



Omnivieion MIS

Video Cassette Recorder Operating Instructions (Basic Operations)

For advanced operations, see the separate "Advanced Operations" instruction book.

Models No. PV-V4523S



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As an ENERGY STAR [®] Partner, Matsushita Electric Corporation of America has determined that this product or product model meets the ENERGY STAR [®] guidelines for energy efficiency.



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

Spanish Quick Use Guide is included.

(Guía para rápida consulta en español está incluida.)

LSQT0631A

For assistance, please call : 1-800-211-PANA(7262) or send e-mail to : consumerproducts@panasonic.com

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 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 1

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 condition that plus are plus and plus are plus and plus are plus and plus are plus arounding 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.

3 POWER CORD

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 outlists and extension cords are fire hazards and should be avoided.

DO NOT BLOCK VENTILATION HOLES 4

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.b. Avoid built-in installation, such as a book case or rack, unless proper ventilation is provided.

AVOID EXTREMELY HOT LOCATIONS OR SUDDEN TEMPERATURE CHANGES

Do not place the unit over or near any kind of heater or radiator, 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.

TO AVOID PERSONAL INJURY

Do not place unsecured equipment on a sloping surface.

- Do not place this unit on any support 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

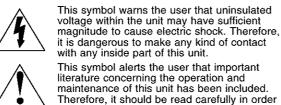
Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert. Avertissement: Afin de prévenir tout risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à une humidité excessive.

3

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.





to avoid any problems.

OUTDOOR ANTENNA INSTALLATION SAFE ANTENNA AND CABLE CONNECTION 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 National Electrical Code, ANSI/NFPA 70 (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the mast and supporting

ELECTRIC SERVICE - OROUNOINS CONDUC (NEC SECTION 114.2) POWER SERVICE CRO ELECTRODE SYSTEM

DROLM

-ANCENA

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

arounding electrode. **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. 1 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. 2 3
- DURING AN ELECTRICAL STORM 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.
- 4 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 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

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 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 manufacture's service literature to ensure that the video unit is in safe operating condition

Before Using

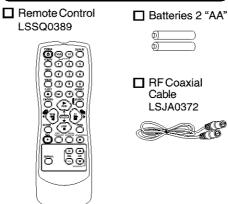
Congratulations

on your new purchase! With proper use, this dependable product will provide years of enjoyment. Please fill in the information below. (Serial number is on tag on back of VCR.)

- Date of Purchase
- Dealer Purchased From _____
- Dealer Phone No. _
- PV-V4523S • Model No.

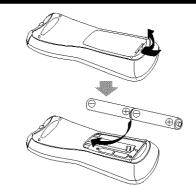
• Serial No. _

Accessories



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

Loading the Batteries



Battery replacement caution

- Do not mix old and new batteries.
- Do not mix alkaline with manganese batteries.

Prevent Accidental Tape Erasure

Break off the tab to To record again prevent recording.

Cover the hole with cellophane tape

Record/Playback Time

Record Tab

Screw driver

Only use tapes with the WIS mark in this unit.

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

(Super Long Play)

Head Cleaning

Old or damaged tapes may clog heads.

Video Head Clog Sensor Screen-right appears during play if clogging is detected.

To remove screen, press PLAY. Use "dry" type head



Sateguards

Accessories

Head Cleaning

Loading

Batteries

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Erasure

Specifications

Record/Playback 1ime

- cleaning cassette only. (Part No. NV-TCL30PT is recommended.)
- Follow cleaning tape instructions carefully. Excessive use of tape can shorten head life.

Cleaning the VCR

Use soft, dry cloth or dusting attachment of a vacuum to remove dust from all cabinet vent holes. You may moisten cloth with nonabrasive, antistatic cleaner/ polisher. Caution:

Alcohol and various solvents could damage finish.

Specifications

Power Source:	120 V AC, 60 Hz
Power Consumption	: <u>Power On</u>
•	Approx. 23 W
	Power Off
	Approx. 3.0 W
Video Signal:	EIA Standard NTSC color
Video Recording	4 rotary heads helical
System:	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 ~ I (14 ~ 22)
	Superband J ~ W (23 ~ 36)
	Hyperband AA ~ EEE
	(37 ~ 64)
	Lowband A-5 ~ A-1 (95 ~ 99)
	Special CABLE channel 5A
	(01)
A 11	Ultraband 65 ~ 94, 100 ~ 125
Operating	
Temperature:	5 °C ~ 40 °C (41 °F ~ 104 °F)
Operating Humidity	: 10 % ~ 75 %
Weight:	2.5 kg (5.5 lbs).
Dimensions:	360 (W) x 93 (H) x 242 (D) mm
	14-3/16" (W) x 3-11/16" (H) x
	9-9/16" (D) inch
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) ▲/▼ 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) ▲/▼ operate as a V-Lock control.

2

Connecting

For ANT./Cable → VCR → TV

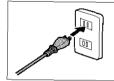
- (1) Connect cable from Antenna/Cable to VCR's IN FROM ANT. jack.
- 2 Connect VCR's OUT TO TV jack to TV's ANT. IN jack with included RF Cable accessory.

For DSS/Cable Box → VCR → TV

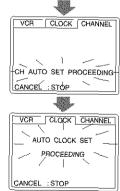
- 1) Connect your cable box's OUT jack to the VCR's IN FROM ANT. jack with an RF cable.
- 2 Connect VCR's OUT TO TV jack to TV's ANT. IN jack with included RF Cable accessory.

Initial Setup (Ready to Play)

- Turn TV on and tune to channel 3.
- 2 Plug VCR Power Cord into AC wall outlet. VCR comes on and auto channel and clock set starts.
 - · If screen below does not appear, check VCR - TV connection and, if TV is tuned to channel 3, try switching it to channel 4.
 - To change VCR's output channel. please refer to "VCR's Output Channel" in Advanced Operations book (p. 12).



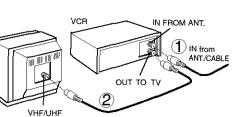
Plugging the AC Power Plug into an AC outlet

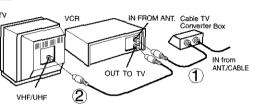


If you use a cable box, turn it on and set it to the Public Broadcasting Station (PBS) channel in your time zone. If you use a DSS receiver, it must be turned off.

Notes

- Function buttons are inoperative during Initial Setup.
- To remove a cassette during Auto Set, press EJECT on the remote or STOP twice on the VCR. In this case, settings must be made manually (See a





WARNING

ΤV

Over tightening "Nut type" RF coaxial cables may damage jacks. Finger tighten only.

3 Settings are made automatically. When setup is done, this screen appears.



If "AUTO CLOCK SET IS INCOMPLETE" appears, manually set clock. See below.

VCR CLOCK CHANNEL
AUTO CLOCK SET IS
PLEASE SET CLOCK BY PRESSING ACTION KEY

Manual Clock Set

If Auto Clock Set was incomplete.

