Panasonic

Omnivision **VHS**

Combination VCR
Operating Instructions
Models No. PV-C2060 / PV-C2080

energy

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.*

VCR plus+®

Easy Taping.

FM RADIO AUTO SCAN	VCRplus+ SIMPLE PROGRAMMING	ALARM CLOCK	12:30AM AUTO CLOCK SET	FRONT A/V INPUT & EARPHONE JACK	1min./2min./3min. COMMERCIAL SKIP

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.)

LSQT0185B

For assistance, call 1-800-211-PANA(7262)

Important Safeguards and Precautions

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:
a. Never cover ventilation slots while unit is ON, or operate unit while placed on a bed, sofa, rug, or other soft surface.
b. 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.
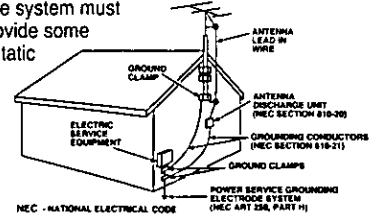
2 KEEP ANTENNA CLEAR OF HIGH VOLTAGE POWER LINES OR CIRCUITS
Locate an outside antenna system well away from power lines and electric light or power circuits so it will never touch these power sources should it ever fall. When installing antenna, absolutely never touch power lines, circuits or other 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 serviced or repaired, request that a through safety check be done as described in the manufacturer's service literature to insure video unit is in safe operating condition.

2

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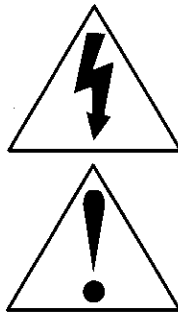**Attention:** Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

This video recorder, equipped with the HQ (High Quality) System, is compatible with existing VHS equipment.
Only use those tapes with the VHS mark. It is recommended that only cassette tapes that have been tested and inspected for use in 2, 4, 6, and 8 hour VCR machines be used.
This 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.

<table>
<tr><td>

⚡ **CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN   ⚠

CAUTION: TO REDUCE THE RISK
OF ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS
INSIDE REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL

</td><td>

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.

</td></tr>
</table>

Table of Contents

For assistance, call 1-800-211-PANA(7262)

Getting Started

Basic Operation

Advanced Operation

For Your Information

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
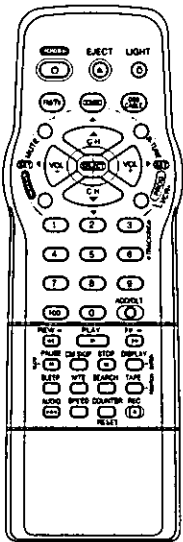
☐ Remote Control
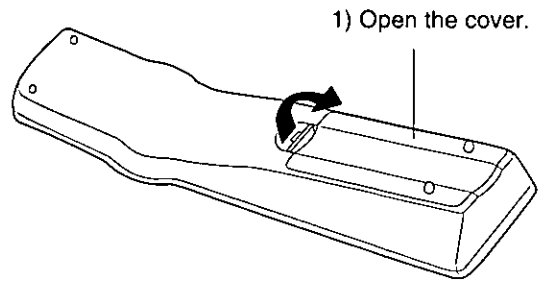LSSQ0198
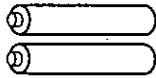
☐ Batteries
2 "AA"

To order accessories, call toll free 1-800-332-5368.
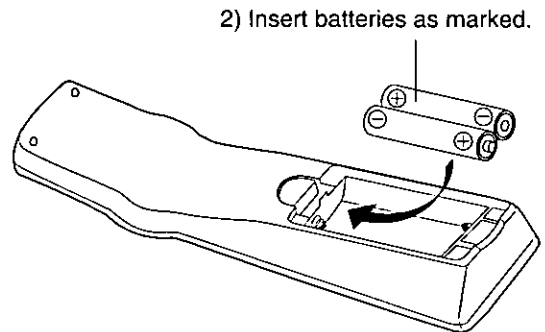
Record/Playback Time

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

Loading the Batteries

1) Open the cover.
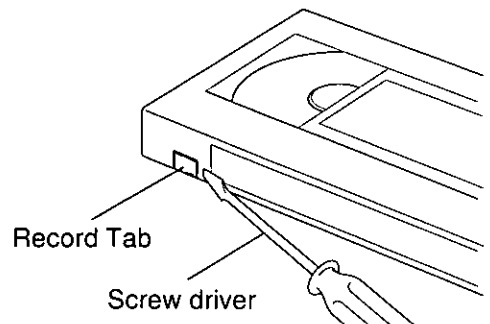
2) Insert batteries as marked.
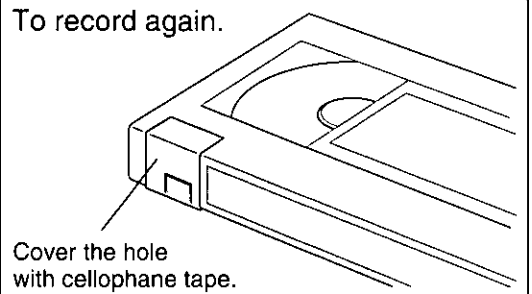
3) Close the cover.

☐ **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.

Record Tab

Screw driver

To record again.
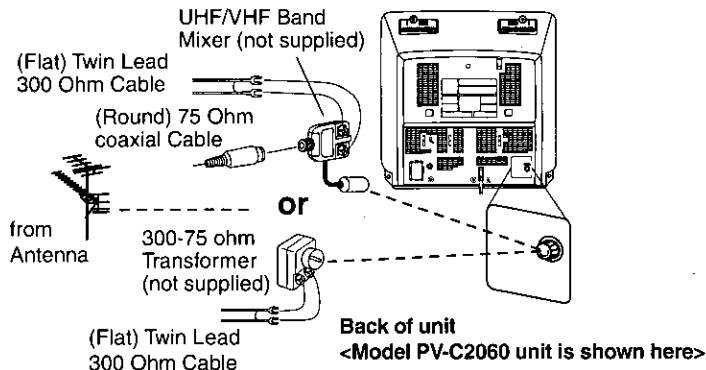
Cover the hole with cellophane tape.

