

Panasonic

Combination VCR Operating Instructions

Models No. PV-C911 / PV-C921
PV-C931W



Omnivision VHS



- Initial Setup and Connection Procedures are on pages 8 to 13.
- SELF-DEMO Procedure is on page 4.



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

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

Spanish Quick Use Guide is included.

(Guía para rápida consulta en español está incluida.)

LSQT0341A

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

Initial Setup

Basic Operation

TV Operation

Timer Operation

Advanced Operation

For Your Information

Important Safeguards and Precautions

READ AND RETAIN ALL SAFETY AND OPERATING INSTRUCTIONS. HEED ALL WARNINGS IN THE MANUAL AND ON UNIT

INSTALLATION

1 POWER SOURCE CAUTION

Operate only from power source indicated on unit or in this manual. If uncertain, have your Electric Utility Service Company or Video Products Dealer verify your home power source.

2 POWER CORD PLUG

For safety, this unit has a polarized type plug (one wide blade), or a three-wire grounding type plug. Always hold the plug firmly and make sure your hands are dry when plugging in or unplugging the AC power cord. Regularly remove dust, dirt, etc. on the plug.

POLARIZED PLUG CAUTION:

The plug fits into outlet one way. If it cannot be fully inserted, try reversing it. If it still will not fit, have an electrician install the proper wall outlet. Do not tamper with the plug.

GROUNDING PLUG CAUTION:

The plug requires a three-hole grounding outlet. If necessary, have an electrician install the proper outlet. Do not tamper with the plug.

3 POWER CORD

To avoid unit malfunction, and to protect against electrical shock, fire or personal injury:

- Keep power cord away from heating appliances and walking traffic. Do not rest heavy objects on, or roll such objects over the power cord.
- Do not tamper with the cord in any way.
- An extension cord should have the same type plug (polarized or grounding) and must be securely connected.
- Overloaded wall outlets or extension cords is a fire hazard.
- Frayed cords, damaged plugs, and damaged or cracked wire insulation are hazardous and should be replaced by a qualified electrician.

4 DO NOT BLOCK VENTILATION HOLES

Ventilation openings in the cabinet release heat generated during operation. If blocked, heat build-up may result in a fire hazard or heat damage to cassettes.

For your protection:

- Never cover ventilation slots while unit is ON, or operate unit while placed on a bed, sofa, rug, or other soft surface.
- Avoid built-in installation, such as a book case or rack, unless properly ventilated.

5 AVOID EXTREMELY HOT LOCATIONS OR SUDDEN TEMPERATURE CHANGES

Do not place unit over or near a heater or regulator, in direct sunlight, etc. If unit is suddenly moved from a cold place to a warm place, moisture may condense in unit and on the tape causing damage.

6 TO AVOID PERSONAL INJURY

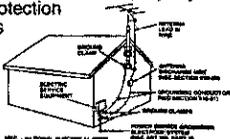
- Never place unit on support or stand that is not firm, level, and adequately strong. The unit could fall causing serious injury to a child or adult and damage to the unit.
- Move any appliance and cart combination with care. Quick stops, excessive force, and uneven surfaces may cause objects to overturn.
- Carefully follow all operating instructions.



OUTDOOR ANTENNA INSTALLATION

1 SAFE ANTENNA AND CABLE CONNECTION

An outside antenna or cable system must be properly grounded to provide some protection against built up static charges and voltage. Section 810 of the National Electrical Code, ANSI/NFPA 70 (in Canada, part 1 of the Canadian Electrical Code) provides information



regarding 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.

2 KEEP ANTENNA CLEAR OF HIGH VOLTAGE POWER LINES OR CIRCUITS

Locate an outside antenna system well away from power lines and electric light or power circuits so it will never touch these power sources should it ever fall. When installing antenna, absolutely never touch power lines, circuits or other power sources as this could be fatal.

USING THE UNIT

Before unit is brought out of storage or moved to a new location, refer again to the INSTALLATION section of these safeguards.

1 KEEP UNIT WELL AWAY FROM WATER OR MOISTURE

such as vases, sinks, tubs, etc.

2 IF EXPOSED TO RAIN, MOISTURE, OR STRONG IMPACT

unplug unit and have it inspected by a qualified service technician before use.

3 ELECTRICAL STORMS

During a lightning storm, or before leaving unit unused for extended periods of time, disconnect all equipment from the power source as well as the antenna and cable system.

4 WHEN UNIT IS PLUGGED IN

• DO NOT OPERATE IF:

- liquid has spilled into unit.
- unit was dropped or otherwise damaged.
- unit emits smoke, malodors, or noises.

Immediately unplug unit, and have it inspected by a service technician to avoid potential fire and shock hazards.

- Never drop or push any object through openings in unit. Touching internal parts may cause electric shock or fire hazard.
- Keep magnetic objects, such as speakers, away from unit to avoid electrical interference.

5 USING ACCESSORIES

Use only accessories recommended by the manufacturer to avoid risk of fire, shock, or other hazards.

6 CLEANING UNIT

Unplug unit. Use a clean, dry, chemically untreated cloth to gently remove dust or debris. DO NOT USE cleaning fluids, aerosols, or forced air that could over-spray, or seep into unit and cause electrical shock. Any substance, such as wax, adhesive tape, etc. may mar the cabinet surface. Exposure to greasy, humid, or dusty areas may adversely affect internal parts.

SERVICE

1 DO NOT SERVICE PRODUCT YOURSELF

If, after carefully following detailed operating instructions, the unit does not operate properly, do not attempt to open or remove covers, or make any adjustments not described in the manual. Unplug unit and contact a qualified service technician.

2 REPLACEMENT OF PARTS

Make sure the service technician uses only parts specified by the manufacturer, or have equal safety characteristics as original parts. The use of unauthorized substitutes may result in fire, electric shock, or other hazards.

3 SAFETY CHECK AFTER SERVICING

After unit is checked or repaired, request that a thorough safety check be done as described in the manufacturer's service literature to insure video unit is in safe operating condition.

Safety Precautions / Mesures de sécurité

Warning:

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

Caution:

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Avertissement:

Afin de prévenir tout risque d'incendie ou de chocs électriques, ne pas exposer cet appareil à la pluie ou à une humidité excessive.

Attention:

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment. Only use those tapes with the **HQ** 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 television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

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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Before Using

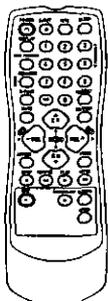
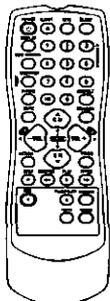
Congratulations

on your purchase of one of the most sophisticated and reliable products on the market today. Used properly, it will bring you and your family years of enjoyment.

Please fill in the information below. The serial number is on the tag located on the back of your unit.

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

Accessories



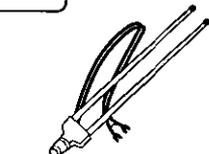
- Remote Control
LSSQ0281
(PV-C921)
LSSQ0282
(PV-C931W)

- Remote Control
LSSQ0280
(PV-C911)

- Batteries 
2 "AA" 



- 300 ohm-75 ohm
Transformer
VSQS0974



- Indoor Antenna
TSA700009



- AC Power Cord
VJAW0044
(PV-C911, PV-C921)
LFX6109A
(PV-C931W)



- DC Car Cord (2m)
LFX6301A

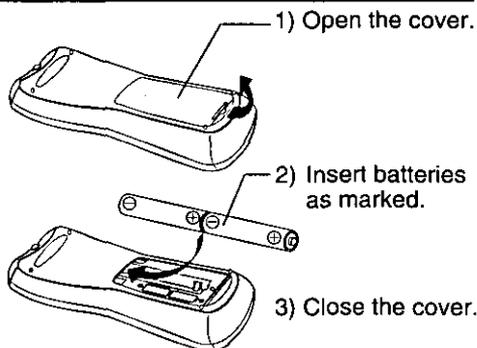
To order accessories, call toll free 1-800-332-5368.

SELF-DEMO Mode

With Power ON, press **PLAY/REPEAT** on the unit for 7 seconds to deactivate the **SELF-DEMO Mode**.

Repeat this to display demo screen.

Loading the Batteries

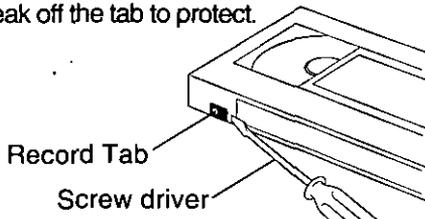


Battery replacement caution

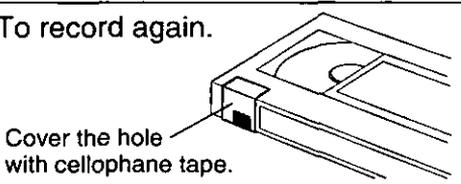
- Do not mix old and new batteries.
- Do not mix alkaline with manganese batteries.

Prevent Accidental Tape Erasure

Break off the tab to protect.

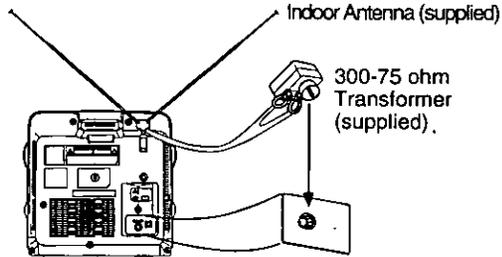


To record again.



Indoor Antenna Connections

Insert the Indoor antenna (supplied) into the receptacle on the back of the unit. Then, connect the two wires to the 300 ohm-75 ohm transformer (supplied.) Next, connect the transformer to the back of the unit as shown. Now, extend the antenna and adjust its length, direction and angle for the clearest picture.

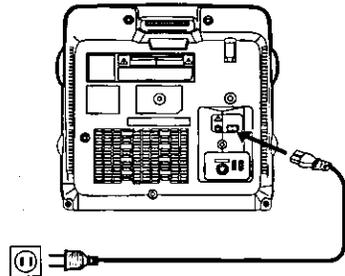


Connecting to a Power Source

Your unit goes where you go with two different ways to supply power. You may connect the supplied AC (alternate current) cord for use with any AC outlet. Or when travelling, connect the supplied DC (direct current) Car Battery cord which can be inserted in your vehicle's cigarette lighter. For your safety and to avoid damage to the unit, please follow instructions and connections carefully.

■ Connecting the (supplied) AC Cord

1. Connect the supplied AC cord to the AC input jack on the back of the unit as shown.
2. Plug the AC cord into an AC wall outlet.

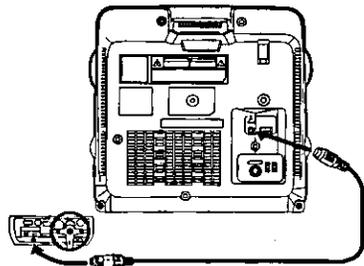


■ Connecting the (supplied) DC Cord

1. Connect the DC Car Battery cord to the DC input on the back of the unit as shown.
2. Start the engine of your vehicle.
 - **DO NOT** insert the cord into the cigarette lighter until the engine is running.
3. Remove the cigarette lighter from its socket and insert the Car Battery plug in its place.

IMPORTANT NOTES

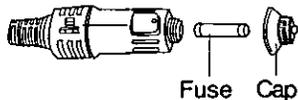
- This cord can only be used in vehicles equipped with DC 12V or 24V (negative ground) batteries. Check your car's owner's manual.
- Use only the Car Battery cord packed with your unit.
- To avoid a loss of voltage, do not attach an extension to the Car Battery cord.
- When unit is not in use, disconnect the Car Battery cord from the cigarette lighter socket to save car battery.



■ Replacing the DC Car Cord Fuse

If the safety fuse in the car cord plug blows out, replace it as follows.

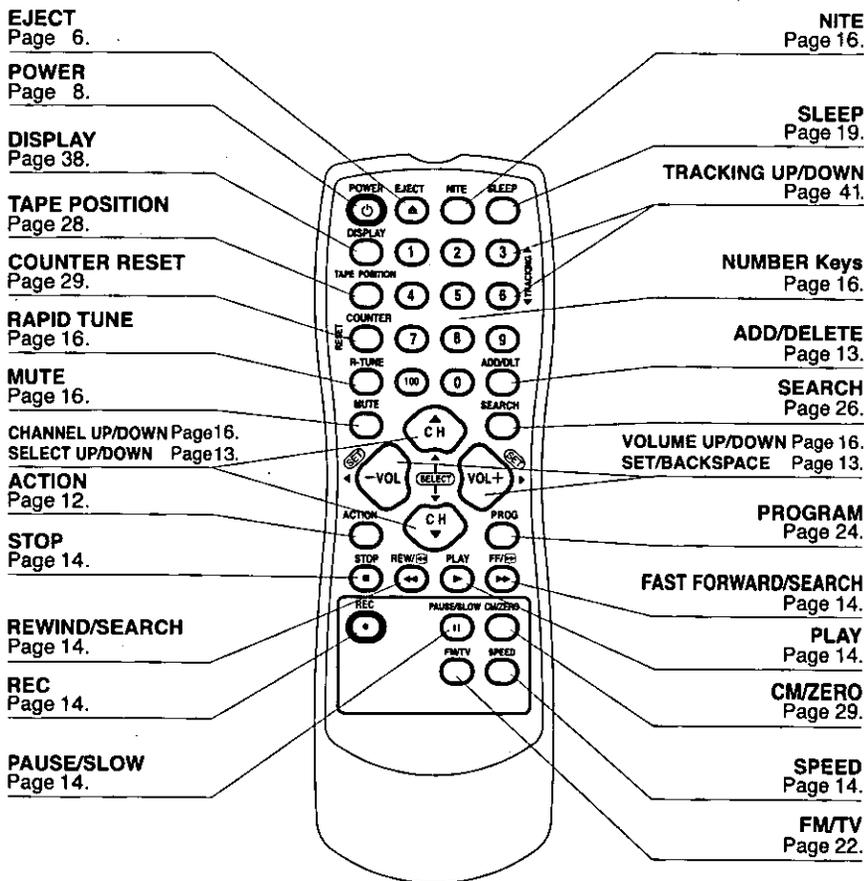
1. Unscrew the cap (counterclockwise.)
2. Replace using a 125V 10A fuse.
 - Only use fuses with the exact voltage and amps specified.
3. Replace the cap (clockwise.)



