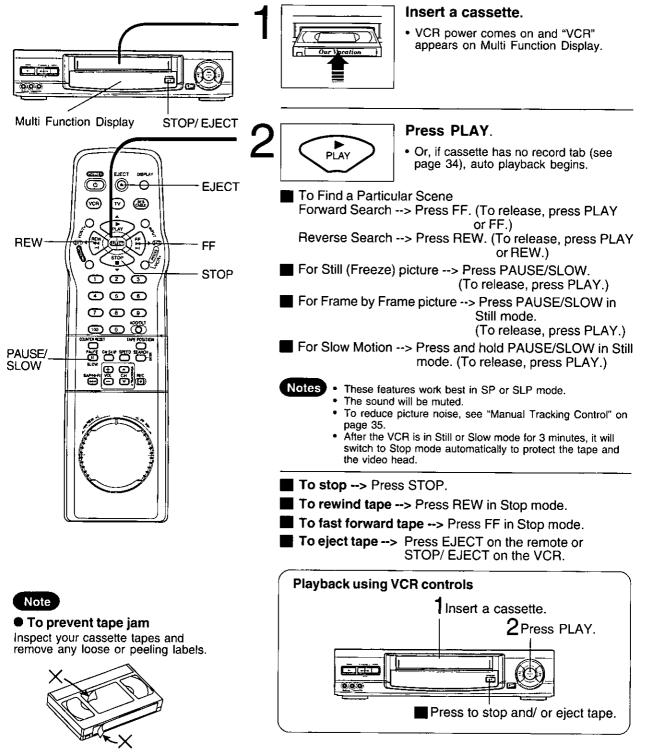
Playback a Tape



TV and VCR are plugged in.

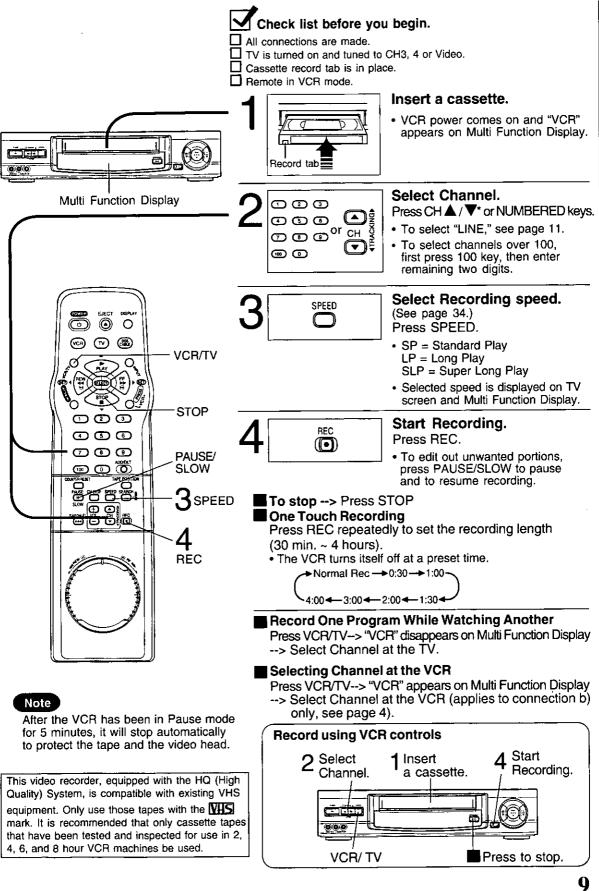
TV is turned on and tuned to CH3, 4 or Video.

Remote is in VCR mode.



Record On a Tape

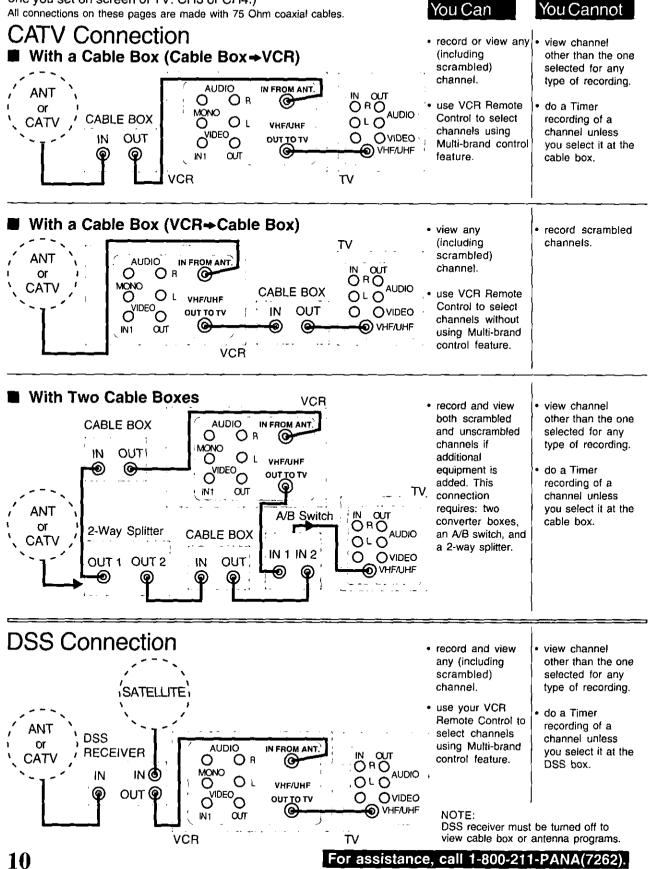
*Important: If the remote control POWER, ACTION, PROG/VCR+, CH ▲/▼, NUMBERED keys, INPUT, SEARCH or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.



Playback/Recording

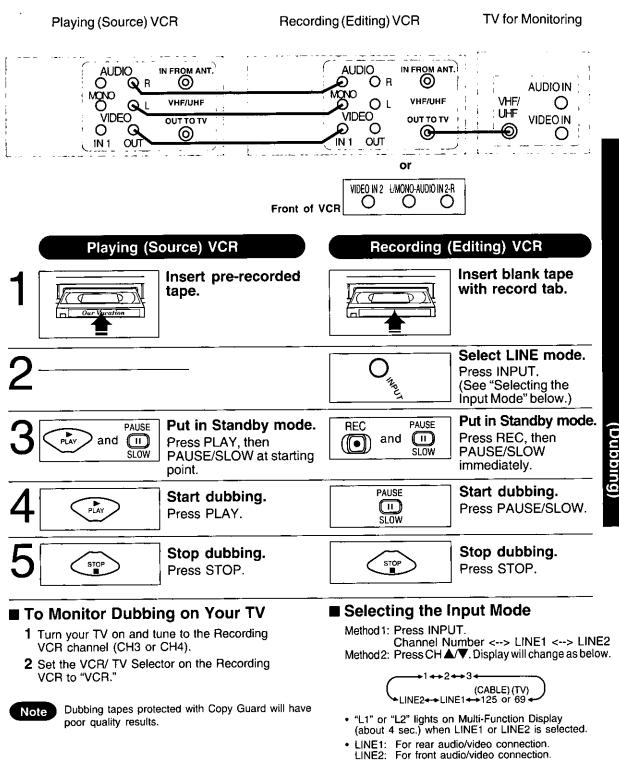
Advanced Connections

Be sure to tune TV to VCR output channel. (The same one you set on screen of TV: CH3 or CH4.) All connections on these pages are made with 75 Ohm coaxial cables.



Copying Your Tapes (Dubbing)

Connections you'll need to make.



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

Timer Recording

You can set up to 8 programs to be recorded while you are away.

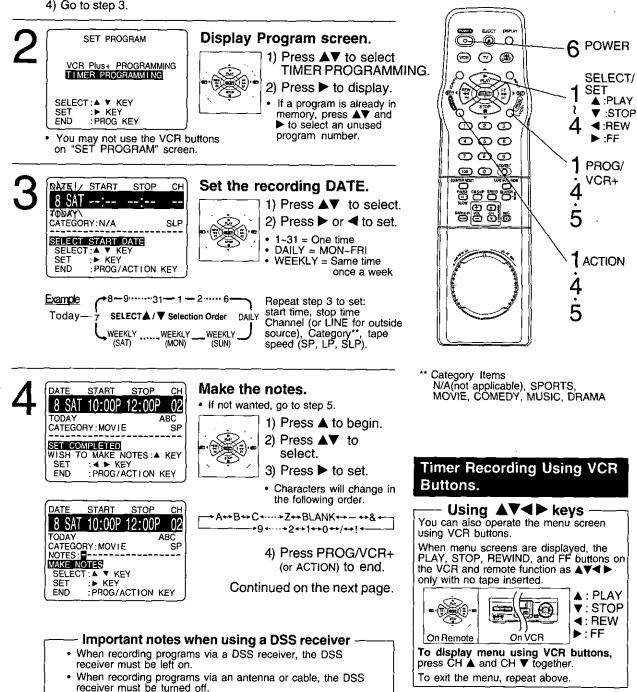


Display SET PROGRAM.

Press PROG/VCR+.*

You can also display Program screen from Menu.

- 1) Press ACTION to display Menu.
- · You can also set up using VCR buttons. See the bottom right of this page.
- Press ▲▼ and ▶ to select and set SET UP FEATURE.
- Press to display Program screen.
- Go to step 3.



Check list before you begin.

TV and VCR are plugged in and turned on.

All connections are made.

