

# **Things You Should Know**

## **Congratulations**

on your purchase of one of the most sophisticated and reliable products on the market today. Used properly, we're sure it will bring you and your family years of enjoyment. Please take time to fill in the information at right. The serial number is on the tag located on the back of your VCR. You'll want to keep this manual handy as your convenient VCR information source.

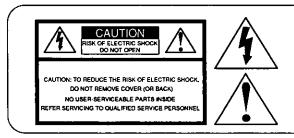
## Safety Precautions

| Date of Purchase    |  |
|---------------------|--|
|                     |  |
| Dealer Purchased Fr | om                                     |
| Dealer Address      |  |
| Dealer Phone No     | ······································ |
| Model No P          | V-4669                                 |
| Serial No           |  |

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture. This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment.

Only use those tapes with the WHS mark. It is recommended that only cassette tapes that have been tested and inspected for use in 2, 4, 6, and 8 hour VCR machines be used.

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



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

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

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# **Important Safeguards and Precautions**

#### INTRODUCTION

Careful attention has been given to this Video product to assure a quality standard devoted to your safety and enjoyment. This quality standard together with your personal responsibility for the safety of yourself and others, will contribute to your enjoyment. This Video product uses electrical energy and requires proper handling at all times.

#### CAUTION

READ AND RETAIN THE SAFETY AND OPERATING INSTRUCTIONS To make full use of the safeguards incorporated in this unit, read and follow this basic guide, adopted in part from Underwriter's Laboratories Standard 1409, Second Edition, before operating this Video product.

FOLLOW THE INSTRUCTIONS AND BE SURE TO HEED ALL WARNINGS on unit and in the manual, for easy maintenance. proper and trouble free operation of this Video product.

#### INSTALLATION

- OPERATE FROM A POWER SOURCE INDICATED on this 1.
- Video product, or in this Manual. Your Electric Utility Service Company or Video Products Dealer will be happy to verify
- the power source in your home. THE GROUNDED OR POLARIZED PLUG IS A SAFETY FEATURE 2
- This Video product may be equipped with either a polarized 2-wire AC line plug or a 3- wire grounding type plug. The two wire polarized plug (having one blade wider than the other) will fit into the power outlet only one way. If it is a three wire grounding type plug (having a third pin), it will fit into a

grounding type outlet. DO NOT DEFEAT THE SAFETY PURPOSE OF THE GROUNDED OR POLARIZED PLUG by tampering with it. If the plug does not fit fully into the socket, try reversing it. If you should still be unable to fully insert the plug into the socket, you may find that a proper outlet is needed to meet today's Electrical Standards. An electrician will replace your outlet safely. POWER SUPPLY CORDS SHOULD BE PROTECTED and

3. routed so that they are not likely to have anything rest on

them, roll over them, or be subject to walking traffic or abuse: particularly at plug-ins, convenience receptacles, or cord exit points from the unit. Where an extension is

needed, use a grounded or polarized cord. HAZARDOUS FRAYED CORDS OR DAMAGED PLUGS SHOULD BE REPLACED BY A QUALIFIED SERVICE TECHNICIAN.

OVERLOADED WALL OUTLETS AND EXTENSION CORDS PRESENT DANGEROUS RISKS OF FIRE OR ELECTRICAL SHOCK.

AVOID BLOCKING VENTILATION HOLES 4.

Your video unit has ventilation openings in its cabinet to Δ release heat generated during operation. Blocking these opening can cause heat build-up inside the unit, causing failure that may result in a fire hazard or heat damage to cassettes. For protection:

- a. Never cover the bottom ventilation slots or the unit with soft material, or operate the unit placed on a bed, sofa, rug, or soft accessory.
- b. Avoid built-in installations, such as a bookcase or rack, unless proper ventilation is provided.
- AVOID EXTREMELY HOT LOCATIONS OR SUDDEN 5.
- CHANGES IN TEMPERATURE such as placing the unit

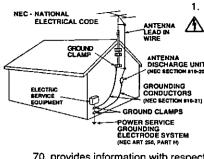
⚠ near or over a radiator, in direct sunlight, closed vehicles, or transporting it suddenly between areas of extreme temperature variation.

If the unit is suddenly moved from a cold place to a warm place, moisture may form on the tape and inside the unit. TO AVOID INJURY TO A CHILD, ADULT;



- OR COSTLY DAMAGE:
- Δ a. Do not place unsecured equipment on a sloping surface or any heavy object or unit. (Use the unit in a horizontal position and do not place
  - anything heavy on it.) b. Support for the unit should be adequately firm, level, and strong. Replace any unstable cart, table or support. 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. c. Carefully follow all operating instructions and use the manufacturer's recommended accessories when operating this unit or connecting it to any other equipment.

#### **OUTSIDE ANTENNA, EQUIPMENT, AND POWERLINE EXPOSURE**



**INSURE SAFE ANTENNA** AND CABLE CONNECTIONS If an outside antenna or cable system is connected to the equipment, be sure the ANTENNA equipment, be burg the DISCHARGE UNIT antenna or cable system is grounded so as to provide some protection against built up static charges and voltage surges. Part 1 of the Canadian Electrical Code, in USA Section 810 of the National Electrical Code, ANSI/NFPA

70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

- ELIMINATE ANTENNA PROXIMITY TO HIGH VOLTAGE POWER 2.
- SOURCES, OR CHANCE OF ACCIDENTAL CONTACT BY INSTALLER AN. An outside antenna system should be located where it will never be reached by power lines, electric light or power circuits and where it will never contact these power sources if it falls. Installer should use extreme care to avoid possible fatal contact by touching power lines, circuits or other power sources when installing an outside antenna.

#### USE

AFTER STORING OR WHEN MOVING THE UNIT, REFER TO THE INSTALLATION SECTION OF THE SAFEGUARDS. 1. DO NOT USE THIS VIDEO UNIT NEAR WATER: around bathtubs,

- Æ sinks, laundry, wet basement, swimming pool or any water source. USE ACCESSORIES RECOMMENDED ONLY BY THE ∕₽ MANUFACTURER to avoid risk of fire, shock or other hazards.
- 3. UNPLUG ALL EQUIPMENT EXPOSED TO RAIN, MOISTURE, OR STRONG IMPACT AND GET A QUALIFIED INSPECTION  $\Delta$
- If your unit has been exposed to rain, water, excessive moisture, or subjected to strong impact, unplug it and have it inspected by a service technician before use
- UNPLUG UNUSED UNIT, AND ALL EQUIPMENT DURING A STORM 4.
- During a lightning storm, when indoors or outdoors, or before ⚠ leaving unit unused for extended periods of time, disconnect all equipment from power source, antenna and cable system.
- 5. UNPLUG ALL EQUIPMENT BEFORE CLEANING. After unit has been unplugged use a dry, clean, chemically untreated cloth. Use
- Δ no cleaning fluids, aerosols, or forced air that could over-spray, or soak into the unit, and cause electrical shock. Any substance such as wax, adhesive tape, etc. may affect the cabinet surface. Exposure to greasy, humid, or dusty areas may affect internal parts.
- WHEN PLUGGED-IN: KEEP WATER AWAY; NO FINGERS INSIDE NOR ANY OBJECTS INSIDE; AND NO MAGNETS OR 6.
- 丕 ELECTRICAL INTERFERENCE NEARBY.
  - a. Never operate the unit if liquid has been spilled into it. 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.
  - b. Caution the children about dropping or pushing objects into the unit. Some parts inside carry hazardous voltages and contact can cause electric shock. Objects dropped in electrical equipment can cause fire hazards.
  - Separate the unit from any interference causing appliances. C. Placing the unit directly above or below your TV set may cause electrical interference. Keep all magnets away from electronic equipment.

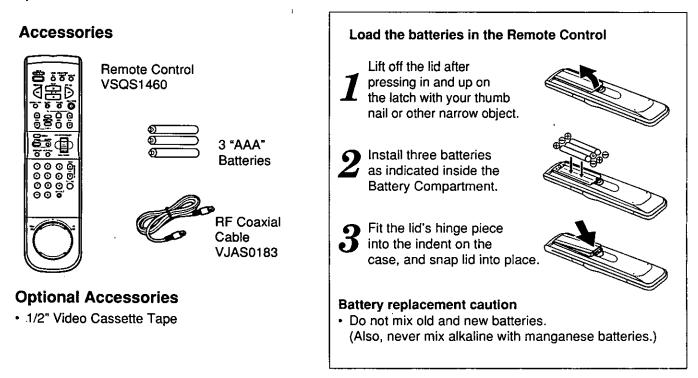
#### SERVICE

- DO NOT ATTEMPT TO SERVICE THIS PRODUCT YOURSELF. If 1.
- this Video product does not operate as described, when the detailed ⚠ Operating Instructions are followed, do not attempt to open or remove covers, or make any adjustments not described in the manual. Attempting to service this unit yourself may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. 2.
- CHECK ON REPLACEMENT PARTS REQUIRED. Be sure the service technician has used replacement parts specified by the Δ manufacturer or having the same characteristics as the original part. Unauthorized substitutes may result in fire, electric shock or other hazards.
- HAVE TECHNICIAN PERFORM SAFETY CHECK described in З. the manufacture's service literature, after any service or repairs, to ⚠ determine that the Video unit is in safe operating order.

# **Unpacking Your VCR and Features**

## **Unpacking Your VCR**

The accessories shown below are provided to help you use or set up your VCR. Optional accessories are also listed.



## **Product Features**

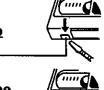
| All Channel Auto Set/181-CH TV/CATV Tuner                               | 10                        |
|---|---------------------------|
| Auto Clock Set  |                           |
| Auto Daylight Saving Time   |                           |
| Auto Operation Functions (Auto Playback, Rewind, Tape Eject, Power off) |                           |
| Auto Repeat Function  |                           |
| Digital Auto Picture  |                           |
| Easy-to-Read English/Spanish/French On Screen Displays                  |                           |
| Front-mounted A/V In Terminals  |                           |
| MTS Broadcast System (Multi-channel Television Sound-Stereo, SAP, Mono) |                           |
| Multi Brand TV/Cable Box Remote Control                                 |                           |
| One Minute Skip   |                           |
| One Month, 8 Program Timer Recording                                    |                           |
| One Touch Recording (OTR)   |                           |
| Program Director Remote Control   |                           |
| Quick Play Mechanism  |                           |
| Rapid Tune  |                           |
| Shuttle Search  |                           |
| Special Effects Playback  |                           |
| Special VCR Features (VCR Lock, Warning Beeper)                         |                           |
| VCR Plus+ Recording   |                           |
| VHS Hi-Fi Stereo System   | • •                       |
| Zero Search   |                           |
|   | · · · · · · · · · · · · · |

VCR and Cassette Information

#### Erase Protection (Record Tab)

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

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



To record again, cover the hole with <u>cellophane tape</u>.