Remote Control Buttons

EJECT button:

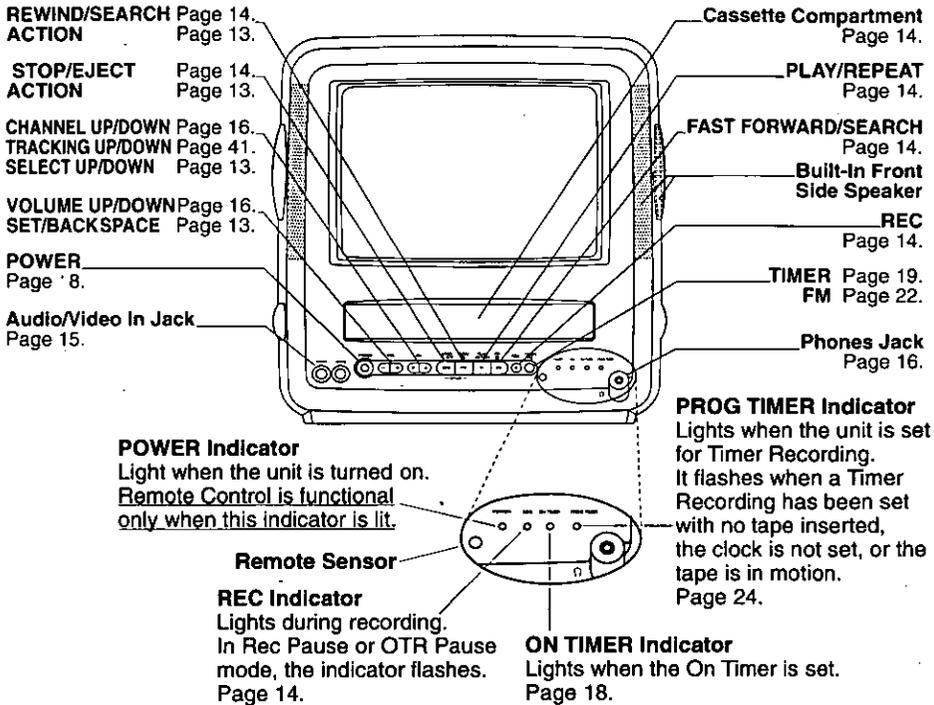
When EJECT is pressed, the tape is ejected from Cassette Compartment.
If EJECT is pressed during recording, the unit will not respond to the command.



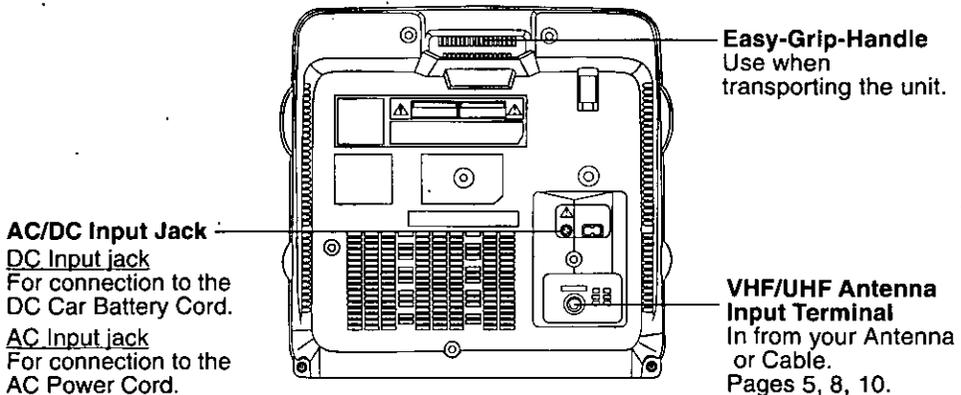
<Model PV-C921/PV-C931W remote shown>

Front View of the unit and Indicators on the Front Panel

<Model PV-C921/PV-C931W unit shown>



Rear View of the unit

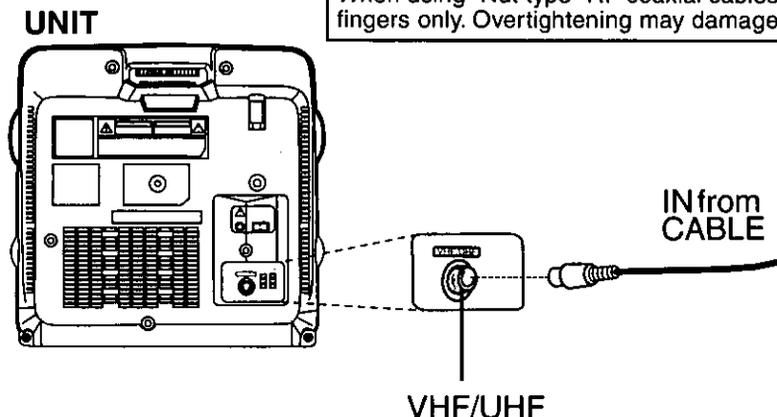


Initial Setup for ANT./ Cable Connection

How to Connect

- Connect the Cable from Antenna/Cable to the VHF/UHF terminal on unit.

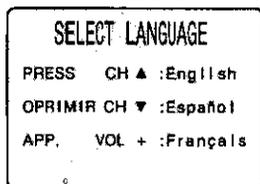
WARNING:
When using "Nut type" RF coaxial cables, tighten with fingers only. Overtightening may damage terminals.



How to do Initial Setup

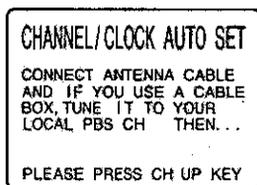
1 Press **POWER** on the unit.

2 When the unit is turns on the first time, **SELECT LANGUAGE** screen appears.



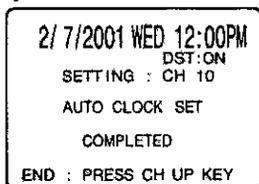
3 Press **CH ▲** to select English.
OR
Press **CH ▼** to select Spanish (Español).

OR
Press **VOL +** to select French (Français).
CHANNEL/CLOCK AUTO SET screen appears.

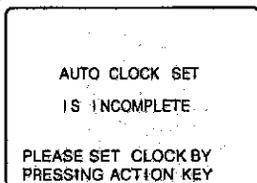


- If wrong language is set, complete "Reset all unit Memory Functions" steps page 9.

- 4** Press **CH ▲** Key to start **CHANNEL / CLOCK AUTO SET** operation. Settings are performed automatically. If the setup is completed, the following screen is displayed.



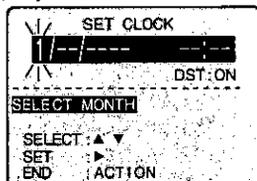
If **AUTO CLOCK SET IS INCOMPLETE** screen appears, set the clock using **MANUAL CLOCK SET** procedures as below.



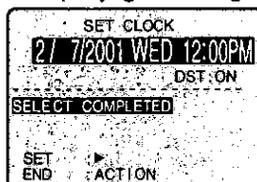
MANUAL CLOCK SET

If **AUTO CLOCK SET** was incomplete, manually set the clock as follows.

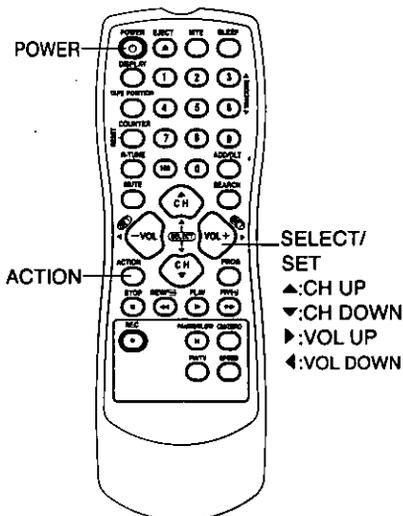
- 1** Press **ACTION** Key on the Remote to display **SET CLOCK** Menu screen.



- 2** Press **▲▼** to select the month and press **▶** to set. In the same manner, select and set the date, year, time, and DST. (Daylight Saving Time).



- 3** Press **ACTION** Key twice to start **CLOCK** and exit.



Model PV-C921/PV-C931W remote is shown here.

Reset all unit Memory Functions

When moving unit to a new location, or if a mistake was made in the Initial Setup section.

- Make sure a tape is not inserted in the unit.

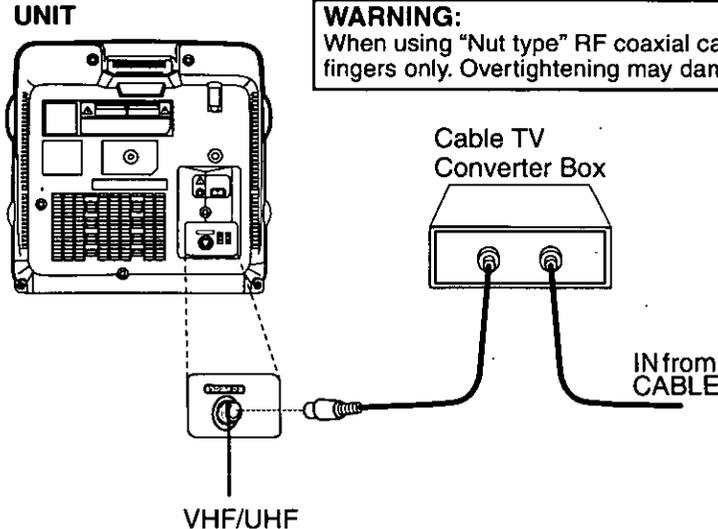


- 1 Turn the unit Power on.
- 2 Press and hold both **PLAY** and **FF** on the unit for more than 5 seconds.
 - The power will shut off.
- 3 Do "Initial Setup" on page 8.

Initial Setup for DSS / Cable box Connection

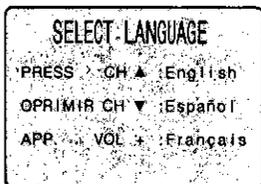
How to Connect

- Connect the OUT Jack on your cable box to the VHF/UHF terminal on unit with an RF cable.

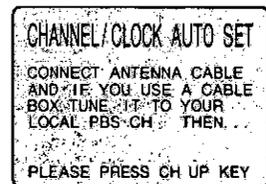


How to do Initial Setup

- 1 Press **POWER** on the unit.
- 2 When the unit is turns on the first time, **SELECT LANGUAGE** screen appears.



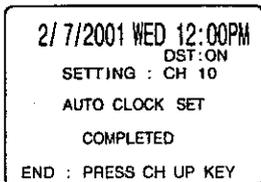
- 3 Press **CH ▲** to select English.
OR
Press **CH ▼** to select Spanish (Español).
OR
Press **VOL +** to select French (Français).
CHANNEL/CLOCK AUTO SET screen appears.



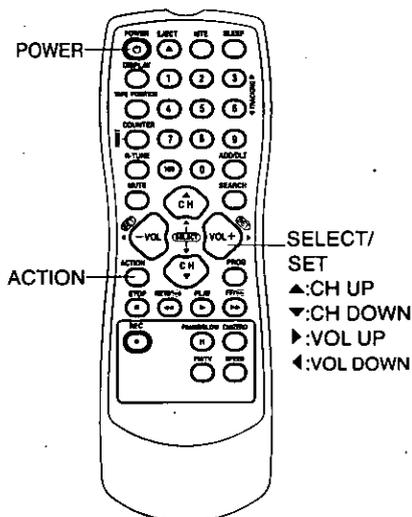
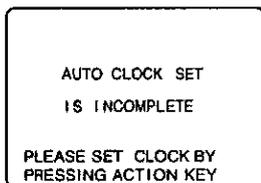
- Turn on your cable box and set it to PBS(Public Broadcast Station) channel in your time zone. If you use DSS receiver, it must be turned off.

- If wrong language is set, complete "Reset all unit Memory Functions" steps page 9.

- 4** Press CH ▲ Key to start CHANNEL / CLOCK AUTO SET operation. Settings are performed automatically. If the setup is completed, the following screen is displayed.



If AUTO CLOCK SET IS INCOMPLETE screen appears, set the clock using MANUAL CLOCK SET procedures shown page 9.



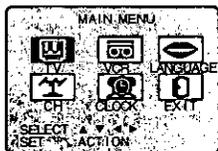
Model PV-C921/PV-C931W remote is shown here.

Note to CABLE System Installer

This reminder is provided to call the CABLE (Cable TV) System Installers attention to Article 820-40 of the NEC 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.

Reset Language, Channels, Clock,

1

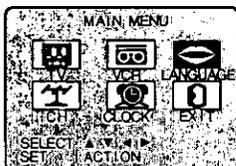


Press **ACTION** to display MAIN MENU.

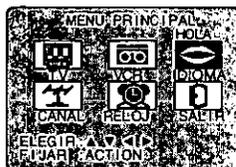
2

Language

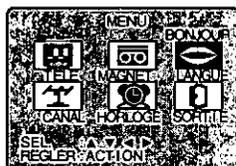
1) Press **▲▼◀▶** to select language icon.



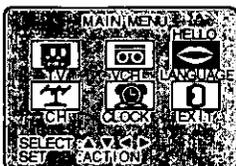
2) Press **ACTION** repeatedly.



For Spanish



For French

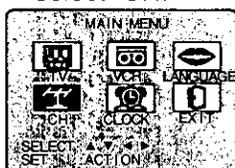


For English

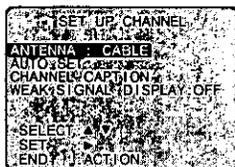
3) Press **▲▼◀▶** to select "EXIT." Press **ACTION** to exit.

Channels

1) Press **▲▼◀▶** to select "CH."



2) Press **ACTION**.



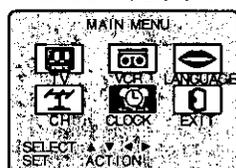
3) Press **▲▼** to select "ANTENNA," then press **▶** to set your antenna system ("TV" or "CABLE").

4) Press **▲▼** to select "AUTO SET," then press **▶**.

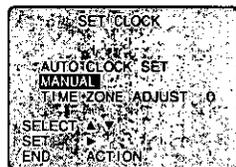
• After Channel Auto Set is finished, Clock Auto Set will be performed.

Clock

1) Press **▲▼◀▶** to select "CLOCK."



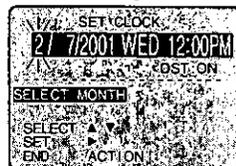
2) Press **ACTION**.



("TIME ZONE ADJUST" appears only when auto clock is set.)