1 Press ACTION* on remote to display CLOCK menu.



2 Press \blacktriangle \lor to select the month and \triangleright to set. In the same manner, select and set the date, year, time, and DST (Daylight Saving Time).



Insert a tape.

- Loose or peeling labels may cause tape jam.
- · VCR power comes on. "VCR" lights on Multi Function Display. If Auto VCR/TV (see p. 10 of Advanced Operations book) is set to "OFF," press VCR/TV until "VCR" lights on the Multi Function Display.

2 Press PLAY to play tape.

If tape has no rec. tab (p. 3), auto play begins.

Special Features During Play

- Forward/Reverse Scene Search
- → Press FF or REW.

Press PLAY to release. After search has begun, each additional press of FF or REW changes speed as shown below.

[SLP] : Approx. 21X ↔ Approx. 9X ÎLP1 : Approx. 9X ↔ Approx, 7X [SP] : Approx. 7X ↔ Approx. 3X

If at 21X, 9X, or 7X speed the picture is interrupted, change speed to 9X, 7X, or 3X.

Notes

· Picture interruption may occur with some TVs. · FF and REW search speed may vary depending on current tape position.

📕 Still (Freeze) Picture

- Press PAUSE/SLOW
- Press PLAY to release.
- Frame by Frame Picture
 - Press PAUSE/SLOW in Still mode. - Press PLAY to release.

Slow Motion Picture

- → Hold down PAUSE/SLOW in Still mode.
- Press PLAY to release.

Notes

- · These features work best in SP or SLP mode.
- · The sound will be muted.
- · To reduce picture noise, see "Manual Tracking Control" on p. 3.
- After VCR is in Still or Slow mode 3 minutes, it auto switches to Stop mode to protect the tape and the video heads.

3 Press STOP to stop tape.

- Press REW or FF in Stop mode to Rewind or Fast Forward tape.
- Press EJECT on remote. or STOP/EJECT on VCR to eject tape.

Auto Operation Functions

Auto Play

Insert a tape \rightarrow Power comes on \rightarrow Play starts if there is no record tab (see p. 3).

Auto Rewind

Play ➤ Tape end ➤ Rewind Fast Forward

Play Auto Eject (Repeat Play must be off)

Play → Tape end → Rewind → Tape ejects if there is no record tab

- Insert a tape with a record tab (p. 3).
 - · VCR power comes on. "VCR" lights on Multi Function Display. If Auto VCR/TV (see p. 10 of Advanced Operations book) is set to "OFF," press VCR/TV until "VCR" lights on the Multi Function Display.

2 Press CH AV or NUMBER keys

- to select the channel.
- · For "LINE" input, see p. 9 of "Advanced Operations" book.
- If recording from a channel over 100, first press 100 key then the other 2 digits.

3 Press SPEED

to select record speed (p. 3).

4 Press REC

- to start recording. · To edit, press PAUSE/SLOW to pause,
- and again to resume recording.
- 5 Press STOP to stop recording.

One Touch Recording

- (recording in progress) Press REC repeatedly to set length as follows: 30 min. → 1 hr. → 1:30 → 2:00 → 3:00 → 4:00 → exit. The VCR shuts off at the length set.
- Record one station, watch another Press VCR/TV
 - ("VCR" goes out on Multi Function Display), select channels on TV (recording continues).
- Select channels on VCR (in STOP or PAUSE mode) Press VCR/TV
 - ("VCR" lights up on Multi Function Display), select channels on VCR.

Notes

- · Watching one channel and recording another is not possible when using Cable Box or DSS Receiver.
- After 5 minutes in Pause mode, VCR stops to protect the tape and the video heads.

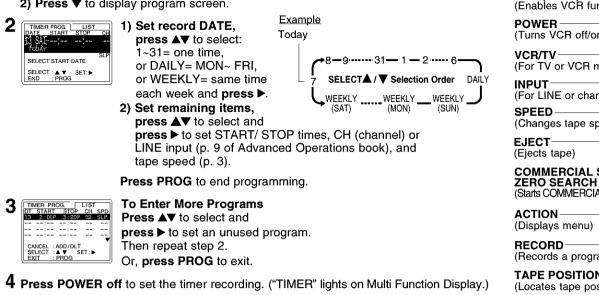
This video recorder, equipped with HQ (High Quality) system, is compatible with existing VHS equipment. Only use tapes with the MIS mark. Only tapes tested and inspected for use in 2, 4, 6, and 8 hour machines are recommended.

imer Recording

Timer Recording

1 1) Press PROG*.

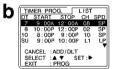
Press ▼ to display program screen.



Review, Replace, or Clear Program

(Recording is not in progress)

- a 1) Press PROG.
- Press <► to select LIST.



C To Replace program... TIMER PROG. LIST

SUN 9:00A 12:00A 0

SELECT START DATE

SELECT : ▲ ▼ SET: ► END : PROG

or To Clear program...

PROG. LIS

8:00P 9:00P 10 9:00P 10:00P L1 CANCEL :ADD/DLT SELECT :▲ ▼ SET:►

Notes

C Press PROG to end the programming.

Press ▲▼ to select desired program.

1) Press ► to display.

2) Repeat Step 2 (above) to set new

programs.

Press ADD/DLT.

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 on Multi Function Display.)

Location of Controls

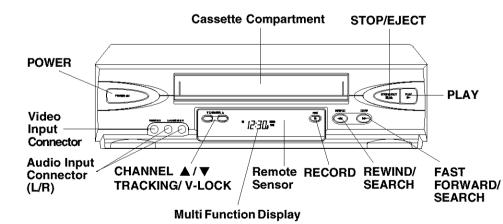
Remote Control Buttons

VCR (mode) (Enables VCR functions)		TV (mode) (Enables TV functions)
POWER (Turns VCR off/on)	POWER OF OT DISPLAY	DISPLAY (Displays VCR status)
VCR/TV	0000	NUMBER Keys
(For TV or VCR mode)		(Selects channel directly)
(For LINE or channel)		(Adds or deletes a channel)
(Changes tape speed)	Elect	SEARCH/ENTER (Set search system /Tunes TV channel)
EJECT (Ejects tape)		PLAY (Plays a tape)/ FAST FORWARD/SEARCH
COMMERCIAL SKIP/ ZERO SEARCH (Starts COMMERCIAL SKIP/ Zero Search)		(Fast forwards tape/ forward visual search) REWIND/SEARCH
ACTION (Displays menu)	ACTION STOP PROG TAPE DESET POSITION COUNTER PAUSE ESLOW	(Rewinds tape/ reverse visual search) STOP (Stops tape)
RECORD (Records a program, etc.)	0000	PLAY, STOP, REW, and FF
TAPE POSITION (Locates tape position)	SAP/Hi-Fi USL CH	function as ▲▼◀► operation keys when menus are displayed.
(Resets counter to zero)		
SAP/Hi-Fi (Selects audio mode for play or record)	$\langle \rangle$	PROGRAM (Displays Timer Program screen)
		(Displays still, frame by frame, or slow motion picture)
VOLUME +/ \ (Adjusts TV volume)		CHANNEL ▲ / ▼ TRACKING/ V-LOCK (Selects channel/ reduces picture noise during Play and Slow mode)

Remote Control

EJECT button: Press to eject tape. EJECT is not available during recording.

