**Important Safeguards and Precautions**

**FCC Warning:** Any unauthorized changes or modifications to this equipment would void the FCC compliance, which can result in the equipment being non-functional.

**For POLARIZED OR GROUNDING PLUG**

This plug will only fit into a three-hole grounding outlet. This is a safety feature. If you are unable to insert the plug fully into the outlet, contact a qualified electrician to replace your outlet. Do not defeat the safety purpose of the grounding plug.

**Power Cord**

If an extension cord is used, make sure it is also grounded and polarized. Make sure power cords are routed so that they are not likely to be walked on or pinched by items placed on them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**Overloaded Outlets and Extension Cords**

Overloaded outlets and extension cords are fire hazards. Avoid risk of fire, shock, or other hazards.

**Avoid Risk of Damage**

Do not place this unit on any heater or radiator, in direct sunlight, inside a car, near a heat source, or in a location where it will be exposed to high humidity or dust.

**Cleaning the Unit**

Spray, or seep into the unit and cause electrical shock. Any cleaning solution should be applied to a clean cloth and then used to clean the unit. Do not use volatile solvents such as alcohol, benzine, thinner, or any other chemicals, as these may damage the case or rack.

**SAFETY PRECAUTIONS**

- Do not place this unit on any heater or radiator, in direct sunlight, inside a car, near a heat source, or in a location where it will be exposed to high humidity or dust.
- Do not place this unit near a magnet or under a strong magnetic field. A strong magnetic field can cause damage to the unit.
- When replacing the batteries, make sure to use the correct battery type. Use of the wrong battery type can cause damage to the unit.
- Do not place this unit near a high-voltage power source. Doing so can cause damage to the unit.
- Do not place this unit in a location where it will be exposed to direct sunlight or high humidity. Doing so can cause damage to the unit.
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While plugged into an AC outlet, the AC Power Plug building, as close to the point of cable entry as practical.

- **Canadian Electrical Code in Canada** that provides guidelines
- **Hi-Fi Indicator**

1. Insert a cassette
2. Press EJECT
3. Press PLAY
4. Press PAUSE/SLOW during recording to continue

- **Timer**
- **SLP**

- **N Y REP**

- **VHF/UHF**

- **Antenna/Cable**

- **Output Terminal**

- **Lights up when the VCR is set for a Timer**

- **Auto Clock Set**

- **Clock**

- **Timer**

- **VCR**

- **CLOCK**

- **CHANNEL**

- **PROG.**

- **LISTA**

- **BUYING**

- **PLUG**

- **SEPARACIÓN**

- **USER**

- **CONTROL**

- **PAIR**

- **SEP**

- **VCR**

- **TV**

- **REMOTE**

- **SERVICE**

- **WARRANTY**

- **Panasonic**

- **PV-V4022/PV-V4522**

- **Limited Warranty**

- **Customer Services Directory**

- **Table of Contents**

- **Spanish-Depend**

- **Quick Use Guide**

- **Location of Controls**

- **Location of Controls Display**

- **Power Indicator**

- **Locate the connections for AC outlet before starting the unit or connecting the VCR to the TV.**

- **Customer Product Safety brochure** with the unit or Connecting the VCR to the TV.

- **Panasonic**

- **PV-V4022/PV-V4522**

- **Limited Warranty**

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- **Spanish-Depend**

- **Quick Use Guide**

- **Location of Controls**

- **Location of Controls Display**

- **Power Indicator**

- **Locate the connections for AC outlet before starting the unit or connecting the VCR to the TV.**

- **Customer Product Safety brochure** with the unit or Connecting the VCR to the TV.
Check the following points once again if you are having trouble with your VCR.

1. Make sure VCR power is on.
2. Check connections selection. (BO p. 4, AO p. 3)
3. Completely insert Power Plug into an AC outlet.
4. Check Remote batteries. (BO p. 3)
5. The operation of steps 4 and 5 must be done on both playing and recording, even after power is restored.

To Monitor Dubbing on Your TV

PV-V4522: Connect AUDIO L/R OUT jacks on Playing VCR to AUDIO L/R IN jacks on VCR. To do this, press CH "L2" and "R2". (Mono) IN FROM ANT. "VIDEO OUT R" will appear on screen. Turn your TV on and tune to the channel that appears on your VCR. Press PLAY button to Start Dubbing.

Method 1:

Press CH "L2" and "R2" to select "VIDEO 2 IN FROM ANT R".

Method 2:

Press CH "L2" and "R2" to select "VIDEO 2 IN FROM ANT R" and press REC button on the remote.

The operation of steps 4 and 5 must be done on both playing and recording, even after power is restored.

If a remote control button does not work when pressed, a cassette is inserted for 7 sec. (Advanced Operations)

Weak Signal Display ON/OFF Feature

(For Model PV-V4522 only)

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

VCR Lock cancels in 24 hours if clock is set.

Display will change as below.

1) Press ACTION to display MENU.