3) Press **▲▼** to select "MANUAL" or "AUTO CLOCK SET" and press **▶**.

• For Auto Clock Set, select "AUTO CLOCK SET," then press **CH▲**.



4) Press **▲▼** and press **◀▶** to select and set the month, date, year, time, and DST (Daylight Saving Time).

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

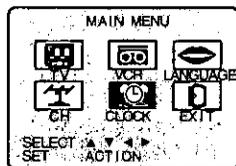
12

Time Zone Adjust

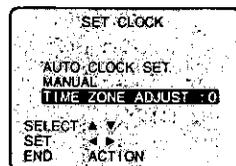
Time Zone Adjust

(Only when Auto Clock is set.)

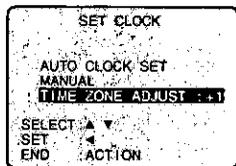
- 1) Press **▲▼◀▶** to select "CLOCK."



- 2) Press **ACTION**.

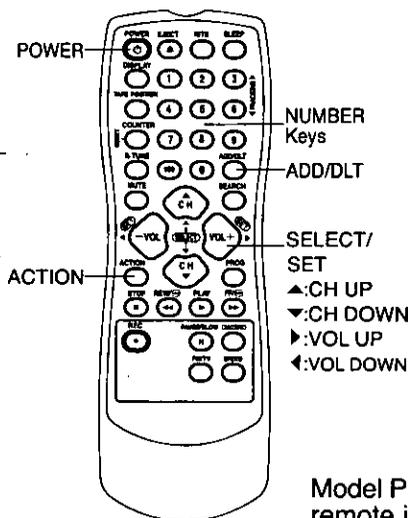


- 3) Press **▲▼** to select **TIME ZONE ADJUST** and press **◀** or **▶** to subtract or add hour(s) as necessary.



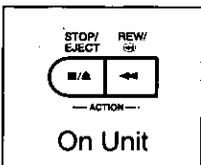
- 4) Press **ACTION** twice to exit.

- **TIME ZONE ADJUST** returns to "0" if clock is set manually.



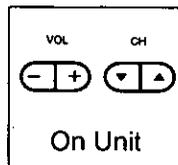
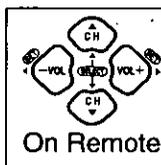
Model PV-C921/PV-C931W remote is shown here.

ACTION key on the unit



You can operate the menu screen using unit buttons. To display the menu, press **STOP/EJECT** and **REW** together with no tape inserted. To exit the menu, repeat above with or without tape inserted until normal screen appears.

Using ▲▼◀▶ keys

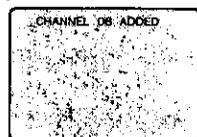


- ▲ : CH UP
- ▼ : CH DOWN
- ▶ : VOLUME UP
- ◀ : VOLUME DOWN

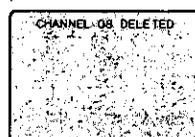
Whenever the menu or program screen is displayed, **CHANNEL UP/DOWN** function as **▲▼** and **VOLUME UP/DOWN** function as **◀▶** only.

Add or Delete a Channel

To add channel: Select channel with number keys and press **ADD/DLT**.



To delete channel: Select channel with **CH ▲▼** or number keys and press **ADD/DLT**.



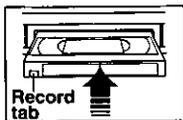
Playback a Tape

Record On a Tape

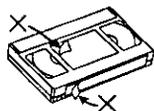
✓ Ready Check List

- All connections are made.
- Your unit is plugged in.

- 1** **Insert a cassette.**
- The unit power comes on automatically.



To prevent tape jam, remove loose or peeling labels from tapes.



- 2** **Press PLAY.**
- Playback begins if cassette has no record tab.

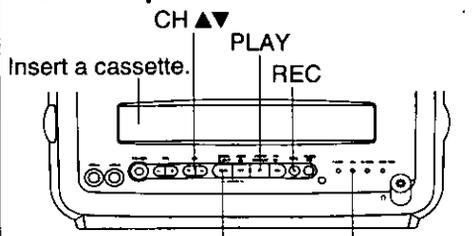
- **Forward/Reverse scene search**
→ Press **FF** or **REW**
→ Press again or **PLAY** to release.
- **Still (Freeze) picture**
→ Press **PAUSE/SLOW**
→ Press **PLAY** to release.
- **Slow Motion picture**
→ Hold down **PAUSE/SLOW** in Still mode
→ Press **PLAY** to release.
- **Frame by Frame picture**
→ Press **PAUSE/SLOW** in Still mode
→ Press **PLAY** to release.

Notes

- These features work best in SLP mode.
- After the unit is in Still or Slow mode for 3 minutes, it will switch to Stop mode automatically to protect the tape and the video head.

- **Stop** → Press **STOP**
- **Rewind tape** → Press **REW** in Stop mode
- **Fast forward tape** → Press **FF** in Stop mode
- **Eject tape** → Press **EJECT** on the remote or **STOP/EJECT** on the unit

You can operate on the unit



- Press to stop and/or eject tape.

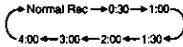
- 1** **Insert a cassette with record tab.**
- The unit power comes on automatically.

- 2** **Press CH ▲▼ or number keys to Select Channel.**
- For "LINE" input, see bottom of next page.

- 3** **Press SPEED to select recording speed (see page 41).**
- SP = Standard Play
 - LP = Long Play
 - SLP = Super Long Play
 - Selected speed is displayed.

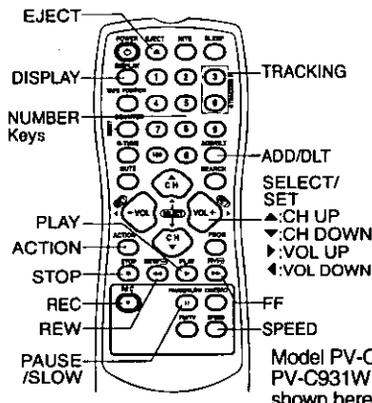
- 4** **Start Recording.**
- Press REC.**

- To edit out unwanted portions, press **PAUSE/SLOW** to pause and resume recording.
- You cannot view another channel during recording.
- **Stop** → Press **STOP**
 - When using DC Power supply, pressing **POWER** on the remote will cancel Recording in progress.
- **One Touch Recording (OTR)**
Press REC repeatedly to set the recording length (30 min - 4 hours.)
 - The unit stops recording at a preset time.
 - **PROG TIMER** indicator lights on the unit.



Notes

- After the unit has been in Rec Pause mode for 5 minutes, it will stop automatically to protect the tape and the video head.
- The remaining recording time of an OTR can be displayed by pressing **DISPLAY**.
- When using DC Power supply, pressing **POWER** on the unit will cancel an OTR in progress.



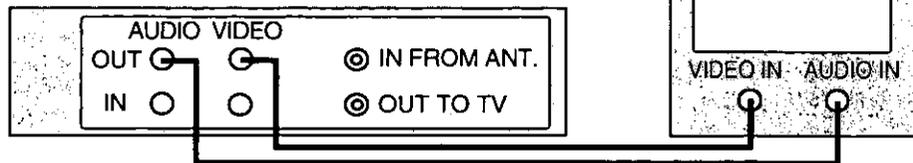
Model PV-C921/
PV-C931W remote is shown here.

Copy Your Tapes (Dubbing)

Connections you'll need to make.

Recording (Editing) unit

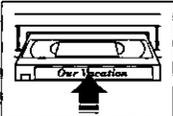
Playing (Source) VCR

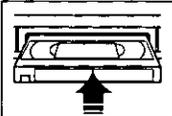


Basic Operation

Playback (Source)

Recording (Editing) unit

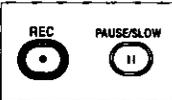
1  **Insert pre-recorded tape.**

 **Insert blank tape with record tab.**

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

2 _____ **Select "LINE" mode.**
See "Selecting Input Mode" below.

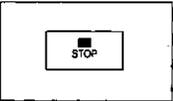
3  **Press PLAY then PAUSE at starting point to put in Standby mode.**

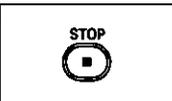
 **Press REC, then PAUSE/SLOW immediately to put in Standby mode.**

(Perform operation of steps 4 and 5 on both units at same time.)

4  **Press PLAY to start dubbing.**

 **Press PAUSE/SLOW to start dubbing.**

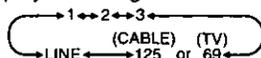
5  **Press STOP to stop dubbing.**

 **Press STOP to stop dubbing.**

Selecting Input Mode

Method 1:

Press CH ▲▼. The display will change as follows.



Method 2:

a Press ACTION for MAIN MENU.

b Press ▲▼◀▶ to select "TV", then press ACTION for SET UP TV screen.

c Press ▲▼ to select "INPUT SELECT," and then press ▶ to select "TUNER" or "LINE."

d Press ACTION twice to exit this mode.

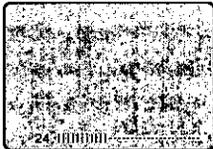
Caution

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

TV Operation

1 Press **POWER** on the remote or unit.

2  Use **CH ▲▼** or **number keys** to select a channel.

3  Press **VOL +** or **VOL -** to adjust volume.

NIGHT (NITE) Mode

Color and picture intensity levels are adjusted so the screen is easier on your eyes during night time use.



Press **NITE** to set **NIGHT** mode.

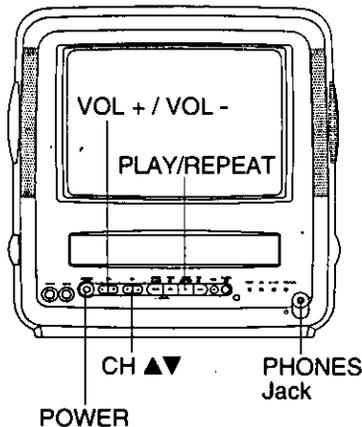
- **NIGHT** mode may be selected when watching TV, playing a tape, or while in FM mode.

Press **NITE** to cancel.

- Previous settings are restored.
- **NIGHT** mode is canceled when power is turned off or power failure occurs.

Ready Check List

- All connections are made.
- Your unit is plugged in.



■ Using the 100 key

When selecting **CABLE** channels 100 to 125 with the number keys, first press the 100 key, and then enter the remaining two digits.

■ Rapid Tune

Press **R-TUNE** to display the last channel you were watching.

■ Audio Mute

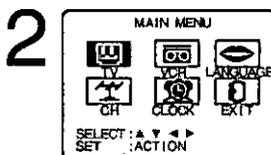
Press **MUTE** to instantly mute the sound. Press again to restore the previous sound level.

■ Phones

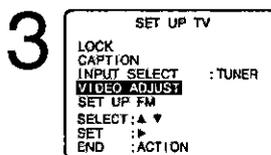
Connect an earphone (not supplied) or headphones (not supplied) to the **Phones Jack**.

Picture Adjustment

1 Press **ACTION** to display MAIN MENU.



1) Press **▲▼◀▶** to select "TV."
2) Press **ACTION** to display SET UP TV screen.

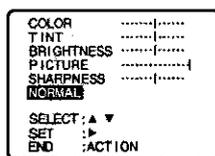


1) Press **▲▼** to select VIDEO ADJUST.
2) Press **▶** to display screen.

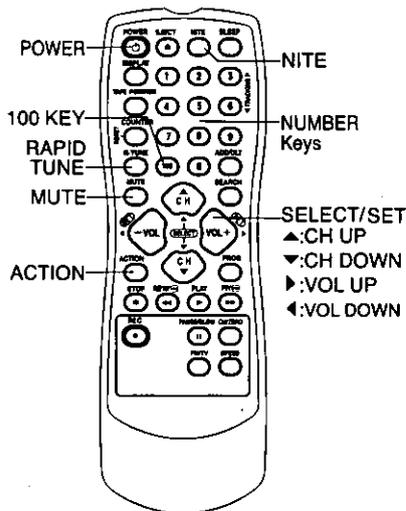
<Model PV-C921/
PV-C931W screen shown>



1) Press **▲▼** to select an adjustment item. (See below left.)
2) Press **◀▶** to adjust.



To Reset Picture Controls.
Press **▲▼** and **▶** to select and set "NORMAL."
All controls return to their factory settings.



Model PV-C921/PV-C931W remote is shown here.

Picture Adjustment

- **COLOR Control**
Adjust color intensity.
- **TINT Control**
Adjust for natural flesh tones.
- **BRIGHTNESS Control**
Adjust picture brightness.
- **PICTURE Control**
Adjust picture intensity by adjusting both contrast and color level in the proper balance.
- **SHARPNESS Control**
Adjust picture sharpness.

5 Press **ACTION** three times to exit.

Note

Due to the earth's magnetic fields, or magnetic charge build-up from nearby electrical appliances, color distortion may occur if the unit direction is changed while it is on. To avoid this, position the unit before turning it on. If this phenomenon does occur, press the POWER-off and then on again.

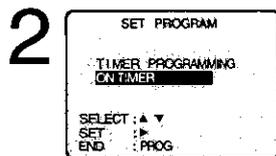
TV Timer Features

ON-TIMER with Alarm

This unit can be set to automatically power on in one of 3 modes (2 modes [PV-C911 only]). (TV, Playback, or FM radio [PV-C921/PV-C931W only].) (TV or Playback [PV-C911 only].)

You can also combine the On-Timer with a one minute alarm that gradually increases in volume.

1 Press PROG
to display SET PROGRAM screen.

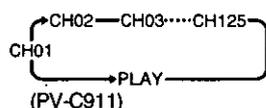
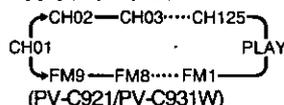


1) Press ▲▼ to select "ON TIMER."
2) Press ▶ to display ON TIMER screen.



1) Press ▲▼ to select desired settings.
2) Press ▶ to set the ON-TIMER TIME or ON-TIMER mode.

• ON-TIMER mode selection order



- Make sure a tape is inserted if Playback mode is selected.
- See "FM Radio" on page 22 for instructions on how to preset FM stations. (PV-C921/PV-C931W only)



Press ▲▼ to select ALARM "ON" or "OFF."

When "ON" is selected, an alarm will gradually increase in volume for one minute or until canceled by pressing any button (including VOL + -).

