

Spanish Quick Use Guide/ Guía para rápida consulta

ANTES DE SOLICITAR SOPORTE TÉCNICO

Verifique los siguientes puntos una y otra vez si está teniendo problemas con su VCR.
(AO : Haga referencia en "Basic Operator" contenido del libro de instrucciones)
(BO : Haga referencia en "Advanced Operator" contenido del libro de instrucciones)

ALIMENTACION DE AC	CORRECCION
La unidad no enciende....	<ul style="list-style-type: none"> Revise que el cordón de alimentación de AC este correctamente conectado a la toma de pared. Presione el botón "POWER" para el encendido de la unidad. Verifique que la alimentación de poder de AC este activada o sea.
GRABACION Y REPRODUCCION (REC / PLAY)	CORRECCION
Programas de TV no pueden ser grabados...	<ul style="list-style-type: none"> Revise las conexiones entre VCR, antena externa o cable y TV. Verifique la selección de conexiones (BO p. 4, AO p. 3). Verifique que su sistema de antena (Cable o TV) estén correctamente seleccionados. Vea "Channels" (AO p. 12). Asegúrese que la cñija en el cassette de grabación este intacta (BO p. 3).
Grabación con temporizador no se puede efectuar...	<ul style="list-style-type: none"> Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6). Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6). Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
No hay imagen de reproducción o en la imagen existe ruido o líneas...	<ul style="list-style-type: none"> Verifique que la VCR este encendida. Asegúrese que el canal de la VCR este apagado. (AO p. 10) Verifique que el control remoto este en el modo apropiado. (AO p. 2) Asegúrese que grabaciones con temporizador no estén en progreso.
Reproducción con afectaciones especiales. La imagen posiblemente contiene distorsiones cuando se use TVs con control automático sostenido...	<ul style="list-style-type: none"> Coloque la TV de control automático sostenido a control Manual y apádelo.
Pérdida del control en la VCR...	<ul style="list-style-type: none"> Verifique que la VCR este encendida. Asegúrese que el canal de la VCR este apagado. (AO p. 10) Verifique que el control remoto este en el modo apropiado. (AO p. 2) Asegúrese que grabaciones con temporizador no estén en progreso.
CONTROL REMOTO	CORRECCION
Control remoto no puede operar la VCR...	<ul style="list-style-type: none"> Asegúrese que la VCR este encendida. Verifique que el control remoto este en el modo VCR. Verifique (BO p. 2). Evite que algún objeto se interponga en el camino (control remoto y sensor de la VCR). Verifique que la VCR este apagada. (AO p. 10) Asegúrese que el canal de la VCR este apagado. (AO p. 10) Exponer el sensor del control remoto a fluorescencia o luz solar directa cuando interfiera en la señal. Verifique las conexiones entre VCR, cables de antena y TV. (VCR Out). Verifique conexiones entre VCR, cable o antena y TV. Coloque el selector VCR/TV a TV. (BO p. 5) Asegúrese que la antena externa esté correctamente conectada. Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
MISCELANEOS	CORRECCION
Canales de TV no pueden ser vistos...	<ul style="list-style-type: none"> Asegúrese que la TV este encendida. Asegúrese que la TV este sintonizada en la salida de la VCR (VCR Out). Verifique conexiones entre VCR, cable o antena y TV. Coloque el selector VCR/TV a TV. (BO p. 5) Asegúrese que la antena externa esté correctamente conectada. Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
El cassette de video no puede ser introducido o insertado...	<ul style="list-style-type: none"> Verifique que la cinta este lista dentro de la unidad. Verifique si la cinta esta lista dentro de la unidad. Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
El cassette de video no puede ser removido...	<ul style="list-style-type: none"> Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
El cassette de video es expulsado al inicio de grabaciones y/o cuando apaga la unidad y luego programadas grabaciones con temporizador...	<ul style="list-style-type: none"> Verifique que la configuración de tiempo este en el día y hora actual. Asegúrese que el Cable DigitalDSS (si es usado) está encendido y sincronizado en el canal que se desea grabar. Verifique que el modo de grabación (BO p. 6) sea el correcto. Asegúrese de presionar el botón "POWER" de apagado de la VCR (BO p. 6).
Si en el modo de parar (stop mode) el motor (CLINDRO) continúa en rotación...	<ul style="list-style-type: none"> Para permitir rápido mecanismo de reproducción, el cilindro rotará aproximadamente 3 min. Esta reducción responde al tiempo desde el paro hasta el modo de reproducción (play mode) y de ese hacia el modo de avance de cinta de cassette (rewind search mode).