Connections

Outdoor Antenna Connection

Unhook the antenna from your previous TV or VCR and connect it to the back of the unit as shown in the diagram.

If your antenna system has separate UHF and VHF lead-ins, you need a UHF/VHF Band Mixer (not supplied.)

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

UHF/VHF Band Mixer (not supplied)

(Flat) Twin Lead 300 Ohm Cable

(Round) 75 Ohm coaxial Cable

or

from Antenna

300-75 ohm Transformer (not supplied)

(Flat) Twin Lead 300 Ohm Cable

Back of unit
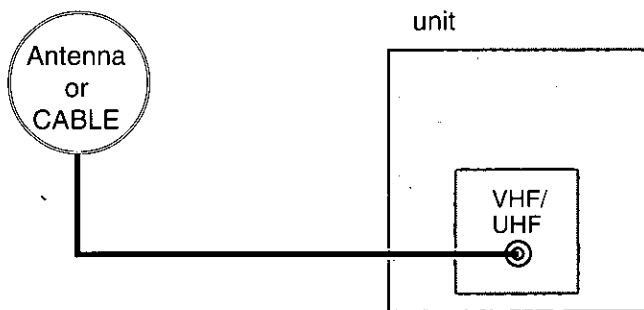**<Model PV-C2060 unit is shown here>**

DSS/Cable box Connections

■ Without a Cable Box

You can;
• record or view unscrambled channels.

You cannot;
• record or view scrambled channels.
• view a channel other than the one selected for any type of recording.

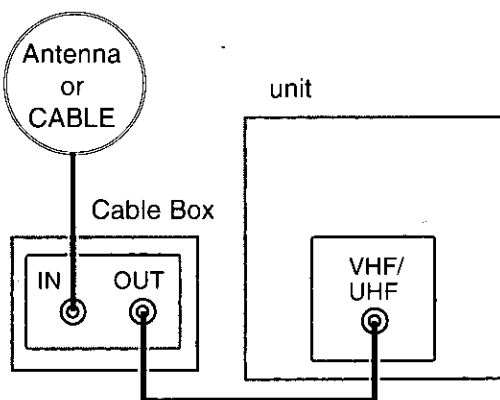Antenna or CABLE

unit

VHF/ UHF

■ With a Cable Box

You can;
• record or view any channel including scrambled channels.
NOTE: Channel selection must be made at the cable box.

You cannot;
• view a channel other than the one selected for any type of recording.
• do a Timer recording of a channel unless you select it at the cable box.

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.

Antenna or CABLE

unit

Cable Box

IN   OUT

VHF/ UHF

■ With a DSS Receiver

You can;
• record or view any channel including scrambled channels.
NOTE: Channel selection must be made at the DSS Receiver.

You cannot;
• view a channel other than the one selected for any type of recording.
• do a Timer recording of a channel unless you select it at the DSS box.
NOTE: The DSS receiver must be turned off to view programs from a cable box or antenna. See the DSS manual for details.
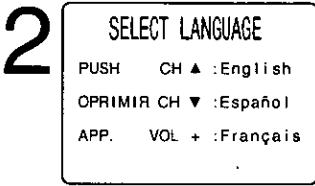
Antenna or CABLE

Satellite   unit

DSS Receiver

IN   IN

OUT

VHF/ UHF

7
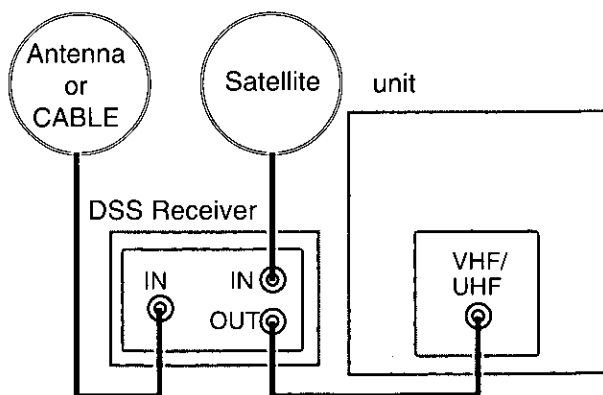
One Time Setup

When the unit is turned on the first time, setup mode is entered automatically.

Process of Setup

Language ⇒ channel ⇒ Clock

1

(POWER)

Press POWER* on the remote or unit.

2

SELECT LANGUAGE

PUSH   CH ▲ :English

OPRIMIR CH ▼ :Español

APP.   VOL + :Français

Select the language.

for English

for Spanish (Español)

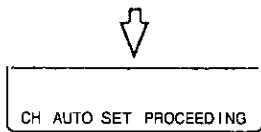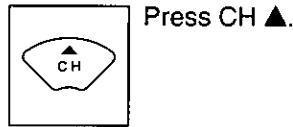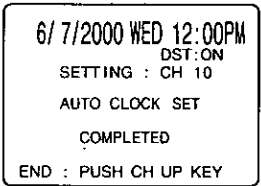for French (Français)
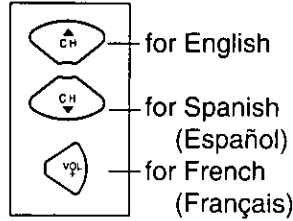
• If wrong language is set, complete "Reset all unit Memory Functions" steps page 48.
• If you use a cable box, it must be left on.

POWER **1**

CHANNEL DOWN **2**

2 CHANNEL • UP

3

2 VOLUME UP

3

CHANNEL/CLOCK AUTO SET

CONNECT ANTENNA CABLE AND IF YOU USE A CABLE BOX, TUNE IT TO YOUR LOCAL PBS CH THEN...