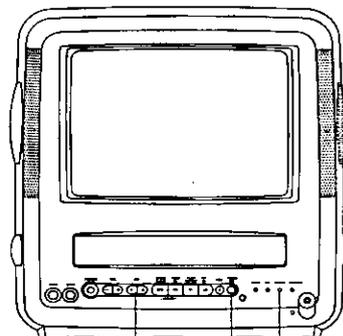
To Make Corrections, use ▲▼ and ◀▶ to move back and correct.

5 Press PROG
to set ON TIMER.

- "ON TIMER SET" is displayed.
- ON TIMER Indicator lights on the unit.

Ready Check List

- The clock is set to correct time.



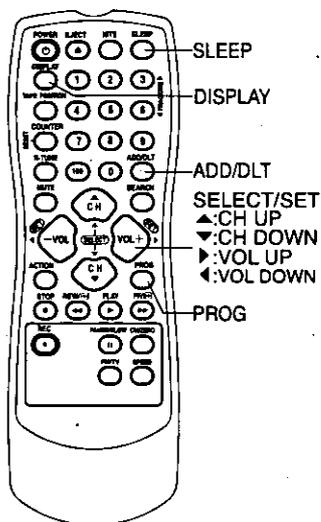
TIMER/FM (PV-C921/PV-C931W)
TIMER (PV-C911)

To Cancel ON-TIMER set,

Repeat steps 1 and 2. Then, press ADD/HLT to clear the time in step 3. Now, press PROG to end. "ON TIMER END" briefly appears on-screen.

Note

If no button on the remote or unit (including a button used to turn off the alarm) is pressed within 60 minutes after unit turns itself on, it will turn itself back off.



Model PV-C921/PV-C931W remote is shown here.

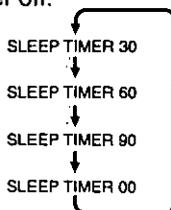
SLEEP TIMER

This unit can be set for auto power off.

Press **SLEEP** repeatedly to set SLEEP TIMER.

- Pressing **DISPLAY** with sleep timer set displays remaining time.

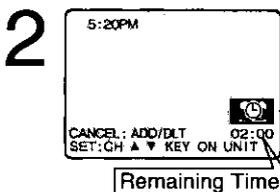
Press **SLEEP** repeatedly until "SLEEP TIMER 00" appears to cancel.



INSTANT ALARM

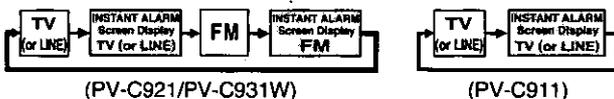
You can set a timer alarm up to 60 min. Useful when you are cooking, etc.

1 Press **TIMER/FM** (PV-C921/PV-C931W) [**TIMER** (PV-C911)] on the unit to display the instant alarm CANCEL/SET screen.



Press **CH ▲▼** on the unit with CANCEL/SET screen displayed to set alarm. (Time changes in the order shown left.)

• Pressing **Press TIMER/FM** (PV-C921/PV-C931W) [**TIMER** (PV-C911)] repeatedly on the unit will change display as follows.

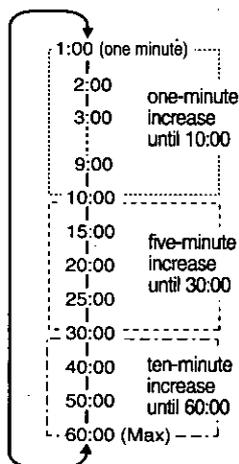


To cancel, press **TIMER/FM** (PV-C921/PV-C931W) [**TIMER** (PV-C911)] then press **ADD/DLT** on the remote while CANCEL/SET screen is displayed.

To increase timer in progress, repeat step 2. Time will be rounded up to next 1, 5, or 10 minute interval. (See chart left.)

<Example>

- If current time remaining is 12:15, countdown will restart from 15:00.
- If current time remaining is 9:15, countdown will restart from 10:00.



Note

While timer function is in progress, you can change channels on the unit with **CH ▲▼** while "CANCEL/SET" screen is not displayed.

3 Alarm will sound at 0: 00.
Press any button to stop

- The volume of the alarm gradually increases for one minute and then continues to beep until any button is pressed.

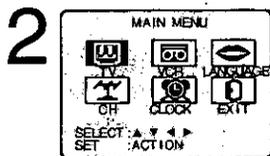
Closed Caption System

Closed Caption is ...

This multi-use system not only allows the hearing impaired to enjoy selected programs, but also makes useful information from TV stations available to everyone.

Closed Caption Mode Feature

- 1** Press **ACTION** to display MAIN MENU.

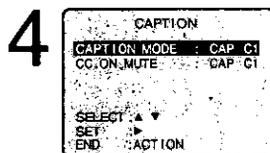


- 1) Press **▲▼◀▶** to select "TV."
2) Press **ACTION** to display SET UP TV screen.

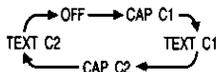


- 1) Press **▲▼** to select "CAPTION".
2) Press **▶** to display CAPTION screen.

<Model PV-C921/
PV-C931W screen shown>



- 1) Press **▲▼** to select CAPTION MODE.
2) Press **▶** repeatedly to select mode. (See left.)



- 5** Press **ACTION** three times to return to the normal screen.

Closed Caption Mode Selections

Caption Mode: CAP C1 or C2

A narration of selected TV programs is displayed.

Check TV program listings for CC(Closed Caption) broadcasts.

Caption Mode: TEXT C1 or C2

The lower half of the screen will be blocked out. When the TV station broadcasts information, such as program listings, it will appear in this space.

Caption Mode: OFF

Closed Caption / Text narration will not be displayed.

NOTE :

The closed caption or text signal may be broadcast over C1, C2, or both.

Also, text contents can vary so you may wish to try different settings.

Recording and Playing Back a Closed Caption/Text Program

Record : Record normally.

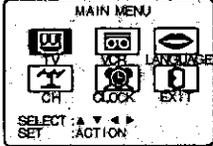
Closed Caption/ Text signal, if present, is recorded automatically.

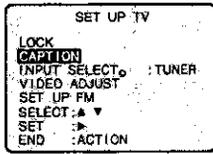
Playback : Start playback. Do above steps to select desired caption mode.

Caption On Mute Feature

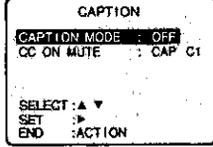
Closed Caption narration, if available, is displayed when MUTE button is pressed for silence.

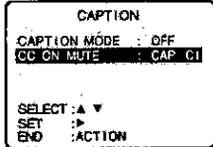
1 Press ACTION
to display MAIN MENU.

2  **1) Press ▲▼◀▶**
to select "TV."
2) Press ACTION
to display SET UP TV screen.

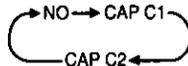
3  **1) Press ▲▼** to
select "CAPTION".
2) Press ▶ to
display CAPTION
screen.

<Model PV-C921/
PV-C931W screen shown>

4  **1) Press ▲▼** to
select CAPTION
MODE.
2) Press ▶
repeatedly to
select "OFF."

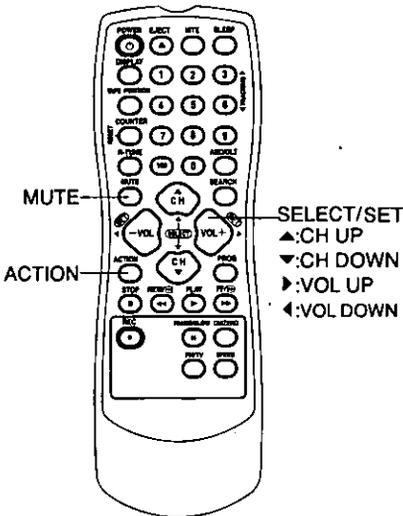
5  **1) Press ▲▼** to
select CC ON
MUTE.
2) Press ▶
repeatedly to
select desired
mode.

- Each press of ▶ will change the display as shown left.
- The caption may be broadcast over CAP C1 or C2.



6 Press ACTION three times
to return to the normal screen.

7 Press MUTE to mute the sound and display closed captioning.
• To cancel, press MUTE again.



Model PV-C921/PV-C931W remote is shown here.

FM Radio

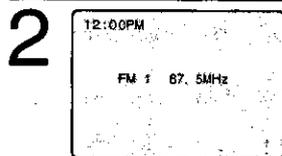
FM Radio is ...

This unit has an FM radio with built-in antenna, 9 station preset, and a band range of 87.5 ~ 108.1 MHz. You can even set the On-Timer (page 18) to wake up to your favorite radio station.

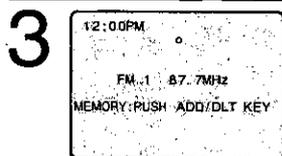
<For Model PV-C921/PV-C931W only>

FM Radio Setup

- 1) Press **FM/TV** on the remote or press **TIMER/FM** twice on the unit to display FM radio mode.



Press a number key (1~9) to select the FM number.

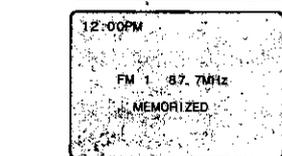


1) Press **CH ▲▼** to select the desired radio station. (Each press changes frequency 200 KHz.)

2) Press **ADD/DEL** to set the radio station.

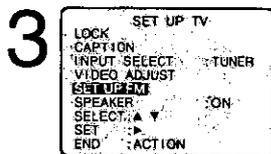
Hold down **CH ▲** or **▼** for a few seconds, then release to quickly scan for FM stations in your area.

• To cancel, press **CH ▲** or **▼** while in search mode.

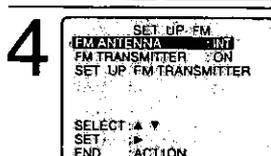


To Make Corrections, select station with a number key, then do step 3 again.

To exit FM mode, press **FM/TV** on the remote or **TIMER/FM** twice on the unit.



- 1) Press **▲▼** to select **SET UP FM**.
2) Press **▶** to display screen.



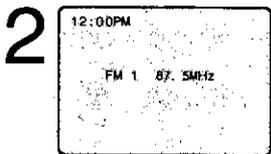
- 1) Press **▲▼** to select **FM ANTENNA**.
2) Press **▶** to select "INT (INTERNAL)" or "EXT (EXTERNAL)" whichever sounds the best.

- For cable TV users → "INT"
- For antenna users → "EXT"

- 5) Press **ACTION** three times to end setup.

Using FM Radio

- 1) Press **FM/TV** on the remote or press **TIMER/FM** twice on the unit to display FM radio mode.



Press a number key (1~9) to select a preset FM number (see steps 2 and 3 on this page).

To cancel, press **FM/TV** on the remote or **TIMER/FM** twice on the unit.

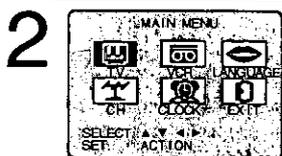


TIMER/FM

FM ANTENNA Setup

Make sure FM tuning is done correctly (see FM Radio Setup).

- 1) Press **ACTION** to display **MAIN MENU**.



- 1) Press **▲▼◀▶** to select "TV."
2) Press **ACTION** to display **SET UP TV** screen.

Notes

- FM radio cannot be recorded on a Video cassette.
- You may get better reception by repositioning the unit.
- You cannot select FM Radio mode during playback or record, or while a blue back screen (PROG, ACTION, MENU) is displayed.
- Once stations are set, the selected station and current time are displayed when FM Radio mode is entered. To remove time, press **DISPLAY**. If **DISPLAY** is pressed, the unit status screen appears.

FM Transmitter



Send Wireless



Within 33 feet



Audio equipment with FM Radio

Carrier Frequency : 93 ~ 97, 99 ~ 103 MHz

FM Transmitter is ...

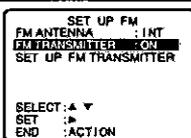
a feature whereby this unit's sound can be heard on an FM Radio. First, tune your radio to a vacant station which has no radio broadcasts between 93 ~ 97 or 99 ~ 103 MHz. Then, set the combo to the same station. Now, fine-tune this unit so the sound comes in clearly.

<For Model PV-C921/PV-C931W only>

FM Transmitter Control

1 Do "FM Transmitter Carrier Frequency Setup" steps 1~3 at left.

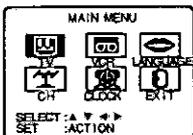
2 1) Press ▲▼ to select FM TRANSMITTER.
2) Press ► to select "OFF" or "ON."



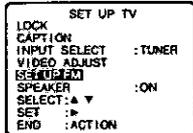
FM Transmitter Carrier Frequency Setup

1 Press ACTION to display MAIN MENU.

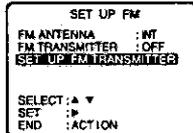
2 1) Press ▲▼◀▶ to select "TV."
2) Press ACTION to display SET UP TV screen.



3 1) Press ▲▼ to select SET UP FM.
2) Press ► to display screen.

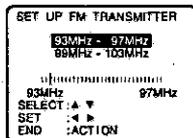


4 1) Press ▲▼ to select SET UP FM TRANSMITTER.
2) Press ► to display screen.



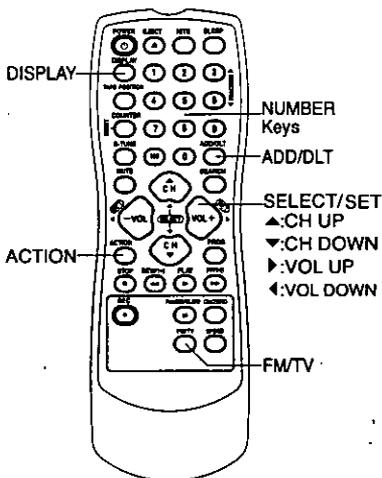
• When step 4 is done, if FM TRANSMITTER is "OFF," the unit is automatically set to "ON."

5 1) Press ▲▼ to select the desired frequency range. (93-97 or 99-103 MHz)
2) Press ◀▶ to select the Carrier Frequency.
3) Press ACTION to set the Carrier Frequency. (The screen in step 4 is redisplayed.)



To Make Corrections, select frequency with CH ▲▼◀▶, then repeat step 5.

6 Press ACTION four times to end setup



Model PV-C921/PV-C931W remote is shown here.