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 envíe un correo a : consumerproducts@panasonic.com

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. 66 de Interferencia, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

PANASONIC VHS VCR Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as the "Warrantor") will repair or replace this product with new or refurbished parts or equivalent product, 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):

PARTS - ONE (1) YEAR

LABOR - NINE (9) DAYS

Batteries - Non-rechargeable batteries are not warranted.

Tape (if included) - New video tape in exchange for defective video tape for (5) days.

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

Panasonic Services Company
Customer Service Center Suite B
4900 George McVay Drive.
McAllen, TX 78503

In Puerto Rico contact the Panasonic Sales Company.
Tel. (787)750-4300
Fax. (787)768-2910

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably 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.

Also, the purchaser will be responsible for shipping the unit to the above address.

This warranty is extended only to the original purchaser.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use. 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, improper insertion of consumables, 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 PANASONIC VHS VCR authorized repair facility, 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 PRODUCT, 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 WARRANTY 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 you have a problem with this product that is not handled to your satisfaction, then write to the Consumer Affairs Department at the Company address indicated on this page.

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.

Web Site: <http://www.panasonic.com>

You can purchase parts, accessories or locate your nearest service center by visiting our Web Site.

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)

Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032

(9 am to 5 pm Monday - Friday, 9 am to 10:30 pm Saturday, PST)

(VISA, MasterCard, Discover Card, American Express, Check)

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

Panasonic®



OmniMotion VHS

Video Cassette Recorder Operating Instructions (Basic Operations)

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

Model No. PV-V4612



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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.)

LS010508A

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

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.



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

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.

Hi-Fi Indicator
Lights up when Hi-Fi audio is monitored in Playback Mode.

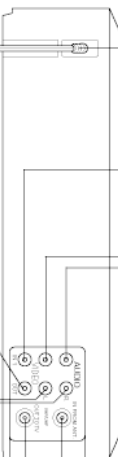
Rear View of the VCR

AC Power Plug
While plugged into an AC outlet, the VCR consumes 3.0 W of electrical power in off condition.

Audio Input Connector (L/R)

Video Input Connector

VHF/UHF Antenna Input Terminal



Video Output Connector

Audio Output Connector (L/R)

VHF/UHF Antenna Output Terminal

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CONEXIONES/CONFIGURACION INICIAL (READY TO PLAY)

Favor realice la conexión de antena o cable antes de conectar el cordón de AC a la toma de pared. Conectando el cordón de AC de la VCR en toma de pared iniciará automáticamente la búsqueda de canales y colocación de tiempo.

CONECTANDO

Para Ant/Cable → VCR → TV

- 1 Conecte Ant/Cable a la entrada de antena de la VCR (VCR In)
- 2 Conecte la salida de la VCR (VCR Out) a la entrada de antena de la TV (TV In)

Para Sistema Digital de Satellite (DSS) Convertidor de cable → VCR → TV

- 1 Conecte la salida del convertidor de cable a la "VCR In" con el RF cable accesorio incluido.
- 2 Conecte "VCR Out" a la "TV In" con el cable-accesorio incluido.

REALIZANDO CONFIGURACION INICIAL

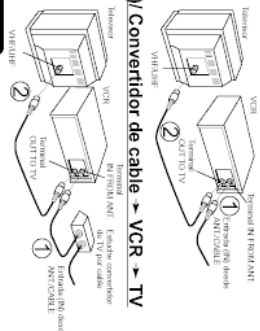
1 Encienda la TV y cambie a canal 3.

2 Conecte cordón de AC de la VCR a la toma de pared. La VCR se activará e iniciará búsqueda de canales y colocación de tiempo.

- Si la pantalla abajo no aparece, cheque la conexión VCR-TV y si la TV fue cambiada a el canal 3, trate cambiando a el canal 4.
- Para cambios a el canal de salida de la VCR favor hacer referencia a "VCR's Output Channel" mas adelante descrito en el libro de operaciones (p. 12).