VCR/TV selector is set to "VCR."

Record tab in place. (See page 34.)

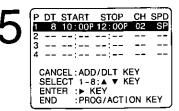
Clock is set to correct time.

Remote in VCR mode.

(See pages 4~5.)

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



End the program.

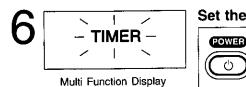


(or ACTION).

To Enter More Programs Press ▲▼ to select, and ► to display a blank program number. Then repeat steps 3 and 4.

> 2) Press PROG/VCR+ (or ACTION) again to exit.

1) Press PROG/VCR+



Set the timer.

Ċ

Press Power off. When recording programs via a cable box, make sure the

cable box is left ON and tuned to the desired channel.



To cancel Timer Recording-

(Recording is in progress)

Press POWER and then STOP

within 10 seconds to cancel the

Timer recording. (The TIMER indicator goes out on Multi

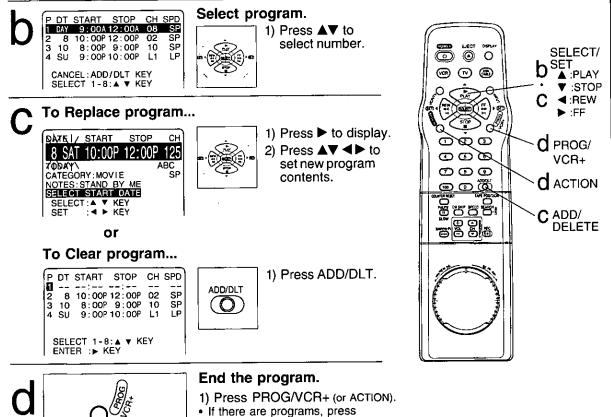
Function Display.)

Multi Function Display

Review, Replace or Clear Program Contents:

(Recording is not in progress)





POWER off.

Timer Recording Using VCR Plus+[®] System

VCR Plus+ System is ...

a feature that allows you to set **most items** of a timer recording by simply entering a special code number (PlusCode programming number) found in TV GUIDE and selected newspaper TV listings.

Process of Recording

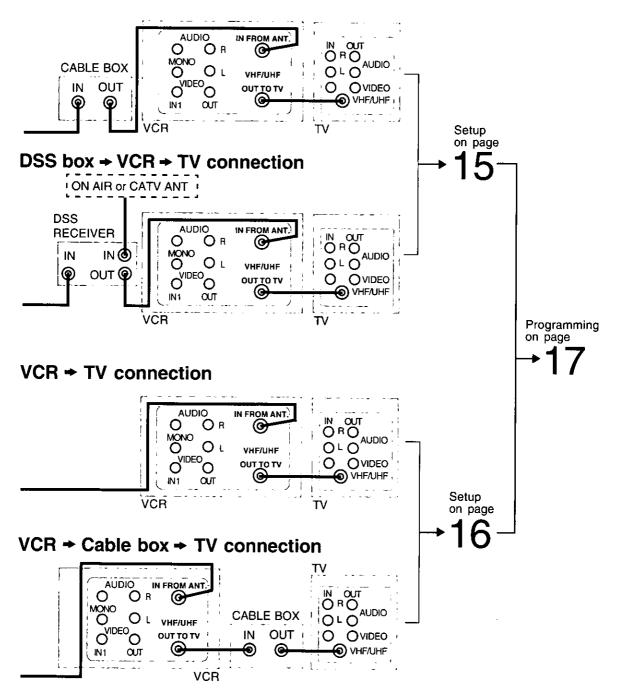
Connection =>

Setup => Prog

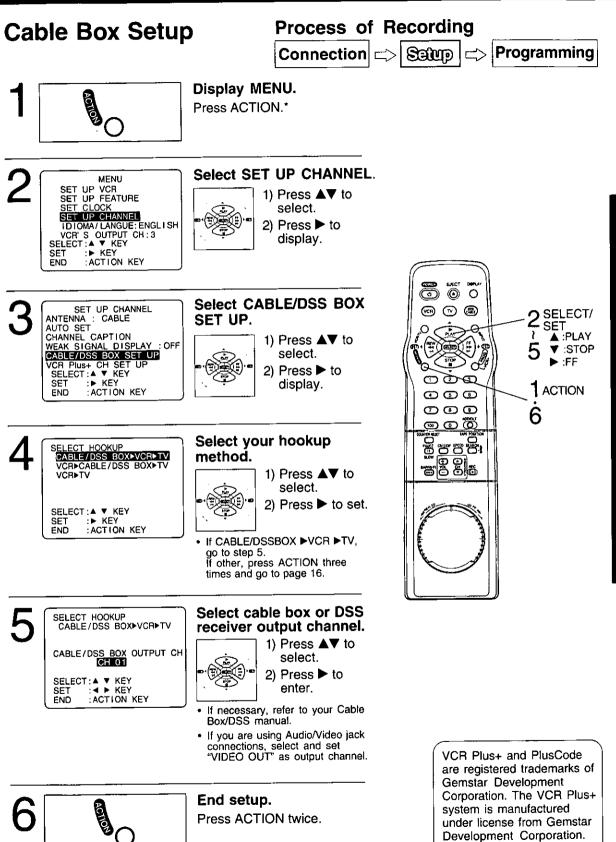
Programming

Find the type of connection you use from the following diagrams and proceed to the page number indicated to begin set up.

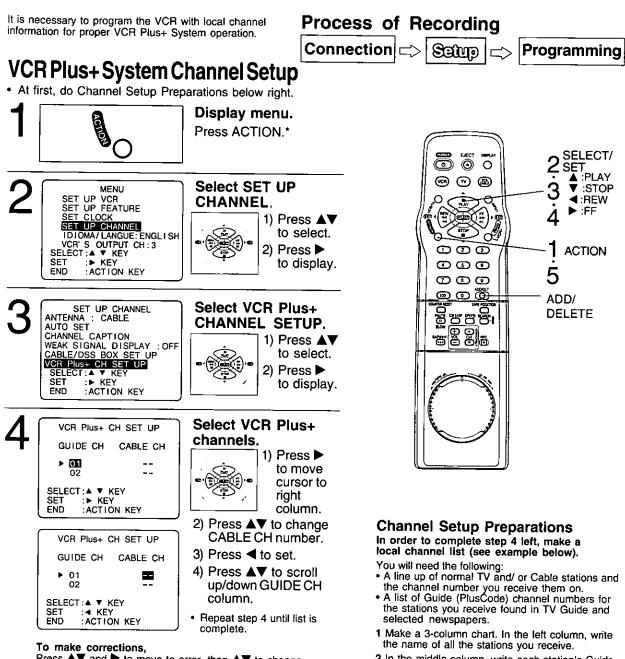
Cable box → VCR → TV connection



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



Timer Recording Using VCR Plus+®System (continued)



Press $\blacktriangle \forall$ and \triangleright to move to error, then $\blacktriangle \forall$ to change, or ADD/DLT* to erase number.



End setup.

Press ACTION three times.

Notes

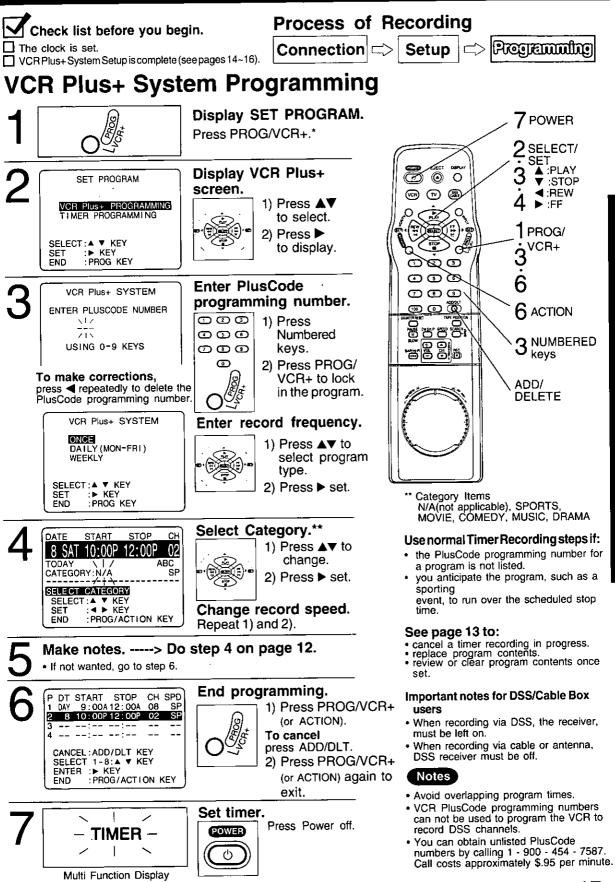
Make each entry within 5 minutes or the VCR will exit this mode.
Once local channels have been programmed, they will stay in memory, even in the case of a power failure.

- 2 In the middle column, write each station's Guide (PlusCode) number from TV Guide.
 3 In the right column, write the standard statistics
- 3 In the right column, write the channel number your TV receives the station on.

EXAMPLE ONLY				
Broadcast or Cable Station Name	Assigned Guide (VCR Plus+) channel no.	Channel no. your TV receives the station on		
HBO	33	15		
Nickelodeon	38	20		
CBS	04	04		
FOX	11			

For assistance, call 1-800-211-PANA(7262).

