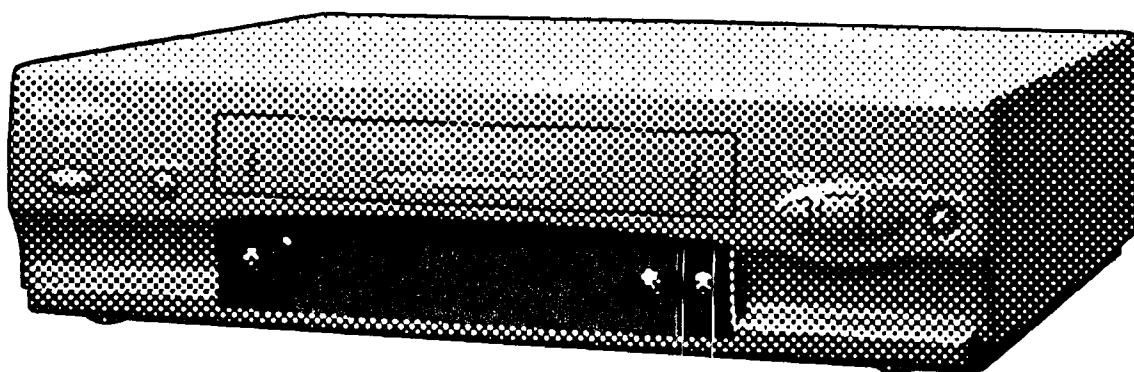


*Thank you for choosing*

# Panasonic Omnivision **VHS**

**MODEL PV-4515S/PV-4555S**



Video Cassette Recorder

**VCR** *Plus+*

## Operating Instructions

Please read these instructions carefully before attempting to connect, operate or adjust this product. Spanish Quick Use Guide is included.  
Guía para rápida consulta en español está incluido.

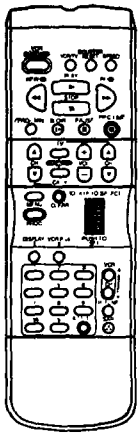
**Please Fold-Out  
Front Cover Before  
VCR Setup**

# Things You Should Know

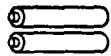
## Unpacking Your VCR

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

### Accessories



Remote Control  
VSQS1416 (PV-4515S)  
VSQS1411 (PV-4555S)



2 "AA"  
Batteries



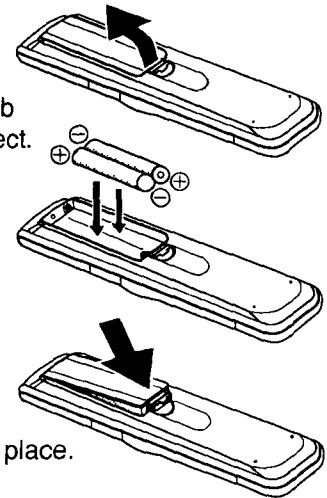
RF Coaxial  
Cable  
VJAS0175

### Optional Accessories

- 1/2" Video Cassette Tape

### Load the batteries in the Remote Control

- 1** Lift off the lid after pressing in and up on the latch with your thumb nail or other narrow object.
- 2** Install two batteries as indicated inside the Battery Compartment.
- 3** Fit the lid's hinge piece into the indent on the case, and snap lid into place.



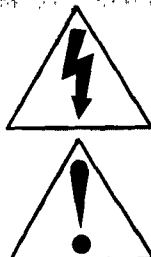
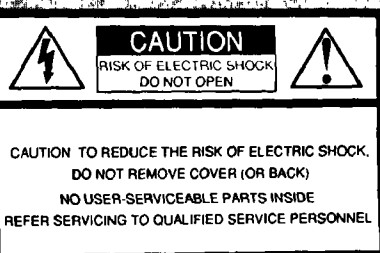
### Battery replacement caution

- Do not mix old and new batteries. (Also, never mix alkaline with manganese batteries.)

## Safety Precautions

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

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



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.

# Table of Contents

## Connections

Please see the separate, "Basic Connection Guide" which covers TV/VCR connections as well as optional Audio/Video and Cable connections.

## Getting Started

- One Time VCR Setup (On-screen Language, Channel Memory, Clock Set) ..... 4, 5
- On Screen Displays (OSD) (Function, Channel, Menu, VCR Status & Clock, Warning, Instruction) ..... 6

## Basic Operation

- Play Back a Tape (Main Operation, Special Effects, Quality Picture Features) ..... 7
- Record On a Tape (Main Operation, One Touch Record, Channel Selection, Rapid Tune) ..... 8

## More You Can Do

- Copy Your Tapes (Dubbing) (Connection, Main Operation, Monitoring, Select Input Mode) ..... 9
- Set Up a Timer Recording (Main Operation, Cancel-Clear or Replace, Program Contents) ..... 10, 11
- MTS Broadcast/VHS Hi-Fi Stereo System (For Model PV-4555S only) (Stereo/SAP/Mono Broadcasts, Select Audio Mode) . 12, 13
- VCR Plus+ Set Up (Cable Box Set Up, VCR Plus+ Channel Set Up) ..... 14, 15
- VCR Plus+ Programming (Main Operation, Make Corrections) ..... 16
- Tape Operation (Repeat Play, One Minute Skip, Zero Search, Auto Functions) ..... 17
- Set a Timer Recording at the VCR ..... 18
- Multi-Brand Control Feature ..... 19
- VCR and Cassette Information (Record Tab, Tape Speeds, Head Cleaner, Tape Cleaning, Specifications) 20, 21, 22

## Other Information

- Helpful Notes on Operations (Basic functions, Reset VCR Memory, Daylight Saving Time) ..... 23
- Before Requesting Service (Self-check items) ..... 24, 25
- Spanish Quick Use Guide/Guía para rápida consulta ..... 26, 27
- Quick Use Guide (Basic functions) ..... Back cover

## Product Features

Auto Daylight Saving Time .....	23
Auto Operation Functions (Auto Playback, Rewind, Tape Eject, Power off) .....	17
Auto Repeat Function .....	17
Digital Auto Picture .....	7
Easy-to-Read English/Spanish/French On Screen Displays .....	4, 5, 10, 11
Head Cleaner .....	20
MTS Broadcast System (For Model PV-4555S only) (Multi-channel Television Sound – Stereo, SAP, Mono) .....	12
Multi Brand TV/Cable Box Remote Control .....	19
One Minute Skip .....	17
One Month, 8 Program Timer Recording .....	10, 11
One Touch Recording (OTR) .....	8
Program Director Remote Control .....	10, 11
Quick Play Mechanism .....	25
Rapid Tune .....	8
Special Effects Playback .....	7
VCR Plus+ Recording .....	14, 15, 16
VHS Hi-Fi Stereo System (For Model PV-4555S only) .....	13
Zero Search .....	17
181-CH TV/CATV Tuner/All Channel Auto Set .....	4

# One Time VCR Setup



Blue numbers/ letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

## Check list before you begin

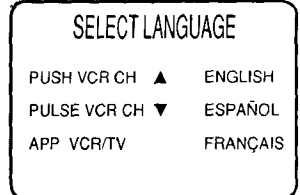
- All TV and VCR connections are made.  
(See separate Connection Guide.)
- TV and VCR are plugged in.
- TV is turned on and set to the VCR channel  
(the same channel you set on the back of the  
VCR, CH3 or CH4).
- VCR is turned on (VCR goes into VCR mode).

- 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.

## 1 Select On-Screen Language 2 Place Channels in Memory 3-5 Set the Clock



Press  **26** or  **1** (or **i** or **b**) for on-screen displays in English, Spanish, or French.

- If you choose the wrong language, please see the "Reset all VCR Memory Functions" section on page 23.



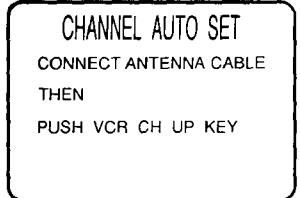
## Using This Manual


- Fold out the Control Reference Guide (front page).
- Read Operating Instructions carefully and in the order presented.
- Use the blue reference numbers and letters to locate controls on the Control Reference Guide.

**1** Oprimir  **26** o  **1** (o **i** o **b**) para elegir el idioma de la pantalla en español o inglés o français.


Appuyer sur  **26** ou  **1** (ou **i** ou **b**) pour alterner entre le menu français ou anglais ou espagnol.

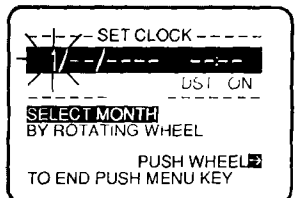
- This screen appears a few seconds later.




**2** Press  **26** (or **i**) to start Channel Auto Set.

- After channels have been placed in memory, the following on-screen displays appear in sequence:  
"CH AUTO SET COMPLETED"  
"PLEASE SET CLOCK BY PUSHING MENU KEY"


**3** Press  **9** to display the SET CLOCK screen.

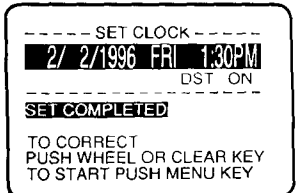


See left for Wheel operation information.

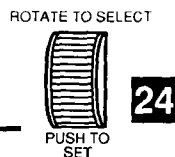
**4** Rotate and press  **24** to select and enter the month, date, year, time, and D.S.T. (Daylight Saving Time).

- The day of the week automatically appears.
- "DST:ON" automatically adjusts for Daylight Saving Time. (See page 23 for details.)

**5** Press  **9** twice to start the clock and exit this mode.



## Using the Select/ Set Wheel




The SELECT/SET Wheel makes VCR operation extremely easy. Since you will be using this control for many VCR tasks, please take time to familiarize yourself with its simple operation.

- There are basically two types of Wheel operation.
- Selecting items from an on-screen display.
- Entering information, such as setting the clock.

OPERATION

**1** Rotate (up or down)

ROTATE TO SELECT




PUSH TO SET

to make selection

**2** Press (like a button)

ROTATE TO SELECT



PUSH TO SET

to enter selection

- By repeatedly pressing the Wheel, you can skip over already set items as desired.

# Change or Re-enter One Time Setup Items

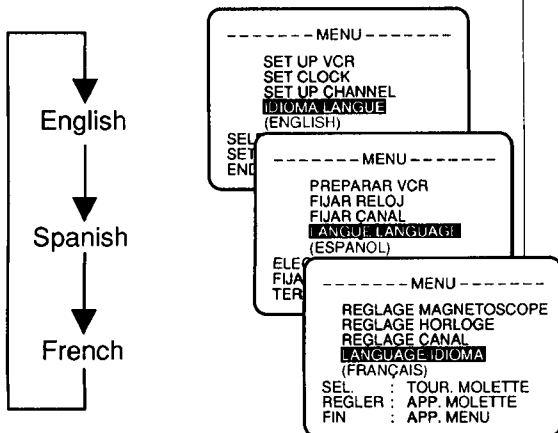
## Change the On Screen Displays (OSD) Language

Press **9** to display the menu.