Conectando cordón de AC a la toma de pared.

PRECAUCIÓN
Si se quiere ajustar "NUT TYPE" el cable canal RF podría dañar las terminales de conexión. Ajustar apropiadamente utilice solo los dedos.



4 SELECCION DE CONEXION en el menú desplegado en pantalla.

- (Si la conexión es **ANTI CABLE → VCR → TV**) Presione **▲▼** para obtener las conexiones **→ VCR → TV**, o **→ VCR → CABLE/DSS → TV**, y presione **▶** selección.

■ (Si la conexión es **DSS/Convertidor de cable → VCR → TV**) Presione **▲▼** para obtener la conexión **→ CABLE/DSS → VCR → TV** y presione **▶** para seleccionar.



Si usa convertidor de cable solo encienda la selección el canal PBS en su notario de uso u notario de zona. Si utiliza receptor DSS este debe estar apagado.

3 Selecciones se realizaron automáticamente cuando la configuración termino, esta pantalla aparece.



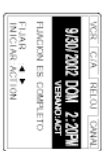
Ajuste Manual del Reloj

Si la colocación de tiempo fue incompleta.

a Presione la tecla **ACTION** en el control remoto para visualizar la pantalla del menú **RELOJ**.



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



c Presione dos veces la tecla **ACTION** para poner el **RELOJ** en marcha y pase al paso 4 anterior.

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OPERACIONES BÁSICAS PARA LA REPRODUCCIÓN

1 Inserte una cassette.

• La alimentación del VCR se activa. En la Pantalla de Visualización Multi Función se ilumina "VCR".

2 Presione **PLAY** para reproducir el cassette.

• Si el cassette no tiene 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. Después que la búsqueda ha iniciado, Presione **FF** o **REW** en cada uno de los cambios de velocidades mostradas abajo.

(SLP) approx. 21X ↔ approx. 9X (SP) approx. 9X ↔ approx. 3X Si a velocidad de 21X, 9X, o 7X la imagen se interrumpe cambie a velocidad 9X, 7X o 3X.

■ Presione **PAUSE/SLOW** para imagen Fija. (Congelada).

■ 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 STOP para detener el cassette.

■ Presione **REW** o **FF** en el modo de parada para rebobinado/avance rápido de el 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 activa. En la pantalla Multi Función se ilumina "VCR".

2 Presione **CH ▲▼** o 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 finalizar escenas indeseadas, presione **PAUSE/SLOW** para pausar, y al grabación.

5 Presione **STOP** para detener la grabación.

■ Grabación de Un Toque (grabar en marcha). Presione **REC** repetidamente para colocar diferentes períodos de tiempo de grabación como sigue: 30 min. → TV 1.30h → 2.00h → 3.00h → 4.00h → Salida.

■ VCR se apagará automáticamente en intervalo seleccionado de tiempo.

■ Ver un canal y grabar otro.

■ Presione **VCR/TV** (VCR desplegará Multi Función Display) → Seleccione canales de TV (líneas permanentes grabando).

■ Seleccione canales con VCR Presione **VCR/TV** (Activaran luces en el control de multilíneas).

→ Seleccione canales con VCR.

→ Seleccione canales con VCR.

→ Seleccione canales con VCR.