PLEASE PUSH CH UP KEY
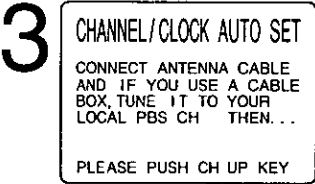
Start Channel Auto Set and Clock Auto Set.

Press CH ▲.

⇩

CH AUTO SET PROCEEDING

⇩

AUTO CLOCK SET PROCEEDING

⇩

Case 1 (Setup completed)

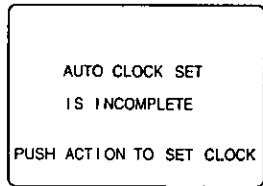6/ 7/2000 WED 12:00PM
DST:ON
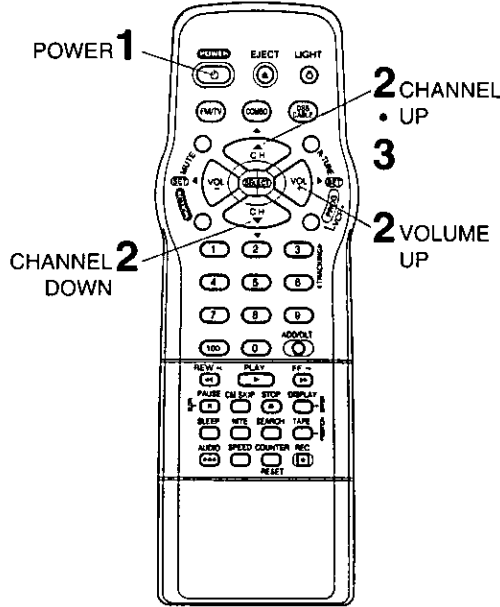SETTING : CH 10
AUTO CLOCK SET
COMPLETED
END : PUSH CH UP KEY
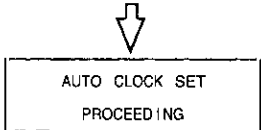
Press CH ▲ to exit.
• If your area observes daylight saving time, but you would like to turn the DST feature off, complete the "To Set or Reset the Clock" step on page 46 and set DST : OFF.

• If your area observes daylight saving time and DST is set to ON, but the time is incorrect; complete the Time Zone Adjust steps on the next page.

Case 2 (Setup incomplete)

AUTO CLOCK SET
IS INCOMPLETE
PUSH ACTION TO SET CLOCK

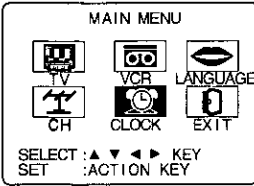**See Case 2 next page.**

IMPORTANT NOTE FOR AUTO CLOCK SET
• Auto clock set is performed the first time when the unit is turned off each day. If used, a cable box must be left on and tuned to the PBS channel at the time the unit power is turned off if you want auto clock set to be done.
• If using a DSS receiver, it must be turned off for auto clock set.
• If a Cable Box or DSS receiver is connected to the unit via Audio/Video Jacks, an RF coaxial cable must also be connected for auto clock set and channel auto set features.
• If for any reason the time is changed manually, automatic time correction will not occur.
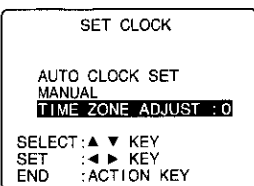
Getting Started

Case 1 Set TIME ZONE ADJUST.

1

Display MAIN MENU.
Press ACTION.
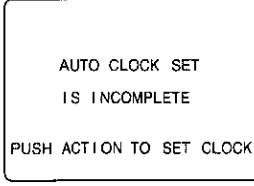
2

MAIN MENU

TV | VCR | LANGUAGE
CH | CLOCK | EXIT

SELECT :▲ ▼ ◄ ► KEY
SET :ACTION KEY

Display SET CLOCK screen.

1) Press ▲▼◄►
   to select
   "CLOCK"
2) Press ACTION
   to display.

3

SET CLOCK

AUTO CLOCK SET
MANUAL
TIME ZONE ADJUST : 0

SELECT :▲ ▼ KEY
SET :◄ ► KEY
END :ACTION KEY

Select TIME ZONE ADJUST.

1) Press ▲▼
   to select.
2) Press ◄► to
   subtract or add
   hour(s) as
   necessary.

4

End setup.
Press ACTION twice.
•TIME ZONE ADJUST
returns to "0" if clock is set
manually.
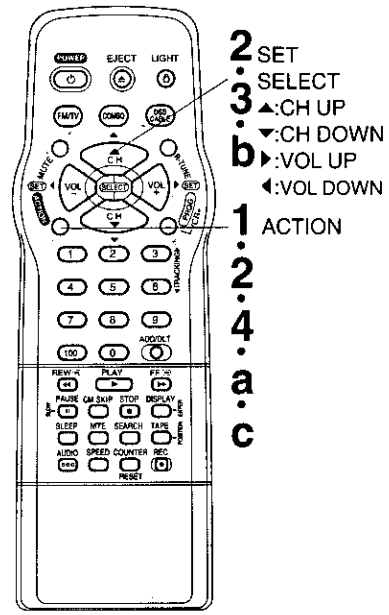
Case 2 Clock Setup is Incomplete
Set the clock manually.

a

AUTO CLOCK SET

IS INCOMPLETE

PUSH ACTION TO SET CLOCK

Display SET CLOCK screen.

Press ACTION
to exit this
mode.

---

b

SET CLOCK

--/--/---- --:--
DST:ON

SELECT MONTH

SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY

Set the clock manually.

1) Press ▲▼ to
   select the month.
2) Press ► to set.

• Likewise set date, year, time,
  and DST (Daylight Saving Time.)

To Make Corrections,
repeatedly press ◄► to move
to error, then correct.

---

c

End setup.
Press ACTION twice
(Clock starts.)