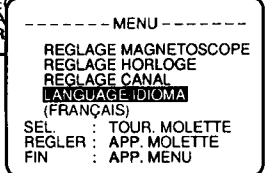
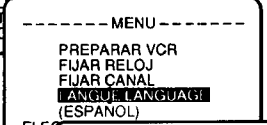
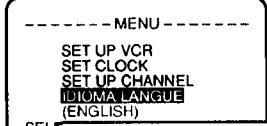
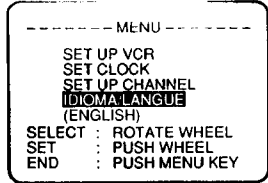
Then, rotate **24** to select the language selection item (English: LANGUAGE, Spanish: IDIOMA, French: LANGUE).

Next, press **24** to change the language.

Each press will change the language in the order shown.



Now, press **9** again to leave this screen.



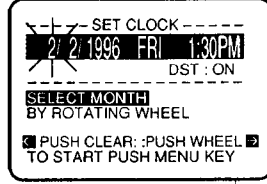
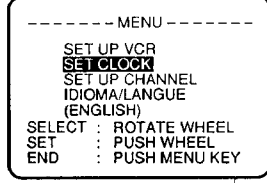
## Set or Reset the Clock

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

Press **9** to display the menu.

Then, use **24** to first, select SET CLOCK from the menu, and then to set the time and date.

Now, press **9** twice to start the clock and exit this mode.

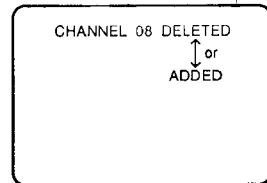


## Add or Delete a Channel

Select a channel using the NUMBERED keys on the remote control.

Then, press **14** to add or delete the channel.

- To select a deleted channel, use the NUMBERED keys on the remote control. Each time a deleted channel is selected, it will flash in the Multi Function Display.



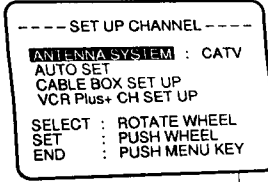
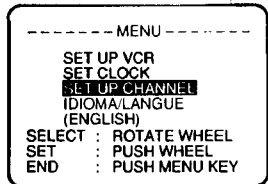
## Replace Channels in Memory

Example, if you have cable installed, etc.

Press **9** to display the menu.

Then, use **24** to first, select SET UP CHANNEL from the menu and then press to set your antenna system (TV or CATV).

Now, use **24** to select AUTO SET and then press to start Auto Set.



## Using the 100 key

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

## Helpful Notes

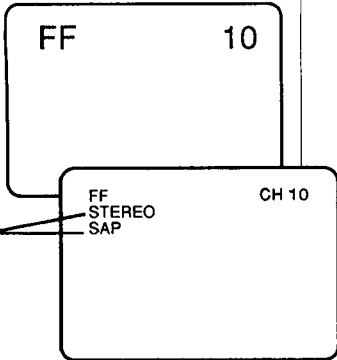
- This VCR will accurately maintain its calendar up to Dec. 31, 2013, 11:59PM.
- Make entries within 5 minutes, or the VCR exits the Set Clock screen.
- Normal TV or Cable channels are automatically selected and placed in memory depending on how your VCR is hooked up.
- By pressing the Wheel or CLEAR button repeatedly, you can skip forward or backward over correct entries and go directly to a specific item.

# On Screen Displays (OSD)

Blue numbers/ letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

## Function & Channel Display

Whenever a function button is pressed (PLAY, FF, etc.) or the channel is changed, a 4 second OSD will appear first in large and then small characters.

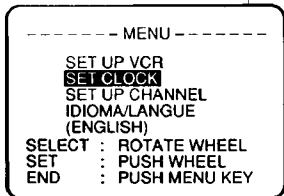


These indicators will appear only when a stereo and/or SAP broadcast signal is being received. (Model PV-4555S only)

## Menu Screen

Press **MENU** **9** to display the menu.

Then, use **ROTATE TO SELECT** **24** to make your selection. (See page 4 for details.)



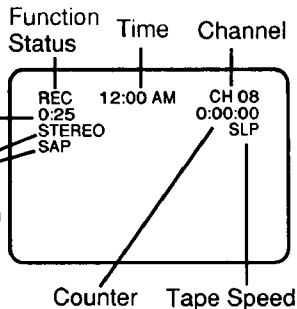
- To get the most from each feature, it is recommended that you read the Operation Manual before attempting any operation.

## VCR Status & Clock Display

Press **DISPLAY** **11** to display the overlay shown at right.

Rec Time Remaining (OTR mode only see page 8.)

Audio Mode (Model PV-4555S only)



Press **DISPLAY** **11** again to leave this mode.

## Blank Tape Indication

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.

## 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...

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

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

PLEASE SET CLOCK  
BEFORE PROGRAMMING

If a Timer Program was not completed before exiting the Program mode...

PROGRAM IS INCOMPLETE

After a Timer Program has been set...

TURN VCR OFF  
FOR TIMER RECORDING

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

CHECK CASSETTE  
RECORD TAB

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

NO CASSETTE  
PLEASE INSERT A CASSETTE

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

TO CANCEL TIMER REC  
PUSH POWER THEN STOP KEY

If you press VCR Plus+ during a normal Recording or One Touch Recording...

TO VCR Plus+ PROGRAMMING  
STOP THE RECORDING

# Play Back a Tape

## ✓ Check list before you begin

- All connections are made (see separate Connection Guide).
- Your VCR is plugged in.

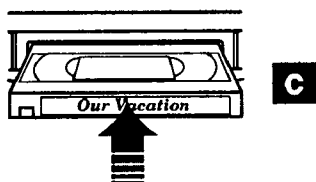
1

Turn TV on.  
Select it's VCR Channel  
(CH3 or CH4).

- The TV channel is the same number you set on the back of the VCR (see separate Connection Guide).

2

Insert a  
cassette



- VCR power comes on automatically. Playback begins if cassette has no record tab.





This indicator lights in the Multi Function Display.

3

Press  **3** (or **j**)  
to start playback.


4

Press  **4** (or **d**)  
or  **17** (or **e**)  
to quickly locate a scene during playback.  
Press PLAY to release search mode.

- SP mode tapes have a search speed of 9 times and SLP mode tapes 27 times the normal speed.
- Some noise bars will appear during search.

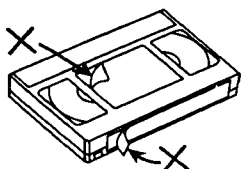
5

Press  **18** (or **f**)  
to stop playback.

Then, press  **f**  
on the VCR to eject the cassette.

### Caution:

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





# Playback Features

## Special Effects During Playback

These features work best in SP or SLP mode. Sound will be muted.

### Slow Motion Playback


Press  **6**  
Then, press  **3** (or **j**)  
to release.

### Still (Freeze) Frame Picture

Press  **20**  
to freeze and release the picture.

- To reduce picture noise:**  
First, place the VCR in slow motion mode. Then, when the picture is clear using TRACKING ▲/▼, press PAUSE.

### Frame by Frame Advance

While in Still mode, hold down  **6**  
to advance the still picture one frame at a time. Press PAUSE to release.

## Features for a Quality Picture

### Digital Auto Picture


This feature automatically controls the video output signal for improved picture resolution or 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 to reduce picture noise.

Press  **26** (or **i**)  
until the picture clears up.  
To return to the Auto Tracking mode, press the VCR POWER button off and then on again.

### V-Lock Control

Use during Still mode to reduce jitter.

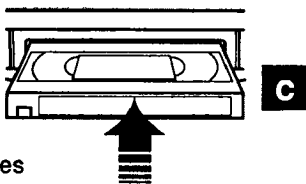
Press  **26** (or **i**)  
until the picture is stabilized.

# Record On a Tape


Blue numbers/ letters (ex. **1**~**28**) correspond with fold-out Control Reference Guide (front page).

## ✓ Check list before you begin

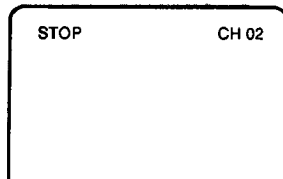
- Connections are made (see separate Connection Guide).
- VCR is Plugged in.
- TV is turned on and set to the VCR channel (CH3 or CH4).


**1** Insert a cassette with record tab. 

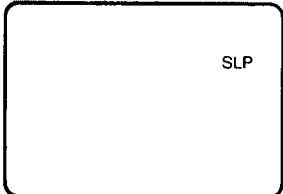
- VCR power comes on automatically.

**2** Press  **26** (or **i**) to select a channel to be recorded.

- To record from an outside source, see "Selecting the Input Mode" section on next page.



**3** Press  **16** until the desired speed appears on-screen.




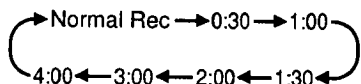
**4** Press  **19** (or **j** and **k**) to start recording.

**5** Press  **18** (or **f**) to stop recording.

## One Touch Recording (OTR)


You can set up the VCR to turn itself off at a preset time making it a one touch timer recording.

In step 4, continue to press  **19** (or **k**) to set the recording length. Each press will change the time as shown in the diagram below.



The TIMER indicator lights in the Multi Function Display.

## Record One TV Program While Watching Another

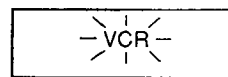
Press  **1** (or **b**) while the recording is in progress to turn off the VCR indicator in the Multi Function Display.

Then, use the TV channel controls to select a program for viewing. The VCR will continue to record your program while you watch any channel you choose.

- You can switch back and forth between the channel being recorded and the channel you are viewing by using the VCR/TV selector.

## Select Channels at the VCR for Recording or Viewing

Turn TV on. Select VCR Channel.




**h**


Channel 3 or 4.

This indicator lights in the Multi Function Display. If not, press the VCR/TV selector to turn it on.

Then, press  **26** (or **i**) to select channels.

Now, press  **1** (or **b**) to turn the VCR indicator off, or simply turn the VCR off to select channels with the TV controls.

## Rapid Tune

Press  **27** to display the last channel you were watching. Previous Channel CH08 ← Present Channel CH10

- When selecting channels with the VCR CH UP/ DOWN key, the channels must be displayed for at least 4 seconds in order for the VCR to recognize them as a new selection.