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



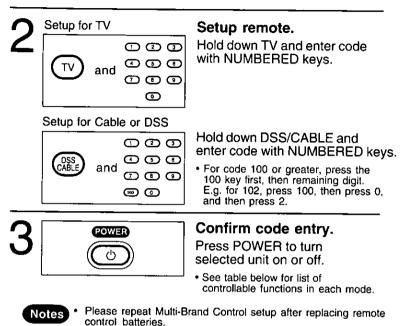
Multi-Brand Control Feature

The Remote Control may be set up to control some TV or Cable/DSS Box functions.

Multi-Brand Control Setup



Find your TV, Cable or DSS Receiver Brand Code Number on following page.



 The remote control will not operate all TVs, Cable Boxes, and DSS receivers made by manufacturers listed. If you get no results, your particular brand cannot be controlled.

3 POWER EJECT DOPLA 0 0 TV or \bigcirc ۲ (VCR) DSS/ CABLE 000 2 NUMBERED keys $\Theta \odot \odot$ $\bigcirc \bigcirc \bigcirc \bigcirc$ • • Ť 5525 ē

Using the Multi-Brand Control

After remote control is setup, you can select VCR, TV, or DSS/CABLE for the desired function.

Press VCR or TV or DSS/CABLE on the remote control.

This table shows which buttons are available for each mode.

Available Mode Buttons		τv	CABLE/ DSS
VCR	All Functions	VOL UP/DOWN	
τν	VCR/TV, PLAY, STOP EJECT, SAP/Hi-Fi, DISPLAY, FF, REW, PAUSE/SLOW, REC, SPEED, COUNTER RESET TAPE POSITION, CM SKIP	POWER, INPUT, NUMBERED keys, ENTER, CH UP/ DOWN, VOL UP/DOWN	
CABLE/ DSS	VCR/TV, PLAY, STOP EJECT, SAP/Hi-Fi, DISPLAY,FF, REW, PAUSE/SLOW, REC, SPEED, COUNTER RESET TAPE POSITION, CM SKIP	VOL UP/ DOWN	POWER, ENTER, NUMBERED keys (except 100key), CH UP/ DOWN

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

TV Brand Code Numbers

Panasonic 01, 02	Sylvania05	JVC 11
	Sharp06, 07	
RCA	Sony 08	Mitsubishi 07, 13
GE 03	Toshiba 09	Samsung 14
Zenith 04	Sanyo 10	Gold Star 15, 16, 17
Magnavox 05	Fisher 10	

Cable Box Brand Code Numbers

Archer
Citizen 44, 52, 30, 63, 42, 04, 124, 126
Curtis
Century
Cabletenna 29, 09, 01, 63, 120, 44, 126
Cable Cinema
Diamond
Eagle
Eastern
Explorer
Gemini
General Electric
General Instruments 01, 84, 83, 34, 03, 02, 04, 55,
65, 66, 67, 68, 120, 106, 121, 122, 115, 117, 118, 124
Gerrard
GC Electronics 44, 42, 63, 29, 30, 52, 04, 124, 126
Hamlin
Hitachi
Jerrold
65, 66, 67, 68, 120, 106, 121, 122, 115, 117, 118, 124
Jasco
Macom
Magnavox
Matsushita
Movietime
Maestro
NEC
NSC
Novavision
Next Level
65, 66, 67, 68, 120, 106, 121, 122
Oak

Dak Sigma	
Panasonic	
Philips	
Pioneer	
Pulsar	
Quest	
Radio Shack	
RCA	
Realistic	
Recoton	
Regal	
Regency	
Samsung	
Sheritech	
Signal	
Sprucer	
Standard Components	
•	
Stargate 04, 42, 32, 40, 63, 44, 30, 52, 06, 124, 126	
Sylvania	
Telecaption	
Teleview	
Гехscan	
Foshiba	
Jniversal	
/iewstar	
/ideoway	
/idtek	
Zenith07, 23, 50, 129	

DSS Brand Code Numbers

Toshiba	90	Optimus
Hitachi/ Hughes	91, 99	Panasonic
Primestar	92	ProScan
Drake	93	RCA
Magnavox	94, 95	SONY
Uniden	94, 95	

Important Notes

- Due to changes in infra-red commands used by manufacturers, some brands have several codes. If your unit does not respond to the first code, please try the next one.
- · 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.

Tape Operation

Search System

Each time a recording is made, an invisible index mark is placed on the tape. When timer recordings are made, program index and information are also included. These index marks can be used to access or scan recordings.

Program End Search

PROGRAM INDEX SEARCH

:SEARCH KEY

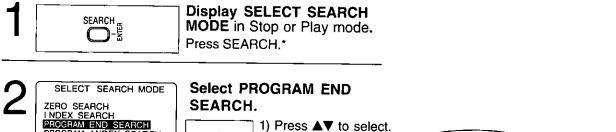
SELECT: A V KEY

:► KEY

SET

END

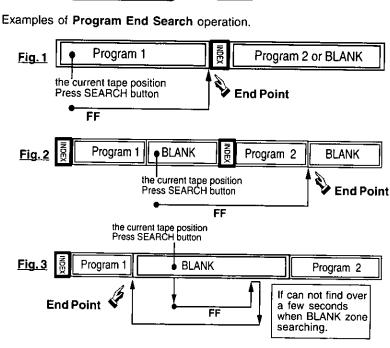
It is easy to locate the end of a recorded program allowing you to continue recording where you left off.

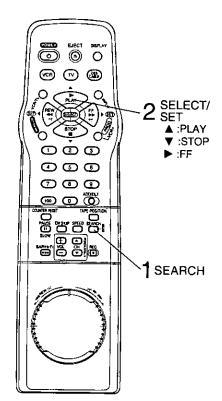


Press to

start search.

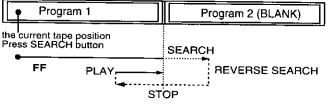
Press ▲▼ to select.





If Program End Point (🖘) is found.

The search continues slightly beyond the end point, then rewinds and plays the last few seconds of the program and finally stop.



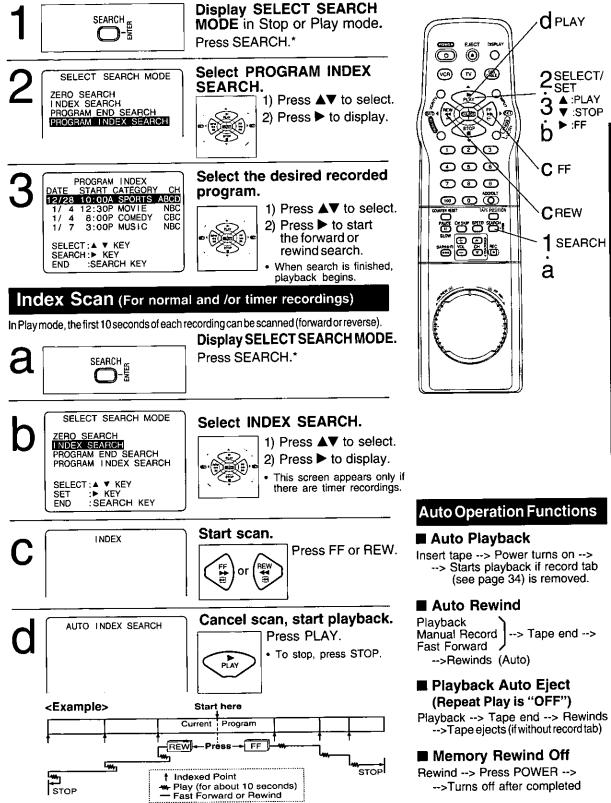
- If Program End Search is started very close to an index mark, one program may be skipped over.
- To cancel Program End Search. press PLAY or STOP.

Notes

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

Program Index Search (For timer recordings only)

Choose a timer recorded program from a Program Index List. When the tape is ejected or normal recording is started, all program index data is deleted.



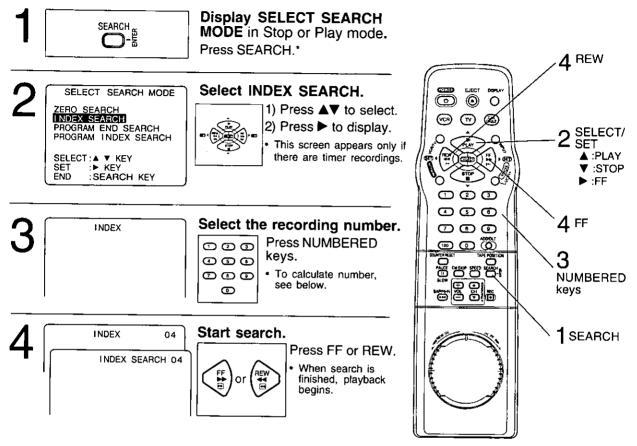
21

Tape Operation

Tape Operation (continued)

Direct Access (For normal and /or timer recordings)

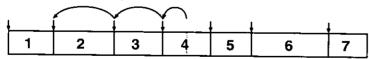
Go directly to desired recording.



To Calculate Index Number

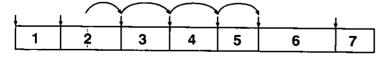
Example 1:

If you are watching recording 4 and you want to watch recording 2, enter 3 in step "3" and press REW.



Example 2:

If you are watching recording 2 and you want to watch recording 6, enter 4 in step "3" and press FF.



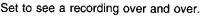
NOTE: I indicates start points of each recording.