---

2 SET
  • SELECT
  3 ▲:CH UP
  • ▼:CH DOWN
  b ►:VOL UP
  ◄:VOL DOWN
  1 ACTION
  •
  2
  •
  4
  •
  a
  •
  c

Notes

• This unit's calendar is accurately maintained
  up to Dec. 31, 2089, 11:59 PM.

• Channel auto set selects normal TV or
  Cable channels depending on your unit
  hookup.

ACTION key on the unit

STOP/EJECT REW/◄◄	You can operate the menu screen using unit buttons.
— ACTION —	To display the menu,
On Unit	press STOP/EJECT and REW together with no tape inserted.

To exit the menu, repeat above with or
without tape inserted.

Using ▲▼◄► keys

	▲ : CH UP
	▼ : CH DOWN
	► : VOLUME UP
On Remote	◄ : VOLUME DOWN
VOL CH	Whenever the menu or program screen is displayed, CHANNEL UP/DOWN
On Unit	function as ▲▼ and VOLUME UP/DOWN function as ◄► only.

9

•Important: if the remote control POWER, CH Up/Down, NUMBERED keys, ACTION, PROG/VCR+, DISPLAY, SEARCH, R-TUNE, FM/TV, or ADD/DLT button does not work when pressed, press COMBO button on the remote and try the button again.
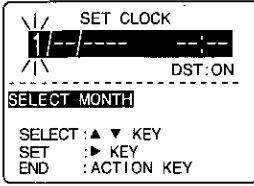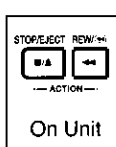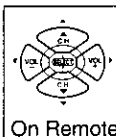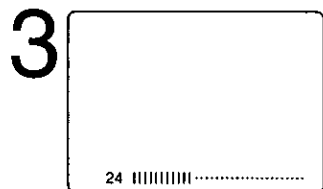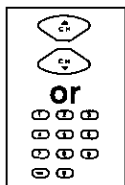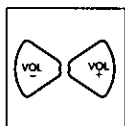
1 Press POWER* on the remote or unit.

☑ **Check list before you begin.**

☐ All connections are made. (See page 7.)
☐ Your unit is plugged in.

2
08
ABC
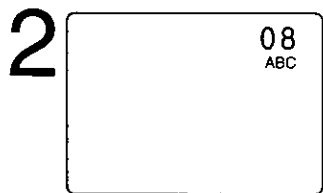
Select a channel.
Using CH ▲▼ or NUMBERED keys.

or

Model PV-C2060 unit is shown here.

3
24 ||||||||||| ·····················

Adjust volume.
Press VOL + –.

3 PLAY/ REPEAT

1 2 PHONES Jack
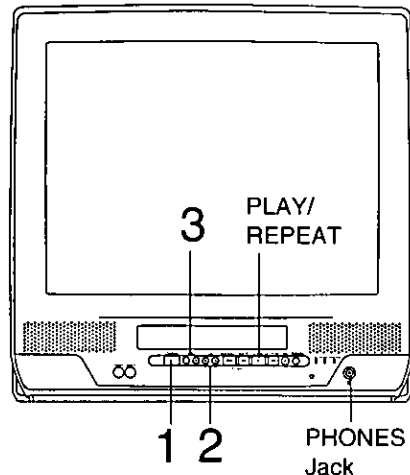
NIGHT (NITE) Mode

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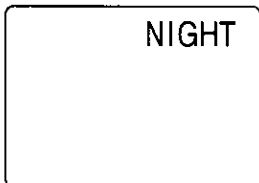
NIGHT
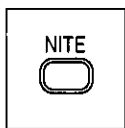
Set NIGHT mode.

NITE

Press NITE.
• NIGHT mode may be selected when watching TV, playing a tape, or while in FM mode.

To Cancel, press NITE.
• Previous settings are restored.
• NIGHT mode is canceled when power is turned off or power failure occurs.

■ **Using the 100 key**

When selecting CABLE channels 100 to 125 with the NUMBERED 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.

■ **SELF-DEMO Mode**

With Power ON, hold down PLAY/REPEAT on the unit for 5 seconds to display demo screen.
Repeat this to exit.

1 POWER
MUTE
RAPID TUNE
2 CH UP/DOWN
3 VOL UP/DOWN
2 NUMBERED KEYS
100 KEY
NITE

10
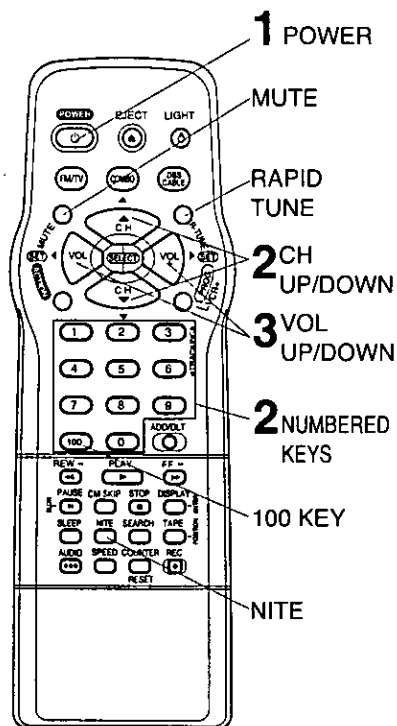
MTS Broadcast/TV Stereo System

Receivable Broadcast Types

The following are possible broadcast types with their accompanying on-screen displays. The signal being received is indicated with a " (« " mark while the selected audio mode is indicated with an arrow. To change the audio mode for these broadcasts, follow the "Select Audio Mode for TV Viewing" section (below.)