PROGRAMACIÓN FACIL PARA LA GRABACIÓN CON TEMPORIZADOR

1 Presione **PROG/VCR+**.

2 Presione **▼** para visualizar la pantalla de Programación.

3 Presione **PROG/VCR+**.

4 Presione **PROG/VCR+**.

5 Presione **PROG/VCR+**.

6 Presione **PROG/VCR+**.

7 Presione **PROG/VCR+**.

8 Presione **PROG/VCR+**.

9 Presione **PROG/VCR+**.

10 Presione **PROG/VCR+**.

11 Presione **PROG/VCR+**.

12 Presione **PROG/VCR+**.

13 Presione **PROG/VCR+**.

14 Presione **PROG/VCR+**.

15 Presione **PROG/VCR+**.

16 Presione **PROG/VCR+**.

17 Presione **PROG/VCR+**.

18 Presione **PROG/VCR+**.

19 Presione **PROG/VCR+**.

20 Presione **PROG/VCR+**.

21 Presione **PROG/VCR+**.

22 Presione **PROG/VCR+**.

23 Presione **PROG/VCR+**.

24 Presione **PROG/VCR+**.

25 Presione **PROG/VCR+**.

26 Presione **PROG/VCR+**.

27 Presione **PROG/VCR+**.

28 Presione **PROG/VCR+**.

29 Presione **PROG/VCR+**.

30 Presione **PROG/VCR+**.

31 Presione **PROG/VCR+**.

32 Presione **PROG/VCR+**.

33 Presione **PROG/VCR+**.

34 Presione **PROG/VCR+**.

35 Presione **PROG/VCR+**.

36 Presione **PROG/VCR+**.

37 Presione **PROG/VCR+**.

Playback / Record on a Tape

Playback a Tape

- 1 Insert a tape.
- Loose or peeling labels may cause tape jam.



- 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**.

After search has begun, each additional press of **FF** or **REW** changes speed as shown below.

- [S.L.P.] Approx. 21X → Approx. 9X
- [L.P.] Approx. 9X → Approx. 3X
- [S.P.] Approx. 3X → Approx. 1X
- It at 21X, 9X, or 3X speed the picture is interrupted, change speed to 9X, 3X, or 1X.

Notes

Picture interruption may occur with some TVs. If the REC search speed may vary depending on current tape position.

- **Still (Freeze) Picture**
- Press **PAUSE/SLW**.
- Press **PLAY** to release.
- **Frame by Frame Picture**
- Press **PAUSE/SLW** in Still mode.
- Press **PLAY** to release.
- **Slow Motion Picture**
- Hold down **PAUSE/SLW** 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 → Power comes on → Play starts if no record tab (see p. 3).
- **Auto Rewind**
- Play → Tape end → Rewind
- Fast Forward → Tape end → Rewind
- **Play Auto Eject**
- (Repeat Play must be off.)
- Play → Tape end → Rewind → Tape ejects if no record tab

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

Timer Recording

Timer Recording

- 1) Press **PROG/VCR+** button.
- 2) Press **▼** to display program screen.



- 1) Set record **DATE**, press **▲** to select: 1-31 = one time, or DAILY = MON - FRI, or WEEKLY = same time each week and press **▶**.
- 2) Set remaining items, press **▲** to select, and press **▶** to set **START/STOP** times, CH(channel) or LINE input (p. 9 of Advanced Operations), and tape speed (p. 3).

Press **PROG/VCR+** button to end programming.

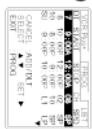


- 3) Press **▲** to select and press **▶** to set an unused program. Then repeat step 2.
- 4) Press **POWER** off to set the timer. ("TIMER" lights on Multi Function Display.)

Review/Replace, or Clear Program

(Recording is not in progress)

- a) 1) Press **PROG/VCR+** button.
- 2) Press **▶** to select **LIST**.
- Press **▲** to select desired program.



c) To Replace program...

- 1) Press **▶** to display.
- 2) Repeat Step 2 (above) to set new programs.



To Clear program...

Press **ADD/DLT**.



- d) Press **PROG/VCR+** button to end the program.

Notes

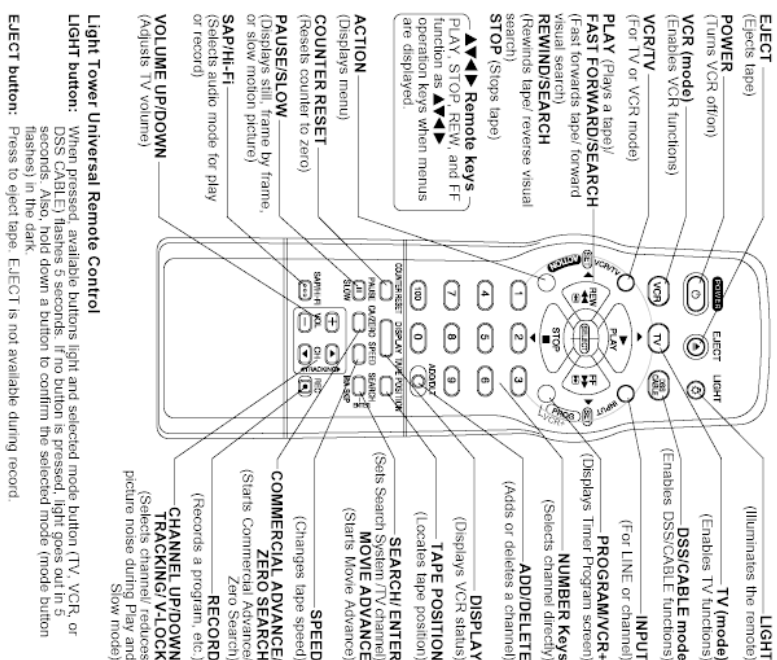
- If you are using a Cable Box, VCR Timer Programming Channel (Step 2 above) must be set to the Cable Box output channel and your Cable Box must be manually set to the desired channel. The Cable Box must be left on.
- If a power interruption occurs while programming the timer, the timer program(s) may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