Front View of the VCR



- If you are using a Cable Box, VCR Timer Programming Channel (Step 2 above) must be set to the Cable Box output channel and your Cable Box must be manually set to the desired channel. The Cable Box must be left on.
- If a power interruption occurs while programming the timer, the timer program(s) may be canceled. If "TIMER PROGRAMS WERE LOST DUE TO POWER INTERRUPTION" appears on-screen, please re-enter the timer programs.

- Important notes when using DSS receiver

- · When recording programs via DSS receiver, DSS receiver must be left on.
- · When recording programs via an antenna or cable, DSS receiver must be turned off.

*Important: If a remote control button does not work when pressed, press the VCR button on the remote and try the button again.

Location of Controls

Multi Function Display

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

Lights up when the VCR is set for a Timer Recording, or when One Touch Recording (OTR) is used.

Flashes when a Timer Recording is set, but a tape has not been inserted into the VCR.

Hi-Fi Indicator



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

Lights up when Hi-Fi audio is

monitored in Playback Mode.

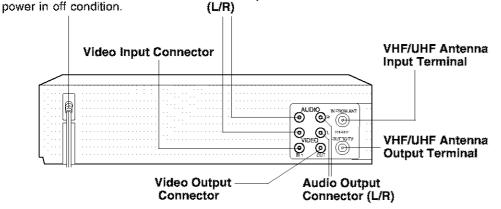
Clock/ Status/ Channel/ Speed Display

Displays the current time. Briefly displays VCR status when a function button is pressed. Briefly displays the channel number, or "L1" or "L2" when a channel or line input is selected. Briefly displays the recording speed when SPEED is pressed.

Rear View of the VCR

AC Power Plug

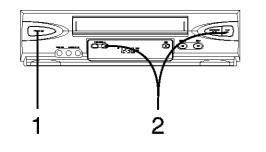
While plugged into an AC outlet, the VCR consumes 3.0 W of electrical **Audio Input Connector**



Reset All VCR Memory Functions

Use when moving VCR to new location, or if a mistake was made in the Initial Setup section (return to Factory Setting).

Make sure a tape is not inserted in the VCR.



1 Turn VCR Power on.

- Press and hold both PLAY and CHANNEL A on the VCR for more than 5 seconds.
 - The power shuts off.

Do "Initial Setup (Ready to Play)" 3 on page 4.

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.

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Spanish Quick Use Guide/ Guia para rapida consulta

CONEXIONES/CONFIGURACIÓN INICIAL (READY TO PLAY)

Realice la conexión de la antena o TV por cable antes de enchufar el cable de CA. La videograbadora iniciará automáticamente la fijación de los canales y del reloj al enchufar el cable de CA.

CONEXIONES

Para Ant/Cable -> VCR -> TV

- (1) Conecte el cable de la antena al terminal IN FROM ANT del VCR.
- 2 Conecte el terminal OUT TO TV del VCR a la entrada de la antena VHF/UHF del TV con el cable RF incluido.

Para Sistema Digital de Satelite (DSS)/ Convertidor de cable -> VCR -> TV

- (1) Conecte la salida de convertidor de cable al terminal IN FROM ANT.
- (2) Conecte el terminal OUT TO TV del VCR a la entrada de la antena VHF/UHF del TV con el cable RF incluido.

CONFIGURACIÓN INICIAL

- 1 Encienda el TV y cambie al canal 3.
- 2 Enchufe el cable de CA. La videograbadora se encenderá e iniciará las filaciones de los canales y del reloj.
 - · Si no aparece la pantalla de abajo, compruebe la conexión del VCR-TV y si el canal del TV está a 3, intennte cambiando al canal 4.
 - Para cambiar el canal de salida del VCR, consulte las instrucciones de "Canal de salida del VCR" en la página 12 de las operaciones avanzadas.

Enchufe el cable de CA.

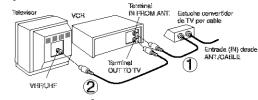
VCR CLOCK CHANNEL Cambie el idioma luego de la fijación inicial (para su avuda vea la CH AUTO SET PROCEEDING página 12 de las CANCEL :STOP operaciones avanzadas.) VCR CLOCK CHANNEL AUTO CLOCK SET PROCEEDING CANCEL STOP

Si está usando un convertidor de TV por cable y en su area hay un canal de Public Broadcast Station (PBS), ajuste su convertidor al canal PBS de su area. Si está usando un receptor DSS, este debe estar apagado.

Nota

- · Los botones de funciones no funcionan durante la configuración inicial.
- Para retirar un cassette durante el ajuste automático, presione EJECT en el control remoto o STOP dos veces en el aparato. En este caso, los ajustes de los canales y la hora se deben hacer manualmente. Para los ajustes seleccione la pantalla MENU. (Vea la p.12 de Libro de Operaciones Avanzadas).
- Dependiendo de las condiciones, el ajuste automático puede durar más de 30 mínutos. En ese caso, presione STOP para detener el 3 ajuste automático y realice los ajustes manualmente en la pantalla MENU. (Vea la p.12 de Libro de Operaciones Avanzadas).





- PRECAUCIÓN Al usar cables coaxiales RF del tipo "tuerca", apriételos solamente con los dedos. Un apriete excesivo puede dañar los terminales.

3 Las fijaciones se realizan automáticamente. Cuando termina las fijaciones, aparecerá la siguiente pantalla.



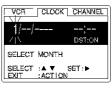
Si aparece en la pantalla "AUTO **CLOCK SET IS INCOMPLETE** (FIJACION AUTOMATICA DEL RELOJ ES INCOMPLETO)", Ajuste el reloj como se describe a continuación.

> VCA CLOCK CHANNEL AUTO CLOCK SET IS PLEASE SET CLOCK BY PRESSING ACTION KEY

AJUSTE MANUAL DEL RELOJ

Si la fijación ha sido incompleta.

1 Presione la tecla ACTION en el control remoto para visualizar la pantalla del menú CLOCK.



2 Presione ▲ ▼ para seleccionar el mes y ▶ para ajustar. De la misma forma, seleccione y ajuste la fecha, año, hora y DST (Hora de Verano).

VC	n	CL	DCK [CHAN	INEL
6/	8/2	003	SUN	2:2 DST	OPV OKI
SET	сом	PLET	ED		
SET STA	RT		ION		

Presione dos veces la tecla ACTION para poner el RELOJ en marcha y salir.

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Spanish Quick Use Guide/ Guia para rapida consulta

PROGRAMACIÓN FÁCIL PARA

2) Presione ▼ para visualizar la

pantalla de Programación.