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

DISPLAY

Display the broadcast signal being received.
Press DISPLAY to display.

```
STOP    12:00AM    ABC
                 0:00:00
(«STEREO ←           SP
(«SAP
  MONO
```

MTS Stereo and SAP broadcast
Multi-channel Television Sound Stereo (main language) and Secondary Audio Program (sub language) broadcasts are both being received simultaneously. Select the STEREO or SAP audio mode.

```
STOP    12:00AM    ABC
                 0:00:00
(«STEREO ←           SP
  SAP
  MONO
```
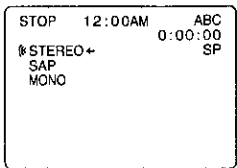
MTS Stereo broadcast
Multi-channel Television Sound Stereo broadcast. Select STEREO audio mode.
• If stereo broadcast is weak and the display flickers, select MONO audio mode for possibly better results.

```
STOP    12:00AM    ABC
                 0:00:00
  STEREO            SP
(«SAP   ←
  MONO
```
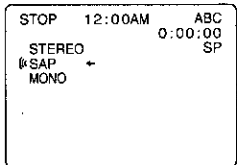
SAP broadcast
Secondary Audio Program (sub language.) Select SAP audio mode for the sub language.

```
STOP    12:00AM    ABC
                 0:00:00
  STEREO            SP
  SAP
  MONO ←
```
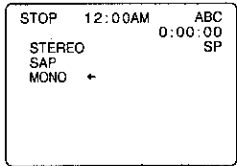
MONO broadcast
Normal monaural sound broadcast.

Select Audio Mode for TV Viewing

AUDIO

Press AUDIO to select the desired audio mode as described above.
(Arrow shows selection.)
• Each press of AUDIO will change the audio mode as shown below.
• "SAP" is selected with first press of AUDIO.

< Example >

Press AUDIO →

```
STOP    12:00AM    ABC
                 0:00:00
(«STEREO           SP
  SAP   ←
  MONO
```

Press AUDIO →

```
STOP    12:00AM    ABC
                 0:00:00
(«STEREO           SP
  SAP
  MONO ←
```

Press AUDIO →

```
STOP    12:00AM    ABC
                 0:00:00
(«STEREO ←         SP
  SAP
  MONO
```

DISPLAY

AUDIO
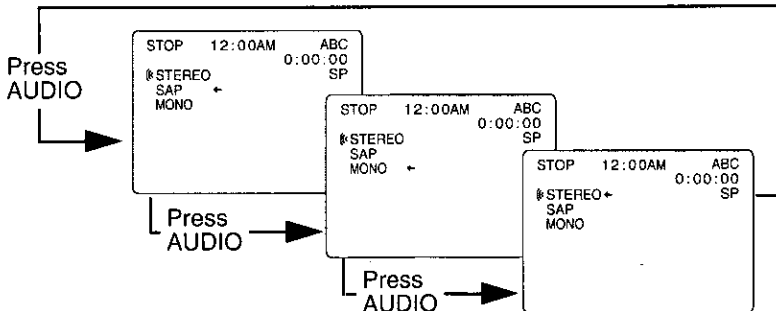
IMPORTANT NOTE:
<For model PV-C2060 only>
This stereo system is designed for TV viewing only. Recording and playback will always be in monaural.

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Model PV-C2060 unit is shown here.

☑ Check list before you begin.

☐ All connections are made. (See page 7.)
☐ Your unit is plugged in.

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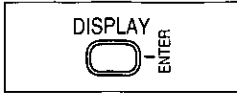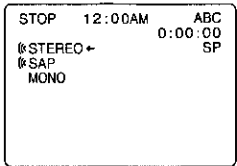• The unit power comes on automatically.

Record tab

Note

To prevent tape jam
Inspect your cassette tapes and remove any loose or peeling labels.
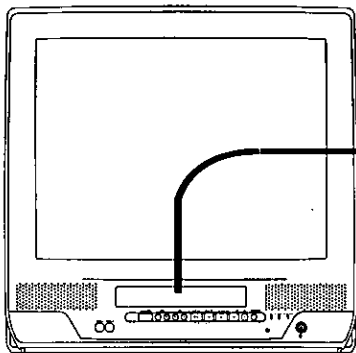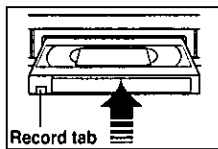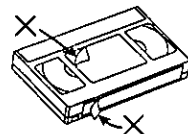
2 PLAY **Press PLAY.**
• Playback begins if cassette has no record tab.
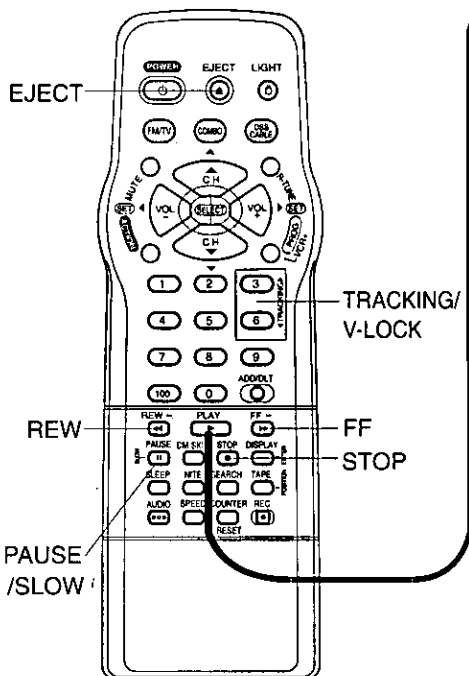
■ **To Find a Particular Scene**
Forward Search → Press FF
(To release, press PLAY or FF)
Reverse Search → Press REW
(To release, press PLAY or REW)

■ **To view a Still (Freeze) picture →**
Press PAUSE/SLOW (To release, press PLAY)

■ **To view in Slow Motion →**
Press and hold PAUSE/SLOW in the Still mode
(To release, press PLAY)

■ **To view Frame by Frame Advance →**
Press PAUSE/SLOW in the Still mode (To release, press PLAY)

Note

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.