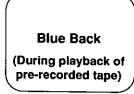
#### Maximum Record/Playback Time

Only use tapes with the WHS mark in this unit.

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

## Cleaning Care for Video Heads





Clogged Video **Head Picture** 

Blue Back Screen

#### Clogged Video Heads

While your VCR will not normally require head cleaning, however the heads may become clogged when playing an old or damaged tape. If the image on your screen resembles the illustration on the left or the screen becomes solid blue when playing back a pre-recorded signal on the tape, the heads probably require cleaning.

#### Cleaning the Heads

It is recommended that head cleaning be performed by a qualified service technician. Please contact your nearest Panasonic Service Center. An alternate solution is to obtain a head cleaning cassette. Be sure to follow the cleaning instructions carefully. Excessive use of a cleaning cassette could shorten head life. Use this cassette only when symptoms occur.

#### **Reset all VCR Memory Functions**

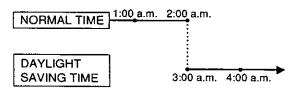
This operation is convenient when moving the VCR to a new location, or if a mistake was made in the One Time VCR Setup section. Make sure a tape is not inserted in the VCR.

- 1) Turn VCR Power on.
- 2) Press and hold both Play and Rewind buttons on the VCR for more than 5 seconds. The power will shut off.
- Perform the One Time VCR Setup section on page 10.

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

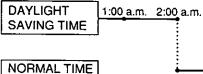
#### Spring:

First Sunday in April (DAYLIGHT SAVING TIME:AUTO) Automatically adds one hour and adjusts the clock.



#### Autumn:

Last Sunday in October (DAYLIGHT SAVING TIME: AUTO) Automatically turns back one hour and adjusts the clock.

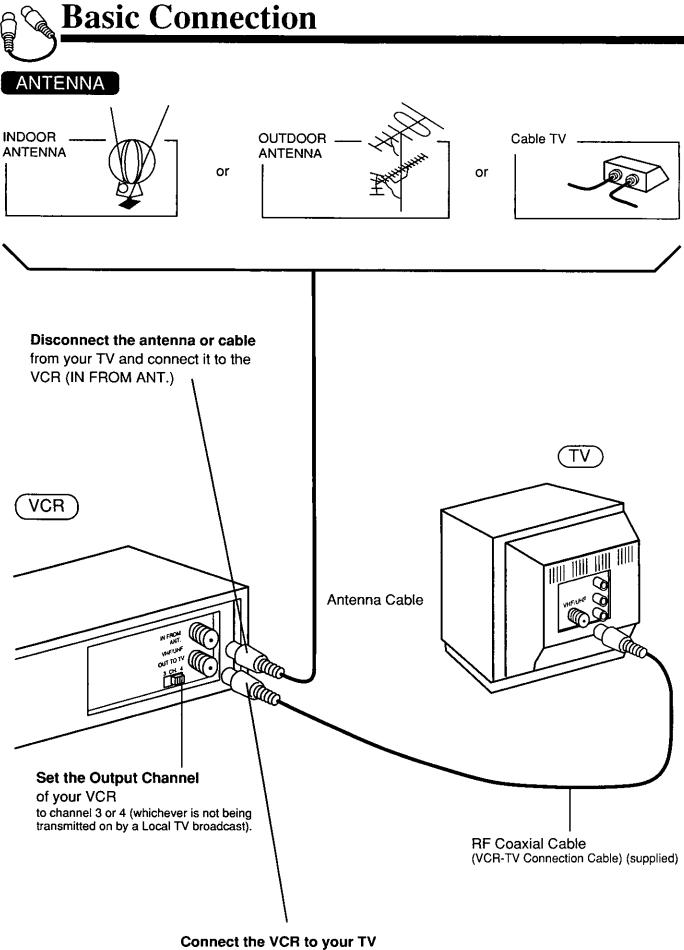


**Product Specifications** 

without notice.

1:00 a.m. 2:00 a.m.

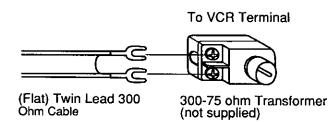
| Froduct Specifications  |                                 |  |
|-------------------------|---------------------------------|--|
| Power Source:           | 120V AC, 60 Hz                  |  |
| Power Consumption:      | Approx. 23 watts(Power on)      |  |
| -                       | Approx. 7 watts(Power off)      |  |
| Video Signal:           | EIA Standard NTSC color         |  |
| Video Recording System: | 4 rotary heads helical          |  |
|                         | scanning system                 |  |
| Audio Track:            | 1 track (Normal)                |  |
| _                       | 2channel (Hi-Fi Audio Sound)    |  |
| Tuner:                  |                                 |  |
| Broadcast Channels:     | VHF 2~13, UHF 14~69             |  |
| CATV Channels:          | Midband A through I (14~22)     |  |
|                         | Superband J through W           |  |
|                         | (23~36)                         |  |
|                         | Hyperband AA~EEE (37~64)        |  |
|                         | Lowband A-5~A-1 (95~99)         |  |
|                         | Special CATV channel 5A (01)    |  |
| Operating Termeneture   | Ultraband 65~94, 100~125        |  |
| Operating Temperature:  | 41°F~104°F (5°C~40°C)           |  |
| Operating Humidity:     | 10%~75%                         |  |
| Weight:<br>Dimensions:  | 8.2 lbs. (3.7Kg)                |  |
| Dimensions:             | 14-3/16" (W) X 3-1/2" (H) X     |  |
|                         | 11-1/4" (D)                     |  |
|                         | 360 (W) X 89 (H) X 285 (D) mm   |  |
| Note: Designs and speci | fications are subject to change |  |



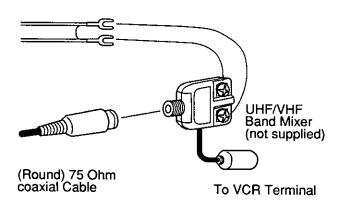
with the RF Coaxial Cable (OUT TO TV).

#### Between Antenna and VCR

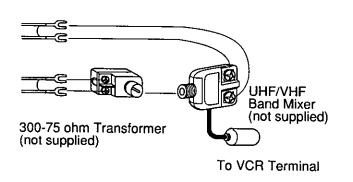
#### Case 1: Twin Lead Cable Only



#### **Case 2: Twin Lead & Coaxial Cables**



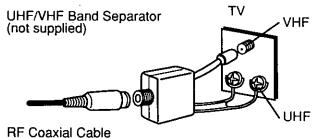
#### **Case 3: Two Twin Lead Cables**

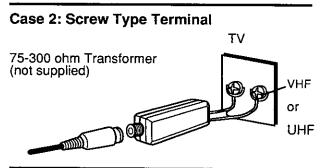


 If your TV has both post and screw-type VHF terminals, using the post connection is recommended to minimize signal loss.

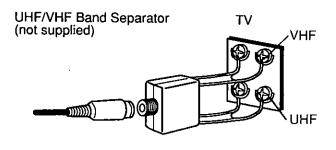
#### Between VCR and TV

#### Case 1: Screw & Plug Type Terminal



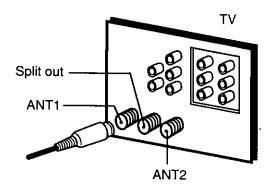


**Case 3: Double Screw Type Terminal** 



**Case 4: Complex TV Terminal** 

TERMINALS ON BACK OF TV SET

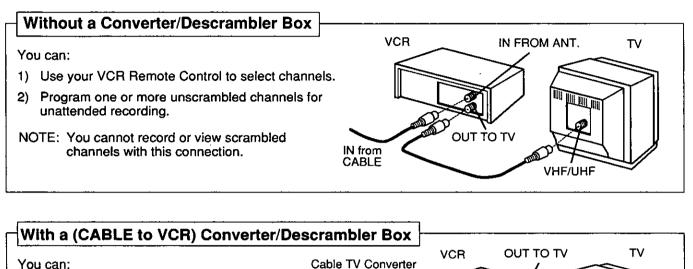


• Connect to one of the ANT terminals and select the same antenna number on the TV.

# **Additional Connections**

## **CATV(Cable)** Connections

All connections on this page are made with 75 Ohm coaxial cables.



Box

IN from

CABLE

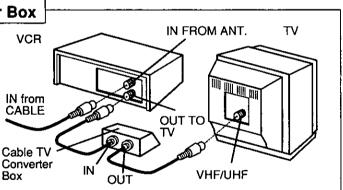
#### You can:

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

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

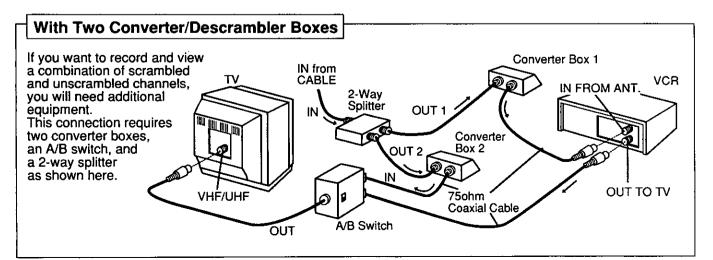
#### You can:

- 1) Use your VCR Remote Control to select channels.
- 2) Program unattended recordings of more than one unscrambled channel.
- NOTE: You cannot record scrambled channels with this connection.



VHF/UHF

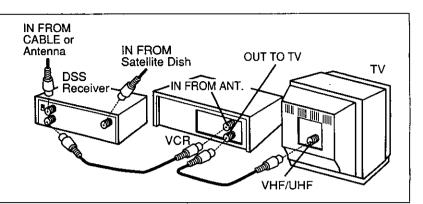
IN FRÔM ANT.



#### With a DSS Receiver

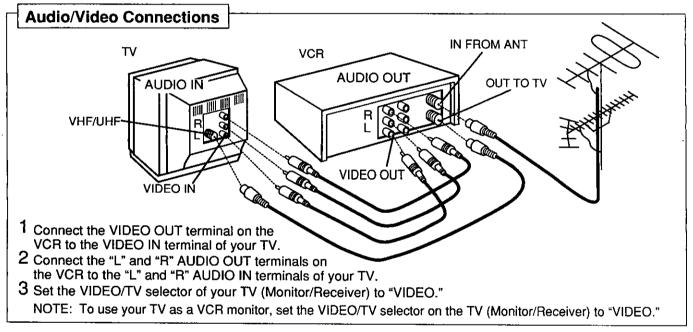
#### You can:

- Record and view any channel including scrambled channels; channel selection must be made at the DSS Receiver.
- 2) Program one channel for unattended recording.
- NOTE: The DSS receiver must be turned off to view programs from a cable box or antenna. See the DSS manual for details.



#### Audio/Video Connections

If your TV has AUDIO IN and VIDEO IN terminals, you can connect your VCR to them to receive a higher quality picture and sound. The antenna-VCR and VCR-TV connection is as shown.