LA GRABACIÓN CON

TEMPORIZADOR

1) Presione PROG.

OPERACIONES BÁSICAS PARA LA REPRODUCCIÓN

Inserte una cassette.

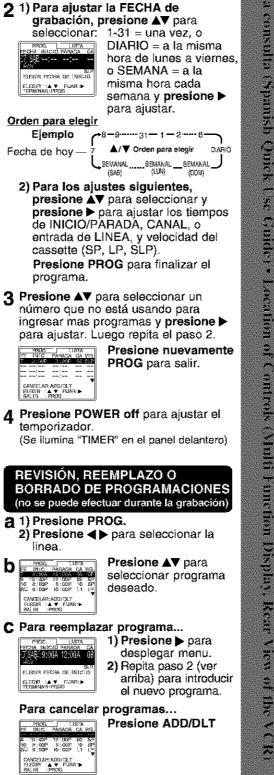
- 2 Presione PLAY para reproducir el cassette.
 - Si el cassette no tiene la lengüeta de prevención de grabación (p. 3), se inicia la reproducción automáticamente.

Detalles especiales durante la grabación

- Presione FF o REW para búsqueda de escenas hacia delante/ hacia atrás. Presione PLAY para liberar. Durante la búsqueda, cada vez que presione FF o REW se cambia la velocidad como sigue: [SLP] aprox. 21X ↔ aprox. 9X aprox. $9X \leftrightarrow aprox. 7X$ ÎLPI İSPİ aprox. 7X ↔ aprox. 3X Si la imágen se interrumpe con la velocidad de 21x, 9x o 7x, cambie la velocidad a 9x, 7x o 3x.
- Presione PAUSE/SLOW para imagen Fija (Congelada).
- Presione PLAY para liberar. ■ Presione PAUSE/SLOW en el modo
- de Imagen fija para imágenes cuadro a cuadro. Presione PLAY para liberar.
- Mantenga pulsado PAUSE/SLOW en el modo de imagen fija para imágenes en cámara lenta. Presione PLAY para liberar.
- 3 Presione STOP para detener el cassette
- Presione REW o FF en el modo de parada para rebobinado/avance rápido del cassette.
- Presione EJECT en el control remoto, o STOP/EJECT en el VCR para expulsar el cassette.

OPERACIONES BÁSICAS PARA LA GRABACIÓN

- 1 Inserte el cassette con lengüeta de protección de grabación (p. 3).
- La alimentación del VCR se activá. En la pantalla Multi Función se ilumina "VCR
- 2 Presione CH ▲▼, las teclas de números para seleccionar el canal.
- **3 Presione SPEED** para seleccionar la velocidad de grabación (p. 3)
- SP = Reproducción estándar,
- LP = Larga duración, SLP = Superlarga duración.
- 4 Presione REC para comenzar a grabar. Para eliminar escenas indeseadas, presione PAUSE/SLOW para hacer una pausa, y al presionar nuevamente continua la grabación.
- 5 Presione STOP para detener la grabación.
- Grabación de un toque. Presione REC repetidamente para ajustar la duración de la grabación como sigue: como sique: 30 min. + 1 hr + 1:30hr + 2:00 + 3:00 + 4:00 + Salida. La VCR se apagara automáticamente en en intervalo seleccionado de tiempo.
- Ver un canal y grabar otro. Presione VCR/TV.
- (La indicación VCR se apagara en la visualización de Multi-Función")
- → Seleccione canales de TV (Mientras permanece grabando)
- Seleccione canales con VCR. Presione VCR/TV (la indicación "VCR" se encenderá en la vízualización multi-función) Seleccione canales en su VCR.



d Presione PROG Para terminar programacion.

PARA CANCELAR LA GRABACIÓN CON TEMPORIZADOR (la grabación está teniendo lugar)

Presione POWER y luego STOP dentro de los 10 segundos para cancelar la grabación con temporizador (el indicador TIMER se apagará en la Pantalla de Multi-Función)

Spanish Quick Use Guide/ Guia para rapida consulta

ANTES DE AL SERVICIO SOPORTE TÉCNICO

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rapida

Verifique los siguientes puntos una y otra ves si esta teniendo problemas con su VCR. (BO : Haga referencia en la instruciones de funcionamiento [Operaciones Básicas]) AO : Hada referecncia el la instruciones de funcionam

ALIMENTACIÓN DE AC	CORRECCIÓN
La unidad no enciende	 Revise que el cordon de alimentación de AC este correctamente conectado a la toma de parad. Presione el botón "POWER" para el encendido de la unidad. Verifique que la fuente de alimantación está activada.
GRABACIÓN Y REPRODUCCIÓN (REC / PLAY)	CORRECCIÓN
No se pueden grabar programas de TV	 Revise las conexiones entre VCR, antena externa o cable y TV. Veritique la selección de conexiones (BO p. 4, AO p. 3) Veritique que su sistema de antenna (Cable o TV) estén correctamente seleccionados. Vea "Channels" (AO p. 12). Asegúrese que la pastaña en el cassette de grabación esté intacta (BO p. 3).
No se puede efectuar grabación con temporizador	 Compruebe que el reloj ha sido ajustado a la hora y fecha actual. Asegúrese de que la caja de Cable/DSS (si se utiliza) se deja encendido y está sintonizado al canal a grabar. Ajuste las horas de comienzo y deteción de grabación correctamente. (BO p. 6) Asegúrese de que ha apagado el VCR antes de la grabación. (BO p. 6) La grabación con temporizador quizás no pueda realizarse o continuarse si se produjera una interrupción de corriente antes o durante una grabación con temporizador, incluso después de restablecido el fluido eléctrico.
No hay imagen de reproducción, o la imagen de reproducción tiene ruidos o contiene rayas	 Seleccióne el canal 3 o 4 en el televisor, de modo que corresponda con el canal de salida del videograbador (3 o 4) (BO p. 4), o seleccione LINE. Ajuste el selector VCR/TV a "VCR". Ajuste el control TRACKING en una de las dos direcciones. (BO p. 3) Pruebe a realizar la limpieza de cabezales. (BO p. 3)
En la reproducción de efectos especiales, la imagen puede contener algunos saltos verticales cuando se utiliza un televisor con Control de Bloqueo Vertical Automático	 Ponga el Control de Bloqueo Vertical del televisor en "MANUAL" y luego realice el ajuste.
No se puede controlar el VCR	 Asegúrese de que el aparato está encendido. Revise las pilas del control remoto. Asegúrese de que el BLOQUEO DEL VCR esté ajustado a INACTIVO (AO p. 10) Asegúrese de que no está funcionando una grabación con temporizador.
CONTROL REMOTO	CORRECCIÓN
NO funciona el control remoto	 Asegúrese de que el aparato está encendido. Asegúrese de que el control remoto está en le modo de VCR. Apunte el control remoto derectamente al sensor remoto del VCR. (BO p. 7) Evite que ningún objeto interrumpa la señal del control remoto. Revise las pilas del control remoto (BO p. 3) Asegúrese de que el BLOQUEO DEL VCR esté ajustado a INACTIVO (AO p. 10) Si el sensor remoto recive directamente la lus del fluorescente o luz solar puede causar interferencia con la señal del control remoto.
Los botones "ACTION" y/o "PROG"	Verifique las conexiones entre VCR, cable o antena y TV.
· · · · · · · · · · · · · · · · · · ·	 Draciona al hatán VCD nara al mada da "ArOD" /AO'N M
no responden	 Presione el botón VCR para el modo de "VCR". (AO p. 2) Revise las baterias del control remoto. (BO p. 3)
	Revise las baterias del control remoto. (BO p. 3) CORRECCIÓN
no responden	Revise las baterias del control remoto. (BO p. 3)
no responden Varios No se pueden ver los programas en	 Revise las baterias del control remoto. (BO p. 3) CORRECCIÓN Asegúrese que la TV este encendida. Asegúrese que la TV esté conectado a la salida de la VCR (VCR Out). Verifique conexiones entre VCR,cable o antena y TV. Ajuste el selector VCR/TV a "TV". (BO p. 5, AO p.10)
no responden Varios No se pueden ver los programas en el televisor No se puede introducir la cassette de	 Revise las baterias del control remoto. (BO p. 3) CORRECCIÓN Asegúrese que la TV este encendida. Asegúrese que la TV esté conectado a la salida de la VCR (VCR Out). Veritique conexiones entre VCR,cable o antena y TV. Ajuste el selector VCR/TV a "TV". (BO p. 5, AO p.10) Asegúrese que la apropiada señal tue seleccionada. Inserte el cassette con el lado de la ventana hacia arriba y la pestaña de grabación frente a usted.
no responden Varios No se pueden ver los programas en el televisor No se puede introducir la cassette de vídeo No se puede extraer la cassette de	 Havise las baterias del control remoto. (BO p. 3) CORRECCIÓN Asegúrese que la TV este encendida. Asegúrese que la TV esté conectado a la salida de la VCR (VCR Out). Verifique conexiones entre VCR,cable o antena y TV. Ajuste el selector VCR/TV a "TV". (BO p. 5, AO p.10) Asegúrese que la apropiada señal tue seleccionada. Inserte el cassette con el lado de la ventana hacia arriba y la pestaña de grabación frente a usted. Verifique que no tenga ningún cassette dentro del aparato. Inserte o conecte completamente el cable de alimentación de