2) Press SELECT to select ON-SCREEN DISPLAYS.

3) Press SELECT to select DISPLAY, and press SELECT to select WEAK SIGNAL DISPLAY:

4) Press ACTION to return to normal screen.

Please read these instructions carefully before attempting to connect, operate or adjust this product. Please save this manual.
Multi-Brand Control Feature

Advanced Connections

MTS Broadcast

For Model PV-V4022 only

Audio Mode for Recording

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

For Model PV-V4522 only

Audio Mode for Playback

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

VHS Hi-Fi Stereo System

Search System

For Model PV-V4522 only

Search System

Audio Mode for Recording

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

For Model PV-V4522 only

Audio Mode for Playback

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

Search System

For Model PV-V4522 only

Search System

Audio Mode for Recording

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

For Model PV-V4522 only

Audio Mode for Playback

1. Press SAP/HI-FI repeatedly to select "FM" or "AM".
2. Select channel (00-99) using the number buttons.
3. Press 1 (or hold down) to select "MONO".
4. The selected audio mode is displayed on-screen.

VHS Hi-Fi Stereo System

Search System

For Model PV-V4522 only

Search System
**Multi-Brand Control Feature**

The following features are available when using a multi-brand remote control:

1. Press the TV Brand Code Button found below.
2. Press the TV Brand Code Button found below.
3. Press the TV Brand Code Button found below.

These features work with different brands of TVs:

- **Magnavox**: 05
- **Sanyo**: 10
- **Toshiba**: 09

Please refer to your TV's manual for instructions on how to use the remote control.

**Notes**

- **Be sure to connect your TV to the cable box.**
- **Press POWER to turn off your TV.**
- **SPEED, CM/ZERO, RESET COUNTER, TAPE POSITION**
- **If your TV has AUDIO IN and VIDEO IN terminals, you can connect your VCR to your TV.**

**Connect With Two Cable Boxes**

For Model PV-V4022 only

1. Connect the VCR's AUDIO OUT jacks to the TV's AUDIO IN jacks.
2. Connect the TV's AUDIO OUT jacks to the VCR's AUDIO IN jacks.
3. Set the VCR's OUTPUT CH to 3 and the TV's INPUT CH to 3.
4. Press SEARCH to display SEARCH.

**VHS Hi-Fi Stereo System**

For Model PV-V432 only

**Audio Mode for Recording**

1. Press SEARCH to display SEARCH.
2. Press SAP/Hi-Fi repeatedly to select desired mode.

**MTS Broadcast**

For Model PV-V432 only

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

**VHS Hi-Fi Stereo System**

For Model PV-V432 only

1. Press SEARCH to display SEARCH.
2. Press SAP/Hi-Fi repeatedly to select desired mode.
3. Press SAP/Hi-Fi repeatedly to select desired mode.

**Commercial Skip**

Press SEARCH to display SEARCH.

**Index Search**

Press SEARCH to display SEARCH.

**Repeat Play**

Press SEARCH to display SEARCH.

**Zero Search**

Press SEARCH to display SEARCH.

**Program 1 Search**

Press SEARCH to display SEARCH.

**Program 2 Search**

Press SEARCH to display SEARCH.

**Program 3 Search**

Press SEARCH to display SEARCH.

**End Search**

Press SEARCH to display SEARCH.

**Search System**

For each recording, a vertical index bar is placed on the tape. A program index and time data are recorded for each recording. These marks are used to access or scan recordings.

**Notes**

- **Be sure to connect your TV to the cable box.**
- **Press POWER to turn off your TV.**
- **SPEED, CM/ZERO, RESET COUNTER, TAPE POSITION**
- **If your TV has AUDIO IN and VIDEO IN terminals, you can connect your VCR to your TV.**

**Connect With Two Cable Boxes**

For Model PV-V4022 only

1. Connect the VCR's AUDIO OUT jacks to the TV's AUDIO IN jacks.
2. Connect the TV's AUDIO OUT jacks to the VCR's AUDIO IN jacks.
3. Set the VCR's OUTPUT CH to 3 and the TV's INPUT CH to 3.
4. Press SEARCH to display SEARCH.
Multi-Brand Control Feature

Advanced Connections

If your TV has AUDIO IN and VIDEO IN jacks, you can control your VCR or TV to receive higher quality picture and sound.

TV Brand Code Numbers

- GE ......................................... 03
- Sanyo .................................... 10
- Sony ...................................... 08
- Sharp ............................... 06, 07
- Hitachi ................................... 12
- Panasonic ............................ 09
- Toshiba ................................ 11
- RCA ................................. 04, 05
- LG ........................................ 01, 02

Notes

- Not all functions listed may be controllable.
- Selections in this manual are for reference only. If your product requires any additional programming, refer to your product instruction book.

MTS Broadcast

For Model PV-V4522 only

Select the broadcast type and language as shown below.

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

Notes

- Standard stereo tapes will playback in monaural sound.
- If search time exceeds a few seconds in FF mode and stop at unrecorded portion, that mark may be skipped over.
- If a remote control button does not work when pressed, please check VCR button on the remote control by the button again.