## Helpful Notes

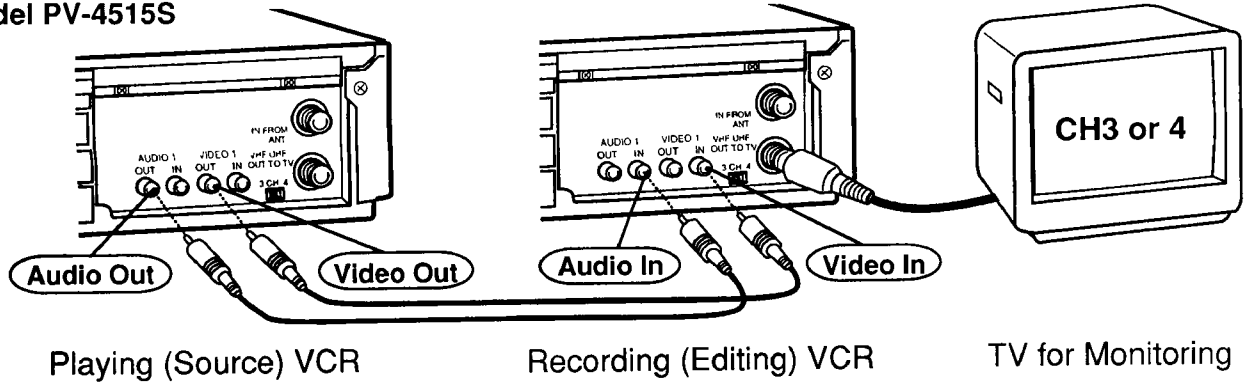
- Holding down the VCR CH ▲/▼ key will increase the channel search speed.
- Press PAUSE to pause the recording in progress.
- The recording time remaining will appear when the DISPLAY button is pressed during OTR mode (See page 6).



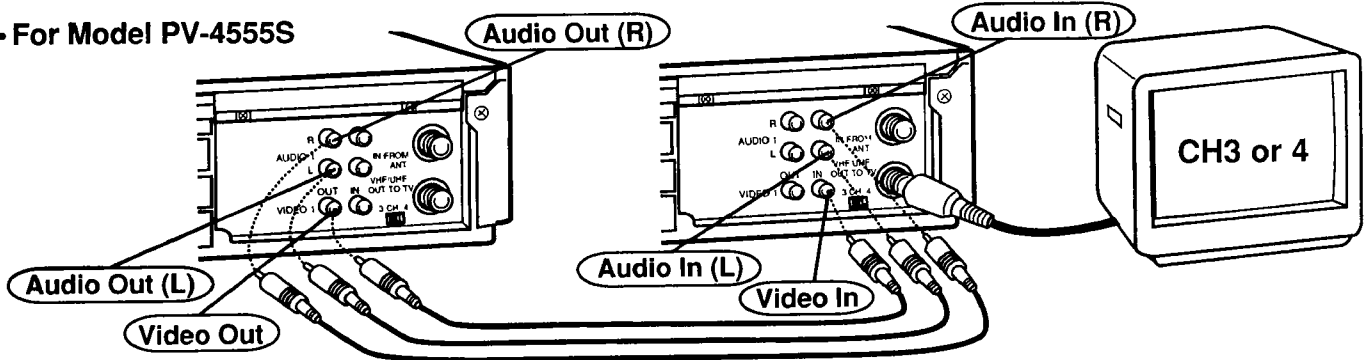
# Copy Your Tapes (Dubbing)

Connections you'll need to make.

• For Model PV-4515S



• For Model PV-4555S



- 1 **Insert a pre-recorded tape** into the Playing (Source) VCR.
- 1 **Then, insert a blank tape** with record tab into the Recording (Editing) VCR.
- 2 **Select "LINE"** as the input on the Recording VCR.
  - If you are using this VCR as the Recording unit, see right section for LINE input information.
- 3 **Press PLAY** on the Playing VCR.
- 3 **Then, press PAUSE** when the tape reaches the point you want to start copying.
- 4 **Press REC and PLAY** at the same time on the Recording VCR.
- 4 **Then, press PAUSE** immediately.
- 5 **Press PAUSE** on both VCRs (at the same time), to begin copying.
- 5 **Then, press STOP** on both VCRs to stop copying.

## To Monitor the Re-Recording

Turn the TV on and select its VCR channel (either channel 3 or 4).

Then, set the VCR/TV selector on the Recording VCR to the "VCR" position.

## Selecting the Input Mode

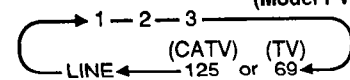
Press **MENU** **9** to display the menu.

Then, use **ROTATE TO SELECT** **24**

to first, select SET UP VCR and then, to choose TUNER or LINE.

• You can also select "LINE" using the VCR CH ▲/▼ key.

The numbers will change in the order shown.



• When LINE is selected, "L" is displayed in the Multi Function Display (MFD) for about 4 seconds.

### Caution:

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

### Helpful Note

• By using the PAUSE button (on the Recording unit) while copying is in progress, you can edit out unwanted parts of the original recording.

More You Can Do

# Set Up a Timer Recording

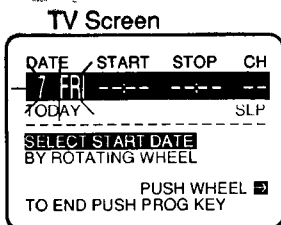
Blue numbers, letters (ex. **1** ~ **23**) correspond with fold-out Control Reference Guide (front page)


## ✓ Check list before you begin

- Connections are made (see separate Connection Guide).
- TV and VCR are plugged in. VCR/TV selector is set to "VCR".
- Clock is set to correct time.
- Tape is long enough and the tape's record tab is intact.

**1** Press  **10** for program mode.

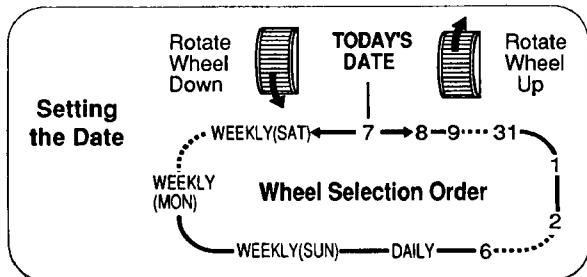
- If a program has already been set, select a blank program number with the Wheel.



Rotate and press  **24**

to select and enter the date. (See example, below.)

**2**



Then, in this same manner, continue to set the Start time, Stop time, Channel, and Tape Speed as they appear on-screen.


### To make corrections:

Press the Wheel or CLEAR button repeatedly to move back or forward to the desired item. Then, re-enter it.

**3** Press  **10** to finish the program.

P	DT	START	STOP	CH	SPD
1	8	9.00A	12.00A	08	SP
2	---	---	---	---	---
3	---	---	---	---	---
4	---	---	---	---	---

SELECT 1-8 ROTATE WHEEL  
 ENTER PUSH WHEEL  
 CANCEL PUSH CLEAR KEY  
 END PUSH PROG KEY

**4** Press  **10** again to exit this mode.  
 Or, repeat steps 2 and 3 to set the next program.


**5** Press  **2** (or **a**) OFF to set the Timer.

The TIMER indicator lights in the Multi Function Display.

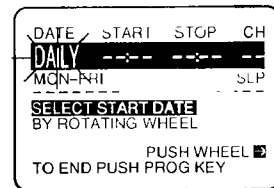


## Daily/Weekly Programming

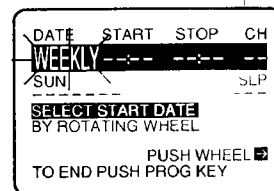
In step 2 of left,

Use  **24**

to enter DAILY or WEEKLY in place of the Date.



Weekly recordings require that you enter the day of the week. See the "Wheel Selection Order" in step 2 on this page.



Then, continue with programming.

### Helpful Notes

- Another way to review program contents is to first, place the VCR in VCR mode. Then, press the PROGRAM button while a Timer Recording is in progress.
- Check your times carefully to avoid overlapping.
- If the record tab is missing at the time the VCR power is turned off, the tape ejects and the Timer indicator **TIMER** flashes.
- If there is a power interruption of more than about one minute, a timer recording cannot be performed or continue.
- If "PROGRAM IS INCOMPLETE" appears in step 3, check all entries carefully and make any corrections. Then, continue with step 3.
- When recording from an external source, rotate the Wheel until "L" appears instead of the Channel.

# Cancel, Clear or Replace Timer Recording Programs

## Cancel a Timer Recording

(Recording is in progress.)

Press  **2** (or **a**)  
to release the Timer mode.


Then, press  **18** (or **f**) **10** seconds  
to cancel the Timer Recording.


Now, press  **2** (or **a**)  
to turn the VCR OFF.

- Any future daily or weekly recordings will be performed as programmed.

## Replace Program Contents

(Recording is not in progress.)

Press  **10**  
to display all currently set programs.

Then, use  **24**  
to select and enter the desired program.

Now, press  **10**  
to return to normal TV.

P	DT	START	STOP	CH	SPD
1					
2	8	10:00P	12:00P	125	SLP
3	10	8:00P	9:00P	10	SP
4	SU	9:00P	10:00P	L	SLP

SELECT 1-8 : ROTATE WHEEL  
ENTER : PUSH WHEEL  
CANCEL : PUSH CLEAR KEY  
END : PUSH PROG KEY


DATE	START	STOP	CH
8 SAT	10:00P	12:00P	125
			SLP


SELECT START DATE BY ROTATING WHEEL  
PUSH CLEAR : PUSH WHEEL  
TO END PUSH PROG KEY

More You Can Do


## Review or Clear Program Contents

(Recording is not in progress.)

Press  **10**  
to display all programs.

Then, rotate  **24**  
to select the desired program number.

Next, press  **25**  
to clear the program.

Now, press  **10**  
to return to normal TV.