Si no puede resolver su problema, por favor comunicarse al Centro de llamadas del Cliente para asistencia del producto al 1-800-211-PANA(7262). Para localizar un centro de servicios autorizado, llame sin costo al 1-800-211-PANA(7262) o envie un correo a : consumerproducts@panasonic.com

Reset Language, Channels, Clock, VCR's Output Channel

 Image: Notes
 Description
 <thDescription</th>
 <thDescription</th>

Press ACTION to display MENU.

Time Zone Channels Clock Language 1) Press AV to select 1) Press **I** to select 1) Press **I** to select Adjust language item. CHANNEL. CLOCK. (Only when Auto Clock CLOCK CHANNEL AT PLAY COFF TTE WARDING CON SHUT-OFF COFF SPORTS VCR CLOCK CHANNEL ANTERNA : CABLE AUTO SET WEAK SIGNAL DISPLAY : OFF VOR FOLOOK CHANNEL AUTO CLOCK SET is set.) 1) Press < > to select MANUAL TIME ZONE ADJUST : 0 CLOCK. IDICIMALANGUE FENELIK VCF S OUTFUT CH : 3 VOR FOLOOK CHANNEL SELECT A SET P SELECT :AV 4 P SELECT : A V 4 P MANUAL TIME ZONE ADJUST : 0 2) Press ▲▼ to select "MANUAL," and press 2) Press > repeatedly. 2) Press AV to select VCR CLOCK CHANNEL REPEAT PLAY : OFF RENOTE WARNING : ON AUTO SHUT-OFF : OFF AUTO SCHUT-OFF "ANTENNA," then SELECT : A V 4 D EXIT : ACTION For Auto Clock Set, press b to set your antenna system select "AUTO CLOCK 2) Press ▲▼ to select "TIME ZONE HALANGUE ENGLY ("TV" or "CABLE.") SET.") VCR CLOCK CHANNEL VCR CLOCK CHANNEL ADJUST" SELECT (A V SET (> EXIT (ACTION VCR CLOCK CHANN NUTO SET WEAK SIGNAL DISPLAY: OFF For English MANUAL TIME ZORE ADJUST VCR RELOU CANAL SELECT :▲▼ SET :► EXT :ACTION SELECT : A V SET: P EXIT : ACTION VCONTREMOTO AC SELECT (A V SET (> EXT: ACTION 3) Press ▲▼ to select CREVE ALTO ACT ("TIME ZONE ADJUST" "AUTO SET," then appears only when and press b to ELEGIR :▲▼ FUAR:► SALIR :ACTION oress > auto clock is set.) subtract or add If you use Cable VCR CLOCK CHAVANEL hour(s) as necessary. For Spanish Box, set it to the 6/ 8/2023 SUN 3) Press ACTION. MADNETCI, HORL, CANA PBS channel in your RE NEUR : OÙI NON TIME ZONE time zone. SELECT HOUR ADJUST" returns to SELECT : A V SET: > EXIT : ACTION VON CLOCK CHANNEL "0" if clock is set 9EL. :▲▼ REQLER:► GUITTER :ACTION manually. 3) Press **AV** and **A** to select and set For French OH AUTO SET PROCEEDING the date, time, and CANCEL : 9709 DST (Daylight 3) Press ACTION to exit. Saving Time). After Channel Auto Set is finished, Auto

ito 4) Press ACTION to start the Clock and exit this mode.

Clock Set will be

performed.

To add channel: Select channel with NUMBER keys and press ADD/DLT. CHANNEL OB ADDED To delete channel: Select channel with CH ▲/▼ or NUMBER keys and press ADD/DLT. CHANNEL OB DELETED

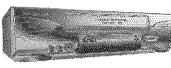
Add or Delete a Channel

DST (Daylight Saving Time)

VCR auto adjusts clock for DST. 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 VCR for timer recordings. Panasonic

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Omnivision WHS

Video Cassette Recorder Operating Instructions (Advanced Operations)

For Basic operations, see the separate "Basic Operations" instruction book.

Models No. PV-V4523S



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As an ENERGY STAR [®] Partner, Matsushita Electric Corporation of America has determined that this product or product model meets the ENERGY STAR [®] guidelines for energy efficiency.



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

VCR's Output Channel Press ▲▼ to select VCR'S OUTPUT CH.* VCR'S OUTPUT CH.* VCR'CCCCCCCCCCCCCCANNEL REMOTE VARIANCE CONTAINEL REMOTE VARIANCE CONTAINEL SELECT : A▼ SET: ► SELE

VCR CLOCK CHANNEL P YOU PRESS ACTION KEY, VCR 'S OUTPUT CH SWITCHES TO CH 4.