■ **To stop → Press STOP**

■ **To rewind tape → Press REW in Stop mode**

■ **To fast forward tape → Press FF in Stop mode**

■ **To eject tape → Press EJECT on the remote or STOP/EJECT on the unit**

EJECT
TRACKING/V-LOCK
REW — FF
STOP
PAUSE/SLOW

You can operate on the unit
<Model PV-C2060 unit is shown here.>

1 Insert a cassette.
2 Press PLAY.

■ Press to stop and/or eject tape.

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 NUMBERED 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.

V-Lock Control
In Still mode, the 3 or 6 NUMBERED key on the remote control or CH ▲▼ on the unit operate as a V-Lock control to reduce jitter.

PanaBlack™ Picture Tube
This unit uses a PanaBlack™ picture tube for better color reproduction and picture contrast.

Record On a Tape

Model PV-C2060 unit is shown here.

☑ **Check list before you begin.**
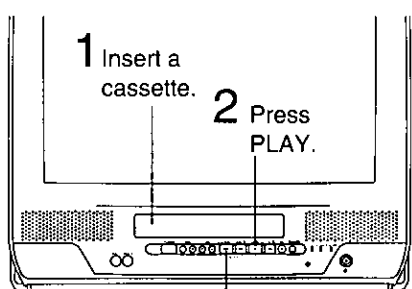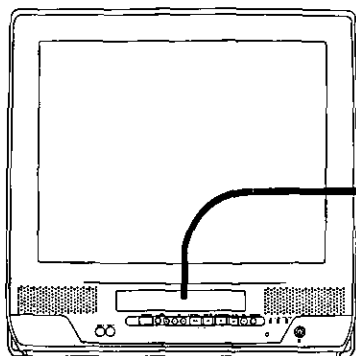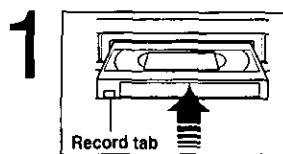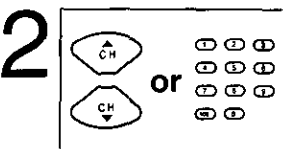- ☐ All connections are made. (See page 7.)
- ☐ Your unit is plugged in.
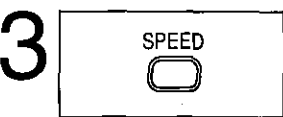- ☐ Cassette with record tab in place.

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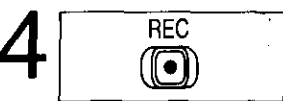- The unit power comes on automatically.

Record tab

2 Select Channel.
Press CH ▲▼, or NUMBERED keys.
- To select "LINE," see bottom of this page.

EJECT

SELECT/SET
▲:CH UP
▼:CH DOWN
▶:VOL UP
◀:VOL DOWN

ACTION

DISPLAY

PAUSE

STOP

3 SPEED

3 Select Recording speed (see page 6.)
Press SPEED.
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 to pause and resume recording.
- You cannot view another channel during recording.
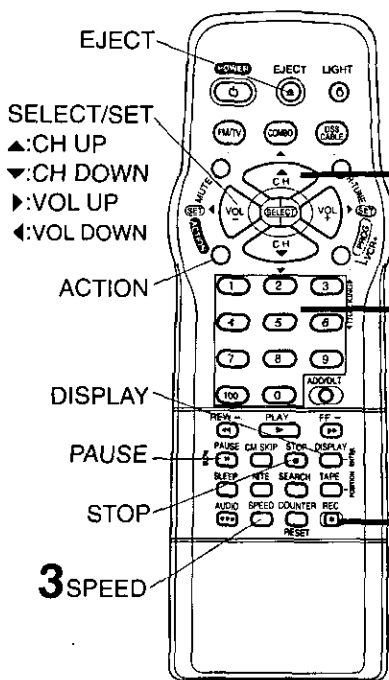
■ **To stop → Press STOP**

■ **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.

Normal Rec → 0:30 → 1:00 → 1:30 → 2:00 → 3:00 → 4:00
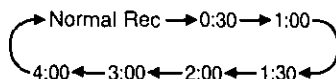
Selecting Input Mode

Method 1:
Press CH▲▼. The display will change as follows.

→1↔2↔3↔
(CABLE) (TV)
→LINE← →125 or 69←
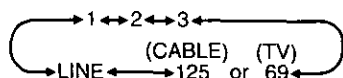
Method 2:
a Press ACTION for MAIN MENU.
b Press ▲▼◀▶ to select "TV", then press ACTION for SET UP TV screen.
c Press ▲▼ to select "INPUT SELECT," and then press ▶ to select "TUNER" or "LINE."
d Press ACTION twice to exit this mode.

Notes
- After the unit has been in Rec Pause mode for 5 minutes, it will stop automatically to protect the tape and video head.
- The remaining recording time of an OTR can be displayed by pressing DISPLAY.

You can operate on the unit
<Model PV-C2060 unit is shown here.>

1 Insert a cassette. 2 4
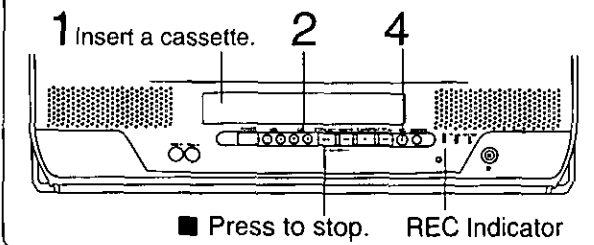
■ Press to stop.   REC Indicator

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

1

Display PROGRAM screen.

Press PROG/VCR+*.

☑ Check list before you begin.

- ☐ All connections are made. (See page 7.)
- ☐ Your unit is plugged in.
- ☐ The clock is set to correct time.
- ☐ The tape is long enough.
- ☐ The record tab is in place.