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

\*\*DSS<sup>®</sup> is a registered trademark of DIRECTV, INC., a unit of GM Hughed Electronics.

Note to CATV system installer:

This reminder is provided to call the CATV 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.



When the VCR power is first turned on, the language select and channel auto set screen appear automatically followed by a prompt to set the clock.

(See pages 6~9.)

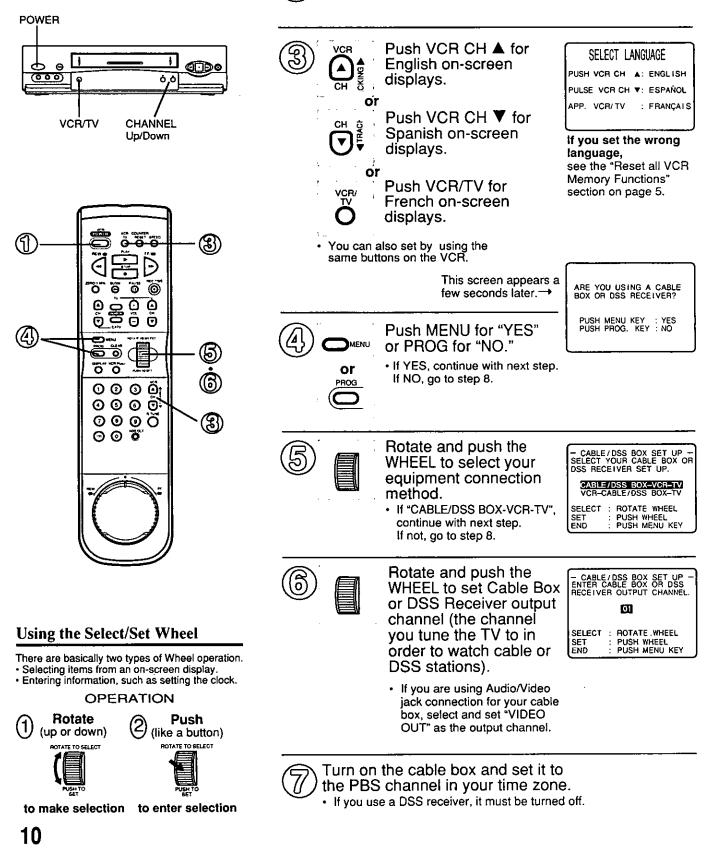
Check list before you begin. All TV and VCR connections are made.

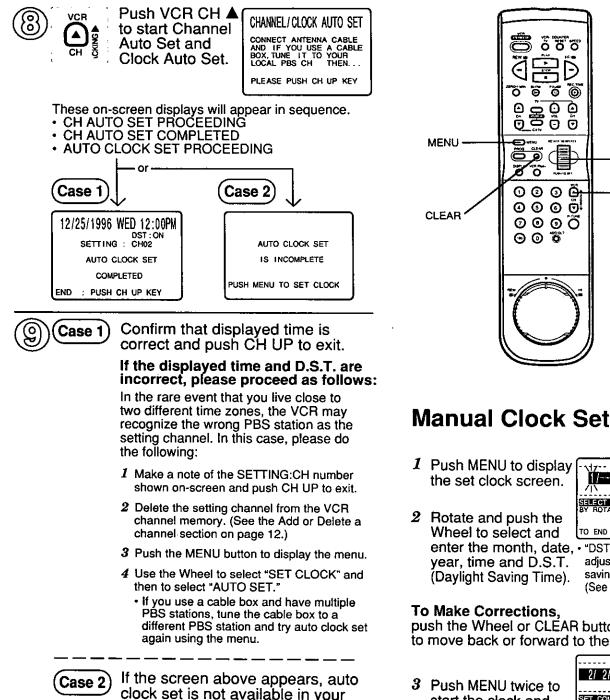
## To Set Language, Channel and Clock

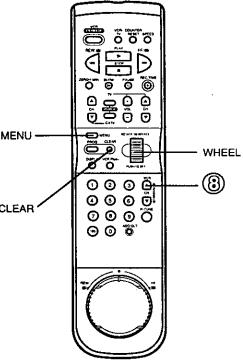


Turn TV on and VCR on.

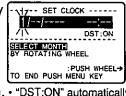
TV is set to VCR channel (the Same one you set on the back of the VCR CH3 or CH4.) (See page 6.)







- 1 Push MENU to display the set clock screen.
- 2 Rotate and push the Wheel to select and enter the month, date, . "DST:ON" automatically year, time and D.S.T. (Daylight Saving Time).



adjusts for daylight saving time. (See page 5.)

To Make Corrections, push the Wheel or CLEAR button repeatedly to move back or forward to the desired item.

3 Push MENU twice to start the clock and exit this mode.

| SET CLOCK<br>2/ 2/ 1996 FRI 1:30PM<br>DST:ON                    |
|---|
| SET COMPLETED   |
| TO CORRECT<br>PUSH WHEEL OR CLEAR KEY<br>TO START PUSH MENU KEY |

#### IMPORTANT NOTE FOR AUTO CLOCK SET:

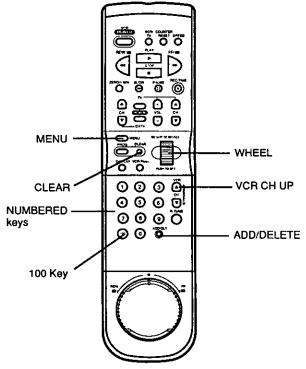
as described at right.

- · Auto clock set will be performed when the VCR is turned off the first time each day. If you use a cable box and you want auto clock set to be performed, the cable box must be left on and tuned to the PBS channel before the VCR power is turned off.
- If you use a DSS receiver, it must be turned off for auto clock set.

area. Please set the clock manually

 If you use Audio/Video Jack connection between the VCR and Cable Box or DSS receiver, you must also connect the RF coaxial cable in order to use the auto clock set and channel auto set features.

# **One Time VCR Setup (continued)**



#### To Change On Screen Display Language

- **1** Push MENU to display the menu.
- 2 Rotate the Wheel to select the language selection item. (English: LANGUAGE, Spanish: IDIOMA, French: LANGUE)

|                   | ···· MENU ·····                                       |
|-------------------|---|
| SET               | UP VCR<br>CLOCK<br>UP CHANNEL<br>JMAY LANGUE: ENGLISH |
| elect<br>et<br>ND | : ROTATE WHEEL<br>: PUSH WHEEL<br>: PUSH MENU KEY     |

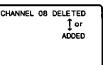
- 3 Push the Wheel to change the language.
  - · Each Push will change the language in the order shown.



4 Push MENU to exit this mode.

#### To Add or Delete a Channel

1 Select a channel using the NUMBERED keys.



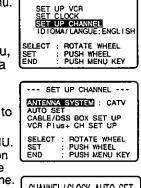
- 2 Push ADD/DLT to add or delete the channel.
  - To select a deleted channel, use the NUMBERED keys on the remote control. Deleted channels will flash in the Multi Function Display on the VCR when selected.

## I Push MENU to display the menu.

2 Use the Wheel to select SET UP CHANNEL from menu, and then to set your antenna system (TV or CATV).

To Replace Channels in Memory Example, if you have cable installed, etc.

- 3 Rotate and push the Wheel to select and set AUTO SET.
  - · To exit this mode, push MENU. • If you use a cable box, turn on
  - the cable box and set it to the PBS channel in your time zone. CHANNEL/CLOCK AUTO SET
- 4 Push CH UP to start Char Auto Set.
  - Auto Clock Set is always performed when replaced channels in memory.



---- MENU -----

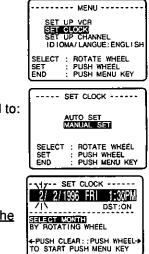
|      | UNANNEL/ ULUUN AUTU SET  |
|------|--|
| nnel | CONNECT ANTENNA CABLE<br>AND IF YOU USE A CABLE<br>BOX, TUNE IT TO YOUR<br>LOCAL PBS CH THEN |
| I    | PLEASE PUSH CH UP KEY  |

#### To Set or Reset the Clock

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

- 1 Push MENU to display the menu.
- 2 Rotate and push the Wheel to: (A) Select SET CLOCK (B) Select MANUAL SET (C) Set the date, time, and D.S.T. (Daylight Saving
- 3 Push MENU twice to start the clock and exit this mode.

Time).



#### When Using the 100 key

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

- **JOTE**
- · This VCR will accurately maintain its calendar up to Dec. 31, 2014, 11:59PM.

Normal TV or Cable channels are automatically selected and placed in memory depending on how your VCR is hooked up. By pushing the Wheel or CLEAR button repeatedly, you can skip forward or backward over correct entries and go directly to a specific item.

#### **Channel & Function Display**

Whenever the channel is changed, the Channel number followed will appear for a few seconds on-screen. (Some station names may also appear.)

When a function button is pushed (PLAY, FF, etc.) the VCR mode will be displayed.

I Push MENU to display

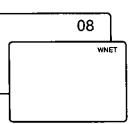
2 Rotate and push the wheel

to make your selection

Menu Screen

the menu.

(see page 10).



----- MENU ------

SET UP VCR SETECEOCK SET UP CHANNEL ID IOMA/LANGUE:ENGLISH

ROTATE WHEEL

PUSH WHEEL PUSH MENU KEY

ELECT :

SET

#### Warning and Instruction Displays

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

If no active channels are found for CHANNEL MEMORY ....

If you attempt to set or review a Timer Recording and the Clock is not set...

If a Timer Program was not

completed before exiting

the Program mode ...

NO CH FOUND PLEASE CHECK ANTENNA CABLE CONNECTION THEN PUSH VCR CH UP KEY AGAIN

PLEASE SET CLOCK BEFORE PROGRAMMING

PROGRAM IS INCOMPLETE

After a Timer Program has been set...

| <u> </u> |  |  |  |
|----------|--|--|--|
|          |  |  |  |
|          |  |  |  |

TURN VCR OFF

If you Push REC on the remote control or REC and PLAY on the VCR. and a cassette is inserted with no record tab ...



If you Push PLAY, FF, REW,

| ·                        |
|--------------------------|
| NO CASSETTE              |
| PLEASE INSERT & CASSETTE |
|                          |
|                          |

If you Push POWER or STOP during a Timer Recording... (visible in VCR mode only)



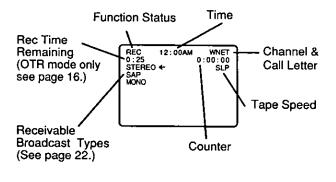
or REC on the remote control or if you push REC and PLAY, PLAY, FF, REW, or REC on the VCR without a cassette inserted...

TO CANCEL TIMER REC PUSH POWER THEN STOP KEY

VCR Status & Clock Display

· To get the most from each feature, it is recommended that you read the Operation Manual before attempting any operation.