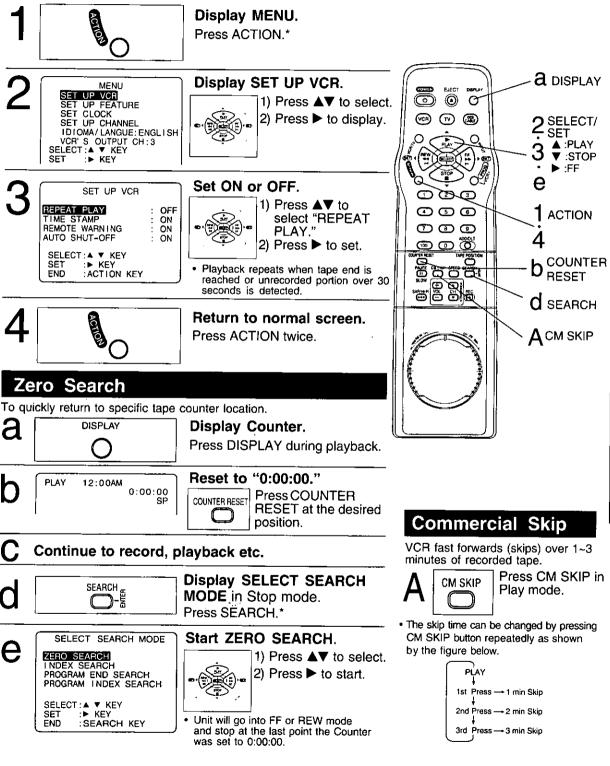


- Make each entry within 10 seconds, or the Index Search mode will be canceled.
- If Direct Access or Index Scan is started very close to an index mark, that index mark may not be counted in the search.

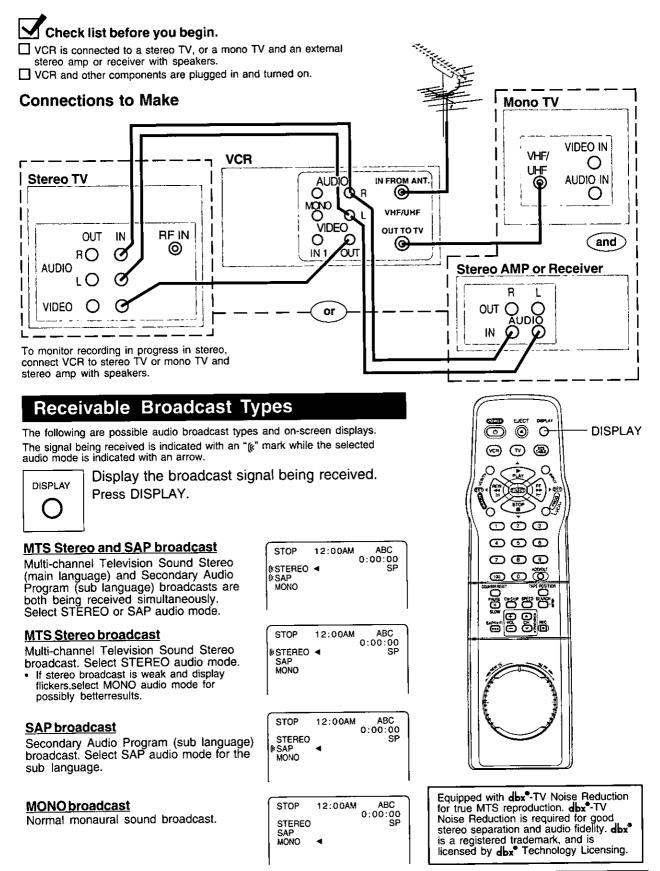
*Important: If the remote control POWER, ACTION, PROG/VCR+, CH▲/▼, NUMBERED keys, INPUT, SEARCH or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

Repeat Play



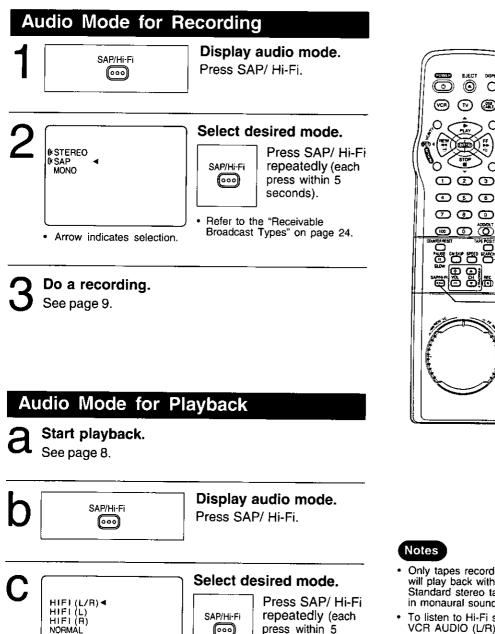


MTS Broadcast/VHS Hi-Fi Stereo System



When set to proper audio mode VCR can:

- 1) record/playback MTS stereo broadcasts (main language) in Hi-Fi stereo.
- 2) record/playback mono (main language) or SAP (sub language) broadcasts.
- playback non Hi-Fi tapes in monaural.
- · The selected broadcast sound is always recorded on left and right Hi-Fi track as well as the normal monaural track. This means tapes can be played back on Hi-Fi and non-Hi-Fi VCRs.



Arrow indicates selection.

NORMÁL

Select "HIFI(L/R)" or "HIFI(L)" or "HIFI(R)" to listen to stereo recordings in stereo sound. Select "NORMAL" for monaural sound.

seconds).

Notes

Only tapes recorded in Hi-Fi stereo will play back with true stereo sound. Standard stereo tapes will playback in monaural sound.

EJECT DISPLA \odot 0

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- · 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 24.)
- · If tracking is adjusted during playback, Hi-Fi audio may revert to normal audio.
- · Hi-Fi and normal audio playback volume level may differ.

SAP/

1 Hi-Fi

2 b

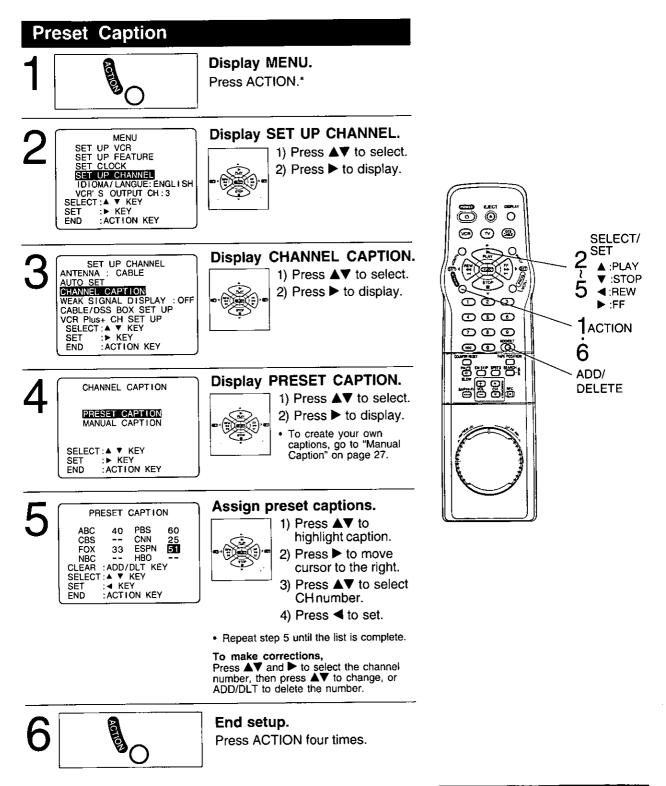
ċ

Special VCR Features

Channel Caption

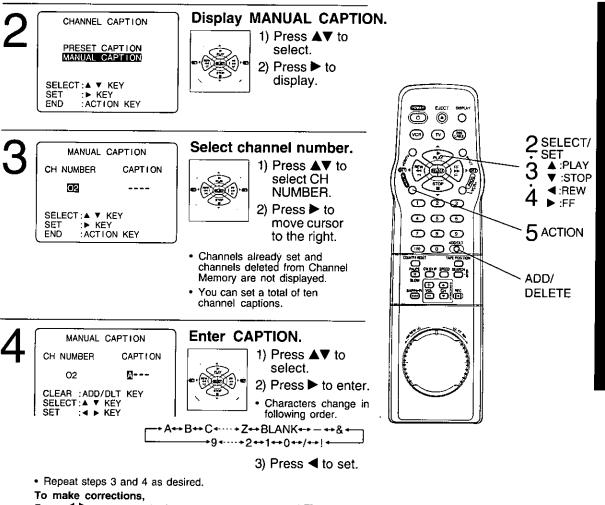
When set, station name, e.g. ABC, CBS, and channel number appear on-screen. Set up to 24 preset captions, and/or 10 manually created captions.

You need a list of stations and the channel numbers you receive them on.



Manual Caption

Do "Preset Caption" steps 1~3 on page 26.



Press $\blacktriangleleft \triangleright$ to move to the incorrect entry, then press $\blacktriangle \lor$ to make correction. Or, press ADD/DLT to clear the caption.