3) Press ACTION.

VCA CLOCK CHANNEL PLEASE TUNE YOUR TV TO CH 4.

After 3 seconds



To Make Corrections, repeat steps 1) - 3).

Mulli-Brand Control Feature

Multi-Brand Control Setup

The Remote Control can be set to control some TV functions.

1 Find your TV Brand Code Number from those shown below.

2 Set up for TV control,

- hold down TV button,
- -> enter code with NUMBER keys.

3 Confirm code entry,

- ➤ press POWER to turn your TV on or off.
- See table below for controllable functions in each mode.

Notes · Repeat setup after remote battery replacement.

Remote will not control every TV made by the manufacturer listed. If you get no
response, your particular unit cannot be controlled. There are NO additional codes for
the products listed. If your product is not listed, then the remote is not compatible with
that product.

Using Multi-Brand Control

After remote is set up, you can select VCR or TV for the desired function.

Press VCR or TV on the remote.

(Table below shows available unit buttons for each mode.)

Unit Mode	VCR	τv
VCR	All	VOL UP/DOWN
тν	VCR/TV, PLAY, STOP, EJECT, SAP/HI-FI, DISPLAY, FF, REW, PAUSE/SLOW, REC, SPEED, CM/ZERO, RESET COUNTER, TAPE POSITION	POWER, INPUT, ENTER, NUMBER keys, CH UP/DOWN, VOL UP/DOWN

Notes

- · Not all functions listed may be controllable.
- In TV mode, it may be necessary to press ENTER after pressing NUMBER keys for channel selection.

TV Brand Code Numbers

Panasonic 01, 02	Sylvania 05	JVC 11
Quasar 01,02	Sharp 06, 07	Hitachi 12
RCA	Sony	Mitsubishi 07, 13
GE	Toshiba 09	Samsung 14
Zenith	Sanyo 10	Gold Star 15, 16, 17
Magnavox	Fisher 10	

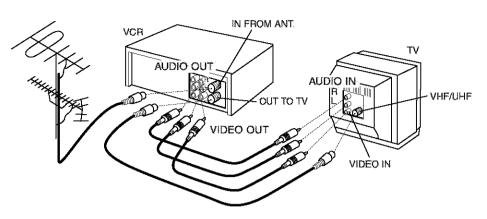
Important Notes

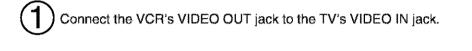
- Some manufacturers use several codes for one brand. If the first code entered fails, try the next one listed.
- Some TV brands require you to turn on the power manually.

Advanced Connections

Audio/Video connection

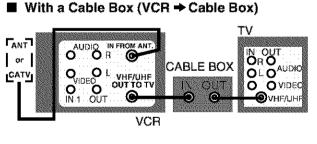
If your TV has AUDIO IN and VIDEO IN terminals, you can connect your VCR to them to receive higher quality picture and sound.





) Connect VCR's L/R AUDIO OUT jacks to the TV's L/R AUDIO IN jacks.

3 Set the VIDEO/TV selector of your TV (Monitor/Receiver) to "VIDEO."



You Can

- view any (including scrambled) channel.
- use VCR Remote Control to select channels without using Mutit-brand control feature.

You Can You Cannot

 record and view both
 scrambled and unscrambled
 channels if
 additional
 equipment is
 added. This
 connection
 requires: two
 converter
 boxes, an A/B
 switch, and a

2-way splitter.

 view a channel other than the one selected for any type of recording.

You Cannot

scrambled

channels.

record

 do a Timer recording of a channel unless you select it at the cable box.

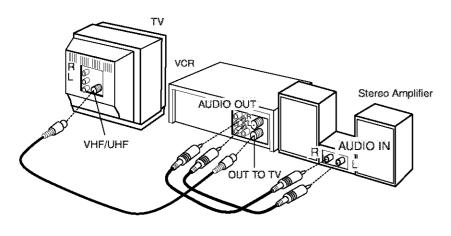
CABLE BOX IN OUT TANT or 2-Way Splitter C/	AUDIO IN FROM ANT O O R O VIDEO L VHF/UHF OUT TO TV IN 1 OUT BLE BOX	
---	---	--

Connect With Two Cable Boxes

Connection

Make the Audio/Video Connection as shown on page 3.

• You can use a TV connected to Stereo amp and speakers instead of a Stereo TV.



Receivable Broadcast Types

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

To display the broadcast signal being received,

➤ press DISPLAY*.

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.



12:00AM

CH 02 0:00:00

CH 02 0:00:00

STOP

SAP MONO

STOP

STEREO SAP MONO

STEREO

MTS Stereo broadcast

Multi-channel Television Sound Stereo broadcast. Select STEREO audio mode.

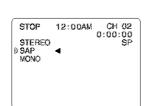
 If stereo broadcast is weak and display flickers, select MONO audio mode for possible better results.

SAP broadcast

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

MONO broadcast

Normal monaural sound broadcast.



12:00AM

Equipped with dbx° -TV Noise Reduction for true MTS reproduction. dbx° -TV Noise Reduction is required for good stereo separation and audio fidelity. dbx° is a registered trademark, and is licensed by dbx° Technology Licensing.

Audio Mode for Recording

1 Press SAP/ Hi-Fi to display audio mode. (Display disappears after 5 seconds.)

2	ØSTEREC ØSAP ◀ MONO

Press SAP/ Hi-Fi repeatedly to select desired mode.

- Refer to "Receivable
- Broadcast Types" on page 4.
- · Arrow indicates selection.

3 Make a recording.

See p. 5 of "Basic Operations" Instruction book.

Audio Mode for Playback

- 1 Start playback. See p. 5 of "Basic Operations" Instruction book.
- 2 Press SAP/ Hi-Fi to display audio mode. (Display disappears after 5 seconds.)



Press SAP/ Hi-Fi repeatedly to select desired mode.

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

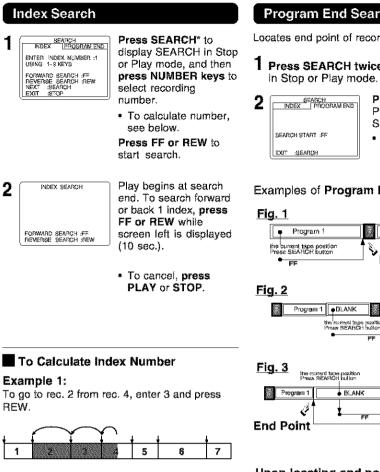
Notes

- Only tapes recorded in Hi-Fi stereo will playback with true stereo sound.
 Standard stereo tapes will playback in monaural sound.
- 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 4.)
- If tracking is adjusted during playback, Hi-Fi audio may revert to normal audio.
- · Hi-Fi and normal audio playback volume level may differ.

ape operation

Search System

For each recording, an invisible index mark is placed on the tape. A program index and information are also included for timer recordings. These marks are used to access or scan recordings.