P	DT	START	STOP	CH	SPD
1	DAY	9:00A	12:00A	08	SP
2	8	10:00P	12:00P	125	SLP
3	10	8:00P	9:00P	10	SP
4	SU	9:00P	10:00P	L	SLP

SELECT 1-8 : ROTATE WHEEL  
ENTER : PUSH WHEEL  
CANCEL : PUSH CLEAR KEY  
END : PUSH PROG KEY

P	DT	START	STOP	CH	SPD
1					
2	8	10:00P	12:00P	125	SLP
3	10	8:00P	9:00P	10	SP
4	SU	9:00P	10:00P	L	SLP

SELECT 1-8 : ROTATE WHEEL  
ENTER : PUSH WHEEL  
END : PUSH PROG KEY

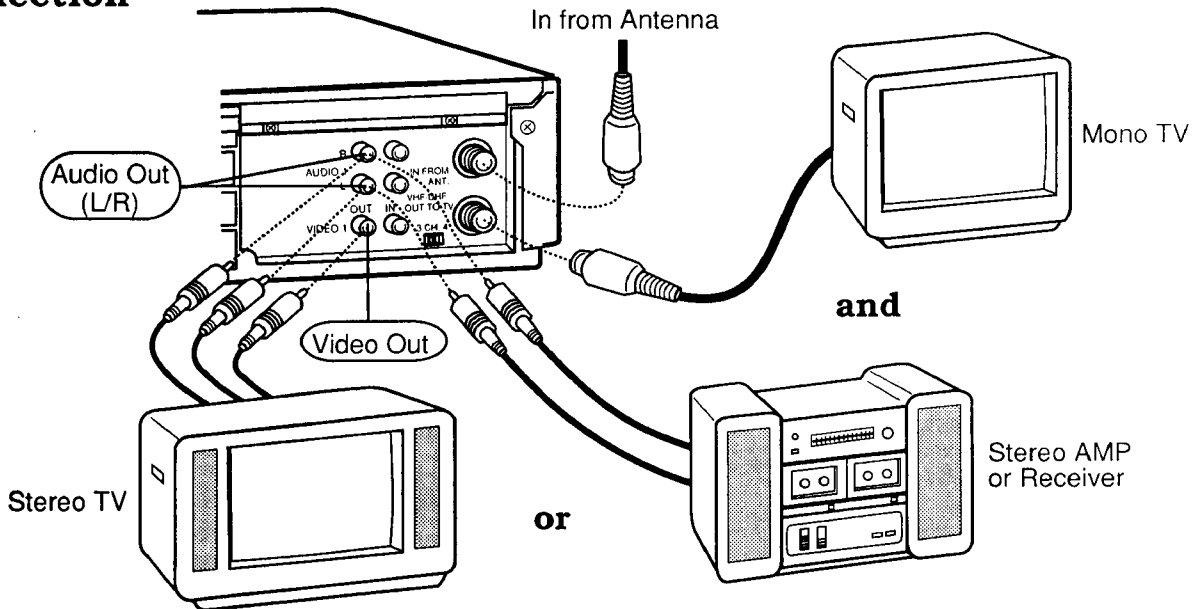
# MTS Broadcast/VHS Hi-Fi Stereo System (For Model PV-4555S only)

Blue numbers/ letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

## Check list before you begin

The VCR is connected to a stereo TV, or a mono TV and stereo amp or receiver with speakers.

### Connection



### Definition of Terms

**MTS:** Multi-channel Television Sound broadcast. An SAP (second audio program) broadcast may be received at the same time.

**SAP:** Second Audio Program broadcast. A separate audio program, usually broadcast in a second language as well as the main language.

**Hi-Fi:** Stereo sound recorded on the Left and Right audio tracks on the video portion of a tape.

**MONO:** Normal sound recorded on the linear, monaural track in addition to the left and right Hi-Fi tracks.

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.

### Type of Broadcasts

The following are possible combinations of broadcasts with their accompanying on-screen displays.

**Press the DISPLAY button to display the broadcast signal currently being received.**

#### MTS Stereo and SAP broadcast

"STEREO" and "SAP" appear.

**In step 3 on page 13,** select "STEREO" to monitor and record in Hi-Fi stereo, or "SAP" for a second language.

REW	12:00 AM	CH 08
STEREO		0:00:00
SAP		SLP

#### MTS Stereo broadcast

"STEREO" (only) appears.

**In step 3 on page 13,** select "STEREO" to monitor and record in Hi-Fi stereo.

REW	12:00 AM	CH 08
STEREO		0:00:00
		SLP

#### SAP broadcast

"SAP" (only) appears.

**In step 3 on page 13,** select "SAP" to monitor and record the second language.

REW	12:00 AM	CH 08
SAP		0:00:00
		SLP

#### MONO broadcast

**In step 3 on page 13,** select "MONO" to monitor and record monaural audio sound in case the stereo signal is weak. "MONO" will only appear on-screen after it is selected.

REW	12:00 AM	CH 08
MONO		0:00:00
		SLP

- The audio mode sound you select, is always recorded on the left and right Hi-Fi tracks as well as the normal monaural track. This means that your tapes can be played back on Hi-Fi as well as non-Hi-Fi VCR's.

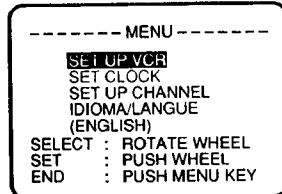
## With the proper audio mode setting, your VCR can:


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

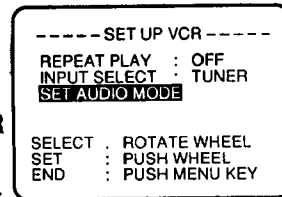
### Select Audio Mode for Recording


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

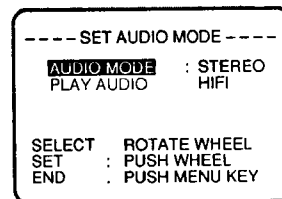
**1** Press  **9** to display the menu.



**2** Use  **24** to first, select SET UP VCR from the menu, and then to select SET AUDIO MODE.



**3** Use  **24** to select the type of audio mode (STEREO/SAP/MONO) as described on page 12.



**4** Press  **9** three times to exit this screen.

### Do a recording

- 5** See "Record On a Tape" section on page 8.
- You may monitor the recording in stereo, even if you are watching a mono sound TV by using a stereo amp and speakers. (See connection on page 12.)

### To Quickly Select SAP Audio Mode

Press  **28**

when receiving an SAP broadcast to switch instantly from STEREO to SAP, or MONO to SAP audio mode.


- SAP appears for a few seconds if an SAP broadcast is being received at the time the SAP button is pressed.
- Pressing the SAP button again will switch the audio mode back to the previously selected mode.
- The SAP button is specially designed so that it can be easily recognized by touch.

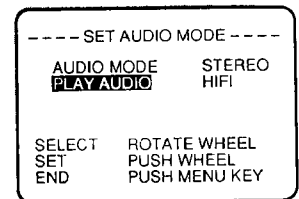
### Select Audio Mode for Playback

Select the type of sound you desire for playback.

Do steps 1 and 2 (left).

Then, in step 3,

use  **24**



to select Hi-Fi to listen to your stereo recordings with stereo sound or MONO for monaural sound.

- Other settings in this screen are not related to playback and can be left as is.

**Now, playback the tape.**

See the "Play Back a Tape" section on page 7.

### Helpful Notes

- When purchasing or renting prerecorded tapes, remember that only those recorded in Hi-Fi stereo will play back with true stereo sound. Standard stereo tapes will play back with monaural sound.
- If "STEREO" is selected in the SET AUDIO MODE screen, the MONO indicator will not appear on-screen regardless if a mono broadcast is being received.
- If the Stereo broadcast is weak and display flickers, you may get better results if you select MONO as the AUDIO MODE in step 3, left.
- In order to listen to Hi-Fi stereo playback, the VCR AUDIO (L/R) jacks must be connected to a stereo TV or stereo amp and speakers. (See page 12.)
- When adjusting the tracking during playback, the Hi-Fi audio sound may revert to normal audio sound. This is normal.
- There may be a difference in audio level between Hi-Fi and normal audio playback.

# VCR Plus+ Set Up

This setup is for VCR Plus+ and timer programming only. For TV/Cable Box Universal Remote Control operation, please see page 19.

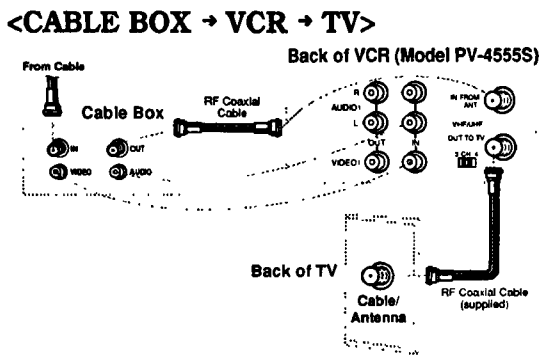
Blue numbers/ letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

In order for your VCR to do a VCR Plus+ recording (see top of page 15 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.

## Choose your Connection Type

(Then, follow the instructions under the diagram.)

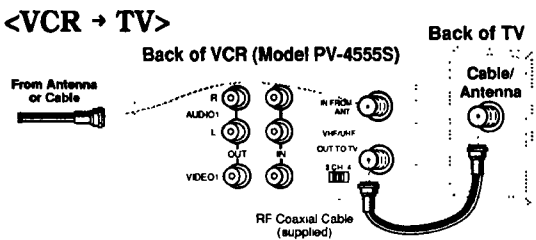
### Connection Type A



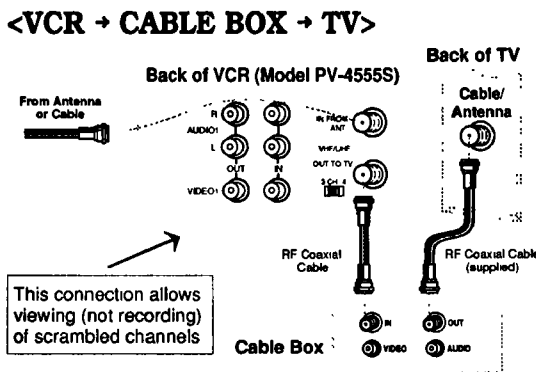
If your system looks like this diagram, do the following.

1. Complete the "Cable Box Set Up" section at right.
2. Skip page 15 and go directly to page 16 for VCR Plus+ Programming.

### Connection Type B



or



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

1. Skip the "Cable Box Set Up" section at right and turn to page 15.
2. Complete the "VCR Plus+ Channel Set Up" section on page 15.
3. Turn to page 16 for VCR Plus+ Programming.

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

## Cable Box Set Up For connection A (see left) only

**1** Press **MENU** **9** to display the menu.

**2** Use **ROTATE TO SELECT** **24** to first, select SET UP CHANNEL, and then, to select CABLE BOX SET UP.

**3** Select **YES** if you are using a cable box and continue with step 4. Select **NO** if you are not using a cable box. Then, press MENU twice and turn to page 15.

**4** Use **ROTATE TO SELECT** **24** to select your cable box set up. If you selected CABLE BOX → VCR → TV, continue with step 5. If not, press MENU twice and turn to page 15.

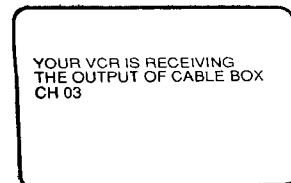
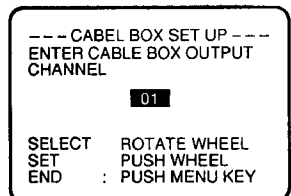
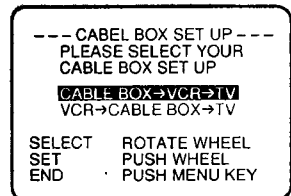
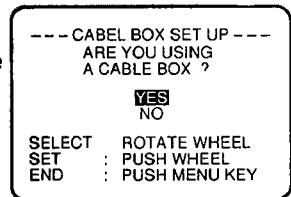
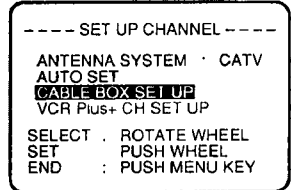
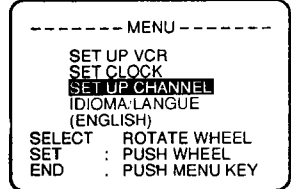
**5** Use **ROTATE TO SELECT** **24** to change the displayed number to your cable box output channel (the channel you tune your TV to in order to watch cable stations). If necessary, refer to your cable box manual.