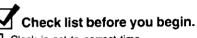


End input. Press ACTION four times. Special VCR Features

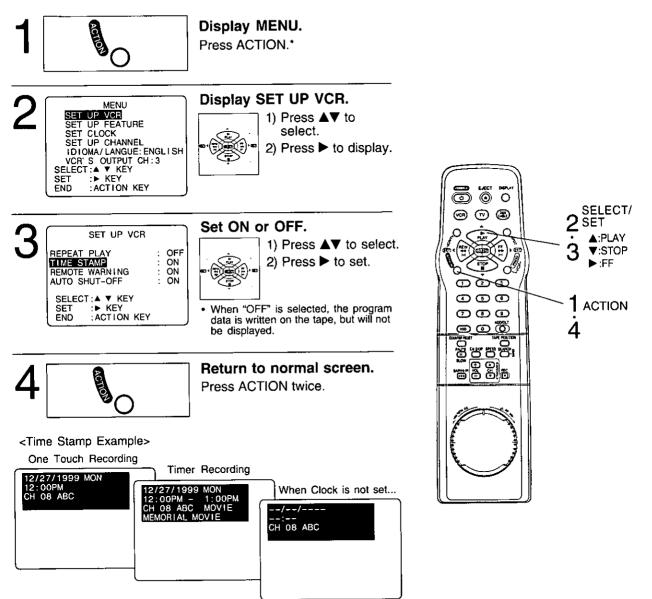
Special VCR Features (continued)

Time Stamp Feature

The VCR writes program data (see example below) about the first 10 seconds of every recording. The information is then displayed the first 10 seconds of playback. To change the data, see "Changing Time Stamp Data" on page 29.



Clock is set to correct time. Record tab in place. (See page 34.)

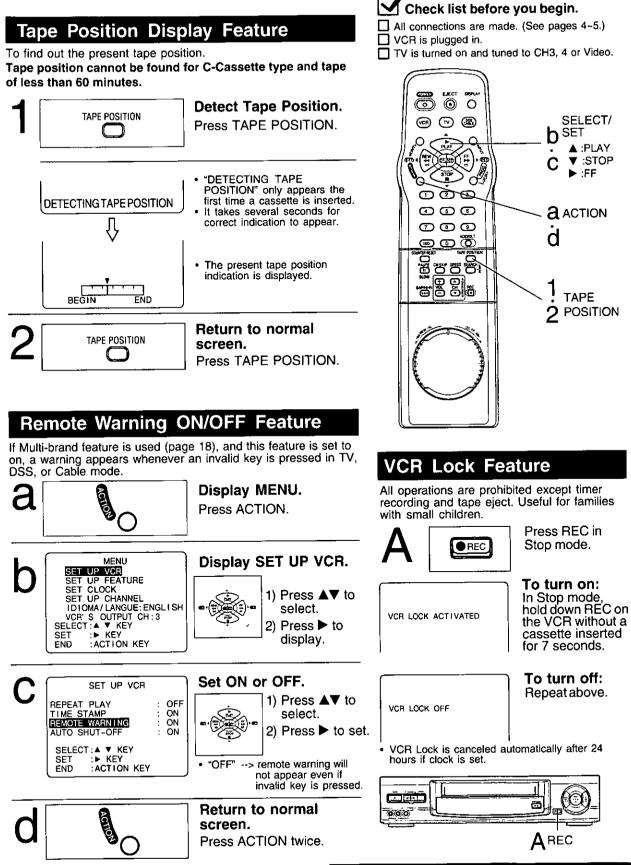


*Important: If the remote control POWER, ACTION, PROG/VCR+, CH▲/▼, NUMBERED keys, INPUT, SEARCH or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.

Changing Time Stamp Data You may change the Date, Time, Channel, Category, and Notes. PLAY Display Time Stamp Data. PLAY 1) Insert cassette with record tab. 2) Press PLAY. Display TIME STAMP EDIT. 7/1999 MON 00PM -08 ABC DPM - 1:00PM 3 ABC MOVIE 3 AL MOVIE Press PROG/VCR+ while the data is displayed in Playback mode. PLAY EJECT O 0 (1) (2) Change Time Stamp Data. TIME STAMP EDIT 12/27/1999 MON Ω DATE - 1 <u>nír</u> Press ▲▼ to 3 SET SELECT/ 12:00PM -1:00PM TIME CH : 08 ABC CATEGORY : MOVIE NOTES: MEMORIAL MOVIE---select. STOP I ▲:PLAY Press ► to enter C) 00 ▼:STOP and continue. SELECT :▲ ▼ KEY SET :◀ ► KEY REW 00 Characters in NOTES will change PROG KEY ÊND ►:FF 0 0 0 in the following order. ▶A++>B++C+---+>Z++>BLANK++--++&+-PROG/ 8<u>888</u> -+9----+2++1++0++/++!+ VCR+ Δ 3) Repeat 1) and 2) as needed. To make corrections, Press < to move to the incorrect entry, then press $\blacktriangle \nabla$ to make the correction. Write the new data. NOW WRITING TIME STAMP Press PROG/VCR+. When data is written, VCR returns to Stop mode.

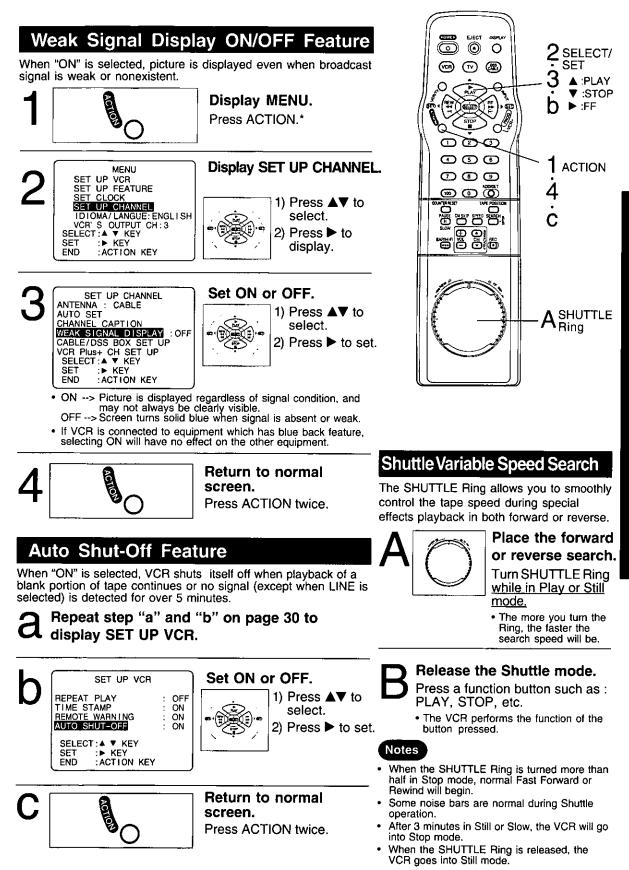
Special VCR Features

Special VCR Features



For assistance, call 1-800-211-PANA(7262).

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



Reset Language, Channels, Clock, VCR's

()	MENU
SET	UP VCR
SET	UP FEATURE
SET	CLOCK
	UP CHANNEL
	OMA/LANGUE: ENGLISH
	'S OUTPUT CH:3
	T:▲ ▼ KEY
SET	: KEY
END	ACTION KEY



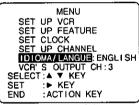
Display MENU. Press ACTION.*



 1) Press ▲▼ to highlight language item.

MENU
SET UP VCR
SET UP FEATURE
SET CLOCK
SET UP CHANNEL
IDIOMA/LANGUE: ENGLISH
VCR'S OUTPUT CH:3
SELECT: KEY
SET : KEY
END : ACTION KEY

2) Press ► repeatedly.



For English



For Spanish

MENU
REGLAGE MAGNETOSCOPE
REGLAGE MAGNETO SUPPLEM
REGLAGE HORLOGE
REGLAGE CANAL
LANGUAGE/ IDIOMA : FRANÇAIS
CA SORTIE:3
SEL. :▲ ▼
REGLER : -
FIN : ACTION

For French

Channels

 Press ▲▼ to select SET UP CHANNEL.

2) Press ►.

	T UP CHANNEL
ANTENN	A : CABLE
AUTO SI	ET
	_ CAPTION
WEAK S	GNAL DISPLAY : OFF
	DSS BOX SET UP
	S+ CH SET UP
	[:▲ ▼ KEY
	:▶ KEY
END	ACTION KEY

- Press ▲▼ to select "ANTENNA," then press ▶ to set your antenna system (TV or CABLE).
- Press ▲▼ to select "AUTO SET," then press ►.
- If you use a cable box, set it to the PBS channel in your time zone.

CHANNEL/CLOCK AUTO SET

CONNECT ANTENNA CABLE AND IF YOU USE A CABLE BOX, TUNE IT TO YOUR LOCAL PBS CH THEN...

PLEASE PUSH CH UP KEY

(This screen appears only when auto clock is set.)

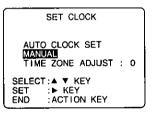
- 5) Press CH ▲.
- After Channel Auto Set is finished, Ctock Auto Set will be performed.

Clock

1) Press ▲▼ to select SET CLOCK.

MENU
SET UP VCR
SET UP FEATURE
SET CLOCK
SET UP CHANNEL
IDIOMA/LANGUE: ENGLISH
VCR'S OUTPUT CH:3
SELECT: A ¥ KEY
SET : KEY
END : ACTION KEY

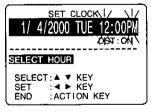
2) Press ►.