Example 2:

To go to rec. 6 from rec. 2, enter 4 and press FF



NOTE: I indicates start points of each recording.

Note

 If Index Search is started very close to an index mark, that index mark may not be counted in the search.

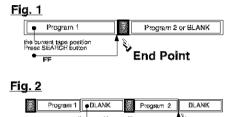
Program End Search

Locates end point of recording for continuity.

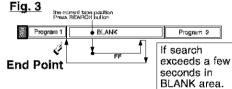
1 Press SEARCH twice to display SEARCH



Examples of Program End Search.







Upon locating end point,

- search continues 7 sec. past end point,
- tape rewinds to 10 sec. before end point,
- tape plays to end point and stops.

Notes

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

Repeat Play

Set to playback a recording over and over.

1 Press ACTION to display menu.



ON : Play repeats at tape end or if unrecorded portion over 30 sec is detected

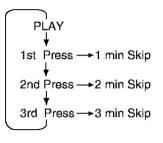
3 Press ACTION to return to normal screen.

Commercial Skip

VCR fast forwards (skips) over 1~3 minutes of recorded tape.

1 Press CM/ZERO in Play mode.

· Press CM/ZERO repeatedly to change skip time as shown below.

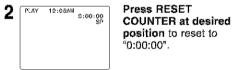


· No indication appears.

Zero Search

To quickly return to a specified tape location.

1 Press DISPLAY during play to display Counter.



3 Continue to record, playback, etc.

4 Press STOP



SEARCH. · Unit will go into FF or REW mode and stop at the last point the Counter was set to

Press CM/ZERO in Stop

mode to start ZERO

0:00:00.

Before Requesting Service

Check the following points once again if you are having trouble with your VCR. (BO : refers to "Basic Operations" Instruction book.) (AO : refers to "Advanced Operations" Instruction book.)

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 connections selection. (BO p. 4, AO p. 3) Make sure your antenna system (CABLE or TV) is correctly set. (Channels [AO p. 12]) Make sure cassette record tab is intact. (BO p. 3) 	
Timor reporting cannot ha	 Make sure cassette record tab is intact. (BO p. 3) Confirm that clock is set to current time and date. 	
Timer recording cannot be performed	 Make sure Cable/DSS box (if used) is left on and tuned to channel to be recorded. Set recording start/stop times correctly. (BO p. 6) Make sure VCR POWER button is pressed off. (BO p. 6) Timer recording may not be performed or continued if a power interruption 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) (BO p. 4) or select LINE. Set VCR/TV selector to "VCR." Adjust TRACKING control in either direction. (BO p. 3) Try Head Cleaning. (BO p. 3) 	
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 power is on. 	
	 Check Remote batteries. Make sure VCR LOCK is set to off. (AO p. 10) 	
	 Make sure Timer Record is not in progress. 	
Remote Control	Correction	
VCR cannot be remote controlled	 Make sure VCR power is on. Make sure Remote is in VCR mode. Aim Remote Control directly at remote sensor on VCR. (BO p. 7) Avoid any object blocking signal path. Check Remote batteries. (BO p. 3) Make sure VCR LOCK is set to off. (AO p. 10) Exposing VCR remote sensor to direct fluorescent or outdoor light may cause signal interference. 	
ACTION and PROG buttons do not respond	 Check connections between VCR, external antenna, and TV. Press VCR button for VCR mode. (AO p. 2) Check Remote batteries. (BO p. 3) 	
Miscellaneous	Correction	
Programs cannot be viewed on TV	 Make sure TV power is on. Make sure TV is set to output of VCR. Check connections between VCR, external antenna, and TV. Set VCR/TV selector to "TV." (BO p. 5, AO p.10) Make sure proper signal source is selected. 	
Video cassette cannot be inserted	 Insert the cassette with window side up; record tab facing you. 	
	Check if a tape is already in the unit.	
Video cassette cannot be removed	Confirm Power Plug is fully inserted into an 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. (BO p. 3) 	
In Stop mode, the motor (CYLINDER) continues to rotate	 To enable Quick play mechanism, the cylinder will rotate for about 3 minutes. This reduces response time from Stop to Play mode and from Play to Rewind Search mode. 	

If you cannot resolve the problem, please call the Customer Call Center for product assistance at 1-800-211-PANA (7262).

To locate an authorized servicenter, please call toll free 1-800-211-PANA (7262). or send e-mail to : consumerproducts@panasonic.com

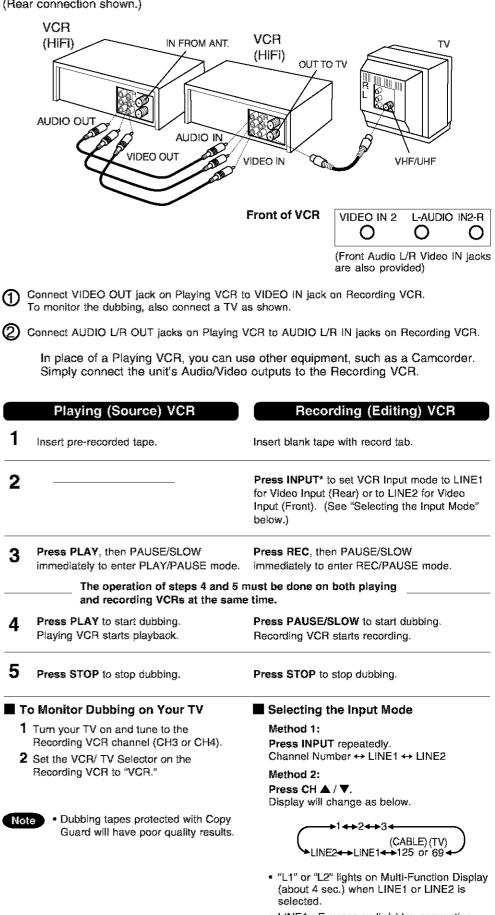
Panasonic Consumer Electronics Company, **Division of Matsushita Electric Corporation of America** One Panasonic Way Secaucus, New Jersey 07094



Copying Your Tapes (Dubbing)

Connection

(Rear connection shown.)



 LINE1: For rear audio/video connection. LINE2: For front audio/video connection.

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

*Important: If a remote control button does not work when pressed. press the VCR button on the remote and try the button again.