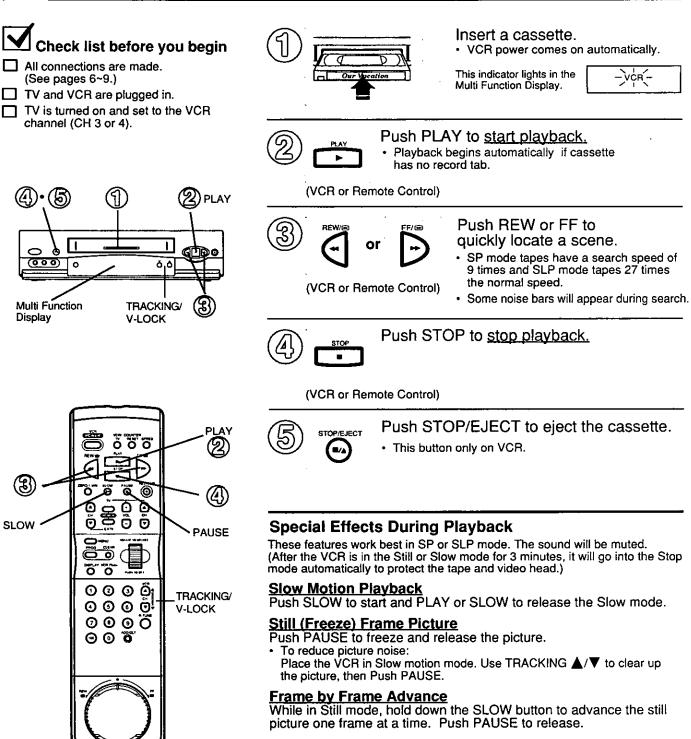
Push DISPLAY to display and remove the overlay shown below.



#### Blank Tape and will be Blue Screen

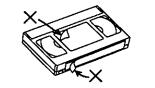
If a blank section of tape is encountered in the Play mode or the channel you select has no broadcast, the TV screen will change to a solid blue field. The screen will remain blue until a recorded signal is again detected or an active channel is selected.

# Playback a Tape



#### Caution:

Please inspect your cassette tape for any loose or peeling labels as it may become jammed in your unit.



#### Feature for a Quality picture

#### **Digital Auto Picture**

This feature automatically controls the video output signal for less noise depending on the tape condition.

#### **Digital Auto Tracking**

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

#### Manual Tracking Control

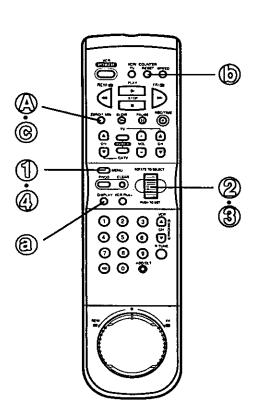
Use during Playback and Slow Motion mode to reduce picture noise. Push VCR CH (TRACKING) ▲/▼ buttons until the picture clears up. To return to Auto Tracking mode, push VCR POWER off and then on again.

#### V-Lock Control

In Still mode, the VCR CH (TRACKING)  $\blacktriangle/ \lor$  buttons operate as a V-Lock control to reduce jitter. Push  $\blacktriangle/ \lor$  until the picture is stabilized.



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



#### Auto Operation Functions

#### Auto Playback

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

#### Auto Rewind

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

#### Playback Auto Eject

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

#### Memory Rewind Off

When the POWER button is pushed during rewind, the VCR will turn off after rewind is complete.

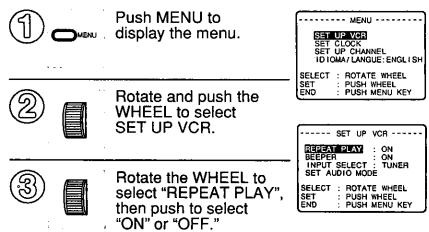
#### Eject Cassette

A cassette may be ejected with power on or off.

\* For record tab information, see page 5.

## **Repeat Play**

You can set your VCR up to play a recording over and over.



The VCR plays to the end of a tape, or until a blank portion of 30 seconds or more is reached. (Erased portions of tape are not considered blank.) The tape is then automatically rewound and played again and again until Repeat Play is cancelled. All function buttons (REW, FF, etc.) are operational during Repeat Play.

> Push MENU twice to leave this screen.

## **One Minute Skip**

With this feature, you can skip over commercials recorded on a tape.

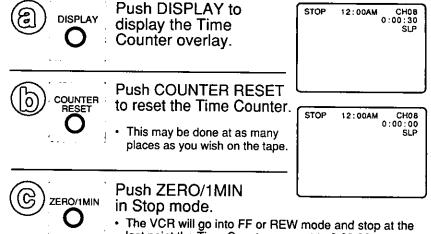


Push ZERO/1MIN in Play mode.

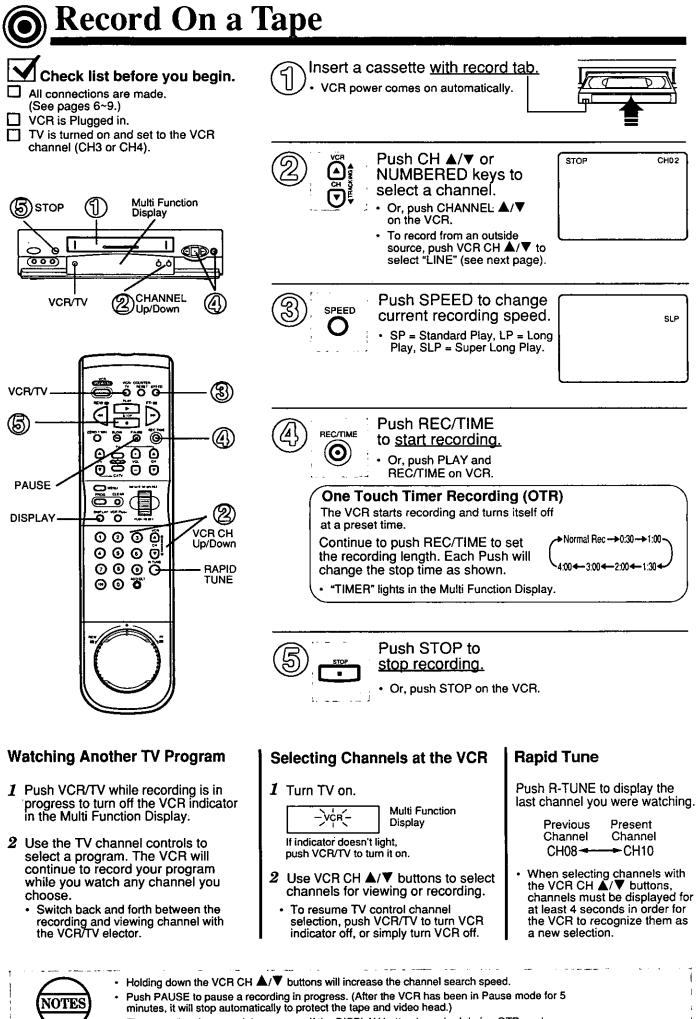
 The VCR will go into FF search mode and skip over 60 seconds of recorded time. Then, normal playback will resume.

## Zero Search

You can reset the Time Counter to zero and then return to that point.



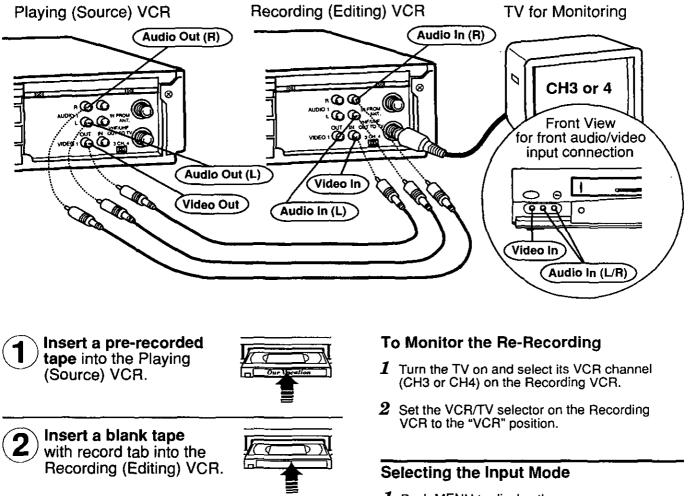
last point the Time Counter was set to 0:00:00.



- The recording time remaining appears if the DISPLAY button is pushed during OTR mode.
- 16

# Copying Your Tapes (Dubbing)

#### Connections you'll need to make. (Choose front or rear connection.)



Select Input "LINE" on the Recording (Editing) VCR.



**Push PLAY** on Playing VCR. **Push PAUSE** at the point you want to start copying.

(See "Selecting the Input Mode" at right.)

5

Push REC and PLAY <u>at the</u> same time on Recording VCR. Push PAUSE immediately.

Push PAUSE on both VCRs (at the same time), to begin copying.

#### **Edit Out Unwanted Parts**

of the original recording by using the PAUSE button (on the Recording unit) while copying is in progress.

| (                | - |
|------------------|---|
| $\left( \right)$ |   |

Push STOP on both VCRs to stop copying.

# Push MENU to display the menu.

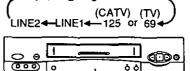
- **2** Rotate and push the Wheel to select SET UP VCR.
- 3 Rotate the Wheel to select "INPUT SELECT", and then push to choose TUNER or LINE (LINE1 or LINE2).
- MENU SET UP VGB SET CLOCK SET UP CHANNEL IDIOMA/LANGUE:ENGLISI SELECT: ROTATE WHEEL SET : PUSH WHEEL END : PUSH MENU KEY ......SET UP VCR REPEAT PLAY : ON BEEPER : ON

ROTATE WHEEL

: PUSH WHEEL : PUSH MENU KEY

- LINE1: For rear audio/video connection. LINE2: For front audio/video connection.
- You can also select "LINE1" or "LINE2" using the VCR CH ▲/▼ buttons.