("TIME ZONE ADJUST" appears only when clock is set automatically.)

3) Press ▲▼ to select MANUAL and press ►.

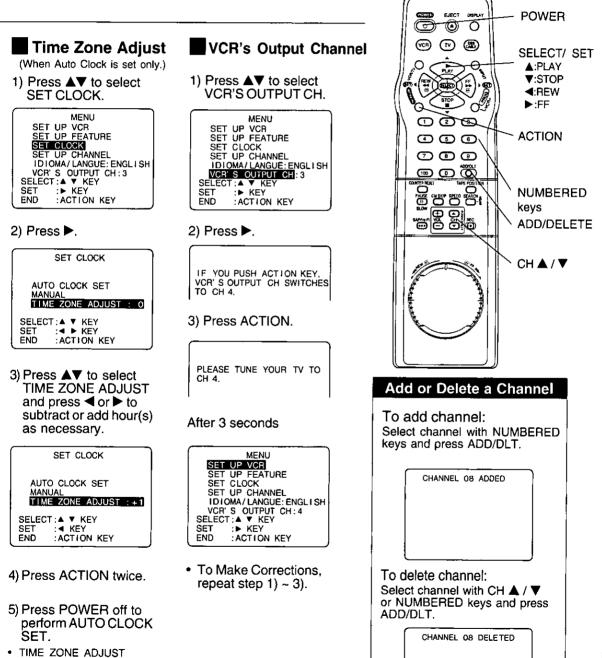
• For Auto Clock Set, select "AUTO CLOCK SET," then press CH ▲.



- 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.

Output Channel

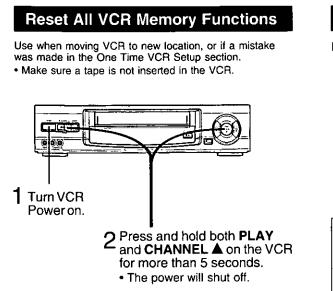
*Important: If the remote control POWER, ACTION, PROG/VCR+, CH▲/▼, NUMBERED keys, INPUT, SEARCH or ADD/DLT button does not work when pressed, press the VCR button on the remote and try the button again.



 TIME ZONE ADJUST returns to "0" if clock is set manually. 's Output Channe

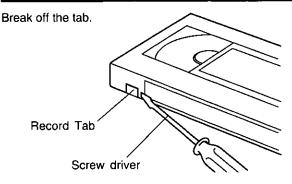
Language, Channels, Clock

VCR & Cassette Information



3 Do "One Time VCR Setup" steps on page 6.

Prevent Accidental Tape Erasure





DST (Daylight Saving Time)

VCR auto adjusts clock for DST. (Page 7.)

Spring (First Sunday in April)

DST:ON --> sets clock ahead one hour.

Autumn (Last Sunday in October)

DST:ON --> Turns 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.

Record/Playback Time

Only use tapes with the WHS mark in this unit.

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

Head Cleaning

Playing older or damaged tapes may eventually cause video heads to become clogged.

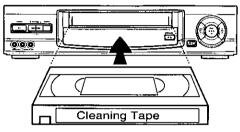
Video Head Clog Sensor

During playback this screen appears if clogging is detected. To remove screen, press PLAY on the remote or VCR.

VIDEO HEADS MAY NEED CLEANING PLEASE INSERT HEAD CLEANING CASSETTE OR REFER TO MANUAL

END: PLAY KEY

 Use "dry" type head cleaning cassette only. (Part No. NV-TCL30PT is recommended.)



- Follow cleaning tape instructions carefully. Excessive use of tape can shorten head life.
- If head clog symptoms persist, contact your nearest Factory Service Center or authorized Service Center. (See page 38.)

Built-in Head Cleaner

A clean video head helps produce a clear picture.

So, we have equipped your VCR with a builtin, non-chemical head cleaning system that helps prevent clogging of the video heads. Cleaning is performed each time you load or unload a video cassette.

 This feature is preventative only, If your video heads are seriously clogged, consider the use of a chemical non-abrasive head cleaning kit or take your VCR to a Service Center.

Cleaning the VCR

Use a soft cloth or dusting attachment of your vacuum cleaner to dust your VCR. Remove dust from the ventilation holes on the back sides and bottom of the cabinet.

Plastic surfaces are easily scratched and can be marred by alcohol and various solvents. Avoid excessive use of oil-based furniture polishes since the materials used in the cabinet will accumulate more dust. We recommend using a nonabrasive, antistatic cleaner and polisher.

Specifications

Power Source:	120 V AC, 60 Hz
Power Consumption:	Power On
i ener eeneunphen.	Approx. 23 watts
	Power Off
	Approx. 3.3 watts
Video Signal:	EIA Standard NTSC color
Video Recording System:	4 rotary heads helical
	scanning system
Audio Track:	1 track (Normal)
	2 channel (Hi-Fi Audio Sound)
Tuner:	. ,
Broadcast Channels:	VHF 2~13, UHF 14~69
CABLE Channels:	Midband A through I (14~22)
	Superband J through W (23~36)
	Hyperband AA~EEE (37~64)
	Lowband A-5~A-1 (95~99)
	Special CABLE channel 5 A
	(01) Ultraband 65, 04, 100, 125
Operating Temperature	Ultraband 65~94, 100~125
	: 5 °C~40 °C (41 °F~104 °F)
Operating Humidity:	10 %~75 %
Weight:	3.4 kg (7.4 lbs.)
Dimensions:	430 (W) x 98 (H) x 250 (D) mm
	16-15/16" (W) x 3-7/8" (H) x
	9-3/4" (D)

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

Features for a Quality Picture

Digital Auto Picture

Automatically controls the video output signal for less noise depending on the tape condition.

Digital Auto Tracking

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) ▲ / ▼ buttons on the remote control or on the VCR until the picture clears up. To return to Auto Tracking, press POWER off, then

on again a few seconds later.





V-Lock Control (to reduce picture jitter) In Still mode, CH (TRACKING) ▲ / ▼ buttons or

In Still mode, CH (TRACKING) \blacktriangle / \blacktriangledown buttons operate as a V-Lock control.

On-Screen Displays (OSD)

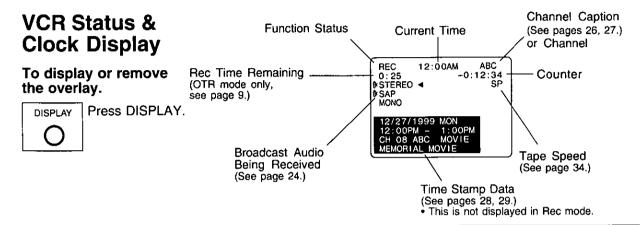
Function & Channel Display



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 26, 27.)

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 Weak Signal Display Feature (page 31) set to OFF, the TV screen will turn solid blue.



Warning and Instruction Displays

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

OSD	Caution	Pg	OSD	Caution	Pg
NO CH FOUND PLEASE CHECK ANTENNA CABLE CONNECTION THEN PUSH VCR CH UP KEY AGAIN	If no active channels are found for CHANNEL MEMORY	6	TO CANCEL TIMER REC PUSH POWER THEN STOP KEY	If you press POWER or STOP during a Timer Recording (visible in VCR mode only)	13
PLEASE SET CLOCK BEFORE PROGRAMMING	If you attempt to set or review a Timer Recording and the Clock is not set	12	VIDEO HEADS MAY NEED CLEANING PLEASE INSERT HEAD CLEANING CASSETTE OR REFER TO MANUAL END: PLAY KEY	If head cleaning becomes necessary while playing back a tape	35
TURN VCR OFF FOR TIMER RECORDING	After a Timer Program has been set	13	VCR LOCK ACTIVATED	If you press a function button other than STOP/ EJECT or POWER while the VCR is in VCR Lock mode	30
CHECK CASSETTE RECORD TAB	If you press REC on the remote control or VCR, and a cassette is inserted with no record tab	34	REMOTE CONTROL IS SET TO CABLE/DSS MODE USE VCR : VCR KEY USE TV : TV KEY	If you press any invalid keys on the remote while in CABLE/DSS mode	18 19 30
NO CASSETTE PLEASE INSERT A CASSETTE	If you press PLAY, FF, REW, or REC on the remote control or VCR without a cassette inserted	8 9	REMOTE CONTROL IS SET TO TV MODE USE VCR : VCR KEY USE CABLE/DSS : CABLE/DSS	If you press any invalid keys on the remote while in TV mode	18 19 30