2

```
       SET  PROGRAM

VCR Plus+ PROGRAMMING
TIMER  PROGRAMMING
ON TIMER

SELECT :▲ ▼ KEY
SET    :► KEY
END    :PROG KEY
```

Select TIMER PROGRAM.
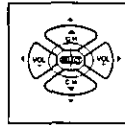
1) Press ▲▼ to select.
2) Press ► to display.

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

3

```
DATE / START   STOP   CH
7 FRI  --:--   --:-- --
TODAY
CATEGORY:N/A           SLP
------------------------
SELECT START DATE
SELECT :▲ ▼ KEY
SET    :► KEY
END    :PROG/ACTION KEY
```

Set the recording DATE.

1) Press ▲▼ to select.
2) Press ► or ◄ to set.

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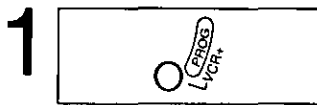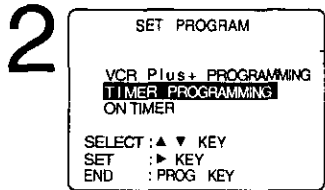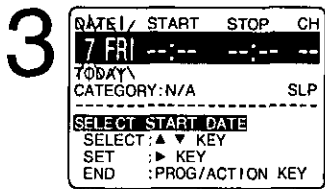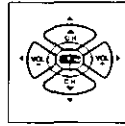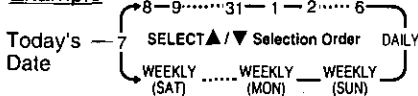
Example

```
        ┌─8─9······31─ 1 ─ 2······6─┐
Today's ─ 7  SELECT▲/▼ Selection Order   DAILY
Date    └─WEEKLY······WEEKLY──WEEKLY─┘
          (SAT)      (MON)   (SUN)
```
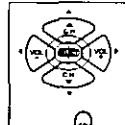
Repeat step 3 to set:
- start time, stop time
- Channel (or LINE for outside source)
- Category [N/A (not applicable), SPORTS, MOVIE, COMEDY, MUSIC, DRAMA]
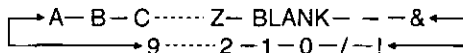- Speed (SP, LP, SLP)

4

```
DATE   START   STOP   CH
7 FRI  9:00P 12:00A   08
TODAY                ABC
CATEGORY:MOVIE       SP
------------------------
SET COMPLETED
WISH TO MAKE NOTES :▲ KEY
SET   :◄ ► KEY
END   :PROG/ACTION KEY
```
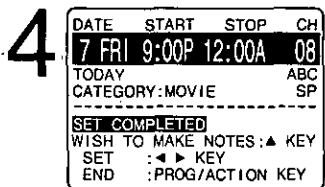
Make the notes.
(If not wanted, go to step 5.)

1) Press ▲ to begin.
2) Press ▲▼ to select.
3) Press ► or ◄ to set.
4) Press PROG/VCR+ (or ACTION) to end.

- Characters will change in the following order.

```
┌─A─ B─ C······ Z─ BLANK─ ─ ─&─┐
└──────► 9······2 ─1─ 0 ─/─!─◄─┘
```

Continued on the next page.

2 SET
. SELECT
3 ▲:CH UP
. ▼:CH DOWN
4 ►:VOL UP
◄:VOL DOWN

1 PROG/VCR+
.
4
.
5
.
6

Timer Recording Using unit Buttons

You can set a Timer Recording using ACTION key on the unit. (See page 9.)

```
VOL    CH        STOP/EJECT  REW/⏪
⊖ ⊕ ⊙ ⊙         [■▲]    [◄]
                  ─ ACTION ─
```
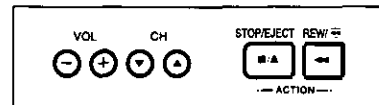
1 Press STOP/EJECT and REW together without a tape inserted to display MAIN MENU.
2 Press ▲▼ + − to select "VCR" and STOP/EJECT and REW together to display SET UP VCR screen.
3 Press ▲▼ to select "TIMER PROGRAM" and + to display the TIMER PROGRAM screen.
4 Repeat main steps 3~6.

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 13), the Timer Recording will not be performed.
- If there is a power interruption of more than one minute, the recording may not be performed or continue.
- If "INCOMPLETE" appears after all items have been set, check all entries and make necessary corrections.

5

```
P DT START  STOP   CH SPD
1 day  9:00p 12:00a 08  SP
2  -- --:-- --:--  -- --
3  -- --:-- --:--  -- --
4  -- --:-- --:--  -- --

CANCEL :ADD/DLT  KEY
SELECT 1-8:▲ ▼ KEY
ENTER  :► KEY
END    :PROG/ACTION KEY
```

End the program.
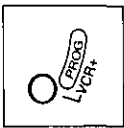
Press
PROG/VCR+
(or ACTION.)

To Enter More Programs
Press ▲▼ and ► to select and set a blank program number, and then repeat steps 3 and 4.

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.

6
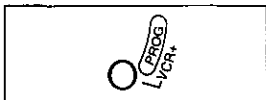
Exit this mode.

Press PROG/VCR+
(or ACTION) twice.

• If you're using a cable box, make sure that it is turned to the desired channel and the power is left on for timer recording.

• PROG TIMER indicator lights on the unit.

Model PV-C2060 unit is shown here.
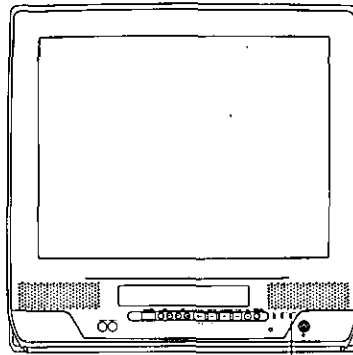
PROG TIMER indicator

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

a Repeat steps 1 and 2 on page 14.

b

```
P DT START  STOP   CH SPD
1 day  9:00p12:00a 08  SP
2  8  10:00a12:00p125  SP
3 10  8:00p 9:00p 10  SP
4 SU  9:00p10:00p  L  LP

CANCEL :ADD/DLT  KEY
SELECT 1-8:▲ ▼ KEY
ENTER  :► KEY
END    :PROG/ACTION KEY
```

Select the desired program.
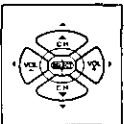
Press ▲▼ to select.