Notes

- The Carrier Frequency shown by the selector bar is a guide only. Please listen to the sound and adjust accordingly.
- The unit will transmit sound when unit power is on and "FM TRANSMITTER :ON" is selected.
- When unit power is turned off, "FM TRANSMITTER" returns to "OFF" setting.
- The FM transmitter signal range varies depending on installation and operating requirements of your equipment.
- Interference occurs when you select CATV channels 95, 96, or 97, while FM Transmitter is operating.
- FM Transmitter will not work in FM Radio Mode.
- Please note the current FM Transmitter capability is the maximum level allowed by FCC standard for low power license-exempt radio communication devices.

Timer Recording

You can set up to 8 programs to be recorded while you are away.

1 Press PROG
to display SET PROGRAM screen.



1) Press ▲▼ to select
TIMER PROGRAMMING.
2) Press ► to display
screen.

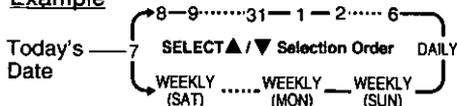
• If a program is already in
memory, press ▲▼, and
► to select an unused
program number.

3 Press ▲▼ to select
and ► or ◀ to set the
recording DATE.



• 1-31 = One time
• DAILY = MON~FRI
• WEEKLY SUN~SAT
= Same time once a week

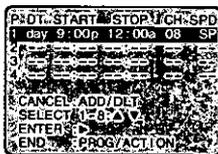
Example



Repeat step 3 to set:

- start time, stop time
- Channel (or LINE for outside source)
- Category [N/A (not applicable), SPORTS, MOVIE, COMEDY, MUSIC, DRAMA]
- Speed (SP, LP, SLP)

4 Press PROG
(or ACTION) to end
the program.



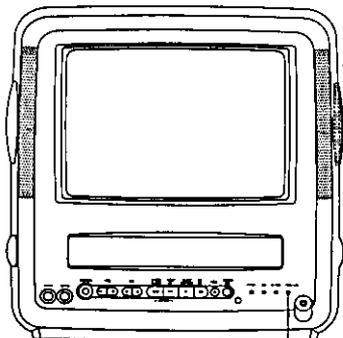
To Enter More Programs
Press ▲▼ to select and
► to set a blank program
number, and then repeat
step 3.

5 Press PROG twice (or ACTION)
to exit
this mode.

- If you're using a cable box, make
sure that it is tuned to the desired channel
and the power is left on for timer recording.
- PROG TIMER indicator lights on the unit.

✓ Ready Check List

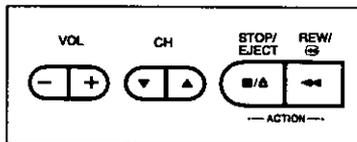
- All connections are made.
- Your unit is plugged in.
- The clock is set to correct time.
- The tape is long enough.
- The record tab is in place.



PROG TIMER Indicator

Timer Recording Using unit Buttons

You can set a Timer Recording
using ACTION key on the unit.
(See page 13.)



- 1 Press STOP/EJECT and REW
together without a tape inserted
to display MAIN MENU.
- 2 Press ▲▼ + - to select "VCR"
and STOP/EJECT and REW
together to display SET UP
VCR screen.
- 3 Press ▲▼ to select "TIMER
PROGRAM" and + to display
the TIMER PROGRAM screen.
- 4 Repeat main steps 3 ~ 5.

Cancel a Timer Recording: (Recording is in progress)

Hold down STOP for a few seconds to cancel the Timer Recording.

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

Review, Replace or Clear Program Contents : (Recording is not in progress)

1 Repeat steps 1 and 2 on page 24.

2

P	DT	START	STOP	CH	SPD
1	day	9:00p	12:00a	08	SP
2	8	10:00a	12:00p	125	SP
3	10	8:00p	9:00p	10	SP
4	SU	9:00p	10:00p	L	LP

CANCEL: ADD/HLT
SELECT 1-8: ▲▼
ENTER: ▶
END: PROG/ACTION

Press ▲▼ to select the desired program.

3 To Replace program...

DATE /	START	STOP	CH
8 SAT	9:00P	12:00A	08
TODAY			ABC
CATEGORY: MOVIE			SP

SELECT: START DATE
SELECT: ▲▼
SET: ◀▶
END: PROG/ACTION

- Press ▶ to display.
- Press ▲▼ to select and press ◀ or ▶ to set new program contents.
- Press PROG (or ACTION)

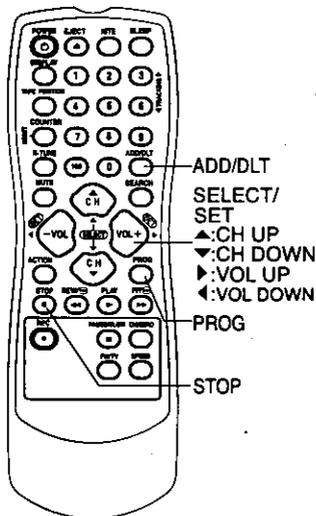
To Clear program...

P	DT	START	STOP	CH	SPD
2	8	10:00p	12:00a	125	SP
3	10	8:00p	9:00p	10	SP
4	SU	9:00p	10:00p	L	LP

SELECT 1-8: ▲▼
ENTER: ▶
END: PROG/ACTION

Press ADD/HLT.

4 Press PROG twice (or ACTION) to exit this mode.



Model PV-C921/PV-C931W remote is shown here.

Notes

- 2 minutes before Timer recording is performed, "PLEASE PREPARE FOR TIMER REC" appears and/or the PROG TIMER Indicator flashes. Be sure a cassette with record tab is loaded and the unit is in Stop mode.
- 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 14), 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 continued.
- If "INCOMPLETE" appears after all items have been set, check all entries and make necessary corrections.
- When using DC Power supply, a Timer Recording can not be performed if POWER on the unit is pressed OFF.

Tape Operation

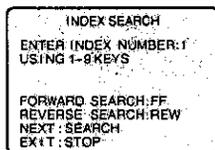
Search System is ...

Each time a recording is made, an invisible index mark is placed on the tape. When timer recordings are made, program index and information are also included. (Only AC POWER) These index marks can be used to access or scan recordings.

Index Search

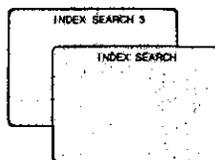
Go directly to the desired recording.

1



Press **SEARCH** in Playback or Stop mode to display **INDEX SEARCH** screen.

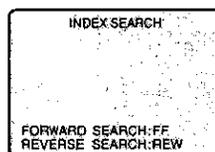
2



Press number keys to select the recording number.

- To calculate number, see below.

3



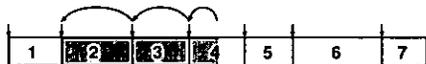
Press **FF** or **REW** to start search.

- Play begins at search end. To search forward or back 1 index, press **FF** or **REW** while screen left in displayed (10 seconds).

■ To calculate the Index Number

Example 1:

To go to rec. 2 from rec. 4, enter 3 and press **REW**.



Example 2:

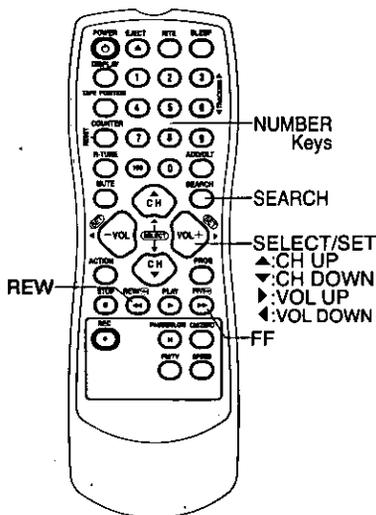
To go to rec. 6 from rec. 2, enter 4 and press **FF**.



NOTE: † indicates start points of each recording.

Notes

- Make each entry within 10 seconds, or the Index Search mode will be canceled.
- If Index Search is started very close to an index mark, that index mark may not be counted in the search.



Model PV-C921/PV-C931W remote is shown here.

Program End Search

It is easy to detect the end of a recorded program so that you may continue or begin a new recording.

- 1 Press **SEARCH** twice in Playback or Stop mode to display PROGRAM END SEARCH screen .

2

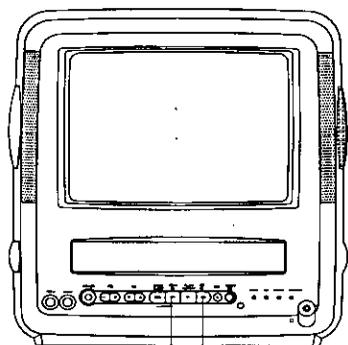
PROGRAM END SEARCH

SEARCH START:FF

EXIT : SEARCH

Press **FF** to start search.

Example of Program End Search operation.



REW FF

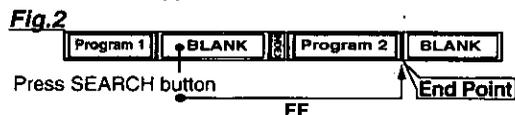
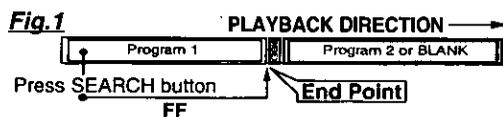
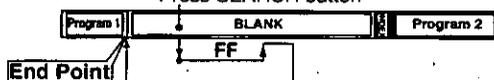
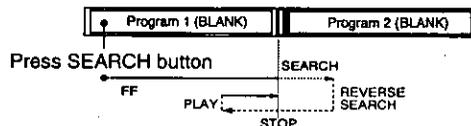


Fig.3 If search exceeds few seconds in BLANK area.
Press **SEARCH** button



Upon locating end point...

The unit searches slightly past end point, reverse searches, and plays the last few seconds of the program, then stops.



Notes

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

Tape Operation (continued)

Auto Operation Functions

■ Auto Shut Off

No broadcast signal in TV, blank tape is played for 5 minutes

→ Power turns off

- This feature is canceled if any button is pressed during above mode.

■ Auto Playback

Insert a tape in Power off mode

→ Power turns on

- Playback begins if tape has no record tab.
- This feature cannot be activated when the POWER button on the unit is turned OFF (POWER indicator is not lit.)

■ Auto Rewind

Tape reaches its end

→ Rewind, → Stop

■ Playback Auto Eject (Repeat Play is "OFF")

Tape with no record tab reaches its end

→ Rewind, → Stop, → Eject

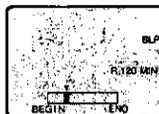
Tape Position Display

To find out present tape position and amount of tape remaining.

Tape position cannot be detected for C-Cassettes, tapes under 30 minutes, and some other tapes.

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

DETECTING TAPE POSITION



- "DETECTING TAPE POSITION" is displayed only when a cassette is first inserted and it takes several seconds for correct tape position to appear.

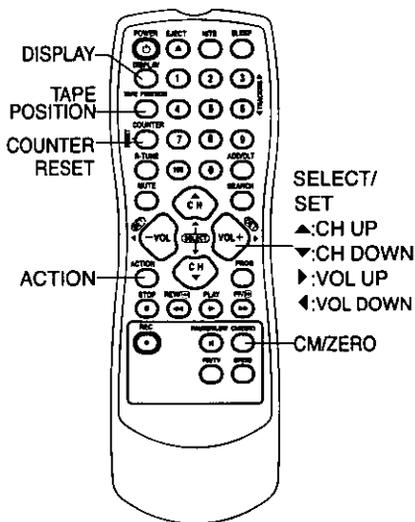
- The present tape position indication and amount of tape remaining (according to tape speed) is displayed.

- Tape remaining time display may not be precise.

- 2 Press TAPE POSITION** (or wait 5 seconds) to return to normal screen.

Note

- This function cannot display exact amount of tape remaining for tapes 30 minutes or less, or for tapes over 120 minutes in length.

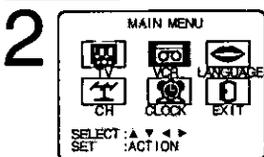


Model PV-C921/PV-C931W remote is shown here.

Repeat Play

Set to see a recording over and over.

- 1 Press **ACTION** to display MAIN MENU.



- 1) Press **▲▼◀▶** to select "VCR."
- 2) Press **ACTION** to display SET UP VCR screen.



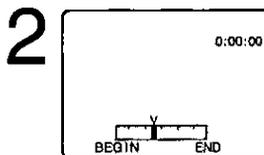
- 1) Press **▲▼** to select "REPEAT PLAY."
- 2) Press **▶** to set REPEAT PLAY "ON" or "OFF."

- 4 Press **ACTION** twice to end setup.

Zero Search

To quickly return to a specific tape counter location.

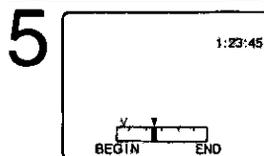
- 1 Press **DISPLAY** during playback to display the Counter.



- 2 Press **COUNTER RESET** at the desired position to reset to "0:00:00."

- 3 Continue playback, rewind, or fast forward.

- 4 Press **STOP**.



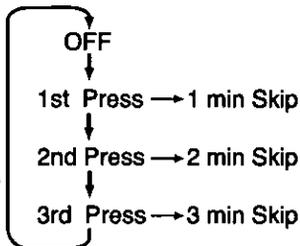
- 5 Press **CM/ZERO** in stop mode to start ZERO SEARCH.

- **▼** : Present position mark
- **V** : Zero position mark
- Unit goes into FF or REW mode and stops at the last point the Counter was set to 0:00:00.

Commercial Skip

By pressing the CM/ZERO button in Playback mode you can skip over 1 to 3 minutes of recorded tape in just a few seconds.

- 1 Press **CM/ZERO** repeatedly to select skip time in Play mode.
 - No indication appears.



Repeat Play Notes

- Playback repeats when tape end is reached or unrecorded portion over 30 seconds is detected.
- During playback, you may also press **PLAY/REPEAT** repeatedly on the unit to select REPEAT "ON" or "OFF."

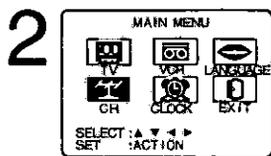
Zero Search Note

- If a blank portion exists on the tape, and depending on the position of the **V** mark, the **V** mark display may be out of position.
- When Zero Search is done in DC mode, the counter position and the counter and **V** mark displays may be out of position.

Special VCR Features

Preset Caption

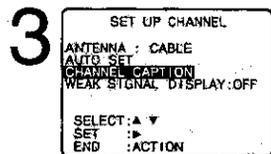
- 1** Press **ACTION** to display MAIN MENU.