- If you are using Audio/Video jack connection for your cable box, select and set "VIDEO OUT" as the output channel.

**6** Press **MENU** **9** A five second display will confirm your entry. (Channel shown is example only.)

**7** Then, press **MENU** **9** twice to return to the normal screen.

**Now, skip page 15** and go directly to VCR Plus+ Programming on page 16.



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 14.

**Prepare a list like the example below.** This list will help you smoothly enter the information needed in step 3 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.

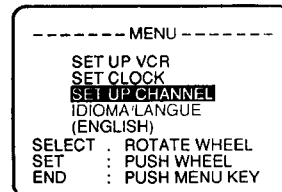
- 1** Make a chart with 3 columns like the example below. In the left column, fill in the name or call letters of the stations you receive.
- 2** In the middle column, fill in each station's assigned Guide (VCR Plus+) number found in *TV Guide*, newspapers, etc.
- 3** In the right column, fill in the channel number that your TV receives the station on from your channel line-up.


EXAMPLE ONLY

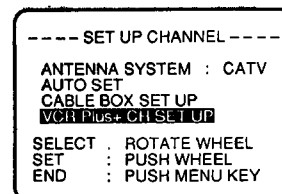
Broadcast or Cable Station Name	Assigned Guide (VCR Plus+) channel no.	Channel no. your TV receives the station on
HBO	33	15
Nickelodeon	38	20
CBS	04	04
FOX	11	

## VCR Plus+ Channel Set Up (For connection B on page 14 only)

- 1** Press  **9** to display the menu.




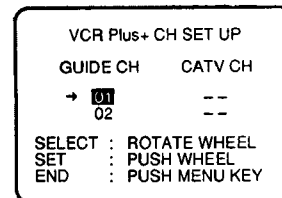
- 2** Use  **24** to first, select SET UP CHANNEL and then, to select VCR Plus+ CH SET UP.



### IMPORTANT NOTE:

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

- 3** Press  **24** to move the shaded area over to the right side of the screen.



Then, rotate the Wheel to change the number. Next, press the Wheel to enter the number. Now, rotate the Wheel to continue. Repeat this operation until the list is complete.

### To Make Corrections

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

- 4** Press  **9** twice to exit the VCR Plus+ CH SET UP mode.

### Helpful Notes:

- 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.


More You Can Do

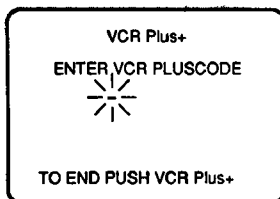
# VCR Plus+ Programming

Blue numbers/ letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

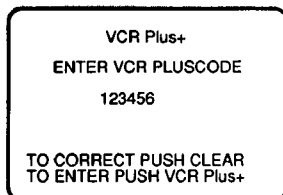
## Before you begin, make sure ...

- The clock is set.
- VCR Plus+ Set Up is complete (See pages 14, 15).

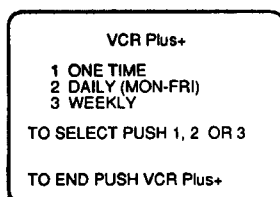
**1** Press  **12** to display the VCR Plus+ screen.



**2** Press the **NUMBERED** Keys to enter the PlusCode number from your local TV listings.



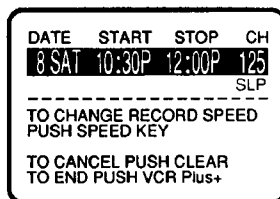
**3** Press  **12** to lock in your program.



**4** Press the **1, 2 or 3** Key to select a **ONE TIME, DAILY (MON-FRI)** or **WEEKLY** recording.


### To change the recording speed:

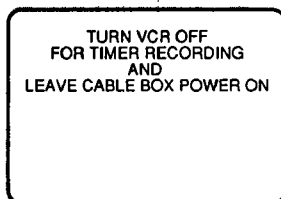
Press the **SPEED** button for **SP, LP** or **SLP**.




### To cancel program contents:

Press the **CLEAR** button.

**5** Press  **12** to complete the program. This display may differ depending on your cable box hook-up.



**6** Press  **2** off to set the timer.

#### VCR Front Panel



The **TIMER** indicator lights in the Multi Function Display.

## To Make Corrections

In step 2,

Press  **25** repeatedly to delete the PlusCode number.

Then, enter the correct number.

### Use normal Timer Recording steps if:

- the PlusCode for a program is not listed.
- you anticipate the program, such as a sporting event, to run over the scheduled stop time.

### Important:

- If you use "A" connection on page 14, the channel will always be the cable box output channel number. Make sure to leave the cable box turned on and tuned to the desired channel for VCR Plus+ or timer recording.

### See pages 10 and 11 to:

- Cancel a timer recording in progress
- Review or Clear program contents once set
- Replace program contents

### Helpful Notes:

- If you use "A" connection on page 14, the channel shown in the on-screen display in step 4 will always be the cable box output channel number.
- 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.
- 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.

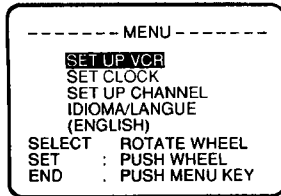



# Tape Operation

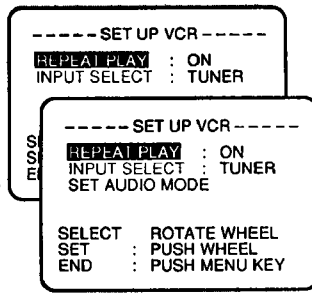
## Repeat Play

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

**1** Press  **9** to display the menu.



**2** Use  **24** to first, select SET UP VCR from the menu and then, to select REPEAT PLAY : ON.



(Model PV-4555S only)

**3** Press  **9** twice to leave this screen.


**To Cancel Repeat Play**, repeat steps 1 and 2, and select REPEAT PLAY : "OFF". Then, press MENU to exit.

### Notes


- When REPEAT PLAY : "ON" is selected, the VCR will play to the end of a tape, or until it reaches a blank portion 30 seconds or more. (Erased portions of tape are not considered blank.) Then, the VCR will automatically rewind the tape and play it again and again until you cancel repeat play.
- All function buttons (REW, FF, etc.) are operational during Repeat Play.

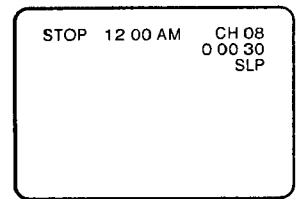
## One Minute Skip


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

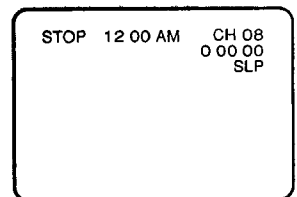
Press  **5** in Play mode. The VCR will go into FF search mode and skip over 60 seconds of recorded time. Then, normal playback will resume.


## Zero Search

**1** Press  **11** to display the Time Counter overlay.



**2** Press  **15** to reset the Time Counter to 0:00:00 at whatever point you wish on the tape.



**3** Press  **5** in Stop mode. The VCR will go into FF or REW mode. The tape will stop at the last point the Time Counter was set to 0:00:00.

## 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 it 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 pressed during rewind, the VCR will turn off after rewind is complete.

### Eject Cassette

A cassette may be ejected with power on or off.

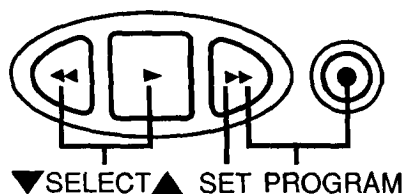
\* For record tab information, see page 20.

More You Can Do

# Set a Timer Recording at the VCR

Blue numbers, letters (ex. **1** ~ **28**) correspond with fold-out Control Reference Guide (front page).

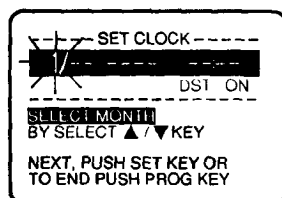
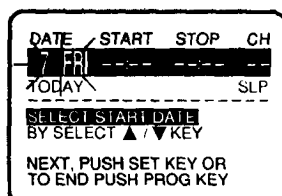
A timer recording can be set up using the buttons on the VCR. If necessary, the clock can also be set.



Hold down   
and press   
to enter the program mode.

**1**



• If the clock is not set, pressing these buttons will display the SET CLOCK screen. In this case, proceed with step 2 to set the clock and then to set a timer recording.




## Helpful Notes



- It is not possible to clear a timer program using the VCR buttons. Please use the Remote Control.
- Press SET (FF) repeatedly to move to a particular item for setting or correction.
- Once the VCR is in the Program mode, the PLAY, REC, FF, and REW buttons on the VCR are non-functional.

**2**



Press  (for up)  
or  (for down)  
to make your selection.

Then, press   
to set and move on to the next item.

**3**

When the program is completed,  
press  and  (at the same time)  
to display all program contents.



**4**

Press  and  again  
to return to the normal screen.  
Or,  
repeat steps 2 and 3 to set the next program.

# Multi-Brand Control Feature

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

**1** Find your TV Brand Code Numbers from the chart below or Cable Box Brand Code Numbers from the chart at right.

Hold down  **23** (On this remote.)  
or  
 **8**

**2** and enter your TV or Cable Box brand code number using the NUMBERED keys.

- Due to changes in infra-red commands used by some manufacturers, some TV or Cable Box brands are listed more than once. If your TV or Cable Box does not respond in step 3 with the first code, please try entering the next code.

Try each of the following functions with this remote control. Some TV and Cable Box brands require you to turn on the power manually.

**3** (TV) **POWER ON/OFF** (Cable Box) **POWER ON/OFF**  
**CHANNEL UP/DOWN** **CHANNEL UP/DOWN**  
**VOLUME UP/DOWN**

- Depending on your TV or Cable Box model, not all functions listed may be controlled by this remote.

## TV Brand Code Numbers

Panasonic	01, 02
Quasar	01, 02
RCA	03
GE	03
Zenith	04
Magnavox	05
Sylvania	05
Sharp	06, 07
Sony	08
Toshiba	09
Sanyo	10
Fisher	10
JVC	11
Hitachi	12
Mitsubishi	13
Samsung	14
Gold Star	15, 16, 17

## NEC Helpful Notes

- Please repeat the TV/ Cable Box Set Up procedure when you replace the remote's batteries.
- The remote control is designed to control the brands listed. However, it will not operate all TVs or Cable Boxes made by these manufacturers. If you get no results, your particular product brand cannot be controlled by this remote.