Important notes when using DSS receiver

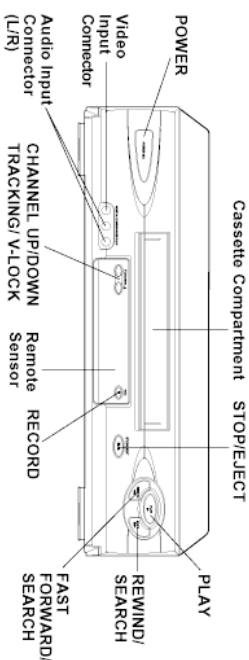
- When recording programs via DSS receiver, DSS receiver must be left on.
- When recording programs via an antenna or cable, DSS receiver must be turned off.

Location of Controls

Remote Control Buttons



Front View of the VCR



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

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.

1. INSTALLATION

POWER SOURCE: 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 or voltage.

2. POLARIZED OR GROUNDING PLUG: As a safety feature, this Video product comes with either a polarized power cord plug (one with a single notch) or a three-prong (one grounding type plug).

3. 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 outlet. Do not attempt the safety service by tampering with the plug.

GROUNDING PLUG CAUTION: The plug will only fit into a three-hole grounding outlet. If necessary, have an electrician install the proper outlet. Do not attempt the safety service by tampering with the plug.

4. POWER CORD

Make sure power cords are routed so that they are not likely to have anything run over them. 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. If a grounded plug is used, the ground wire must be connected with insulation and should be replaced by a qualified service technician.

Overloaded outlets and extension cords are fire hazards.

5. DO NOT BLOCK VENTILATION HOLES

Ventilation openings in the cabinet release heat generated during operation. If they are blocked, heat buildup inside the unit can cause failure of internal components. Do not place the unit on a carpet, rug, or other surface that could block the ventilation holes.

6. DO NOT BLOCK VENTILATION HOLES

Ventilation openings in the cabinet release heat generated during operation. If they are blocked, heat buildup inside the unit can cause failure of internal components. Do not place the unit on a carpet, rug, or other surface that could block the ventilation holes.

7. AVOID EXTREME 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 from a cold location to a warm location or vice versa. If the unit is suddenly moved from a cold place to a warm place, moisture may condense on the unit and on the tape.

8. DO NOT BLOCK VENTILATION HOLES

Ventilation openings in the cabinet release heat generated during operation. If they are blocked, heat buildup inside the unit can cause failure of internal components. Do not place the unit on a carpet, rug, or other surface that could block the ventilation holes.

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'échec électrique, ne pas exposer cet appareil à la pluie ou à une humidité excessive.

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.



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER OR ANY OTHER PARTS EXCEPT WHEN SERVICING. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol warns the user that uninsulated voltage may be present inside the equipment. 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.

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

Before Using

Congratulations

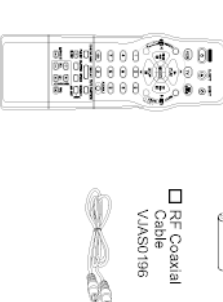
on your new purchased with proper use, this dependable product will provide years of enjoyment. Please fill in the information below. (Serial number is on tag on back of VCR.)

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

Accessories

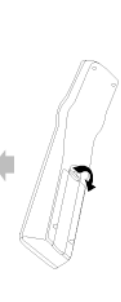
☐ Remote Control
☐ Batteries 2 - AA
☐ LSSC0313

☐ RF Coaxial Cable
VJAS0196



To order accessories, call toll free 1-800-332-5388.