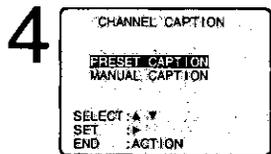
- 1) Press **▲▼◀▶** to select "CH."
- 2) Press **ACTION** to display SET UP CHANNEL screen.

Channel Caption is ...
Station names, e.g. ABC, TNN, etc. are set so they will appear when a channel is selected. Choose 24 preset names (Preset Caption), or make up to 10 names of your own (Manual Caption.)

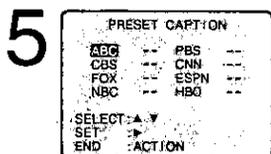
- Ready Check List**
- You need a list of stations and the channel numbers you receive them on.



- 1) Press **▲▼** to select CHANNEL CAPTION.
- 2) Press **▶** to display screen.



- 1) Press **▲▼** to select PRESET CAPTION.
 - 2) Press **▶** to display screen.
- To create your own captions, go to "Manual Caption" on page 31.



- 1) Press **▲▼** to select a station.
- 2) Press **▶** to move cursor to the right.
- 3) Press **▲▼** to select channel number.
- 4) Press **◀** to set preset captions.

- Repeat step 5 until the Caption List is complete.

To Make Corrections

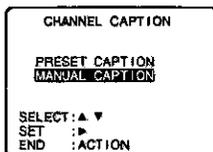
Press **▲▼**, then **▶** to select channel number.
Press **▲▼** to change, or ADD/DLT to delete.

- 6** Press **ACTION** four times to end setup.

Manual Caption

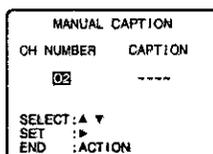
1 Do "Preset Caption" steps 1-3 (page 30).

2



- 1) Press ▲▼ to select **MANUAL CAPTION**.
- 2) Press ► to display screen.

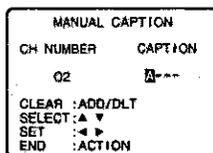
3



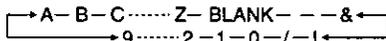
- 1) Press ▲▼ to select **CH NUMBER**.
- 2) Press ► to move cursor to the right.

- Channels already set and channels deleted from Channel Memory are not displayed.
- You can set a total of ten channel captions with up to four characters each.

4



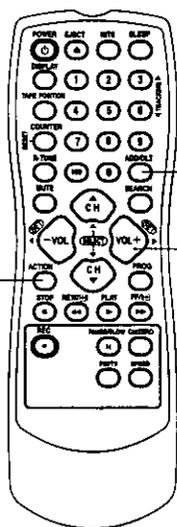
- 1) Press ▲▼ to select and ► to enter your caption.
- Characters change in the following order.



- Press ◀ repeatedly to move the cursor to "CH NUMBER." Repeat steps 3 and 4 as desired.

To Make Corrections

Press ▲▼, then ► to select channel number.
Press ▲▼ to change, or ADD/DLT to delete.



Model PV-C921/PV-C931W remote is shown here.

5 Press ACTION four times to end setup.

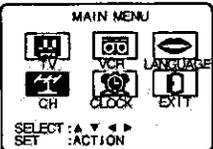
Special VCR Features (continued)

Weak Signal Display ON/OFF

When "ON" is selected, the picture is displayed even when a broadcast signal is weak or non-existent.

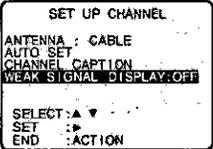
1 Press **ACTION** to display MAIN MENU.

2



1) Press **▲▼◀▶** to select "CH."
2) Press **ACTION** to display SET UP CHANNEL screen.

3



1) Press **▲▼** to select WEAK SIGNAL DISPLAY.
2) Press **▶** to set "ON" or "OFF."

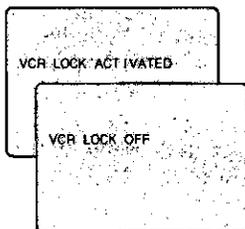
Notes

- "ON" = Picture is displayed regardless of signal condition, and may not always be clearly visible.
- "OFF" = Screen turns solid blue when signal is absent or weak.
- If unit is connected to equipment which has blue back feature, selecting "ON" will have no effect on the other equipment.

4 Press **ACTION** twice to return to the normal screen.

VCR Lock

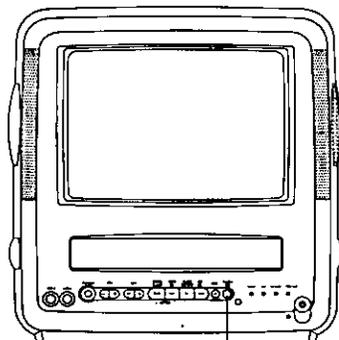
All operations are prohibited except Timer recording and tape eject. Useful for families with small children.



In stop mode, **hold down REC** on the unit without a cassette inserted for 7 seconds to turn "ON." Please ignore "NO CASSETTE" warning.

Repeat above with or without cassette to turn "OFF."

- VCR Lock is canceled automatically after about 24 hours if clock is set.
- This feature cannot be activated when POWER on the unit is turned OFF (POWER indicator is not lit.)



REC

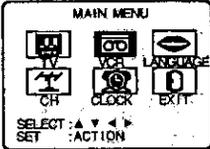
✓ Ready Check List

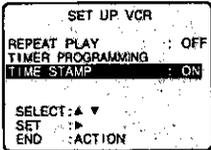
- The clock is set to correct time.
- The record tab is in place.

Time Stamp Feature

This unit writes program data (see example below) for about the first 10 seconds of every recording. The information is then displayed about 10 seconds after playback begins.

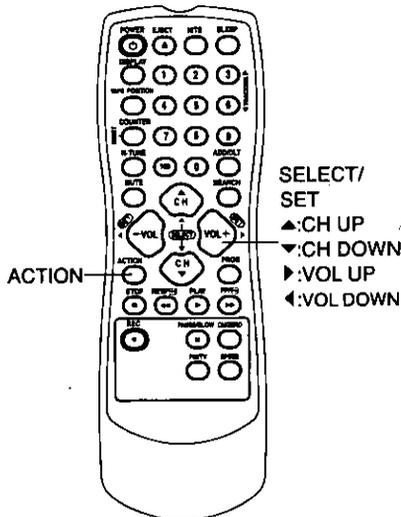
1 Press **ACTION** to display MAIN MENU.

2  1) Press **▲▼◀▶** to select "VCR."
2) Press **ACTION** to display SET UP VCR screen.

3  1) Press **▲▼** to select **TIME STAMP**.
2) Press **▶** to set "ON" or "OFF."

- When "OFF" is selected, the program data is written on the tape, but will not be displayed.

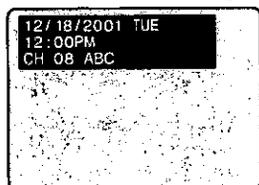
4 Press **ACTION** twice to return to normal screen.



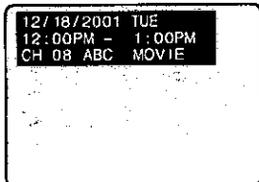
Model PV-C921/PV-C931W remote is shown here.

<Time Stamp Example >

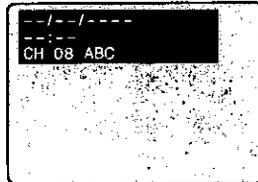
Normal/ One Touch Recording



Timer Recording



When Clock is not set...



V-Chip Control Feature

V-Chip Control Feature is...

This unit has a built-in V-Chip Control which allows you to block unwanted TV usage based on US MOVIES and US TV PROGRAMS Ratings.

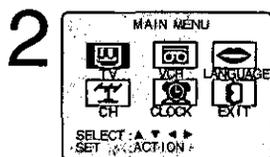
Process of V-Chip Control Feature

Enter Code → Setup → Blocking

Enter Secret Code

A 4-digit code must be entered to view a blocked program or change rating settings.

1 Press **ACTION** to display MAIN MENU.

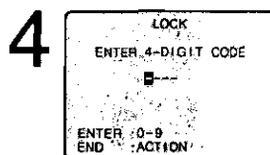


- 1) Press **▲▼◀▶** to select "TV."
- 2) Press **ACTION** to display SET UP TV screen.



- 1) Press **▲▼** to select LOCK.
- 2) Press **▶** to display screen.

<Model PV-C921/
PV-C931W screen shown>

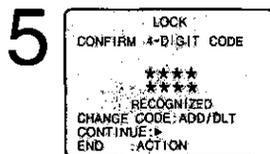


- 1) Press number keys to enter your secret code.
- 2) Enter same code again for confirmation.

- Step 2) not necessary when changing rating or secret code.
- Take care that you are not observed entering the secret code.

To Make Corrections

Press **◀** repeatedly to move the cursor.
Press number keys to make the correction.



Press **▶** to display US Ratings menu (see page 35).

Or Press **ACTION** three times to exit.

Changing your secret code

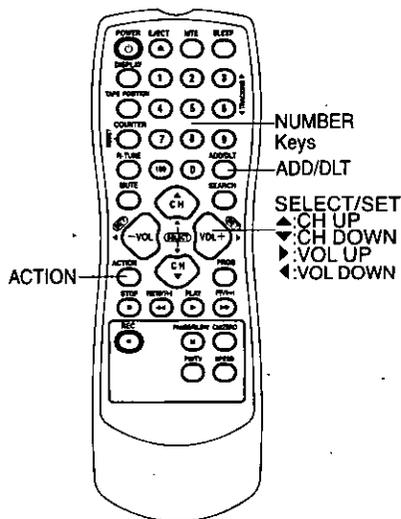
• You will need your current code.
Do steps 1 ~ 4. In step 5, press **ADD/DEL** to clear current code.
Repeat steps 4 and 5 to enter new code.

Notes

- DO NOT forget your secret code.
- Once ratings are set, restricted tapes or programs cannot be accessed unless the secret code is entered.

Process of V-Chip Control Feature

Enter Code → Setup → Blocking

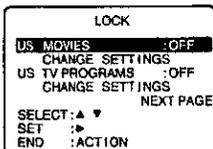


Model PV-C921/PV-C931W remote is shown here.

If **LOCK** menu is not displayed, do "Enter Secret Code" steps on page 34.

Setup US MOVIES Ratings

1



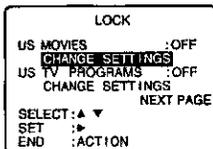
- 1) Press ▲▼ to select **US MOVIES**.
- 2) Press ► to set "ON" or "OFF."

- "ON" → V-Chip Control is activated.
- "OFF" → V-Chip Control is deactivated.

Note

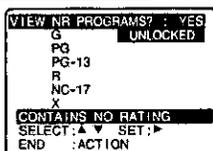
- "NEXT PAGE" displays **CANADIAN** V-Chip setting menu. Not necessary except when viewing Canadian tapes or broadcasts.

2



- 1) Press ▲▼ to select **CHANGE SETTINGS**.
- 2) Press ► to display screen.

3

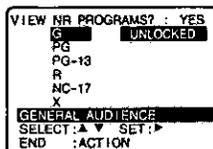


- 1) Press ▲▼ to select **VIEW NR PROGRAMS?**.
- 2) Press ► to set "YES" or "NO."

NR (Not Rated) PROGRAMS

Some movies, such as old movies or foreign movies usually have no ratings.

4



- 1) Press ▲▼ to select and ► to set ratings to be blocked. (See ratings chart next page.)

US MOVIES RATINGS

G	GENERAL AUDIENCE: All ages admitted.
PG	PARENTAL GUIDANCE: Some material may not be suitable for children.
PG-13	PARENTS CAUTIONED: Some material may be inappropriate for children under 13.
R	RESTRICTED: Children under 17 must be accompanied by a parent or adult.
NC-17	OVER AGE 17 ONLY: No one 17 and under admitted.
X	ADULTS ONLY:

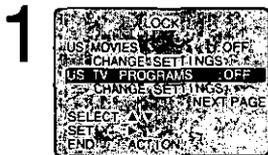
5

Press **ACTION** to redisplay **LOCK** menu and continue with **US TV PROGRAMS** Ratings Setup (next page). Or, press **ACTION** four times to exit.

V-Chip Control Feature (continued)

If LOCK menu is not displayed, do "Enter Secret Code" steps on page 34.

Setup US TV PROGRAMS Ratings

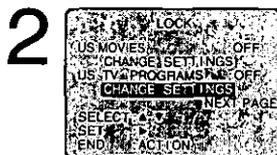


- 1) Press ▲▼ to select US TV PROGRAMS.
- 2) Press ► to set "ON" or "OFF."

- "ON" → V-Chip Control is activated.
- "OFF" → V-Chip Control is deactivated.

Note

- "NEXT PAGE" displays CANADIAN V-Chip setting menu. Not necessary except when viewing Canadian tapes or broadcasts.



- 1) Press ▲▼ to select CHANGE SETTINGS.
- 2) Press ► to display screen.



- 1) Press ▲▼ to select VIEW NR PROGRAMS?.
- 2) Press ► to set "YES" or "NO."

NR (Not Rated) PROGRAMS

Some TV shows, such as news, sports, weather, bulletins, emergency information usually have no ratings.



- 1) Press ▲▼ to select and ► to set ratings to be blocked. (See ratings charts at right.)

- Ratings highlighted in Green will be blocked. Ratings in white letters will not be blocked.

Note

You may select from standard TV ratings (chart 1), or customize to a specific content rating (chart 2).

5 Press ACTION four times to exit this mode.

US TV PROGRAMS RATINGS: Chart 1

TV-Y	FOR ALL CHILDREN: Content specifically geared to young viewers ages 2-6.
TV-Y7	FOR AGE 7 AND OLDER: May contain mild physical or comedic violence which may frighten children under 7.
TV-G	GENERAL AUDIENCE: Contains little or no violence, strong language, or sexual dialogue or situations.
TV-PG	PARENTAL GUIDANCE: May contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.
TV-14	PARENTS CAUTIONED: May contain sophisticated themes, sexual situations, strong language, and more intense violence.
TV-MA	MATURE AUDIENCE: May contain mature themes, profane language, graphic violence, and sexual situations.

US TV PROGRAMS RATINGS: Chart 2

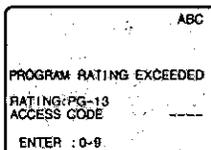
FV	Fantasy Violence
V	Violence
S	Sexual Situations
L	Adult Language
D	Sexually Suggestive Dialogue

Process of V-Chip Control Feature

Enter Code → Setup → Blocking

Blocking Message

<When V-Chip Control is activated>



- If a program or movie exceeds the ratings you have set, a message will appear on a black background and sound is muted.