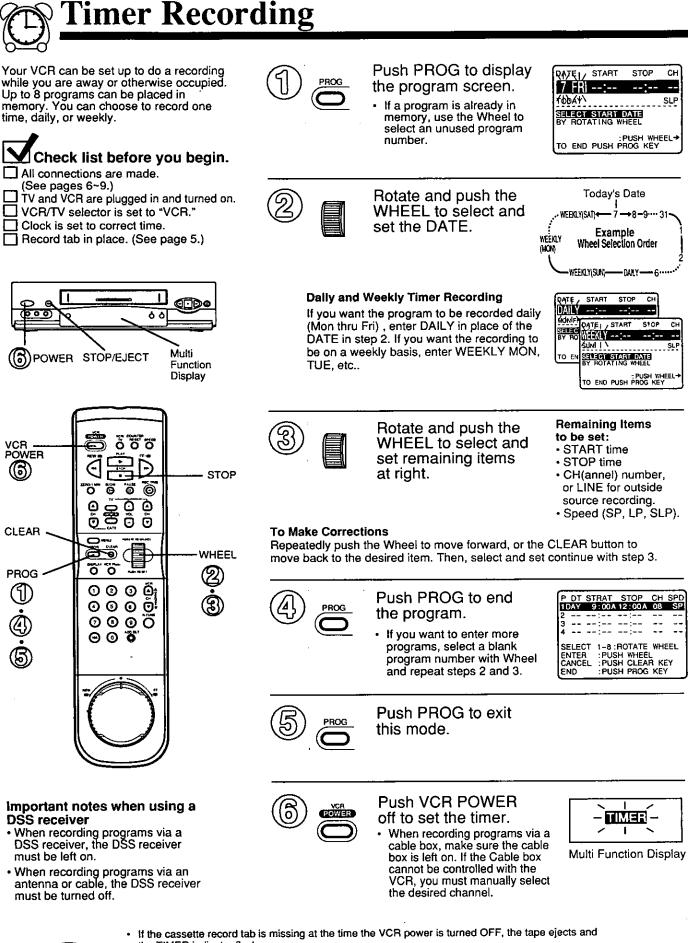
The numbers will change in the order shown. 1 - 2 - 3



• When LINE is selected, "L1" or L2" is displayed in the Multi Function Display for about 4 seconds.

#### Caution:

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





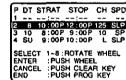
- If the cassette record tab is missing at the time the VCR power is turned OFF, the tape ejects and the TIMER indicator flashes.
- If the start times of two programs overlap, the lower numbered program will have priority.
- If the start time for a timer recording comes up during a normal recording or One Touch Recording (page 16), the timer recording will not be performed.
- If there is a power interruption of more than one minute, the recording may not be performed or continue.
- If "PROGRAM IS INCOMPLETE" appears on-screen in step 4, check all entries and make necessary corrections.

#### Cancel a Timer Recording: Recording <u>is</u> in progress

- 1 Push the VCR POWER button to release the VCR from timer mode.
- 2 Push the STOP button within 10 seconds of pushing the VCR Power button to cancel the recording. The TIMER indicator goes out in the Multi Function Display.

#### Replace Program Contents: Recording <u>is not</u> in progress

 Push the PROG button to display all currently set programs.



START STOP

8 SAT 10:00P 12:00P 125

PUSH CLEAR : PUSH WHEEL TO END PUSH PROG KEY

SELECT START DATE BY ROTATING WHEEL CH

SLF

•

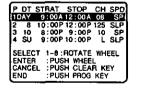
•

- 2 Rotate and push the Wheel to select and enter the desired timer recording. (See page 18.)
- **3** Rotate and push the Wheel to select and enter replacement information.

4 Push the PROG button to exit this mode and return to the normal TV screen.

#### Review or Clear Program Contents: Recording <u>is not</u> in progress

- Push the PROG button to display all currently set programs.
- 2 Rotate the Wheel to select the desired program number.
- 3 Push the CLEAR button to clear the program.

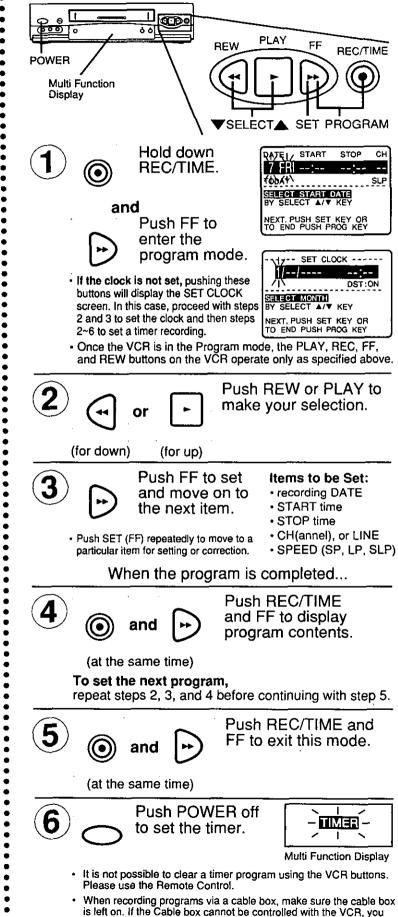




4 Push the PROG button to exit this mode and return to the normal TV screen.

# Timer Recording

A timer recording can be set up using the buttons on the VCR. If necessary, the clock can also be set.



must manually select the desired channel.

**Special VCR and Remote Features** 



#### All connections are made.

(See pages 6~9.)

STOP/EJECT

000 0

1

- VCR is Plugged in. TV is turned on and set to the VCR
- channel (CH3 or CH4).

δÔ

## VCR Lock Feature

When activated, this feature prohibits all operations except for timer recording, and tape eject. This is useful to prevent misoperation and protect your VCR from curious children.



Hold down STOP/EJECT on the VCR for 7 seconds during Stop, or Power OFF mode.

VCR LOCK ACTIVATED

#### To cancel the VCR Lock feature,

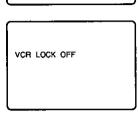


0

NOTES

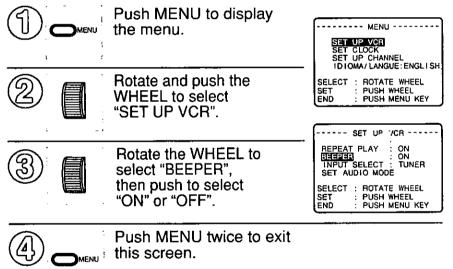
Hold down STOP/EJECT on the VCR for 7 seconds again during Stop, or Power OFF mode.

VCR Lock mode is cancelled automatically after 24 hours when the clock is set.



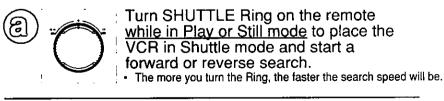
## Warning Beeper Feature

When you select BEEPER ON as described below, a short warning will sound each time an invalid entry or operation is made and a timer program is set.



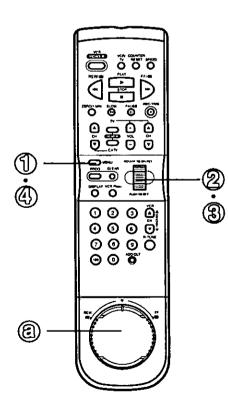


The SHUTTLE Ring allows you to smoothly control the tape speed during special effects playback in both forward or reverse.



Push a function button such as: PLAY, STOP, etc.on the VCR or remote to release the Shuttle mode.The VCR performs the function of the button pushed.

When the SHUTTLE Ring is turned more than half way in Stop mode, normal Fast Forward or Rewind will begin.
Some noise bars are normal during Shuttle operation.
After 3 minutes in Still or Slow, the VCR will go into Stop mode.
When the SHUTTLE Ring is released, the VCR goes into Still mode.



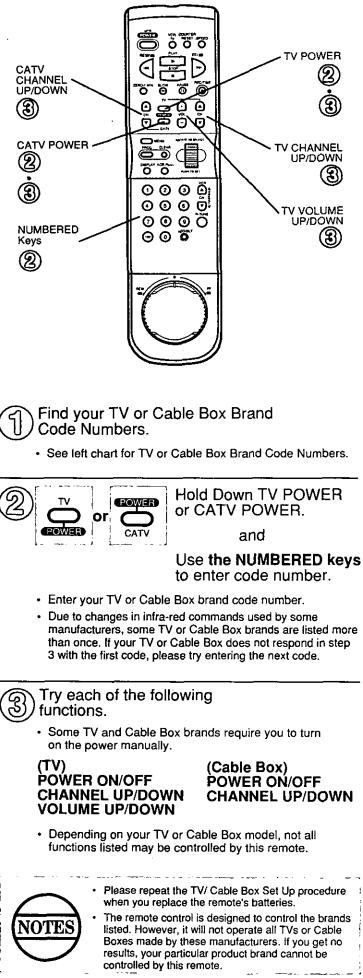
**Multi-Brand Control Feature** 

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

| TV Brand | Code | Numbers |  |
|----------|------|---------|--|
|----------|------|---------|--|

| I v Brand Code Numbers |            |
|------------------------|------------|
| Panasonic              |            |
| Quasar                 | 01, 02     |
| RCA                    | 03         |
| GE                     | 03         |
| Zenith                 | 04         |
| Magnavox               | 05         |
| Sylvania               |            |
| Sharp                  | 06, 07     |
| Sony                   |            |
| Toshiba                |            |
| Sanyo                  |            |
| Fisher                 |            |
| JVC                    |            |
| Hitachi                |            |
| Mitsubishi             |            |
| Samsung                | 14         |
| Gold Star              | 15, 16, 17 |