Loading the Batteries

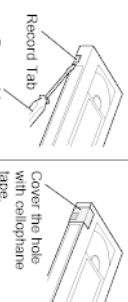


Battery replacement caution

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

Prevent Accidental Tape Erasure

Break off the tab to prevent recording.



Record/Playback Time

Only use tapes with the **MIS** mark in this unit.

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

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 cleaning cassette only. (Part No. VV-TCL30P 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, anti-static cleaner/polisher.

Acetone and various solvents could damage finish.

Specifications

Power Source: 120 V A.C. 60 Hz
Power Consumption: Power On Approx. 23 W
Power Off Approx. 3.0 W
Video Signal: 4 EIA Standard NTSC color 100 lines feeds helical scanning system
Audio track: 2 channel
Hi-Fi Audio Sound

Tuner: Broadcast Channels: VHF 2 - 13, UHF 14 - 69
CABLE Channels: Midband A - 114 - 222
Superband J - W (23 - 36)
Hyperband AA - EEE
(37 - 64)
Lowband A-S - A-1 (95 - 99)
Special CABLE Channel SA (01)
Ultra-band 65 - 94, 100 - 125

Operating Temperature: 5 °C - 40 °C (41 °F - 104 °F)
Operating Humidity: 10 % - 75 %
Weight: 2.7 kg (6.0 lbs)
Dimensions: 430 (W) x 368 (H) x 242 (D) mm
16 1/2 (W) x 14 1/2 (H) x 9 1/2 (D) inch

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

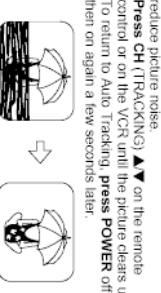
Features for a Quality Picture

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.

Connections / Initial Setup (Ready to Play)

Please make all cable or antenna connections before plugging into the AC outlet. Plugging the VCR Power Cord into an AC wall outlet starts auto channel and clock set.

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.

Doing Initial Setup (Ready to Play)

- Press VCR on remote for VCR mode. Turn TV on and tune to channel 3.
- 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

4 SELECT CONNECTION screen is displayed.

If ANT./Cable → VCR → TV connection, press ▲▼ to select "VCR → TV" or "VCR → CABLE/DSS BOX → TV", and press ► to set.

SELECT CONNECTION
VCR → TV
VCR → CABLE/DSS BOX → TV
SELECT ▲▼ SET ►

If DSS/Cable Box → VCR → TV connection, press ▲▼ to select "CABLE/DSS BOX → VCR → TV" and press ► to set.

SELECT CONNECTION
CABLE/DSS BOX → VCR → TV
SELECT ▲▼ SET ►

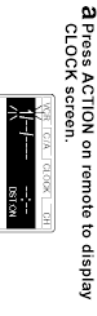
Verify the output channel of your cable box or DSS receiver and press ▲▼ to select and ► to enter that channel number.

SELECT CHANNEL
CABLE/DSS BOX OUTPUT NO.
01-125
SELECT ▲▼ SET ►

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

VCR CLOCK SET IS INCOMPLETE
PRESSING ACTION KEY

Manual Clock Set
If Auto Clock Set was incomplete, press ACTION on remote to display CLOCK screen.



Press ACTION to start clock, and go to step 4 above.

On-Screen Displays (OSD)

On-Screen Displays (OSD)

Function & Channel Displays

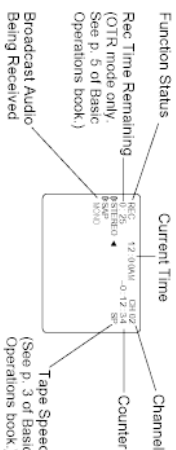
When a function button is pressed, e.g. **PLAY**, or you change channel, a 5 second display appears.

Blank Tape/ No Video Signal Indications

When blank tape is detected during play, or the current channel has no signal (with Weak Signal Display feature (p. 10) set to OFF), the TV screen will turn solid blue.

VCR Status & Clock Displays

To display or remove overlay at right, **→ Press DISPLAY**.