To View a Blocked Program / Movie

[Temporarily Deactivate V-Chip Control]

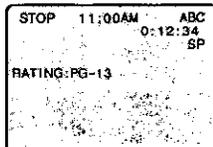
Enter your secret code (ACCESS CODE) in the Blocking Message screen.

- V-Chip Control is reactivated when power is turned off or power failure occurs.

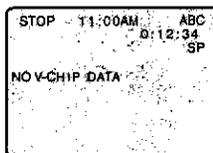
[Deactivate V-Chip Control]

Enter your secret code (steps 1-4 page 34).

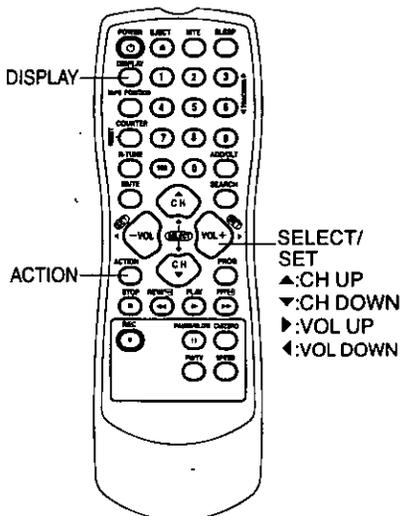
Then, set US MOVIES and/or US TV PROGRAMS to "OFF" using ▲▼ and ► keys. (Ratings set on pages 35, 36 are retained and will be in effect when V-Chip Control is activated again.)



- If DISPLAY is pressed, even when V-Chip control is deactivated, rating is displayed on-screen.



- If DISPLAY is pressed, when V-Chip has not been setup, "NO V-CHIP DATA" is displayed on-screen.



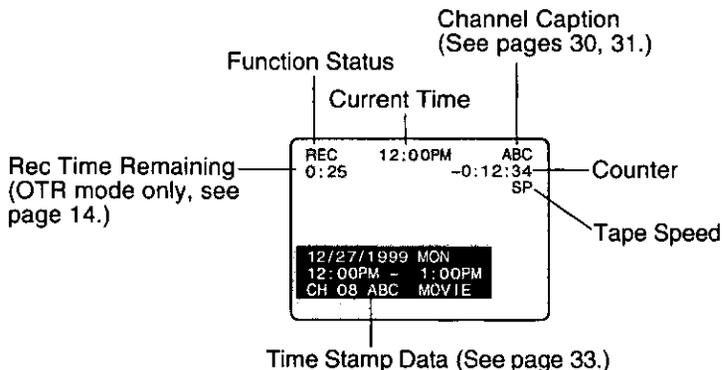
Model PV-C921/PV-C931W remote is shown here.

On-Screen Display (OSD)

VCR Status & Clock Display

Press **DISPLAY**

to display or remove the overlay.

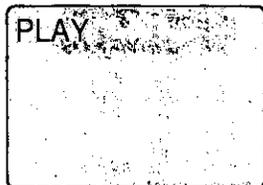
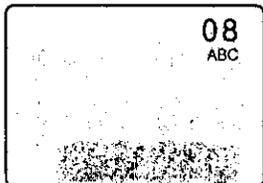


Blue Screen Display

Whenever a blank section of a tape comes up in Play mode, or when the selected channel has no broadcast signal with the Weak Signal Display set to "OFF" (see page 32), the screen will turn solid blue.

Channel & Function Display

When a function button is pressed (PLAY, FF, etc.) or you change channels, the unit mode or channel number will be displayed. (Some station names may also appear if Channel Caption is set. See pages 30, 31.)

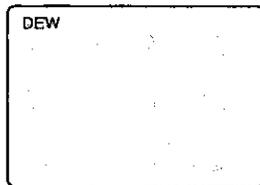


Dew Detection System

To prevent damage to your tapes, this unit is equipped with a dew detection system. When moisture condensation is detected inside the unit, "DEW" will appear on-screen for a few seconds. If a tape is inserted, it will be ejected.

Also, VCR functions will be non-operational until dew condition passes.

Press **DISPLAY** to see if dew condition still exists. In order to avoid this condition, try not to move the unit directly from a cold place to a warm place. TV functions are not affected.



Warning and Instruction Displays

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

OSD	Caution	Page
NO CH FOUND PLEASE CHECK ANTENNA CABLE CONNECTION THEN PUSH CH UP KEY AGAIN	• If no active channels are found for CHANNEL MEMORY...	5,8-11
PLEASE SET CLOCK BEFORE PROGRAMMING	• If you attempt to set or review a Timer Recording, or set the On-Timer and the Clock is not set...	8-13
CHECK CASSETTE RECORD TAB	• If you press REC, and a cassette is inserted with no record tab...	4, 14
TO CANCEL TIMER REC HOLD DOWN STOP KEY FOR APPROX 3 SEC	• If you press STOP during a Timer Recording...	25
NO CASSETTE PLEASE INSERT A CASSETTE	• If you press PLAY, FF, REW, or REC without a cassette inserted...	14
DEW	• If moisture condensation is detected inside the unit...	38
VIDEO HEADS MAY NEED CLEANING PLEASE INSERT HEAD CLEANING CASSETTE OR REFER TO MANUAL END: PLAY KEY	• If head cleaning becomes necessary while playing back a tape...	41
VCR LOCK ACTIVATED	• If you press a function button other than STOP/EJECT or POWER while the unit is in VCR Lock mode...	32

Operation Differences Using AC or DC Power

This unit is equipped to be operated on either AC or DC power. However, there are some differences in unit operation depending on which power supply is used.

Notes

- The unit will accept commands from the remote control only when POWER on the unit is turned ON (POWER indicator is lit.)
- When POWER on the unit is OFF (DC power source), it's the same as if the unit were unplugged. Therefore, all memory data, i.e. clock data, etc. is erased in approximately one minute.
- If there is a loss in battery voltage of more than 30 seconds, the unit automatically shuts off.

AC Power Supply is Used	DC Power Supply is Used
<ul style="list-style-type: none">• If POWER on the remote control is pressed OFF during rewind, the power will shut off but the rewind will continue (Memory Rewind.) If it is pressed during recording, the recording will continue.	<ul style="list-style-type: none">• If POWER on the remote control is pressed OFF during rewind, the rewind is terminated and the unit shuts off. If it is pressed while recording, the recording is terminated and the unit shuts off.
<ul style="list-style-type: none">• When STOP is pressed, the cylinder continues to rotate for 5 minutes.	<ul style="list-style-type: none">• When STOP is pressed, the cylinder stops.
<ul style="list-style-type: none">• If the AC cord is unplugged and then plugged back in, the unit will be in OFF condition.	<ul style="list-style-type: none">• If POWER on the unit is pressed OFF, the unit will be in Stop mode when turned back on.• If the DC cord is unplugged, and then plugged back in; <u>within one minute</u>, Play and Rec mode will continue. All other functions will change to Stop mode. If unplugged for <u>over one minute</u>, the unit will be in STOP mode when plugged back in.
<ul style="list-style-type: none">• If POWER on the unit is pressed OFF, OTR (One Touch Recording) is continued.	<ul style="list-style-type: none">• If POWER on the unit is pressed OFF, OTR (One Touch Recording) will be canceled.
<ul style="list-style-type: none">• If POWER on the unit is pressed OFF, Timer Recording will be performed.	<ul style="list-style-type: none">• If POWER on the unit is pressed OFF, while a Timer Recording is in progress, the Timer Recording will be canceled.
<ul style="list-style-type: none">• If POWER on the unit is pressed OFF during rewind, the power will shut off but the rewind will continue (Memory Rewind.)	<ul style="list-style-type: none">• If POWER on the unit is pressed OFF during rewind, the rewind is terminated and the unit shuts off.

WARNING:

- There may be an excessive drain on the battery if the unit is used along with such power consuming things as fog lamps, air conditioner, power windows, etc.
- Never watch or operate the unit while driving a vehicle.
- Avoid leaving the unit in places of extreme heat, such as inside a hot vehicle, or in direct sunlight as this may damage the unit.

Unit Information

Head Cleaning

Playing older or damaged tapes may eventually cause video heads to become clogged.

Head Clog Sensor

During playback this screen appears if clogging is detected. To remove screen, press **PLAY** on the remote or unit.

- Use "dry" type head cleaning cassette only. (Part No. NV-TCL30PT is recommended.)
- Follow cleaning tape directions carefully. Excessive use of head cleaning tape can shorten the video head life.
- If head clog symptoms persist, contact your nearest Factory Service Center or authorized Service Center. (See page 43.)

VIDEO HEADS MAY
NEED CLEANING
PLEASE INSERT HEAD
CLEANING CASSETTE
OR REFER TO MANUAL

END:PLAY KEY

Build-in Head Cleaner <For Model PV-C911 only>

A clean video head helps produce a clear picture. So, we have equipped your unit 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 unit to a Service Center.

DST (Daylight Saving Time)

Unit auto adjusts clock for DST (Daylight Saving Time.)

■ Spring (First Sunday in April)

DST : ON → Sets clock ahead one hour.

■ Autumn (Last Sunday in October)

DST : ON → Turns clock back one hour.

- If your area does not observe Daylight Saving Time, select DST:OFF.
- Keep these time changes in mind when programming the unit for timer recordings.

Record/Playback Time

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

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

Specifications

Display

Picture Tube: 9 inch measured diagonal 90° deflection Picture Tube

VCR

Video Recording System: 2 rotary heads helical scanning system

Audio Track: 1 track

Tuner

Broadcast Channels: VHF 2 ~ 13, UHF 14 ~ 69
 CABLE 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 CABLE channel 5A(01)
 Ultraband 65 ~ 94, 100 ~ 125

FM Radio

Band range: 87.5 ~ 108.1 MHz
(PV-C921/PV-C931W)

FM Transmitter

Band range: 93 ~ 97, 99 ~ 103 MHz
(PV-C921/PV-C931W)

General

Power Source: 120 V AC, 60 Hz (AC)
12V/24V (DC)

Power Consumption: **Power on**
 Approx. 63 watts (AC)
 Approx. 59 watts (DC)
Power off
 Approx. 3.5 watts (AC)
 Approx. 0.8 watts (DC 12V)
 Approx. 1.5 watts (DC 24V)

Television System: EIA Standard NTSC color
 Speaker: 1 piece
 Operating Temperature: 5°C ~ 40°C (41°F ~ 104°F)
 Operating Humidity: 10% ~ 75%
 Weight: 9.1 Kg (20.1 lbs.)
 Dimensions: 302 (W) X 327 (H) X 335 (D) mm
 11-7/8" (W) X 12-7/8" (H) X 13-3/16" (D)

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

Features for a Quality Picture

Digital Auto Tracking

Continuously analyzes the signal and adjusts for optimum picture quality.

Manual Tracking Control (to reduce picture noise)

Use during Playback and Slow Motion mode to reduce picture noise. Press the 3 or 6 number key on the remote control or CH ▲▼ on the unit until the picture clears up. To return to Auto Tracking, press POWER off, then on again a few seconds later.

For Your Information

Before Requesting Service

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

Power	Correction
No power...	<ul style="list-style-type: none">• Completely insert Power Plug into an AC outlet or when using the DC Car battery cord, check to see if the fuse is blown.• Set POWER button to ON.
Monitor	Correction
No picture or sound...	<ul style="list-style-type: none">• Make sure your antenna system (TV or CABLE), is correctly set. (P. 8-11)• Completely insert Power Plug into an AC outlet. (Or use the DC Car Battery cord.)
Poor picture with normal sound...	<ul style="list-style-type: none">• Set POWER button to ON.
Poor sound with normal picture...	<ul style="list-style-type: none">• Adjust BRIGHTNESS, SHARPNESS, and PICTURE controls in the SET UP TV menu. (P. 17)
Poor TV reception...	<ul style="list-style-type: none">• Adjust VOLUME control. (P. 16)
No color or poor color...	<ul style="list-style-type: none">• Adjust SHARPNESS and PICTURE controls in the SET UP TV menu. (P. 17)
Ghost (multiple) images...	<ul style="list-style-type: none">• Adjust TINT and COLOR controls in the SET UP TV menu. (P. 17)
TV programs cannot be watched...	<ul style="list-style-type: none">• Install a directional antenna.
Channel cannot be selected...	<ul style="list-style-type: none">• Make sure the selected channel is in unit's memory. (P. 12, 13)• Only the channel being recorded can be viewed on this unit.
VCR	Correction
TV program cannot be recorded...	<ul style="list-style-type: none">• Make sure your antenna system (TV or CABLE), is correctly set. (P. 8-11)• Make sure cassette record tab is intact. (P.4)
Timer recording cannot be performed...	<ul style="list-style-type: none">• Check that clock is set to current time and date.• Make sure DSS/CABLE box (if used) is left on and tuned to channel to be recorded.• Set recording Start/Stop times correctly. (P. 24-25)• Timer recording may not be performed or continued if a power interruption of more than 1 minute occurs before or during a Timer recording even after power is restored.
No playback picture, or the playback picture is noisy or contains streaks... VCR cannot be controlled...	<ul style="list-style-type: none">• Adjust TRACKING control in either direction. (P. 41)• Try Head Cleaning. (P. 41)• Make sure VCR LOCK is set to off. (P. 32)• Make sure unit is not in a Timer Record operation.
Remote Control	Correction
Unit cannot be controlled...	<ul style="list-style-type: none">• Aim remote at remote sensor on unit (P. 7) so that signal is unobstructed.• Inspect the remote batteries. (P. 4)• Make sure VCR LOCK is set to off. (P. 32)• Exposing unit remote sensor to direct fluorescent or outdoor light may cause signal interference.• Check remote batteries.
ACTION, PROG and FM/TV buttons cannot be selected...	
Miscellaneous	Correction
Video cassette cannot be inserted...	<ul style="list-style-type: none">• Insert the cassette window side up; record tab facing you.
Video cassette cannot be removed...	<ul style="list-style-type: none">• Completely insert Power Plug into an AC outlet. (Or use the DC Car Battery cord.)
Tape cannot be ejected or inserted...	<ul style="list-style-type: none">• Try ejecting or inserting the tape again after turning POWER off, then back on.
Video cassette ejects when a recording is started, or the power is turned off for timer recording... In Stop mode, the VCR motor (CYLINDER) continues to rotate...	<ul style="list-style-type: none">• Make sure cassette record tab is intact. (P. 4)
VCR cannot be controlled...	<ul style="list-style-type: none">• To enable Quick Play mechanism, the VCR cylinder will rotate for about 3 minutes. This reduces response time from Stop to Play mode and from Play to Rewind Search mode.• Make sure VCR LOCK is set to off. (P. 32)

If you cannot resolve the problem, please call the Customer Satisfaction Center for product assistance at 201-348-9090.