|                          |                           |            |             | _                       |           |            |
|--------------------------|---------------------------|------------|-------------|-------------------------|-----------|------------|
| Cable Box Brand          | Code                      | ) N        | um          | be                      | rs        |            |
| Archer                   |                           |            |             |                         | _         | 01         |
| Cableview4,              | 20 42                     | 44         | 23,         | 63                      | 00,<br>95 | 91<br>90   |
| Citizen4,                | 30, 72,<br>30 <i>4</i> 2  | <u>,</u>   | 52,         | 63                      | 95,<br>95 | 20         |
| Curtis                   | 50, <del>4</del> 2,<br>Ng | <u></u> ,  | 52,         | 61                      | 97        | 00         |
| Diamond                  |                           | 09,        | 20,         | 44                      | 07,       | 90         |
| Drake                    | ••••                      | .01,       | 29,         | 44,                     | 00,       | 31         |
| Eagle13,                 |                           |            | 40          |                         |           | .37        |
|                          |                           |            |             |                         |           |            |
| Eastern                  |                           |            |             |                         |           | .28        |
| GC Brand4,               | 30, 42,                   | 44,        | 52,         | 63,                     | 85,       | 88         |
| Gemini                   |                           | •••••      |             | •••••                   | .04,      | 85         |
| General Electric         | <i>.</i>                  | •••••      |             |                         |           | .57        |
| General Instruments      |                           |            |             |                         |           |            |
| 01, 02, 03, 04,          | 34, 55,                   | . 83,      | 85,         | 91,                     | 93,       | 95         |
| Hamlin                   |                           |            |             |                         |           |            |
| Hitachi                  |                           |            |             |                         | .31,      | 79         |
| Jerrold 01, 02, 03, 04,  | 34, 55,                   | 83         | 85,         | 91,                     | 93,       | 95         |
| Macom                    |                           |            |             |                         | .31       | 79         |
| Magnavox                 |                           |            |             |                         | .25       | 26         |
| Matsushita               |                           |            |             |                         | .16       | 17         |
| Movietime                |                           |            |             | 32                      | 38        | 40         |
| Movietime                | . 29                      | 32         | 39          | 42                      | 44        | 88         |
| NSC                      |                           |            |             |                         |           |            |
| Oak                      |                           |            |             |                         |           |            |
| Panasonic                |                           |            |             |                         |           |            |
| Philips                  |                           | 42         | <br>^C      |                         | 24        |            |
| Pioneer                  | •••••                     | . 13       | 20,         | 23,<br>05               | 06        | , 90<br>70 |
| Pulser4,                 | 20 42                     |            | E0          | .00,<br>62              | 00        | , 70       |
| RCA                      | 30, 42,                   | , 44,      | , oz,       | 63,                     | . 00,     | 17         |
|                          |                           |            |             |                         |           |            |
| Realistic<br>Regal       |                           | •••••      | •••••       | •••••                   | .44       | , 88       |
|                          |                           |            |             |                         |           |            |
| Regency                  |                           |            | •••••       |                         | •••••     | .28        |
| Rembrandt                |                           | , 32       | , 39,       | , 42,                   | 44,       | , 88       |
| Samsung                  |                           |            |             |                         |           |            |
| Scientific Atlanta       |                           |            |             |                         |           |            |
| Sheritech                |                           | •••••      |             |                         |           | .27        |
| SŁ Marx                  |                           | .32        | , 40,       | 42,                     | 78,       | 94         |
| Sprucer                  |                           |            |             |                         |           |            |
| Stargate                 | <b>,</b>                  | .32        | . 40,       | 42,                     | 78        | 94         |
| Stargate4,               | 30, 42,                   | 44         | 52          | 63.                     | 85.       | 88         |
| Sylvania                 |                           |            |             |                         |           | .19        |
| Telecaption              |                           |            |             |                         | 77        | 92         |
| Teleview                 |                           | .32        | 40          | 42                      | 78        | 94         |
| Texscan                  |                           |            |             | ,                       | 18        | 19         |
| Texscan<br>Tocom         | 01 33                     | 34         | 42          | 48                      | 40        | 01         |
| Toshiba                  | 01,00                     | , 04       | ,           | , 40,                   |           | 36         |
| Unika                    |                           | <u>01</u>  | 20          |                         |           | .00        |
| Universal                |                           | .01        | , 29,<br>11 | , <del>44</del> ,<br>50 | ,00       | , 91       |
| Universal<br>Viewstar13, |                           | , 43<br>00 | , 44,       | , 54,<br>56             | , 03      | , 88       |
| Viewstar                 | 20, 22,                   | , 26       | , 40,       | , 58,<br>67             | 02        | , 98       |
| Videoway                 |                           | •••••      | •••••       | .07,                    | , 23.     | , 50       |
| Zenith                   | <u></u>                   |            |             | .07,                    | . 23      | , 50       |
|                          |                           |            |             |                         |           |            |

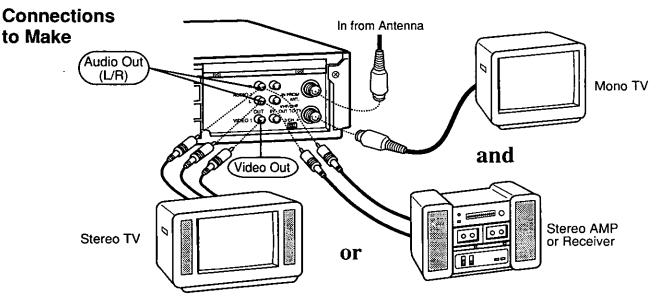


MTS Broadcast/ VHS Hi-Fi Stereo System

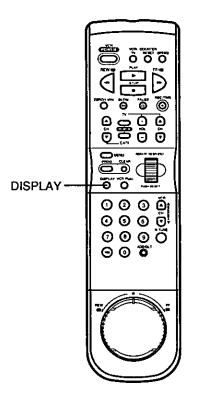
## ů ů © ©

#### Check list before you begin

The VCR is connected to a stereo TV, or a mono TV and stereo amp or receiver with speakers.
 The VCR and other components are plugged in and turned on.



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



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

## **Receivable Broadcast Types**

The following are possible broadcast types with their accompanying on-screen displays. The signal(s) not being received is enclosed in parenthesis. The currently selected audio mode is indicated with an arrow. To change the audio mode for listening to, or recording these broadcasts, follow the steps on page 23.

Push DISPLAY to display the broadcast signal currently being received on-screen.

STOP

SAP MONO

STOP

STOP

MONO

STOP

SAP) MONO

(STEREO)

(STEREO)

STEREO « (SAP) MONO

STEREO +

CH08 0:00:00

CH08 0:00:00 SLP

CHOR

SLE

0:00:00

0:00:00 SLP

SLP

12:00AM

12:00AM

12:00AM

12:00AM

#### MTS Stereo and SAP broadcast

Multi-channel Television Sound Stereo (main language) and Second Audio Program (second language) broadcasts are being received simultaneously. Select the STEREO or SAP audio mode as desired.

#### MTS Stereo broadcast

Multi-channel Television Sound Stereo broadcast is being received.

#### SAP broadcast

Second Audio Program (second language) broadcast is being received. Select SAP audio mode for the second language.

#### MONO broadcast

Normal monaural sound broadcast is being received.

- If a stereo broadcast is weak and the display flickers, you
  may want to select the MONO audio mode for better results.
- When MONO is selected as the audio mode, STEREO and SAP will appear in parenthesis regardless of whether these signals are being received or not.
- When recording, the currently selected broadcast sound is always recorded on the left and right Hi-Fi tracks as well as the normal monaural track. This means your tapes can be played back on Hi-Fi as well as non-Hi-Fi VCRs.

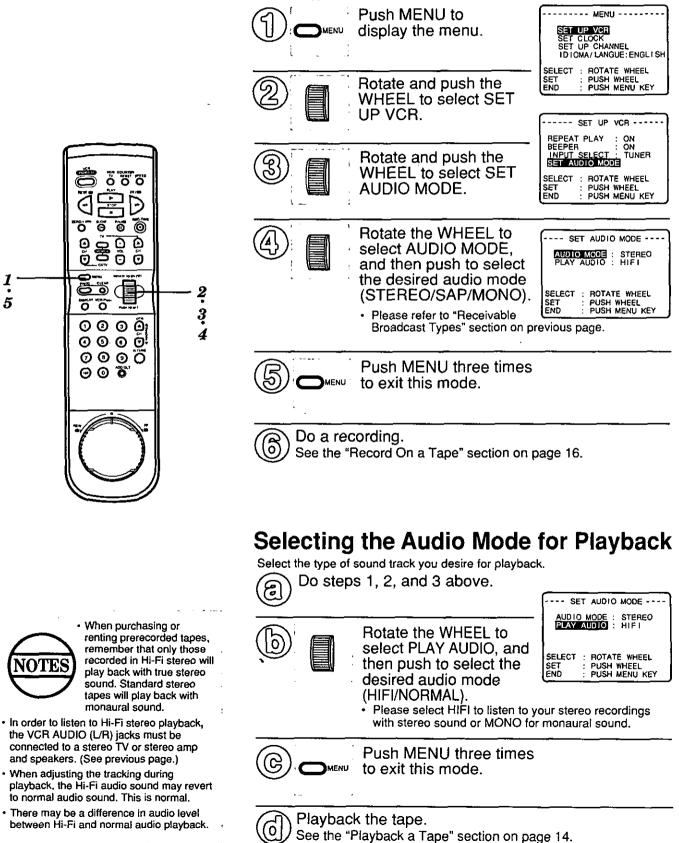
#### With the proper audio mode setting, your VCR can:

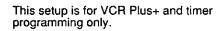
- 1) record and playback an MTS stereo broadcast (main language) in stereo Hi-Fi.
- 2) record and playback a monaural broadcast (main language) or Second Audio Program (second language)
- on the Hi-Fi tracks for better quality monaural sound.
- 3) playback non Hi-Fi tapes in monaural.

1 5

## Selecting the Audio Mode for Recording

Select the type of broadcast and sound track you wish to record.



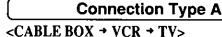


In order for your VCR to do a VCR Plus+ recording (see top of page 25 for explanation of VCR Plus+), or a timer recording of cable stations, some setup is required. At first, find the antenna or cable connection that matches yours. Then, follow the instructions below your connection.

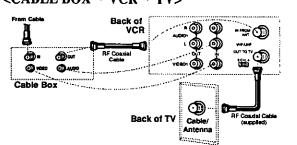
VCR Plus+ Set Up

#### Choose your Connection Type

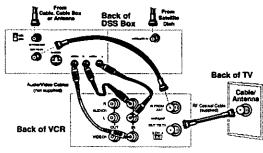
(Then, follow the instructions under the diagram.)



CR Philitze

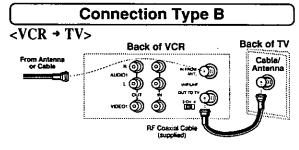


#### <ANT/CABLE BOX → DSS BOX → VCR → TV>

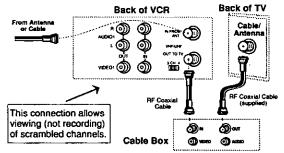


If your system looks like this diagram, do the following.

- 1. Complete the "Cable Box Set Up" section at right.
- 2. Skip page 25 and go directly to page 26 for VCR Plus+ Programming.

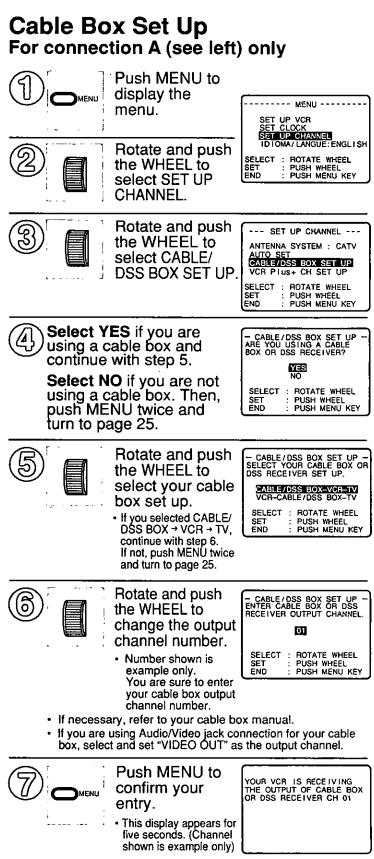


<VCR → CABLE BOX → TV>



If your system looks like one of these, do the following.

- Skip the "Cable Box Set Up" section at right and turn to page 25.
   Complete the "VCR Plus+ Channel Set
- Up" section on page 25. 3. Turn to page 26 for VCR Plus+ Programming.