Before Requesting Service

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

51 5 ,	
Power	Correction
No power	 Completely insert Power Plug into an AC outlet. Set POWER button to on.
	Make sure power source is active.
Recording & Playback	Correction
TV program cannot be recorded	 Check connections between VCR, external antenna, and TV. Check hook up selection. (P.4~5) Make sure your antenna system (CABLE or TV) is correctly set. (Channels [P.32]) Make sure cassette record tab is intact. (P.34)
Timer recording cannot be performed	 Check clock is set to current time and date. Make sure Cable/DSS box (if used) is left on and tuned to channel to be recorded. Set recording start/stop times correctly. (P.12) Make sure POWER button is set to off. (P.12, 13) 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.
There is no playback picture, or the playback picture is noisy or contains streaks	 Select channel 3 or 4 on TV to match VCR output channel (3 or 4) (P.6) or select LINE. Set VCR/TV selector to "VCR." Adjust TRACKING control in either direction. (P.35) Try Head Cleaning. (P.35)
Special effects playback, picture may contain some vertical jitter when using a TV with an Automatic Vertical Hold Control	Set TV's Vertical Hold Control to MANUAL, then adjust.
VCR cannot be controlled	 Make sure VCR LOCK is set to off. (P.30) Make sure remote is in proper mode. (P.18) Make sure unit is not in a Timer Record operation.
Remote Control	Correction
VCR cannot be remote controlled	 Aim Remote Control directly at remote sensor on VCR. (P.42) Avoid any object blocking signal path. Check remote batteries. (P.4) Make sure VCR LOCK is set to off. (P.30) Exposing VCR remote sensor to direct fluorescent or outdoor light may cause signal interference.
ACTION and PROG/VCR+ buttons cannot be used	 Press VCR button for VCR mode. (P.18) Check remote Batteries. (P.4)
Miscellaneous	Correction
Programs cannot be viewed on TV	 Set VCR/TV selector to "TV." (P.9) Make sure proper signal source is selected.
Video cassette cannot be inserted	 Insert the cassette with window side up; record tab facing you. Insure no other tape is inside unit.
Video cassette cannot be removed	Completely insert Power Plug into AC outlet.
Video cassette ejects when a recording is started or the power is turned off for timer recording	Make sure cassette record tab is intact. (P.34)
In Stop mode, the motor (CYLINDER) continues to rotate	 To enable Quick play mechanism, the cylinder will rotate for about 5 minutes. This reduces response time from Stop to Play mode and from Play to Rewind Search mode.
The top of the playback picture waves back and forth excessively	 Because VCR playback signal is not as stable as off-the-air TV signal, top of TV screen may be bent or unstable during playback. Slowly turn TV horizontal Hold control to correct. If your TV has no horizontal Hold control or adjusting control is ineffective, contact your nearest TV service center.

If you cannot resolve the problem, please call the Customer Satisfaction Center for product assistance at 201-348-9090.

To locate an authorized servicenter, please call toll free 1-800-211-PANA (7262).

Service Center List

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:

1-800-211-PANA (7262), Monday-Friday 9am-9pm Saturday-Sunday 9am-7pm, EST.

Web Site: http://www.panasonic.com You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Accessory Purchases:

Customer Orders Only 800-332-5368 (Customer Orders Only) Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032 (6 am to 5 pm Monday - Friday; 6 am to 10:30 am Saturday; PST) (Visa, MasterCard, Discover Card, American Express, Check)

Factory Servicenters Locations

CALIFORNIA 6550 Katella Avenue Cypress, CA 90630 800 Dubuque Avenue S. San Francisco, CA 94080 20201 Sherman Way Suite 102 Canoga Park, CA 91306	GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350 ILLINOIS 9060 Golf Road Niles, IL 60714 1703 North Randall Boad	MICHIGAN 37048 Van Dyke Avenue Sterling Heights, MI 48312 MINNESOTA 7850-12th Avenue South Airport Business Center Bloomington, MN 55425 OHIO 2236 Waycross Road	TENNESSEE 3800 Ezell Road Suite 806 Nashville, TN 37203 TEXAS 13615 Welch Road Suite 101 Farmers Branch, TX 75244
3878 Ruffin Road Suite A San Diego, CA 92123 COLORADO 1640 South Abilene Street Suite D	Elgin, IL 60123 (Pick-up / Drop-off only) MARYLAND 62 Mountain Road Glen Burnie, MD 21061 MASSACHUSETTS	Civic Center Plaza Forest Park, OH 45240 PENNSYLVANIA 2221 Cabot Blvd. West Suite B Langhorne, PA 19047	WASHINGTON 20425-84th Avenue South Kent, WA 98032
Aurora, CO 80012 FLORIDA 3700 North 29th Avenue Suite 102 Hollywood, FL 33020	60 Glacier Drive Suite G Westwood, MA 02090		HAWAII 99-859 Iwaiwa Street Aiea, Hawaii 96701 Phone (808)488- 1996 Fax (808)486-4369

Service in Puerto Rico

Matsushita Electric of Puerto rico, Inc. Panasonic Sales Company/ Factory Servicenter:

Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985 Phone (787)750-4300 Fax (787)768-2910

As of October '99

Warranty

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America, One Panasonic Way Secaucus, New Jersey 07094 Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. AVE. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park Carolina, Puerto Rico 00985

PANASONIC Video Products Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the Warrantor") will repair this product with new or refurbished parts, free of charge, in the USA or Puerto Rico, in the event of a defect in materials or workmanship as follows (all time periods commence from the date of the original purchase):

PRODUCT	<u>PARTS</u>	LABOR
CAMCORDER	ONE (1) YEAR, EXCEPT CCD IMAGE SENSOR CCD IMAGE SENSOR - SIX (6) MONTHS	NINETY (90) DAYS NINETY (90) DAYS
VCR	ONE (1) YEAR	NINETY (90) DAYS
A/V MIXER	ONE (1) YEAR	NINETY (90) DAYS
MONITOR-VCR	ONE (1) YEAR, EXCEPT CRT CRT - TWO (2) YEARS	NINETY (90) DAYS CRT - NINETY (90) DAYS CUSTOMER PAYS ALL LABOR CHARGES AFTER 90 DAYS

Monitor-VCR In-home or carry-in Service: 22" (diagonal) CRT / LCD and Larger Monitor-VCR Carry-in Service: 21" (diagonal) CRT / LCD and smaller

Batteries (if included) - New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days. Non-rechargeable batteries are not warranted.

Tape_(if included) - New video cassette tape in exchange for a defective video cassette tape for five (5) days.

In-home, carry-in or mail-in service, as applicable, in the USA can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Service Directory. Or call toll free 1-800-211-PANA (7262), to locate an authorized PASC Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover normal maintenance, including, but not limited to, video and audio head cleaning. The warranty does not cover damage which occurs in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

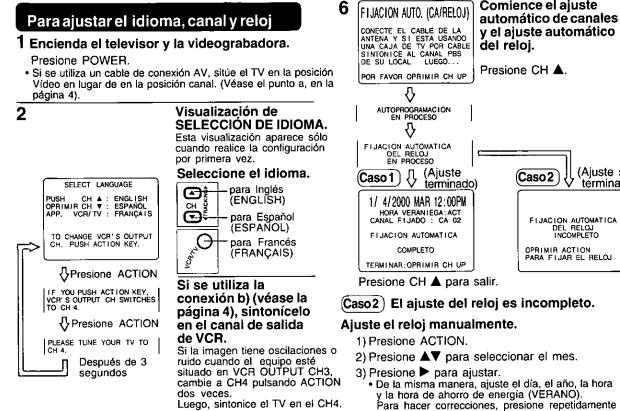
THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES) RESULTING FROM THE USE OF THIS PRODUCTS. OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WAR-RANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

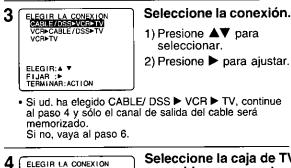
If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the Panasonic Consumer Electronics Company address above.

SERVICE CALLS WHICH DO NOT INVOLVE DEFECTIVE MATERIALS OR WORKMANSHIP AS DETERMINED BY THE WARRANTOR, IN ITS SOLE DISCRETION, ARE NOT COVERED. COSTS OF SUCH SERVICE CALLS ARE THE RESPONSIBILITY OF THE PURCHASER. warvid 10/20/97

Spanish Quick Use Guide/Guía para rápida consulta



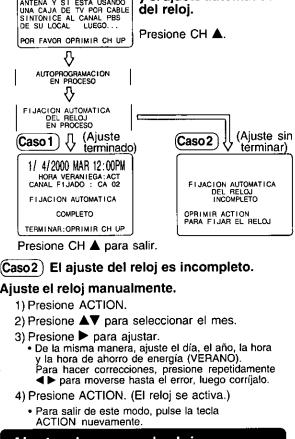
- Sintonice siempre el TV a este canal para monitorizar la video grabadora.
- Ši utilizó la conexión del conector audio/video, sintonice el TV a su entrada de video.
- · Si se ajusta el idioma equivocado, realice los pasos de "Reajuste de todas las funciones de memoria de la video grabadora" en la página 34.



ELEGIR LA CONEXION CABLE/DSSEVCRETV SALIDA DEL CABLE/OSS ELEGIR: A 🔻 FIJAR : < > TERMINAR: ACTION

Seleccione la caja de TV por cable o su receptor el canal de salida.

- 1) Presione ▲▼ para seleccionar. Presione > para fijar.
- Si es necesario, consulte su manual de la caja de TV por cable.
- Si esta usando los terminales de audio/ video para su conexión para la caja de TV por cable, ajuste "SALIDA DE VIDEO".
- 5 Encienda la caja de TV por cable y fije la caja de TV por cable al canal PBS de su zona.



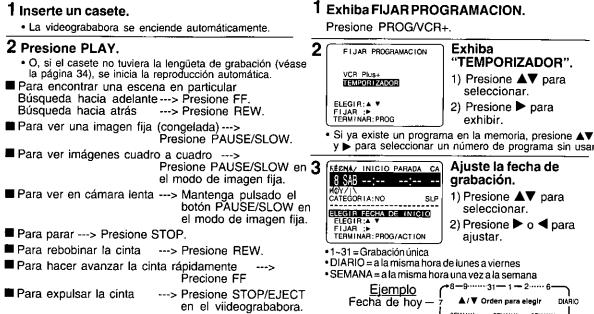
Ajustar de nuevo el reloj

Presione ACTION para exhiba el menú.