To locate an authorized servicenter call toll free 1-800-211-PANA(7262)

or send e-mail to : consumerproducts@panasonic.com.

Service Center List

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact:
1-800-211-PANA (7262), Monday-Friday 9 am-9 pm Saturday-Sunday 9 am-7 pm, EST.
or send e-mail to : consumerproducts@panasonic.com

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

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

Accessory Purchases:

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

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

(6 am to 5 pm Monday - Friday; 6 am to 10:30 am Saturday; PST)

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

Factory Servicenters Locations

CALIFORNIA

6550 Katella Avenue
Cypress, CA 90630

800 Dubuque Avenue
S. San Francisco,
CA 94080

3878 Ruffin Road
Suite A
San Diego, CA 92123

COLORADO

1640 South Abilene
Street Suite D
Aurora, CO 80012

FLORIDA

3700 North 29th
Avenue Suite 102
Hollywood, FL 33020

GEORGIA

8655 Roswell Road
Suite 100
Atlanta, GA 30350

ILLINOIS

9060 Golf Road
Niles, IL 60714

1703 North Randall
Road Elgin, IL 60123
(Pick-up / Drop-off
only)

MARYLAND

62 Mountain Road
Glen Burnie,
MD 21061

MASSACHUSETTS

60 Glacier Drive
Suite G
Westwood,
MA 02090

MINNESOTA

7850-12th Avenue
South Airport
Business Center
Bloomington,
MN 55425

OHIO

2236 Waycross Road
Civic Center Plaza
Forest Park, OH
45240

PENNSYLVANIA

2221 Cabot Blvd
West Suite B
Langhorne, PA 19047

TEXAS

13615 Welch Road
Suite 101
Farmers Branch,
TX 75244

WASHINGTON

20425-84th Avenue
South Kent,
WA 98032

HAWAII

99-859 Iwaiwa Street
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As of January 2000

Limited Warranty

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

Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc.
AVE. 65 de Infantería, Km. 9.5 San Gabriel
Industrial Park Carolina, Puerto Rico 00985

PANASONIC Video Products Limited Warranty

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the Warrantor") will repair this product with new or refurbished parts, free of charge, in the USA or Puerto Rico, in the event of a defect in materials or workmanship as follows (all time periods commence from the date of the original purchase):

PRODUCT	PARTS	LABOR	SERVICE	CONTACT NUMBER
CAMCORDER	ONE (1) YEAR, EXCEPT CCD IMAGE SENSOR CCD IMAGE SENSOR - SIX (6) MONTHS	NINETY (90) DAYS NINETY (90) DAYS	Carry-In or Mail In	1-800-211-PANA(7262)
VCR	ONE (1) YEAR	NINETY (90) DAYS	Carry-In or Mail In	1-800-211-PANA(7262)
AV MIXER	ONE (1) YEAR	NINETY (90) DAYS	Carry-In or Mail In	1-800-211-PANA(7262)
MONITOR- VCR Combination	ONE (1) YEAR, EXCEPT CRT CRT - TWO (2) YEARS	NINETY (90) DAYS CRT - NINETY (90) DAYS	Carry-In: 21" CRT and Smaller In-home or carry-in: 22" CRT and Larger	1-800-211-PANA(7262)

Batteries (if included) - New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days. Non-rechargeable batteries are not warranted.

Tape (if included) - New video cassette tape in exchange for a defective video cassette tape for five (5) days. In-home, carry-in or mail-in service, as applicable, in the USA can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Service Directory. Or call toll free contact number listed above, to locate an authorized PASC Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover normal maintenance, including, but not limited to, video and audio head cleaning. The warranty does not cover damage which occurs in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGE TO RECORDING MEDIA) RESULTING FROM THE USE OF THIS PRODUCTS, OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

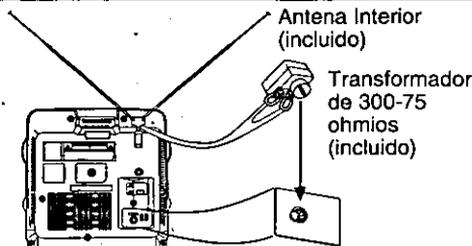
If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the Panasonic Consumer Electronics Company address above.

SERVICE CALLS WHICH DO NOT INVOLVE DEFECTIVE MATERIALS OR WORKMANSHIP AS DETERMINED BY THE WARRANTOR, IN ITS SOLE DISCRETION, ARE NOT COVERED. COSTS OF SUCH SERVICE CALLS ARE THE RESPONSIBILITY OF THE PURCHASER.

warwid 8/8/2000

Conexión de la Antena Interior

Inserte la antena varilla (suministrada) en el receptáculo de la parte trasera de la combinación de VCR/TV. Luego, conecte los dos alambres al transformador de 300 ohmios-75 ohmios (suministrado.) Entonces, conecte el transformador a la parte trasera de la combinación de VCR/TV como se muestra. Ahora, despliegue la antena y ajuste su longitud, dirección y ángulo para la más clara imagen.

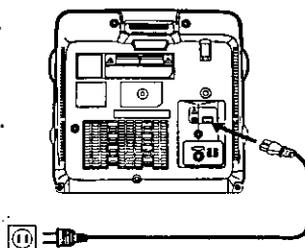


Conexión a la fuente de alimentación

Ud. podrá llevar su combinación de VCR/TV a donde ud. va con dos diferentes formas de alimentación. Ud. podrá conectar su cable de C.A. (corriente alternada) incorporado a cualquier fuente de CA. Cuando está viajando, conecte su cable para batería de coche al enchufe de su encendedor de cigarrillo. Para su seguridad de uso y para evitar daños al aparato, por favor siga las instrucciones y conexiones con cuidado.

■ Conexión del cable de CA (incorporado)

1. Conecte el cable de CA incorporado al enchufe de entrada CA en la parte trasera del aparato como está demostrado.
2. Conecte el cable de CA al enchufe de CA su pared.

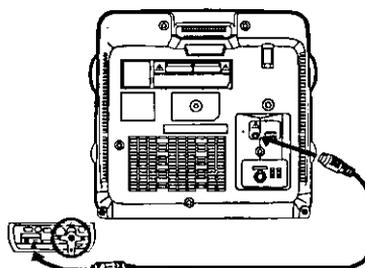


■ Conexión del cable para la batería de coche (incorporado)

1. Conecte el cable para batería de coche al enchufe de entrada CC en la parte trasera del aparato como está demostrado.
2. Arranque su vehículo.
 - No conecte su cable al enchufe del encendedor de cigarrillo antes de arrancar su vehículo.
3. Desconecte el encendedor de cigarrillo y conecte el enchufe de su cable para batería.

NOTAS IMPORTANTES:

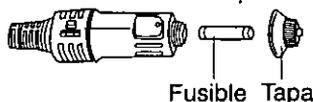
- Este cable sólo se puede usar en vehículos con batería de 12V o 24V (toma a tierra negativo.) Verifique en su manual de instrucciones de su vehículo.
- Use solamente el cable para batería de coche incorporado con su combinación de VCR/TV.
- Para evitar la disminución del voltaje, no extienda el cable para batería de coche desde usando otro cable de extensión.
- Cuando no está usando el aparato, desconecte el cable para batería de coche desde el enchufe del encendedor para cigarrillo para evitar la descarga de la batería de su automóvil.



■ Cambio del fusible de cable para

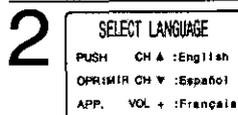
Si su fusible de seguridad se ha cortado, cambie como sigue al siguiente.

1. Destornille la tapa.
2. Cambie su fusible con otro fusible de 125V 10A.
 - Use sólo fusibles con las especificaciones correctas.
3. Reponga la tapa.



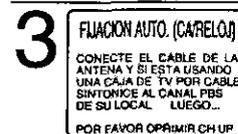
Como realizar la Configuración Inicial

1 Presione **POWER** para encender el videograbador combinado.



Cuando encienda el VCR por primera vez, aparecerá la pantalla **SELECT LANGUAGE**.

- Si ajusta el idioma incorrecto, realice los pasos de la página 9 "Reajuste de todas las Funciones de Memoria de la unidad".
- Active la caja de cables y ajústela al canal PBS en su huso horario. Si usted utiliza receptor DSS, este debe estar apagado.



Presione **CH ▲** para seleccionar inglés (English).

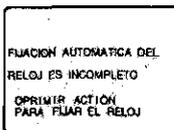
Presione **CH ▼** para seleccionar Español.

Presione **VOL +** para seleccionar Francés (Français). Aparecerá la pantalla **CHANNEL / CLOCK AUTO SET**.



Presione la tecla **CH ▲** para iniciar el funcionamiento de **CHANNEL / CLOCK AUTO SET**. El ajuste del **CHANNEL / CLOCK** se lleva a cabo automáticamente, si la configuración se ha terminado, se visualiza la pantalla siguiente.

Si aparece la pantalla "FIJACION AUTOMATICA DEL RELOJ INCOMPLETO", ajuste el reloj utilizando los procedimientos de "AJUSTE MANUAL DEL RELOJ" mostrados en la página 9.



Ajuste Manual del Reloj

Si el ajuste automático del reloj no se ha completado, ajuste el reloj manualmente de la siguiente manera:

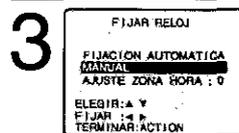
- 1) Presione la tecla **ACTION** en el control remoto para visualizar la pantalla del menú **RELOJ**.
- 2) Presione **▲▼** para seleccionar el mes y **►** para ajustar. De la misma forma, seleccione y ajuste la fecha, año, hora y DST (Hora de Verano).
- 3) Presione dos veces la tecla **ACTION** para poner el **RELOJ** en marcha y salir.

Ajustar de nuevo el reloj

1 Presione **ACTION** para exhiba el menú.



Presione **▲▼◀▶** para seleccionar "RELOJ". Presione **ACTION**.



Presione **▲▼** para seleccionar "MANUAL" y luego presione **►**.



Presione **▲▼** y **◀▶** para seleccionar y ajustar la hora y la fecha.

5 Presione **ACTION** dos veces para que el reloj comience a funcionar y salir desde este modo.

Operaciones básicas para la reproducción

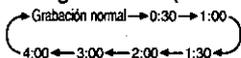
- 1 Inserte un casete.**
 - El videograbador combinado se enciende automáticamente.
- 2 Presione PLAY.**
 - La reproducción comienza automáticamente si el casete no tiene la lengüeta para prevención de grabación.
 - Para encontrar una escena en particular Búsqueda hacia adelante → Presione FF Búsqueda hacia atrás → Presione REW
 - Para ver una imagen fija (congelada) → Presione PAUSE/SLOW
 - Para ver en cámara lenta → Mantenga pulsado el botón PAUSE/SLOW en el modo de imagen fija
 - Para ver imágenes cuadro a cuadro → Presione PAUSE/SLOW en el modo de imagen fija
 - Para parar → Presione STOP
 - Para rebobinar la cinta → Presione REW
 - Para hacer avanzar la cinta rápidamente → Presione FF
 - Para expulsar la cinta → Presione EJECT en el control remoto o STOP/EJECT en el videograbador combinado

Operaciones básicas para la grabación

- 1 Inserte un casete con la lengüeta para prevención de grabado.**
 - El videograbador combinado se enciende automáticamente.
- 2 Seleccione el canal.**
 - Presione CH ▲▼ o las teclas numéricas correspondiente.
- 3 Seleccione la velocidad de grabación.**
 - Presione SPEED.
 - SP = reproducción normal
 - LP = reproducción larga
 - SLP = reproducción super larga
 - La velocidad seleccionada debe aparecer en la pantalla.

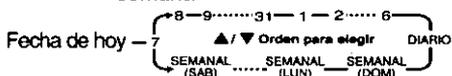
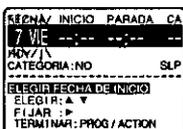
- 4 Comience la grabación.**
 - Presione REC.
 - Para editar partes no deseadas de una grabación, presione PAUSE/SLOW para hacer una pausa durante la grabación.
 - No podrá ver otro canal durante la grabación.
 - Para parar → Presione STOP.
 - El videograbador combinado **deja de grabar a una hora prefijada.** (Grabación de un toque)

Presione REC repetidamente para ajustar la hora de grabación (30 min - 4 horas.)



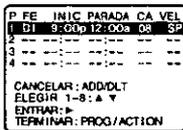
Grabación con temporizador

- 1 Exhiba FIJAR PROGRAMACION.**
 - Presione PROG.
- 2 Exhiba TEMPORIZADOR.**
 - 1) Presione ▲▼ para seleccionar.
 - 2) Presione ► para exhibir.
 - Si ya existe un programa en la memoria, presione ▲▼ y ► para seleccionar un número de programa sin usar.
- 3 Ajuste la fecha de grabación.**
 - 1) Presione ▲▼ para seleccionar.
 - 2) Presione ► o ◀ para ajustar.
 - 1 - 31 = Grabación única
 - DIARIO = a la misma hora de lunes a viernes
 - SEMANAL = a la misma hora una vez a la semana



Repita el paso 3 para ajustar: hora de comienzo, hora de parada, canal (o LINEA para una fuente exterior), categoría [N/O (no aplicable), DEPORTE, CINE, COMEDIA, MUSICA, DRAMA], velocidad (SP, LP, SLP)

- 4 Termine el programa.**
 - Presione PROG (o ACTION.)
 - Para introducir más programas.** presione ▲▼ y ► para seleccionar y ajustar el número de programa en blanco, y luego repita los pasos 3 y 4.



- 5 Salga de este modo.**
 - Presione PROG dos veces (o ACTION.)
 - Si está usando un decodificador de TV cable, asegúrese que se encuentra en el canal deseado y que la alimentación queda conectada para grabar con temporizador.
 - El indicador PROG TIMER se enciende en el videograbador combinado.

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