## Cable Box Brand Code Numbers

Archer	01, 29, 44, 88, 91
Cableview	4, 30, 42, 44, 52, 63, 85, 88
Citizen	4, 30, 42, 44, 52, 63, 85, 88
Curtis	08, 09, 56, 61, 87, 90
Diamond	01, 29, 44, 88, 91
Drake	37
Eagle	13, 20, 22, 26, 40, 58, 62, 98
Eastern	28
GC Brand	4, 30, 42, 44, 52, 63, 85, 88
Gemini	04, 85
General Electric	57
General Instruments	01, 02, 03, 04, 34, 55, 83, 85, 91, 93, 95
Hamlin	14, 15, 28, 41, 97
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	32, 38, 40
Oak	46
Panasonic	16, 17
Philips	13, 20, 23, 24, 96
Pioneer	05, 06, 78
Pulser	4, 30, 42, 44, 52, 63, 85, 88
RCA	16, 17
Realistic	44, 88
Regal	14, 41
Regency	28
Rembrandt	29, 32, 39, 42, 44, 88
Samsung	32, 40, 42, 78, 94
Scientific Atlanta	08, 09, 56, 61, 87, 90
Sheritech	27
SL Marx	32, 40, 42, 78, 94
Sprucer	16, 17
Stargate	32, 40, 42, 78, 94
Stargate	4, 30, 42, 44, 52, 63, 85, 88
Sylvania	19
Telecaption	77, 92
Televue	32, 40, 42, 78, 94
Texscan	18, 19
Tocom	01, 33, 34, 42, 48, 49, 91
Toshiba	36
Unika	01, 29, 44, 88, 91
Universal	42, 43, 44, 52, 63, 88
Viewstar	13, 20, 22, 26, 40, 58, 62, 98
Videoway	07, 23, 50
Zenith	07, 23, 50

More You Can Do

# VCR and Cassette Information

## Erase Protection (Record Tab)

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

**Break off the tab with a screwdriver**

to prevent accidental erasure.



**Cover the hole with cellophane tape**

to record again.



## Maximum Record/Playback Time

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

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

## Head Cleaner

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

### Note:

This feature is preventative only. If your video heads are seriously clogged, consider the use of a chemical nonabrasive head cleaning kit or take your VCR to a Servicenter.

## Cleaning Care for Video Heads



**Clogged Video Head Picture**

### Clogged Video Heads

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 image shown above during playback, the heads probably require cleaning.

### Cleaning the Heads

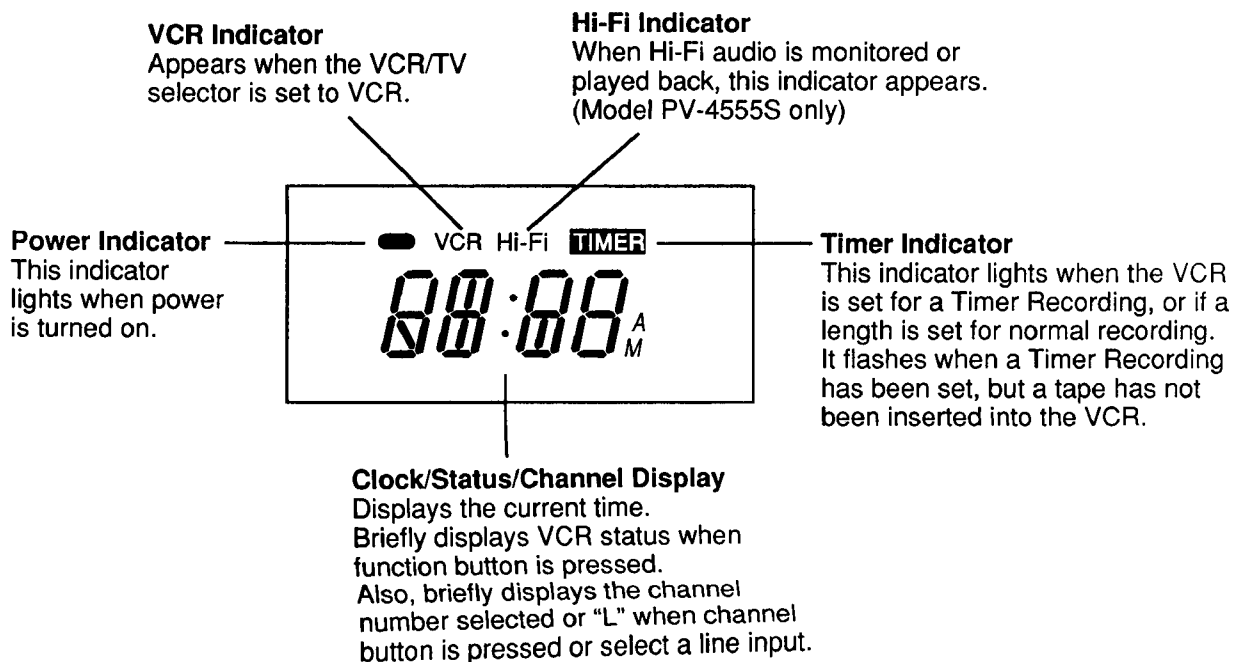
It is recommended that head cleaning be performed by a qualified service technician. Please contact your nearest Panasonic Service Center. An alternate solution is to obtain a head cleaning cassette. Be sure to follow the cleaning instructions carefully. Excessive use of a cleaning cassette could shorten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

## Product Specifications

<b>Power Source:</b>	120V AC, 60 Hz
<b>Power Consumption:</b>	Approx. 18 watts (PV-4515S) Approx. 23 watts (PV-4555S)
<b>Video Signal:</b>	EIA Standard NTSC color
<b>Video Recording System:</b>	4 rotary heads helical scanning system
<b>Audio Track:</b>	1 track (Normal) 2 channels (Hi-Fi Audio Sound) (PV-4555S only)
<b>Tuner:</b>	
<b>Broadcast Channels:</b>	VHF 2~13, UHF 14~69
<b>CATV Channels:</b>	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) Ultraband 65~94, 100~125
<b>Operating Temperature:</b>	41°F~104°F (5°C~40°C)
<b>Operating Humidity:</b>	10%~75%
<b>Weight:</b>	7.9 lbs. (3.6 Kg) (PV-4515S) 8.2 lbs. (3.7 Kg) (PV-4555S)
<b>Dimensions:</b>	14-3/16" (W) X 3-1/2" (H) X 11-1/4" (D) 360 (W) X 89 (H) X 285 (D) mm

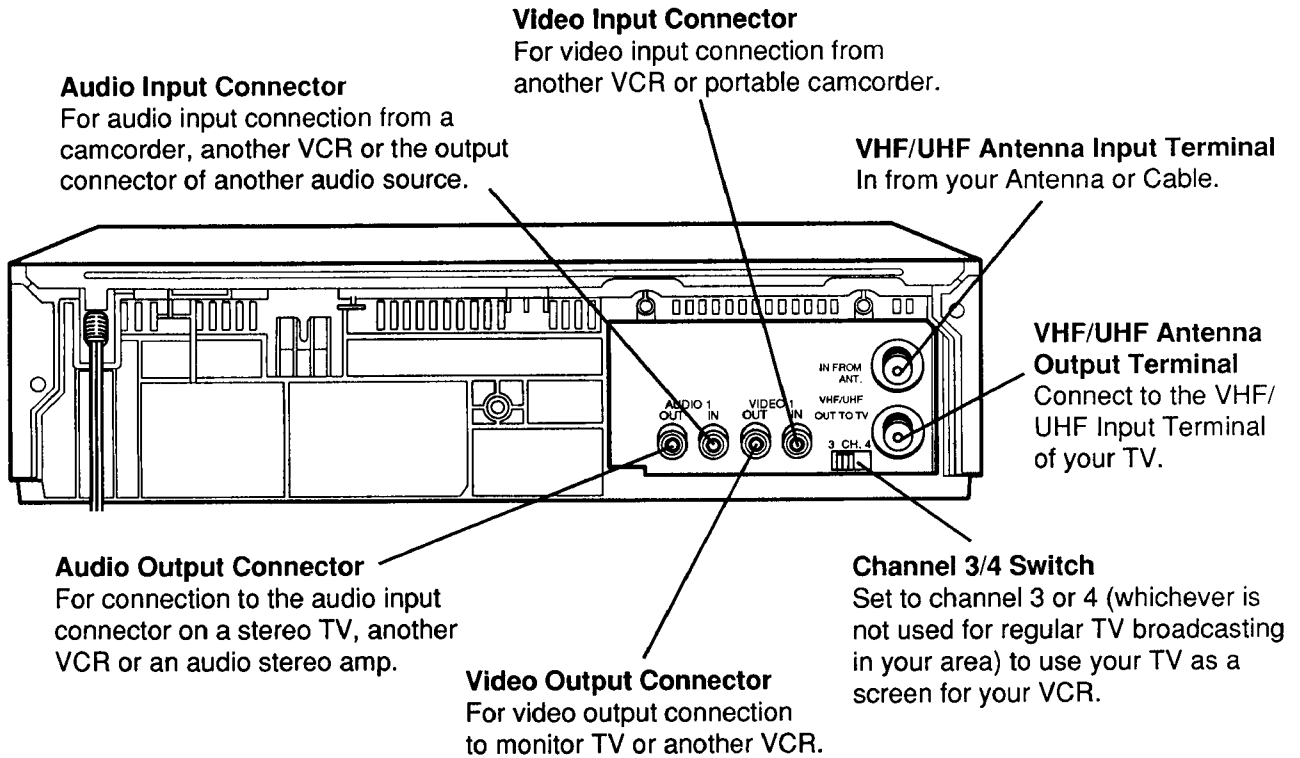
Note: Designs and specifications are subject to change without notice.