Warning and Instruction Displays

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

OSD	Caution	Page
PLEASE SET CLOCK BY PRESSING ACTION KEY	If you attempt to set or review a Timer Recording and the Clock is not set...	See page 6 of Basic Operations book
TURN VCR OFF FOR TIMER RECORDING	After a Timer Program has been set...	See page 6 of Basic Operations book
CHECK CASSETTE RECORD TAB	If you press REC on the remote control or VCR, and a cassette is inserted with no record tab...	See page 3 of Basic Operations book
NO CASSETTE	If you press PLAY , FF , REW , or REC on the remote control or VCR without a cassette inserted...	See page 5 of Basic Operations book
TO CANCEL, TIMER REC PRESS POWER THEN STOP KEY	If you press POWER or STOP during a Timer Recording...	See page 6 of Basic Operations book
VIDEO HEADS MAY NEED CLEANING. PLEASE INSERT HEAD CLEANING CASSETTE OR REFER TO MANUAL	If head cleaning becomes necessary while playing back a tape...	See page 3 of Basic Operations book
END :PLAY		
VCR LOCK ACTIVATED	If you press a function button other than STOP/EJECT or POWER while the VCR is in VCR Lock mode...	See page 10
REMOTE CONTROL IS SET TO TV MODE	If you press an invalid key on the remote while in TV mode...	See pages 2, 10
USE VCR : VCR KEY		

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

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

Press ACTION to display MENU.



Language

1) Press **→** to select language item.



2) Press **→** repeatedly.



For English



For Spanish



For French

3) Press ACTION to exit.

After Channel Auto Set is finished, Clock Auto Set will be performed.

Channels

1) Press **→** to select CHANNEL.



2) Press **→** to select CHANNEL.



3) Press **→** to select CHANNEL.



4) Press **→** to select CHANNEL.



5) Press **→** to select CHANNEL.

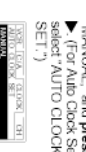
After Channel Auto Set is finished, Clock Auto Set will be performed.

Clock

1) Press **→** to select CLOCK.



2) Press **→** to select CLOCK.



3) Press **→** to select CLOCK.



4) Press **→** to select CLOCK.



5) Press **→** to select CLOCK.

After Channel Auto Set is finished, Clock Auto Set will be performed.

Time Zone Adjust

(Only when Auto Clock is set)



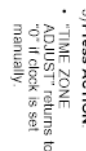
1) Press **→** to select TIME ZONE ADJUST.



2) Press **→** to select TIME ZONE ADJUST.



3) Press **→** to select TIME ZONE ADJUST.



4) Press **→** to select TIME ZONE ADJUST.

After Channel Auto Set is finished, Clock Auto Set will be performed.

VCR's Output Channel

1) Press **→** to select VCR'S OUTPUT CH.



2) Press **→**



3) Press ACTION



After 3 seconds



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

Add or Delete a Channel

To add channel: Select channel with **NUMBER** keys and press **ADD.LT**.



To delete channel: Select channel with **CH ▲▼** or **NUMBER** keys and press **ADD.LT**.



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-OFF → 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.

• Reset Language, Channels, Clock, VCR's Output Channel • DST • On-Screen Displays (OSD)

Panasonic®



OmniVision VHS

Video Cassette Recorder Operating Instructions (Advanced Operations)

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

Model No. **PV-V4612**



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VCR Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VCR Plus+ system is manufactured under license from Gemstar Development Corporation.



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.

LSQ70524A

For assistance, please call 1-800-211-PANAT7282 or send e-mail to: consumerproducts@panasonic.com

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...	<ul style="list-style-type: none"> • 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...	<ul style="list-style-type: none"> • 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) • Confirm that 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. (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...	<ul style="list-style-type: none"> • 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...	<ul style="list-style-type: none"> • Set TV's Vertical Hold Control to MANUAL, then adjust.
VCR cannot be controlled...	<ul style="list-style-type: none"> • Make sure VCR power is on. • Check Remote batteries. • Make sure VCR LOCK is set to off. (AO p. 10) • Make sure Remote is in proper mode. (AO p. 2) • Make sure Timer Record is not in progress.
Remote Control	Correction
VCR cannot be remote controlled...	<ul style="list-style-type: none"> • 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. • 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...	<ul style="list-style-type: none"> • 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) • Make sure proper signal source is selected.
Video cassette cannot be inserted...	<ul style="list-style-type: none"> • Insert the cassette with window side up, record tab facing you. • Check if a tape is already in the unit. • Completely insert Power Plug into an AC outlet.
Video cassette cannot be removed...	<ul style="list-style-type: none"> • Make sure cassette record tab is intact. (BO p. 3)
Video cassette ejects when a recording is started or the power is turned off for timer recording...	<ul style="list-style-type: none"> • 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