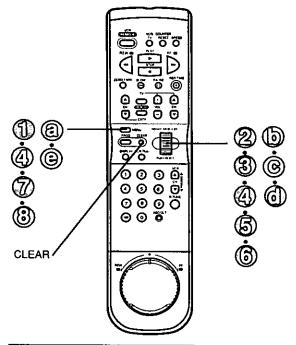


0 MENU

Push MENU twice to return to the normal screen.

Then, go directly to VCR Plus+ Programming on page 26.

VCR Plus+ programming allows you to set most items of a timer recording by simply entering a special code found in *TV GUIDE* magazine as well as the TV listings in selected newspapers. In order for the VCR to read this special code, some set up is required. A Guide (VCR Plus+) channel number is assigned to each local broadcast and cable station. Because this number sometimes differs from the channel your TV receives the station on, it is necessary to program the VCR with local channel information.



#### **Channel Set Up Preparations**

## NOTE: Complete the steps on this page if your VCR hook-up resembles "B" on page 24.

**Prepare a list like the example below.** This list will help you smoothly enter the information needed in step "d" at right.

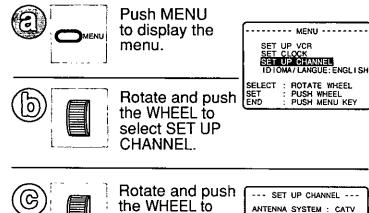
#### You will need the following to complete the list:

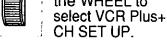
- A line up of normal and/or cable stations you receive along with the channel numbers your TV receives them on. A cable channel line-up chart is supplied by your cable company.
- A list of Guide (VCR Plus+) channel numbers assigned to the stations you receive. This list is available in *TV Guide* and the TV listings found in selected newspapers.
- 1 Make a chart with 3 columns like the example below. In the left column, fill in the name or call letters of the stations you receive.
- 2 In the middle column, fill in each station's assigned Guide (VCR Plus+) number found in TV Guide, newspapers, etc.
- 3 In the right column, fill in the channel number that your TV receives the station on from your channel line-up.

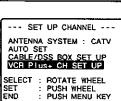
EXAMPLE ONLY

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

## VCR Plus+ Channel Set Up (For connection B on page 24 only)

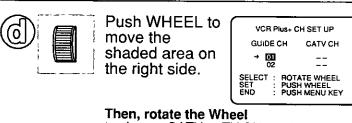






#### IMPORTANT NOTE:

For this step, use the list you prepared. You may leave lines blank if, you don't receive that station, or the GUIDE CH number and the CATV (or TV) CH numbers are the same.



to change CATV or TV CH number. Next, push the Wheel

to enter CATV or TV CH number.

Now, rotate the Wheel to continue. Repeat this operation until the list is complete.

#### **To Make Corrections**

Rotate and push the Wheel to select the incorrect CATV or TV CH number. Then, Push CLEAR to delete the numbers. Now, use the Wheel to re-enter the channel.



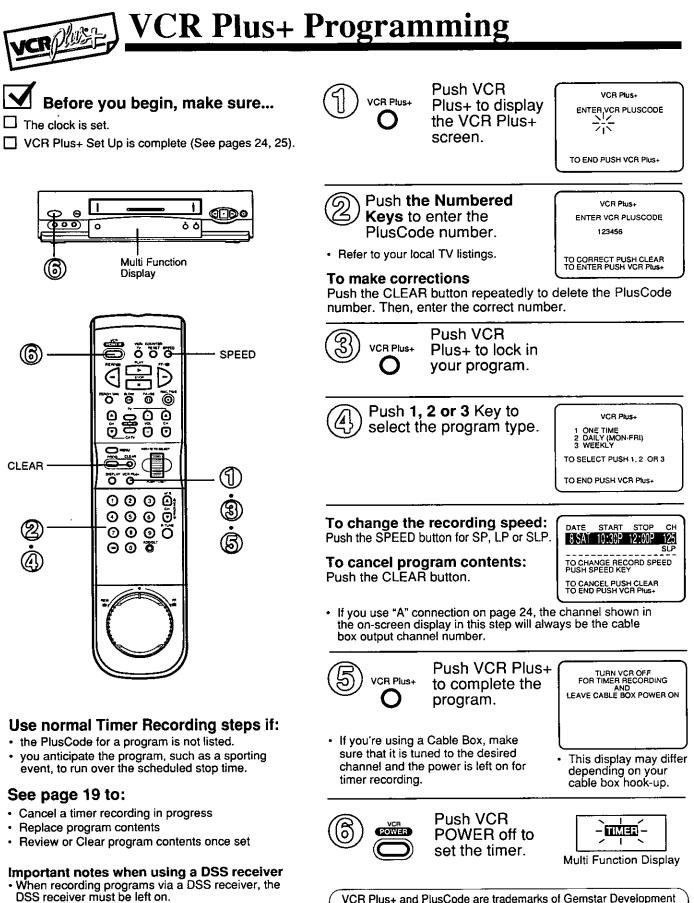
Push MENU twice to exit the VCR Plus+ CH SET UP mode.



Make your entries within 60 seconds or the VCR will leave this mode.

Once local channels have been programmed, they will stay in memory, even in the case of a power failure.

Nore You Can Do



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

Corporation. The VCR Plus+ system is manufactured under license from Gemstar Development Corporation.



- For a list of publications that carry the PlusCode numbers in your area, call 1 800 258 4827.
- You can obtain unlisted PlusCode numbers by calling 1 900 454 7587. Call costs approximately \$.95 per minute.
   YOU can obtain unlisted PlusCode numbers by calling 1 900 454 7587. Call costs approximately \$.95 per minute.
- VCR PlusCodes can not be used to program the VCR to record DSS channels.
- Avoid overlapping program times.
  - An on-screen display will indicate if an invalid PlusCode number has been entered.
- An on-screen display will indicate when all timer programs are full.

## **Before Requesting Service**

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

| Power  | Correction  |
|--|---|
| No power   | <ul> <li>Check that the Power Plug is completely inserted to an AC outlet.</li> <li>Check that the POWER button is set to on.</li> </ul>  |
| Recording & Playback   | Correction  |
| TV program can't be recorded   | <ul> <li>Check the connections between the VCR, the external antenna, and your TV.</li> <li>Check that the band selected matches your antenna or cable TV system. (P.12)</li> <li>Make sure that the record tab on the back of the cassette is still intact. (P.5)</li> </ul>   |
| Timer recording can't be performed   | <ul> <li>Set the recording start/stop times correctly. (P.18)</li> <li>Make sure that the POWER button is set to off. (P.18)</li> <li>Timer recording may not be performed or continued if a power interruption of more than 1 minute occurs before, or during, Timer Recording, even if power resumes thereafter.</li> </ul>   |
| There is no playback picture, or the playback picture is noisy or contains streaks   | <ul> <li>Select the same channel on your TV as that of the Channel 3/4 switch located on the rear panel of the VCR. (P.6)</li> <li>Set the VCR/TV selector to "VCR". (P.14)</li> <li>Check that channel 3 or 4 of the TV is properly adjusted.</li> <li>Adjust the TRACKING control slowly in either direction. (P.14)</li> </ul>   |
| During special effects playback, the picture may<br>contain some vertical jitter when using a TV which<br>has an Automatic Vertical Hold Control | <ul> <li>Set the TV's Vertical Hold Control to "MANUAL" and then adjust it.</li> </ul>  |
| If the top of your playback picture waves back and forth excessively   | <ul> <li>Because the VCR playback signal is not as stable as an off-the-air<br/>TV signal, the top of your TV screen may be bent or unstable<br/>during playback. To solve this problem, slowly turn the horizontal<br/>hold control on your TV to correct the wavy picture. If your TV<br/>does not have a horizontal hold control or adjusting the control<br/>does not help, please contact your local TV service center.</li> </ul> |
| VCR can't be controlled  | Make sure that VCR LOCK is set to off. (P. 20)  |
| Remote Control   | Correction  |
| VCR can't be remote controlled   | <ul> <li>Aim the Remote Control directly at the remote sensor on the VCR. (Refer to Back Cover.)</li> <li>Avoid all obstacles which may interfere with the signal path.</li> <li>Inspect or replace the batteries (P.4).</li> <li>Make sure that VCR LOCK is set to off. (P. 20)</li> <li>Exposing the VCR remote sensor to direct fluorescent or outdoor light may cause signal interference.</li> </ul>                               |
| Miscellaneous  | Correction  |
| You can't view programs normally on TV   | Set the VCR/TV selector to "TV". (P.16)   |
| Video cassette can't be inserted   | <ul> <li>Insert the cassette with the window side up and the record tab<br/>facing you.</li> </ul>  |
| Video cassette can't be removed  | Check that the power plug is completely connected to an AC outlet.  |
| Video cassette ejects when the REC and PLAY<br>buttons are pushed or when the POWER button is<br>pushed off to set the Timer                     | <ul> <li>Make sure the record tab on the back of the cassette is still intact.<br/>(P.5)</li> </ul>   |
| In the stop mode, the motor (CYLINDER) continues to rotate   | <ul> <li>To enable the quick play mechanism, the cylinder will rotate for about 5 minutes.</li> <li>The quick play mechanism reduces response time from stop to PLAY mode from PLAY to REWIND search mode.</li> </ul>   |
| VCR can't be controlled  | Make sure that VCR LOCK is set to off. (P. 20)  |