Panasonic Sales Company ("PSC"), Division of Matsushita Electric of Puerto Rico, Inc. Ave. 65 de Infantería. Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

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Special VCR Features On-Screen Displays (OSD) special **Tape Position Display Feature** Remote Warning ON/OFF Feature **On-Screen Displays (OSD)** If Multi-brand feature is used (page 2), and this To find out the present tape position. **Function & Channel Displays** Blank Tape/ VCR Tape position is displayed for VHS-C feature is set to on, a warning appears **No Video Signal Indications** Cassettes type, tapes under 30 minutes, and When a function button whenever an invalid key is pressed in TV mode. CH 0.8 some other tapes, but the position is not When blank tape is detected during play, is pressed, e.g. PLAY, or correct. you change channels, **1** Press ACTION to display menu. Features • or the current channel has no signal (with a 5 second display Weak Signal Display feature (p. 10) set to **1** Press TAPE POSITION VER CLOCK CHANNEL Press **AV** to select 2 appears. OFF), the TV screen will turn solid blue. REPERIPLAY DEP RESOLEWARDER :CN AUTO SHUT-OFF :OFF REMOTE WARNING to detect tape position. AUTO SHUT-OFF : OFF AUTO VOR/TV : ON IDIOMA/LANQUE : ENGLISH VOR S OUTPUT CH : 3 and press ▶ to set ON "DETECTING TAPE or OFF. DETECTING TAPE POSITION SELECT (A V SET (> EXIT (ACTION VCR Status & Clock Displays POSITION[®] only v opv · If "OFF," remote appears the first time warning will not appear To display or remove **Function Status Current Time** a cassette is inserted if invalid key is pressed. overlay at right, and it takes several REC 1: 0:25 ©STEREO ◀ ©SAP MONO 12:004¥ 0H 02 --0:12:34 Your Tapes (Dubbing) seconds for correct press DISPLAY*. **Rec Time Remaining** 3 Press ACTION to return to normal screen. indication to appear. (OTR mode only. See p. 5 of Basic The present tape Operations book.) position Indication is BEGIN displayed. **Broadcast Audio** 2 Press TAPE POSITION **Being Received** (See p. 3 of Basic Auto Shut-Off Feature Operations book.) to return to normal screen. The power shuts off at a preset time. 1 Press ACTION to display menu. These displays will alert you to a missed Warning and Instruction Displays operation or provide further instructions. VOR CLOCK CHANNEL 2 Press AV to select WICE WARNING :OFF :ON :ØFF AUTO SHUT-OFF. Weak Signal Display ON/OFF Feature Before Requesting OSD Caution Page Press > repeatedly to AUTO VORTV : DN IDIOMALANQUE : ENGLISH VOR'S OUTPUT CH : 3 When set to "ON," picture is displayed change shutoff time as SELECT (A V SET (> regardless of signal strength. shown below. See page 6 of PLEASE SET CLOCK BY If you attempt to set or review a Timer Recording and the Clock is not set ... **Basic Operations** PRESSING ACTION KEY 1 Press ACTION to display menu. OFF -> 2 Hours -> 4 Hours -> 6 Hours book ANTENNA : CABLE Press ◀ ► to select 2 and display CHANNEL. Press AV to select 3 Press ACTION to return to normal screen. WEAK SIGNAL See page 6 of After a Timer Program has been set... TURN VCR OFF DISPLAY, and press SELECT :▲ ▼ SET :► . The shut-off countdown will not Service **Basic Operations** Note FOR TIMER RECORDING to set ON or OFF. book function during Play or Record. · ON: Picture is displayed even if signal is very weak but quality may be poor. If you press REC on the remote OFF: Screen turns solid blue when signal See page 3 of CHECK CASSETTE is weak or non-existent. control or VCR, and a cassette is **Basic Operations RECORD TAB** VCR/TV Selector Feature book inserted with no record tab ... · Selecting ON has no effect on connected equipment with blue back feature. The VCR/TV selection can be set to auto or manual. 3 Press ACTION to return to normal screen. If you press PLAY, FF, REW, or REC See page 5 of NO CASSETTE 1 Press ACTION to display menu. on the remote control or VCR without **Basic Operations** a cassette inserted... book VOR CLOCK CHANNEL REPEAT PLAY : OFF REMOTE WARNING : ON AUTO SHUT- OFF : OFF Press AV to select 2 AUTO VCR/TV. and press > to set ON VCR Lock Feature NUTO VG#/TV CH DIOMA/LANQUE : ENGLISH VON'S OUTPUT CH : 3 or OFF When set to ON, all operations except for timer If you press POWER or STOP during TO CANCEL TIMER REC SELECT (A V SET (> EXIT (ACTION See page 6 of record and tape eject are prohibited. Useful for PRESS POWER THEN a Timer Recording... Basic Operations households with small children. STOP KEY (visible in VCR mode only) · OFF(Manual): You select "VCR" or "TV" book mode using the VCR/TV To turn on, hold down REC on the VCR in Stop button on the unit or remote **VIDEO HEADS MAY** ACH FOCK VOLLAVED mode with no tape • ON(Auto): "VCR" mode is automatically NEED CLEANING inserted for 7 sec. See page 3 of set when VCR is turned on, PLEASE INSERT HEAD If head cleaning becomes necessary (Please ignore the NO or in Play mode. **Basic Operations CLEANING CASSETTE** while playing back a tape ... CASSETTE warning.) book **OR REFER TO MANUAL** 3 Press ACTION to return to normal screen. To turn off, repeat above. END :PLAY VOR LOOK OFF Note If you press a function button other VCR LOCK ACTIVATED For more on VCR/TV selection, see "Record than STOP/EJECT or POWER while See page 10 one station, watch another" and "Select the VCR is in VCR Lock mode ... · VCR Lock cancels in 24 hours if clock is set. channels on VCR" sections (see p. 5 of Basic Operations book) **REMOTE CONTROL IS SET** If you press an invalid key on the TO TV MODE remote while in TV mode ... See pages 2, 10

*Important: If a remote control button does not work when pressed. press the VCR button on the remote and try the button again.

USE VCR : VCR KEY

Channel

Counter

Tape Speed

ß 000 - (2:30-REC

1 (**T**)

Limited 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

Limited Warranty • Customer Services Directory • Guía para rápida consulta (Spanish Quick Use Guide)

Panasonic VHS VCR Products Limited Warranty

Limited Warranty Coverage If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Parasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
All components of VCR except item listed below	One (1) Year	Ninety (90) Days
Video Tape (in exchange for defective video tape)	Five (5) Days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted.

This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

- Panasonic Services Company Customer Servicenter Suite B
- 4900 George McVay Drive McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Sales Company

(787) 750-4300 or fax (787)768-2910

When shipping the unit carefully pack and send it prepaid, adequately insured and preterably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures but in subtrief, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God,

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTES, INCLUDING THE WARRANTY OF MERCHANTABILITY, APE I IMITED TO THE BEODO OF THE I WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

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 exclusions 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 warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory

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

1-800-211-PANA (7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 9 am-7 pm, EST. or send e-mail : consumerproducts@panasonic.com

For hearing or speech impaired TTY users. TTY : 1-877-833-8855

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

Accessory Purchases:

1-800-332-5368 (Customer Orders Only) For hearing or speech impaired TTY users, TTY : 1-866-605-1277 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)

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/ Factory Servicenter: Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985 Phone (787)750-4300 Fax (787)768-2910

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