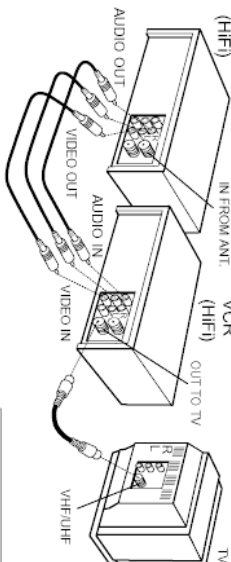
Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094
Panasonic Sales Company ("PSC"),
Division of Matsushita Electric of Puerto Rico, Inc.,
Ave. 65 de Independencia, Km. 9.5 San Gabriel Industrial Park,
Carolina, Puerto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

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S1101-0

Copying Your Tapes (Dubbing)

Connection

(Rear connection shown.)



- Connect VIDEO OUT jack on Playing VCR to VIDEO IN jack on Recording VCR.
- Connect AUDIO L/R OUT jacks on Playing VCR to AUDIO L/R IN jacks on Recording VCR.

In place of a Playing VCR, you can use other equipment, such as a Camcorder. Simply connect the unit's Audio/Video outputs to the Recording VCR.

Playing (Source) VCR

- Insert pre-recorded tape.

Recording (Editing) VCR

- Press **PLAY**, then **PAUSE/STOP** immediately to enter **PLAY/PAUSE** mode.
- Press **PAUSE/STOP** immediately to enter **REC/PAUSE** mode.
- Press **PLAY**, then **PAUSE/STOP** immediately to enter **PLAY/PAUSE** mode.
- Press **PLAY** to start dubbing. Recording VCR starts recording.
- Press **STOP** to stop dubbing.

To Monitor Dubbing on Your TV

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

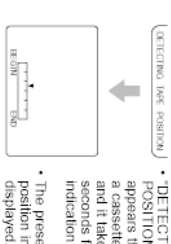
Note • Dubbing tapes protected with Copy Guard will have poor quality results.

Special VCR Features

Tape Position Display Feature

To find out the present tape position, Tape position is displayed for VHS-C Cassette type, tapes under 30 minutes, and some other tapes, but the position is not correct.

- Press **TAPE POSITION** to detect tape position.



- Press **TAPE POSITION** to return to normal screen.

Remote Warning ON/OFF Feature

If Multi-brand feature is used (page 2), and this feature is set to on, a warning appears whenever an invalid key is pressed in TV mode.

- Press **ACTION** to display menu.
- Press **▲▼** to select **REMOTE WARNING** and press **▶** to set ON or OFF.
- Press **ACTION** to return to normal screen.



Auto Shut-Off Feature

The power shuts off at a preset time.

- Press **ACTION** to display menu.
- Press **▲▼** to select **AUTO SHUT-OFF**. Press **▶** repeatedly to change shut-off time as shown below.
- Press **ACTION** to return to normal screen.



Note • The shut-off countdown will not function during Play or Record.

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

Weak Signal Display ON/OFF Feature

When set to "ON," picture is displayed regardless of signal strength.

- Press **ACTION** to display menu.



Press **▲▼** to select and display CHANNEL. Press **▶** to select **WEAK SIGNAL DISPLAY**, and press **▶** to set ON or OFF.

- ON: Picture is displayed despite signal condition an may have poor quality. Screen turns solid blue when signal is weak or non-existent.
- Selecting ON has no effect on connected equipment with blue back feature.

- Press **ACTION** to return to normal screen.

VCR Lock Feature

When set to ON, all operations except for timer record and tape eject are prohibited. Useful for households with small children.



To turn on, hold down **REC** on the VCR in stop mode with no tape inserted for 7 sec. (Please ignore the NO CASSETTE warning.)

To turn off, repeat above.



- VCR Lock cancels in 24 hours if clock is set.