## Spanish Quick Use Guide/Guía para rápida consulta

#### Para fijar el idioma, canal y reloj Oprimir VCR CH Encienda el televisor y la FIJACION AUTO. (CA/RELOJ) POWER 🔺 para <u>iniciar la</u> videograbadora. CONECTE EL CABLE DE LA ANTENA Y SI ESTA USANDO UNA CAJA DE TV POR CABLI SINTONICE AL CANAL PBS DE SU LOCAL LUEGO... \* <u>fijación</u> automática de los canales. POR FAVOR OPRIMIR CH UP El televisor debe estar fijado al mismo canal que ha seleccionado en la parte trasera de Las siguientes informaciones aparecerán seguidamente: la videograbadora (canal 3 o 4). "AUTOPROGRAMACION EN PROCESO" **"AUTOPROGRAMACION COMPLETO" "FIJACION** AUTOMATICA DEL RELOJ EN PROCESO" Oprimir VCR CH o VCR SELECT LANGUAGE para elegir el PUSH VCR CH A: ENGLISH Caso 1 Caso 2 idioma de la PULSE VCR CH V: ESPAÑOL pantalla en inglés. 0 APP. VCR/TV : FRANÇAIS 12/25/1995 TUE 12:00PM Oprimir VCR CH HORA VERANIEGA: ACT CANAL FIJADO : CA 10 FIJACION AUTOMATICA DEL RELOJ INCOMPLETO ▼para elegir el ▼ FIJACION AUTOMATICA idioma de la PULSE LA RUEDA PARA FIJAR EL RELOJ COMPLETO pantalla en español. 0 TERMINAR : PULSE CH UP **Oprimir VCR/TV para** VCR/ TV elegir el idioma de la pantalla en francés. Comprobar si la hora está fijada 9 Caso 1 Esta pantalla aparecerá correctamente y luego oprimir ESTA USANDO UNA CAJA DE TV POR CABLE O UN RECEPTOR DSS? en unos segundos.→ CH 🔺 para terminar la fijación. Si la hora y la hora veraniega es PULSE MENU : SI PULSE PROG. : NO incorrecta, por favor siga los siguientes Oprimir MENU pasos: para elegir "SI" o Raras veces, en caso de que ud. vive cerca de PROG para "NO." 0 dos zonas con hora diferente, el aparato puede elegir un canal PBS con diferente hora de su PRÓG Si ha elegido "SI", continue al paso siguiente. Si ha elegido "NO", pase al paso 8. zona. En este caso, haga los siguientes pasos: 1 Tome nota del canal que está fijado en la pantalla y salga desde este modo oprimiendo el botón CH 🔺. -FIJAR TV POR CABLE/DSS-ELEGIR LA CONEXION DE SU CAJA DE TV POR CABLE O RECEPTOR DSS CABLE/DSSEVOREN VCR-CABLE/DSS-TV Girar y oprimir la **RUEDA** para 2 Anule este canal desde los canales memorizados en la combinación de VCR/TV. elegir la conexión de su equipo. 3 Oprima el botón MENU para que aparezca la ELEGIR : GIRE LA RUEDA FIJAR : PULSE LA RUEDA TERMINAR : PULSE MENU pantalla del MENU. 4 Use la rueda para elegir "FIJAR RELOJ" y luego · Si es "CABLE/DSS-VCR-TV", continue al para elegir "AUTO MATICO." siguiente paso. Si no es, pase al paso 8. Si ud. esta usando una caja de TV por cable y tiene muchos canales PBS, sintonize la caja de Girar y oprimir la RUEDA para fijar el canal de Girar el canal de TV por cable a un canal PBS diferente e intente la filación automática otravez. salida de la caja ÉLÉGIR : GIRE LA RUEDA FIJAR : PULSE LA RUEDA TERMINAR : PULSE MENU de TV por cable Si aparece la pantalla anterior, Caso 2 o el receptor la fijación automática del reloj DSS (el canal sintonizado en el no es disponible en su zona. televisor para ver la emision de la Por favor fije la hora del reloj caja de TV por cable o receptor manualmente. DSS). ٠ Si ud. está usando los terminales de audio/video para la conexión de la caja de TV por cable, elija y fije a "SALIDA DE VIDEO" para el canal de salida. Encienda la caja de TV por cable y fije la caja de TV por cable al canal PBS de su zona.

#### Fijación manual del reloj

- Oprimir MENU para que aparezca la pantalla de la fijación del reloj.
- 2 Girar y oprimir la RUEDA para elegi r y fijar el mes, la fecha, el año, la hora y la hora veraniega.

Para hacer correcciones Oprimir la rueda o el botón CLEAR repetidamente para retroceder o avanzar hasta el paso que desea corregir.

Operaciones básicas para la

**Oprimir PLAY para** 

(Videograbadora o Control Remoto)

....

(Videograbadora o Control Remoto)

comenzar a reproducir.

Introducir una cinta

La videograbadora se enciende automáticamente.

-VCR--

Si la cinta no tiene la lengüeta para evitar borrado la videograbadora comienza a reproducir automáticamente.

una escena.

a 27 veces más rápida.

Oprimir STOP para parar

barras de ruido.

la reproducción.

expulsar la cinta.

(Videograbadora o Control Remoto)

Esta indicación aparece en la pantalla multifuncional.

Oprimir REW o FF para

localizar rápidamente

La velocidad de búsqueda en el modo SP es a 9 veces más rápida que la

velocidad normal y en el mode SLP es

Durante la búsqueda aparece alguna

3 Oprimir MENU dos veces para iniciar a funcionar el reloj y salir desde este modo.

reproducción

-

-

STOP/EJECT

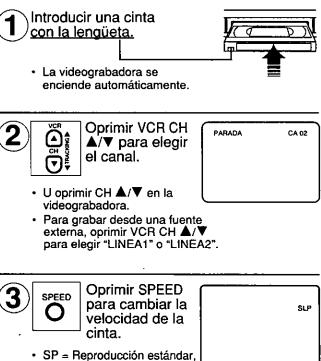
**.** 

Ö

| - ://  |
|--|
| VERANO : ACT                                   |
| GIRANDO LA RUEDA                               |
| : PULSE LA RUEDA →<br>PARA TERMINAR PULSE MENU |



#### Operaciones básicas para la grabación



LP = Larga duración, SLP = Superlarga duración.



Oprimir REC/TIME con el control remoto para <u>empezar a grabar.</u>

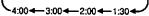
U oprimir PLAY y REC/TIME en la videograbadora.

#### Grabación de un toque (OTR)

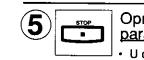
La videograbadora termina la grabación a una hora programada.

Oprima sucesivamente REC/TIME para fijar el tiempo de la grabación. Cada presión cambiará la hora de parada como demuestra al siguiente.

← Grabación normal --> 0:30 --> 1:00 ->



· La indicación TIMER aparece en la pantalla multifuncional.



Oprimir STOP para parar la grabación.

- U oprimir STOP en la videograbadora.
- Si mantiene oprimiendo el botón de VCR CH ▲/▼ aumentará la velocidad del cambio del canal.

 Oprimir PAUSE para hacer una pausa en la grabación en progreso.



Este botón se encuentra solamente en la videograbadora.

Oprimir STOP/EJECT para

29

## Spanish Quick Use Guide/Guía para rápida consulta

#### Programación fácil para la grabación con temporizador







Si ya existe una programación, ٠ elija usando la rueda un número sin programación.



#### Grabación diaria y semanal

Si ud. desea programar una grabación diaria (lunes a viernes), elija DIARIO en vez de la fecha en el paso 2. Si desea una grabación semanal, elija SEMANAL LUN, MAR, etc.





Girar y oprimir la RUEDA para elegir y fijar las fijaciones que sobran.

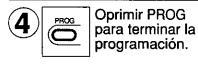
Fijaciones:

Hora de inicio

- Hora de parada
- Canal o LINEA para una fuente externa .
- · Velecidad de la cinta (SP, LP, SLP).

#### Para hacer correcciones

Oprimir la rueda sucesivamente para avanzar u oprimir CLEAR para retroceder hasta el paso que desea corregir.





 Si desea hacer más programaciones, elija un número de programa en blanco con la rueda y repita los paso 2 y 3.



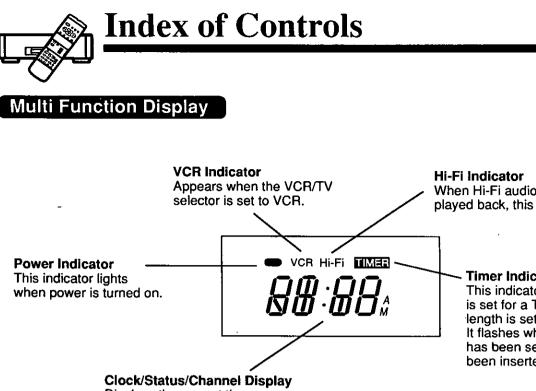
Oprimir PROG para salir desde este modo.



Oprimir POWER y apaque el aparato para la grabación con temporizador.



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



When Hi-Fi audio is monitored or played back, this indicator appears.

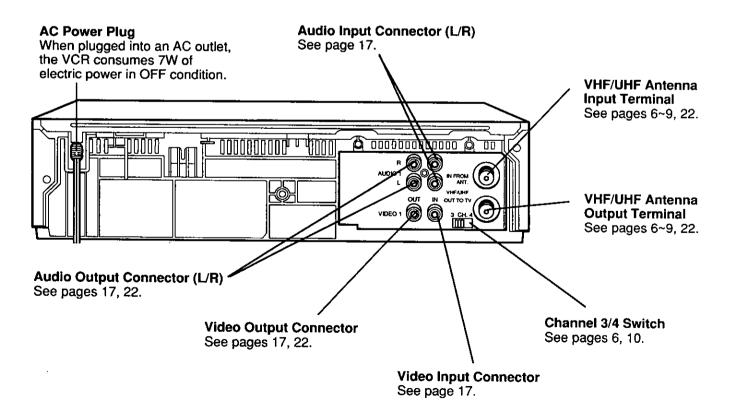
#### **Timer Indicator**

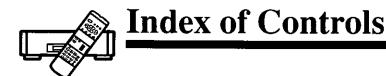
This indicator lights when the VCR is set for a Timer Recording, or if a length is set for normal recording. It flashes when a Timer Recording has been set, but a tape has not been inserted into the VCR.

## Displays the current time.

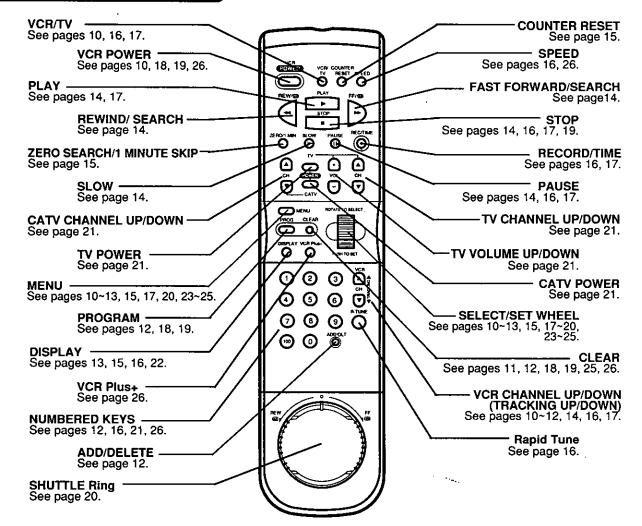
Briefly displays VCR status when function button is pressed. Also, briefly displays the channel number selected, "L1" or "L2" when channel button is pressed or select a line input.

#### **Rear View of the VCR**

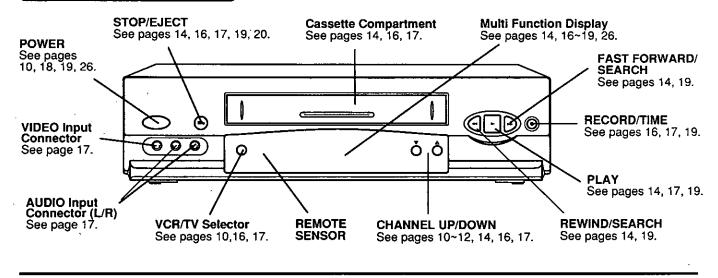




#### **Remote Control Button**



### Front View of the VCR



Matsushita 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. ("PSC") Ave. 65 de Infanteria. Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985