2	MENU PREPARAR VCR FIJACION DE FUNCIONES FIJAR CANAL LANGUE/LANGUAGE:ESPAÑOL SALIDA DE VCR CANAL:3 ELEGIR:A ¥ FIJAR:> TERMINAR:ACTION	Presione ▲▼ para seleccionar "FIJAR RELOJ" y luego presione ►.
3	FIJAR RELOJ FIJACION AUTOMATICA MARUAT AJUSTE ZONA HORA : 0 ELEGIR:A ▼ FIJAR :> TERMINAR:ACTION	Presione ▲▼ para seleccionar "MANUAL" y tuego presione ►.
4	FIJAR RELQUI 1/ 1/ 4/2000 MAR 12:00PM VERANCIACT/IN ELEGIRIHORA ELEGIRIA V FIJAR : 4 > TERMINAR:ACTION	Presione ▲▼ y ◀▶ para seleccionar y ajustar la hora y la fecha.

D Presione ACTION dos veces para <u>que el reloj</u> comience a funcionar y salir desde este modo.

Operaciones básicas para la reproducción



4

5

2 3

HOY

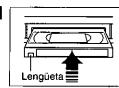
CATEGORIA: CINE NOTAS:

NOTAS: FIGISTRAENOTAS ELEGIR:▲ ▼ FIJAR: ► TERMINAR: PROG/ACTION

-- -- :-- -- :--

CANCELAR: ADD/DLT

Operaciones básicas para la grabación



Inserte un casete.

 La videogrababora se enciende automáticamente.

2 Seleccione el canal.

Presione CH A / V o las teclas numéricas correspondiente.

3 Seleccione la velocidad de grabación.

- Presione SPEED.
- SP = Reproducción estándar,
- LP = Larga duración,
- SLP = Superlarga duración.

4 Comience la grabación.

Presione REC.

- Presione PAUSE/SLOW para hacer una pausa en la grabación en progreso.
- Para parar ---> Presione STOP.

Grabación de un toque

Presione REC repetidamente para ajustar la hora de grabación (30 min - 4 horas).

 La videograbadora termina la grabación a una hora programada.

> Grabación normal — 0:30 — 1:00 4:00-3:00-2:00-1:30-

Programación fácil para la grabación con temporizador

y > para seleccionar un número de programa sin usar.

SEMANAL ____ SEMANAL ____ SEMANAL

(LUN) (SAB) (DOM) Repita el paso 3 para ajustar: hora de comienzo, hora de parada, canal (o LINEA para una fuente exterior), categoría*, velocidad (SP, LP, SLP). * Categoría

NO, DEPORTE, CINE, COMEDIA, MUSICA, DRAMA

FECHA INICIO PARADA CA 8 SAB 10:00P 12:00P 02 Haga las anotaciones necesarias. Si no fueran necesarias. CATEGORIA: CINE ŠP FIJACION ES COMPLETO PARA REGISTRAR NOTAS FIJAR : 4 vaya al paso 5. 1) Presione 🔺 para hacerlas. FECHA INICIO PARADA 8 SAB 10:00P 12:00P

02

ŠΡ

ABC

--___

- 2) Presione **AV** para seleccionar.
- Presione
 para ajustar.
- 4) Presione PROG/VCR+ (o ACTION) para salir.

Termine el programa. P FE INIC PARADA CA VEL 1 8 10:00P12:00P 02 SP

- Presione PROG/VCR+ (o ACTION).
- ELEGIR 1-8: A T ENTRAR: PROG/ACTION Para introducir más programas, presione AV y para seleccionar y ajustar el número de programa en blanco. Luego repita los pasos 3 y 4.

2) Presione PROG/VCR+ (o ACTION) para salir.

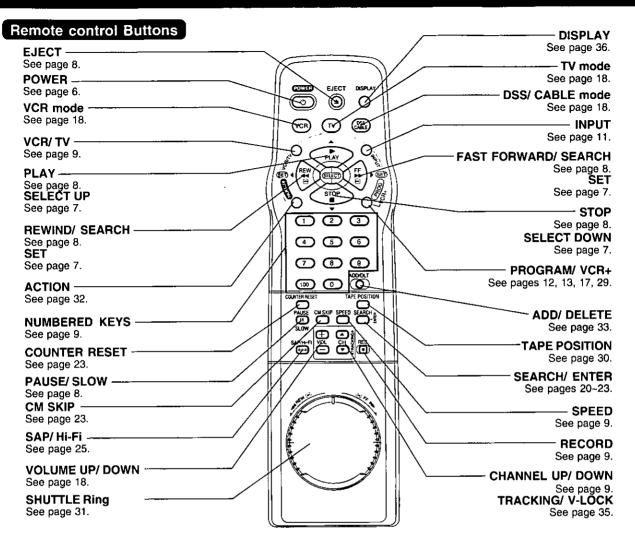


Grabación con temporizador. Presione POWER para apagar.

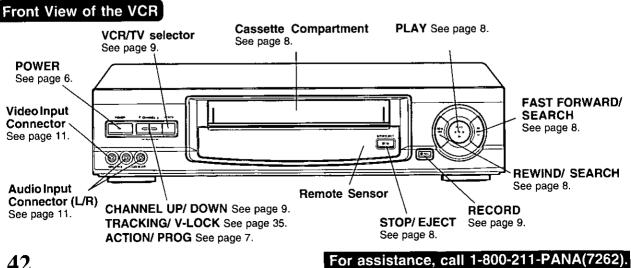
Pantalla multifuncinal

Si la fuente de la grabación es una caja de TV por cable, asegúrese de que la caja de TV por cable esté encendida y esté sintonizada al canal que desea grabar.

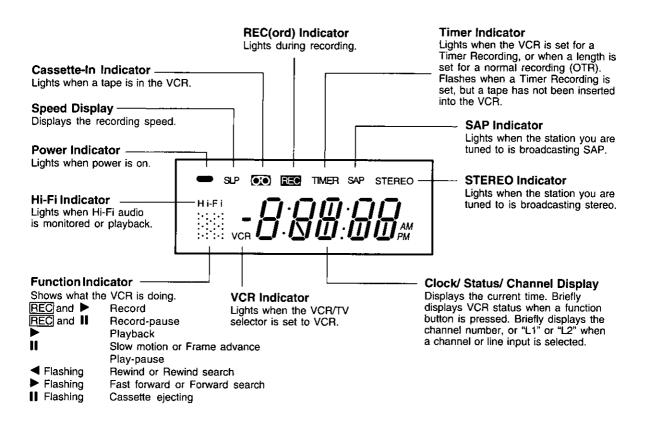
Location of Controls



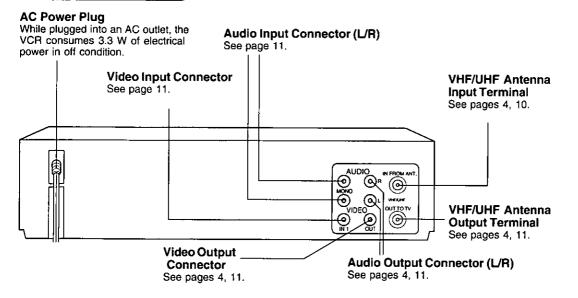
EJECT button: When EJECT is pressed, the tape is ejected from Cassette Compartment. If EJECT is pressed during recording, the VCR will not respond to the command.



Multi Function Display



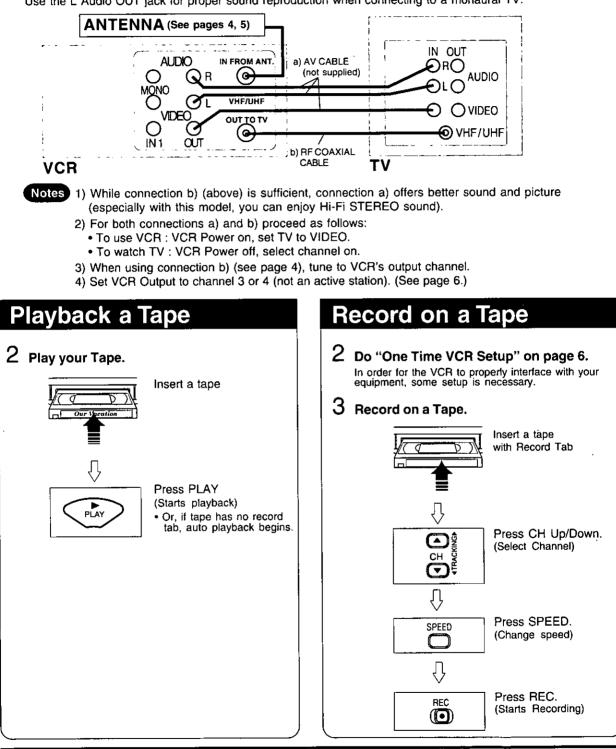
Rear View of the VCR



Quick Use Guide

1 Make all connections (page 4).

Connect VCR and TV with AV Cable (not supplied) or RF Coaxial Cable (supplied) as shown below. To use your TV as a VCR monitor, set the VIDEO/TV selector on the TV (Monitor/Receiver) to "VIDEO." Use the L Audio OUT jack for proper sound reproduction when connecting to a monaural TV.



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