## Multi Function Display

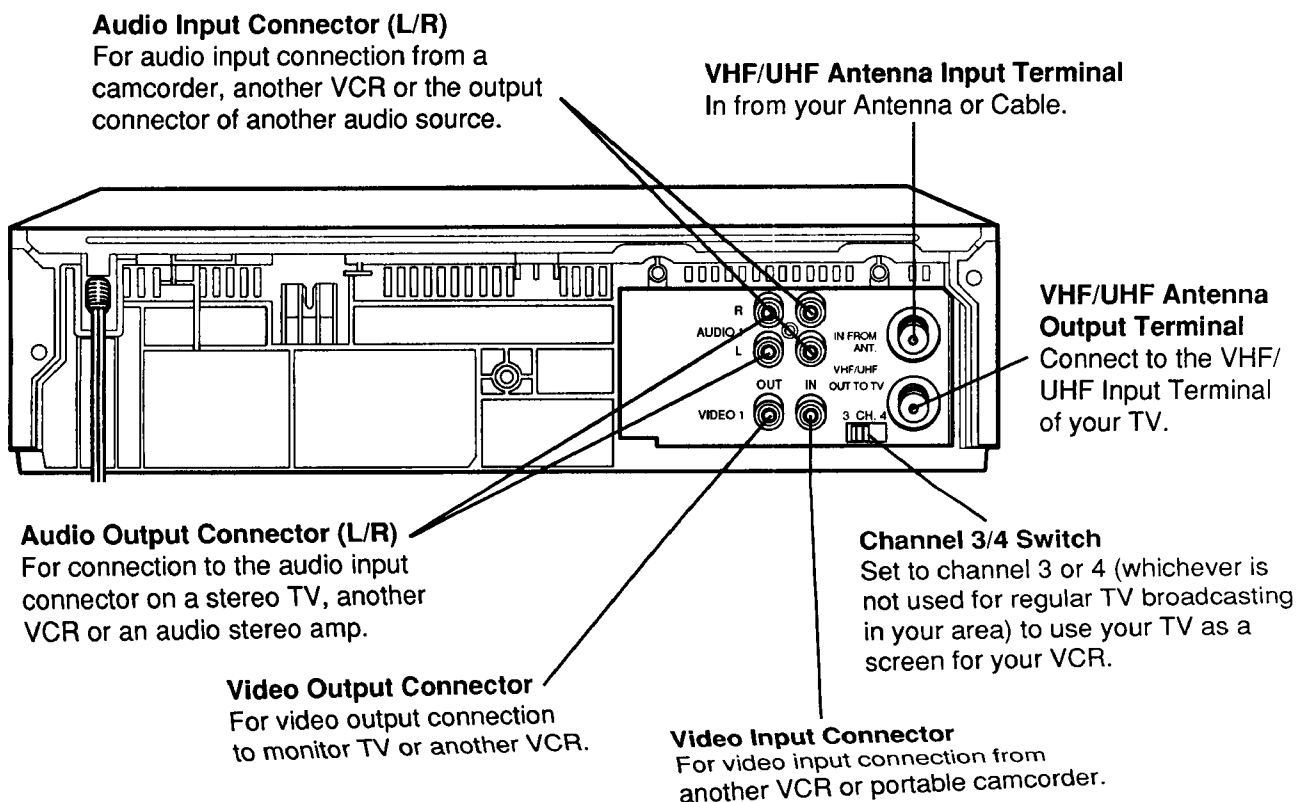


**Rear View of the VCR**

**• For Model PV-4515S**



**• For Model PV-4555S**



# Helpful Notes on Operations

## Special Playback Features

- During search playback, horizontal noise bars will appear on the TV screen.
- After the VCR is in the Still or Slow mode for 3 minutes it will go into the Stop mode automatically to protect the tape and video head.
- The special effects playback feature is intended for tapes recorded in SP or SLP speed. Tapes recorded in LP mode can also be viewed in special effects playback, but the picture may be completely snowy.

## Basic Recording

- While it is possible to change the tape speed when you are recording, there will be some distortion on the tape where the change occurred.
- After the VCR has been in Pause mode for 5 minutes, it will stop automatically to protect the tape and video head.

## Timer Recording

- Timer recording may not be performed or continue if a power interruption of more than about 1 minute occurs before or during timer recording, even if power resumes thereafter.
- If the start times of 2 preset programs overlap, the preset time of the lower numbered program will have priority.
- If the preset time for a timer recording comes up during a normal recording or One Touch Recording, the timer recording will not be performed.

## 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.
- 3) Complete the One Time VCR Setup section on page 4.

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

### Spring

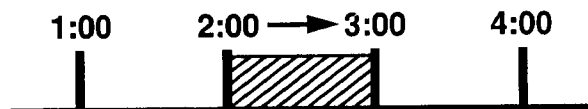
First Sunday in April (minus 1 hour)

Because the clock automatically changes from 2:00AM to 3:00AM, keep in mind that any part of a scheduled timer recording which falls between these two times will not be performed.

### Examples:

A recording set to begin at 1:30AM and end at 2:30AM will actually record for 30 minutes.

A recording set to begin at 1:30AM and end at 3:30AM will actually record for 1 hour, and so on.



### Autumn

Last Sunday in October (plus 1 hour)

The clock automatically changes from 2:00AM back to 1:00AM and therefore affects your recording length.

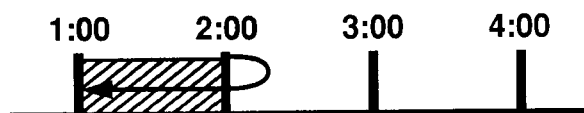
### Examples:

A recording set from 12:50AM to 2:30AM, will actually record for 2 hours and 40 minutes.

A recording set from 1:00AM to 1:30AM, will actually record for 30 minutes. (Not affected.)

A recording set from 1:30AM to 2:30AM, will actually record from 1:30AM to 2:00AM and then go into the Stop mode until it becomes 1:30AM again.

The recording will then continue until 2:30AM for a total recording time of 1 hour and 30 minutes.



- Even if a recording of a daily or weekly series is affected, other recordings of the series will be performed as programmed.

# Before Requesting Service

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

Power	Correction
<p>No power...</p>	<ul style="list-style-type: none"> <li>• Check that the Power Plug is completely connected to an AC outlet.</li> <li>• Check that the POWER button is set to on.</li> </ul>
Recording & Playback	Correction
<p>TV program can't be recorded...</p> <p>Timer recording can't be performed...</p> <p>There is no playback picture, or the playback picture is noisy or contains streaks...</p> <p>During special effects playback, the picture may contain some vertical jitter when using a TV which has an Automatic Vertical Hold Control...</p> <p>If the top of your playback picture waves back and forth excessively...</p>	<ul style="list-style-type: none"> <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.5)</li> <li>• Make sure that the record tab on the back of the cassette is still intact. (P.20)</li> <li>• Set the recording start/stop times correctly. (P.10)</li> <li>• Make sure that the POWER button is set to off. (P.10)</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> <li>• Select the same channel on your TV as that of the Channel 3/4 switch located on the rear panel of the VCR. (Separate Connection Guide)</li> <li>• Set the VCR/TV selector to "VCR". (P.7)</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.7)</li> <li>• Set the TV's Vertical Hold Control to "MANUAL" and then adjust it.</li> <li>• Because the VCR playback signal is not as stable as an off-the-air TV signal, the top of your TV screen may be bent or unstable during playback. To solve this problem, slowly turn the horizontal hold control on your TV to correct the wavy picture. If your TV does not have a horizontal hold control or adjusting the control does not help, please contact your local TV service center.</li> </ul>



<b>Remote Control</b>	<b>Correction</b>
<p>VCR can't be remote controlled...</p>	<ul style="list-style-type: none"> <li>• Aim the Remote Control directly at the remote sensor on the VCR. (Refer to Control Reference Guide.)</li> <li>• Avoid all obstacles which may interfere with the signal path.</li> <li>• Inspect or replace the batteries (P.2).</li> </ul>
<b>Miscellaneous</b>	<b>Correction</b>
<p>You can't view programs normally on TV...</p> <p>Video cassette can't be inserted...</p> <p>Video cassette can't be removed...</p> <p>Video cassette ejects when the REC and PLAY buttons are pressed or when the POWER button is pressed off to set the Timer...</p> <p>In the stop mode, the motor (CYLINDER) continues to rotate...</p>	<ul style="list-style-type: none"> <li>• Set the VCR/TV selector to "TV". (P.8)</li> <li>• Insert the cassette with the window side up and the record tab facing you.</li> <li>• Check that the power plug is completely connected to an AC outlet.</li> <li>• Make sure the record tab on the back of the cassette is still intact. (P.20)</li> <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>

# Spanish Quick Use Guide/Guía para rápida consulta

Los números/ letras azules (ej. **1** ~ **28**) corresponden a la guía de referencia de control de la página doblada (página del frente).

## 1 Elegir el idioma de la pantalla 2 Memorizar canales 3-5 Ajuste del reloj

Oprimir  **26** o  **1** (o **l** o **b**)

para elegir el idioma de la pantalla en inglés o español o français.

**1**

### SELECT LANGUAGE

PUSH VCR CH ▲ : ENGLISH  
PULSE VCR CH ▼ : ESPAÑOL  
APP. VCR/TV : FRANÇAIS

### AUTOPROGRAMAR CANAL

CONECTE EL CABLE DE LA ANTENA, LUEGO...  
PULSE LA TECLA VCR CH UP

- Esta pantalla aparece por unos segundos..

Oprimir  **26** (o **i**)

para empezar la programación automática de canales.

**2**

- Luego de memorizar los canales, aparece las siguientes indicaciones:

"AUTOPROGRAMACION COMPLETO"  
"POR FAVOR FIJE EL RELOJ CON LA TECLA MENU"

**3**

Oprimir  **9**

para que aparezca la pantalla de fijación del reloj.

----- FIJAR RELOJ -----  
VERANO : ACT  
ELEGIR MES  
GIRANDO LA RUEDA  
: PULSE LA RUEDA  
PARA TERMINAR PULSE MENU

Girar y oprimir  **24**

**4**

para seleccionar y fijar el mes, la fecha, la hora y D.S.T.(hora veraniega).

- El día de la semana aparece automáticamente.
- "VERANO:ACT" ajusta automáticamente la hora veraniega.  
(Para más detalles consulte la página 23.)

**5**

Oprimir  **9** dos veces

para hacer funcionar el reloj y salir de este modo.

----- FIJAR RELOJ -----  
2/ 2/1996 VIE 1:30PM  
VERANO : ACT  
FIJACION ES COMPLETO  
PARA CAMBIAR  
PULSE LA RUEDA O CLEAR  
PARA INICIAR PULSE MENU

## Fijación o cambio de la hora

Oprimir  **9** para que aparezca la pantalla del menú.

Luego, use  **24**

para elegir la pantalla de ajustamiento del reloj primeramente y luego fijar la hora y la fecha.

Ahora, oprimir  **9** dos veces

para hacer funcionar el reloj y salir de este modo.

----- MENU -----  
PREPARAR VCR  
FIJAR RELOJ  
FIJAR CANAL  
LANGUE/LANGUAGE  
(ESPAÑOL)  
ELEGIR : GIRE LA RUEDA  
FIJAR : PULSE LA RUEDA  
TERMINAR : PULSE MENU

----- FIJAR RELOJ -----  
2/ 2/1996 VIE 1:30PM  
VERANO : ACT  
ELEGIR MES  
GIRANDO LA RUEDA  
CLEAR : PULSE LA RUEDA  
PARA INICIAR PULSE MENU

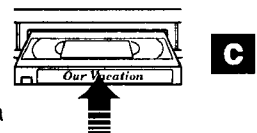
## Operación básica para la reproducción

Encender el televisor.  
Elegir el canal de la videograbadora (canal 3 o 4).