VHS Hi-Fi Stereo System

For Model PV-V4522 only

Audio Mode for Recording

1. Press MTS/Hi-Fi repeatedly to display audio mode.
2. Press MTS/Hi-Fi repeatedly to display broadcast type.
3. Do recording.

Audio Mode for Playback

1. Start playback.
2. Press MTS/Hi-Fi repeatedly to select desired mode.
3. Press MTS/Hi-Fi repeatedly to select desired mode.

Notes

- If search time exceeds a few seconds in FF, the remote control button may not work when pressed.

Search System

For Model PV-V4522 only

Search Type

- STOP
- FF
- REW
- SP
- LP
- EP

Notes

- If a remote control button does not work when pressed, please check VCR button on the remote control by the button again.

VCR TV

- VCR or TV functions can be selected.
- Confirm code entry.
- After remote is set up, you can select VCR or TV for the desired function.

Notes

- If your unit does not respond to the first code, please try the next one.

CATV Connections

Connect with Two Cable Boxes

- Connect With Two Cable Boxes

Notes

- Make the Audio/Video Connection as shown on page 3.
- Secondary Audio Program (sub language) broadcast.

MTS Broadcast

For Model PV-V4522 only

Notes

- The signal being received is indicated with an arrow.
- SAP broadcast
- MONO broadcast
- MTS reproduction.

Tape Operation

Zero Search

Press STOP twice.

Notes

- If FF or REW is detected, you can search for the exact point of recording.
Before Requesting Service

Check the following before you call, as you may be able to resolve the problem on your own.

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

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

Remote Control

1. Make sure the remote control is not in progress.
2. Make sure the remote control is not in progress.

Timer recording cannot be... (BO p. 3)

1. Make sure Timer Record is not in progress.

Check connections between VCR, external antenna, and...

1. Make sure Power Plug is inserted into an AC outlet.
2. Make sure cassette record tab is intact. (BO p. 3)

TV program cannot be recorded...

1. Make sure VCR power is on.

Avoid any object blocking signal path.

1. Make sure VCR power is on.

Aim Remote Control directly at remote sensor on VCR.

1. Make sure VCR power is on.

Correction

1. Make sure VCR power is on.

Basic Operations

1. Make sure Timer Record is not in progress.

Correction

1. Make sure Timer Record is not in progress.

Special VCR Features

Auto Shut-Off Feature

1. Make sure Timer Record is not in progress.

Remote Warning

1. Make sure Timer Record is not in progress.

Replay Operation

1. Make sure Timer Record is not in progress.

Function & Channel Displays

1. Make sure Timer Record is not in progress.

VCR Status & Clock Displays

1. Make sure Timer Record is not in progress.

On-Screen Displays (OSD)

1. Make sure Timer Record is not in progress.

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

1. Make sure Timer Record is not in progress.

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TV—CABLE—VCR—LNS

VCR’s Output Channel

1. Make sure Timer Record is not in progress.

Set the Language Icon to the

1. Make sure Timer Record is not in progress.

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Before Requesting Service

Check the following points before you request service:

1. Have you followed all the instructions in this manual?
2. Is the problem listed in the Troubleshooting Guide?
3. Is the power cord plugged in correctly?
4. Are there power plugs connected to the wall outlet?
5. Are the connections correct?
6. Are you using the correct settings?
7. Are you using the correct buttons?
8. Are you using the correct remote control?
9. Are you using the correct VCR?
10. Are you using the correct tape?

If you cannot resolve the problem, please call the Customer Call Center for product support.

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

If you cannot resolve the problem, please call the Customer Call Center for product support.

ON-SCREEN DISPLAYS

To select a channel, press the CH UP/DOWN buttons on the remote control. To change the volume, press the VOLUME buttons on the remote control.

Special VCR Features

Copy Your Tapes (Dubbing)

1. Turn off the VCR and TV.
2. Insert a tape into the VCR's tape compartment.
3. Set the VCR's tape selector to the recording tape.
4. Set the VCR's tape selector to the recording VCR.
5. Press the RECORD button on the remote control.
6. Press the PLAY button on the remote control.

Copying Your Tapes (Dubbing)

1. Turn on the VCR and TV.
2. Insert a tape into the VCR's tape compartment.
3. Set the VCR's tape selector to the recording tape.
4. Set the VCR's tape selector to the recording VCR.
5. Press the RECORD button on the remote control.
6. Press the PLAY button on the remote control.

Copying Your Tapes (Dubbing)

1. Turn on the VCR and TV.
2. Insert a tape into the VCR's tape compartment.
3. Set the VCR's tape selector to the recording tape.
4. Set the VCR's tape selector to the recording VCR.
5. Press the RECORD button on the remote control.
6. Press the PLAY button on the remote control.

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5. Press the RECORD button on the remote control.
6. Press the PLAY button on the remote control.

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