**1**

- El canal de la videograbadora es el mismo canal que ud. ha seleccionado en la parte trasera de la videograbadora (consultar la guía para conexiones).

Introducir una cinta



**2**

- La videograbadora se enciende automáticamente. Comienza a reproducir si la cinta no tiene la lengüeta para evitar borrado.

----- VCR -----  
Esta indicación aparece en la pantalla multifuncional.

**3**

Oprimir  **3** (o **j**) para comenzar a reproducir.

**4**

Oprimir  **4** (o **d**)

o  **17** (o **e**)

para localizar rápidamente una escena durante la reproducción.

- La velocidad de búsqueda en el modo SP es a 9 veces más rápida que la velocidad normal y en el modo SLP es a 27 veces más rápida.
- Durante la búsqueda aparece alguna barras du ruido.


**5**

Oprimir  **18** (o **f**) para parar la reproducción.


Luego, oprimir  **f** en la videograbadora para expulsar la cinta.

Quando se enciende la videograbadora por primera vez, aparecerá la pantalla de selección del idioma y la programación automática del canal, para la fijación del reloj siga las instrucciones de la pantalla.


## Operaciones básicas para la grabación

**1** Introducir una cinta con la lengüeta.  **C**

- La videograbadora se enciende automáticamente.


**2** Oprimir  **26** (o **i**) para seleccionar el canal que desea grabar.

PARADA CA 02

**3** Oprimir  **16** hasta que aparezca la velocidad de cinta que desea.


SLP

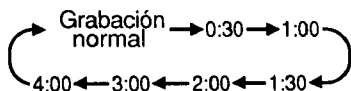
**4** Oprimir  **19** (o **j** y **k**) para empezar a grabar.

**5** Oprimir  **18** (o **f**) para parar la grabación.

## Grabación de un toque (OTR)

Ud. podrá fijar la videograbadora para parar automáticamente la grabación a una hora programada con la grabación de un toque.


En el paso 4, oprimir sucesivamente  **19** (o **k**) para fijar el tiempo de la grabación. Cada presión cambiará el tiempo como demuestra al siguiente.



## Notas útiles

- 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.

## Programación fácil para la grabación con temporizador

**1** Oprimir  **10** para el modo de programación.


Pantalla del TV

FECHA	INICIO	PARADA	CA
7 VIE	---	---	---
HOY	---	---	SLP

ELEGIR FECHA DE INICIO GIRANDO LA RUEDA

: PULSE LA RUEDA PARA TERMINAR PULSE PROG

- Si ya existe una programación, elegir un número sin programación con la rueda.

**2** Girar y oprimir  **24** para elegir y fijar cada paso de la programación (fecha, hora de inicio, etc.) como aparece en la pantalla.

ROTATE TO SELECT

Fijando la fecha

Girar la rueda hacia abajo

Fecha de hoy

Girar la rueda hacia arriba

SEMANAL (SAB) — 7 — 8 — 9 — 31


SEMANAL (LUN)

SEMANAL (DOM) — DIARIA — 6 —

Orden de selección con la rueda


## Para hacer correcciones:

Oprimir la rueda o el botón CLEAR repetidamente para retroceder al paso que desea.


**3** Oprimir  **10** para terminar la programación.

P	FE	INIC	PARADA	CA	VEL
1	8	9:00A	12:00A	08	SP
2	---	---	---	---	---
3	---	---	---	---	---
4	---	---	---	---	---

ELEGIR 1-8 : GIRE LA RUEDA  
 ENTRAR : PULSE LA RUEDA  
 ANULAR : PULSE CLEAR  
 TERMINAR : PULSE PROG

**4** Vuelva a oprimir  **10** para salir de este modo.

O repitiendo los pasos 2 y 3 para fijar el siguiente programa.

**5** Oprimir  **2** (o **a**) para apagar para conectar el temporizador.

La indicación TIMER aparece en la pantalla multifuncional.

TIMER

Other Information

# Quick Use Guide

This guide should only be used once you are familiar with the operations inside this manual. If you have any problems or need more information, please refer to the page listed.

## Clock Reset (page 5)

Display the menu

SELECT "SET CLOCK"

Set the clock

Start the clock & exit this mode

## Playback a Tape (page 7)

Turn TV on  
Select VCR  
Channel 3/4

Insert a tape

Start playback

Stop playback

Eject tape

## Make a Recording (page 8)

Turn TV on  
Select VCR  
Channel 3/4

Insert a tape  
with Record Tab

Select channel

Select speed

Start recording

Stop recording

## Set a Timer Recording (page 10)

Enter the Program mode

Enter timer information

Once to finish the program, twice to exit this mode

Turn VCR off to set the timer

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

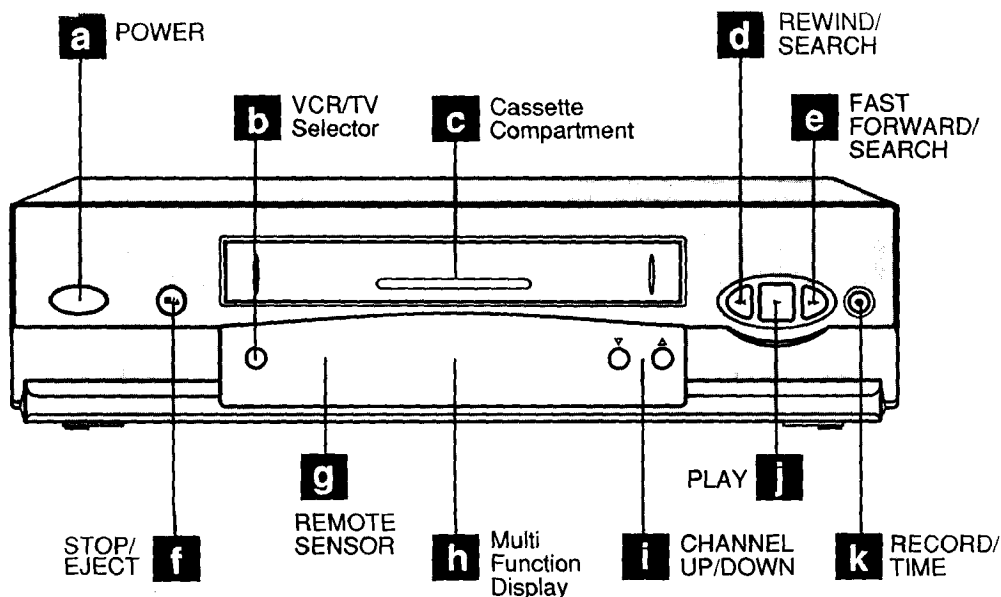
Panasonic Sales Company,  
Division of Matsushita Electric of  
Puerto Rico, Inc. ("PSC")  
Ave. 65 de Infanteria. Km. 9.5  
San Gabriel Industrial Park, Carolina,  
Puerto Rico 00985

Printed in Japan  
VQTS3102 (A)

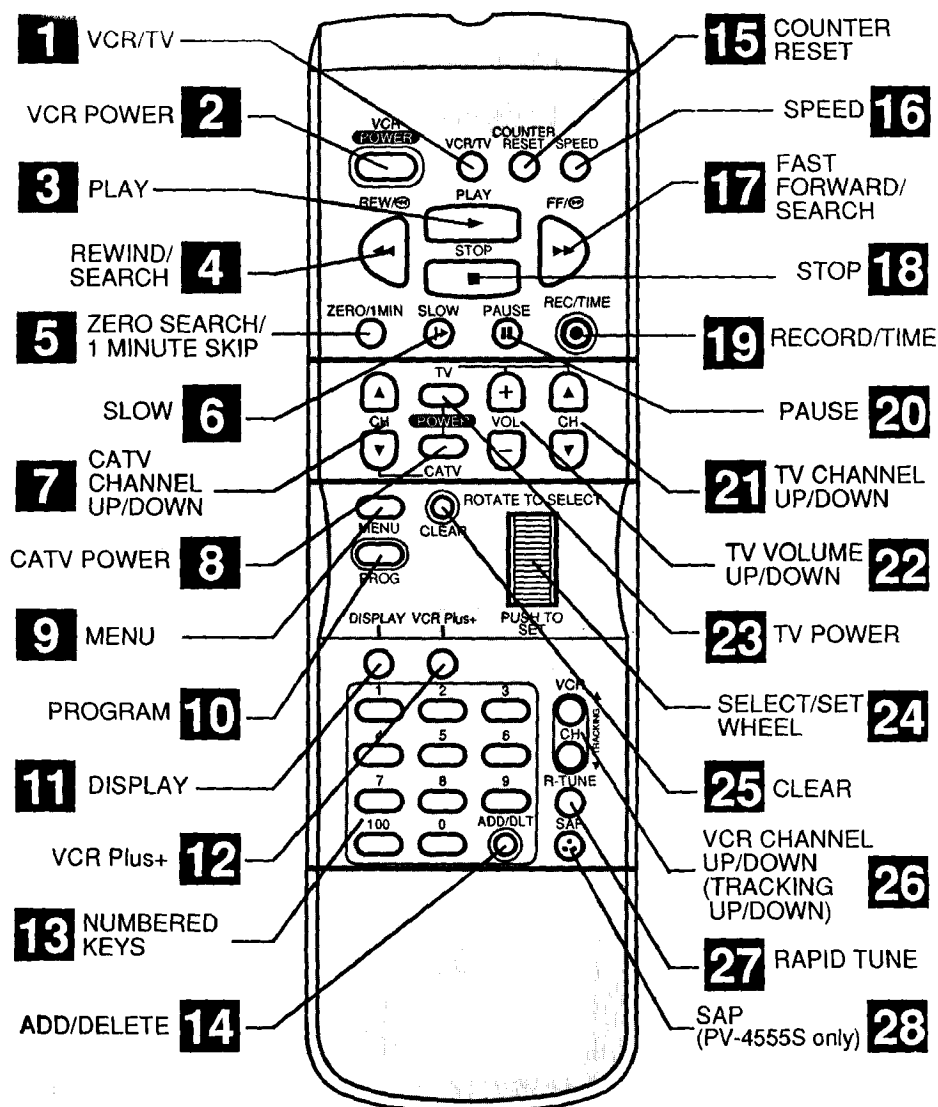


# Control Reference Guide

## VCR



## Remote Control



**Note:** Model PV-4555S remote control is shown here.

The numbers and letters above correspond with those used in the operating instructions. Please keep this page folded out when using the manual.

# *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 below. 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.

Date of Purchase \_\_\_\_\_

Dealer Purchased From \_\_\_\_\_

Dealer Address \_\_\_\_\_

Dealer Phone No. \_\_\_\_\_

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

**Open this flap to  
reveal the Control  
Reference Guide**