**C** To Replace program...

```
DATE1/ START    STOP    CH
8 SAT  9:00P 12:00A  08
TODAY\            ABC
CATEGORY:MOVIE        SP
NOTES:STAND BY ME
SELECT START DATE
  SELECT :▲ ▼ KEY
  SET    :◄ ► KEY
  END    :PROG/ACTION KEY
```
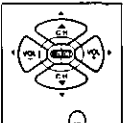
1) Press ► to display.
2) Press ▲▼ to select and ◄ or ► to set new program contents.
3) Press PROG/VCR+ (or ACTION.)
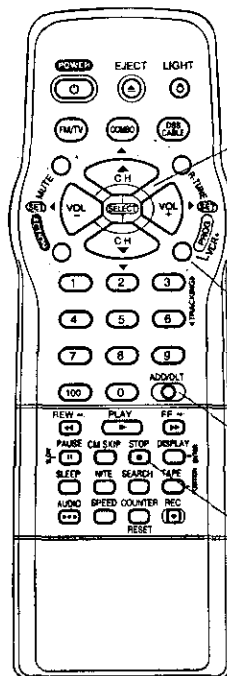
To Clear program...

```
P DT START  STOP   CH SPD
1  -- --:-- --:--  -- --
2  8  10:00p12:00a125  SP
3 10  8:00p 9:00p 10  SP
4 SU  9:00p10:00p  L  LP

SELECT 1-8:▲ ▼ KEY
ENTER  :► KEY
END    :PROG/ACTION KEY
```
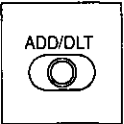
Press ADD/DLT.
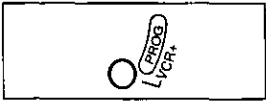
ADD/DLT

d

Exit this mode.
Press PROG/VCR+
(or ACTION) twice.

b SELECT/
  • SET
C ▲:CH UP
  ▼:CH DOWN
  ►:VOL UP
  ◄:VOL DOWN

C PROG/VCR+
  •
d

C ADD/DLT

STOP

Advanced Operation

15

VCR Plus+ System is...
a feature that allows you to set most items of a Timer Recording by simply entering a special code number (PlusCode) found in TV GUIDE and selected newspaper TV listings.

Process of Recording

Connection ⇨ Setup ⇨ Programming

Choose your connection type from the following diagrams

■ CABLE BOX → UNIT
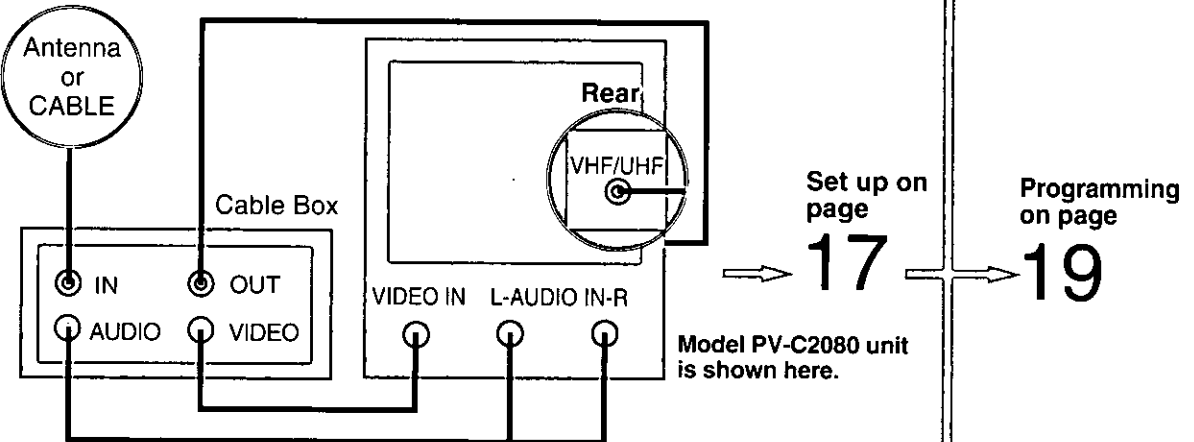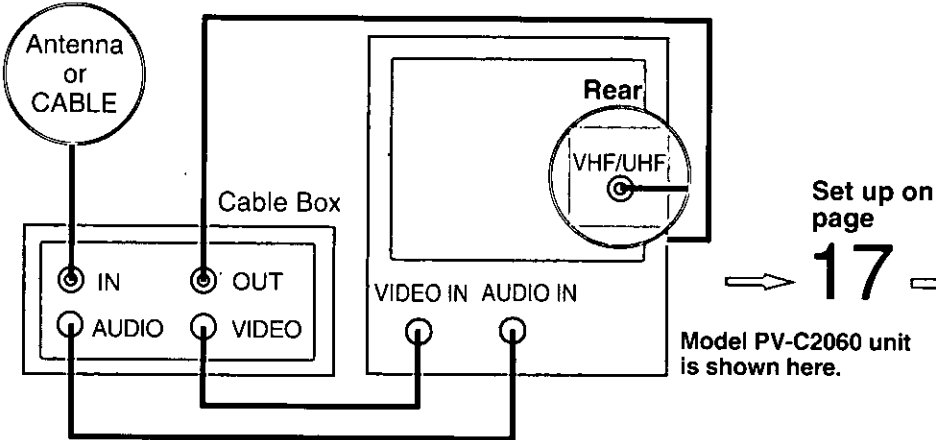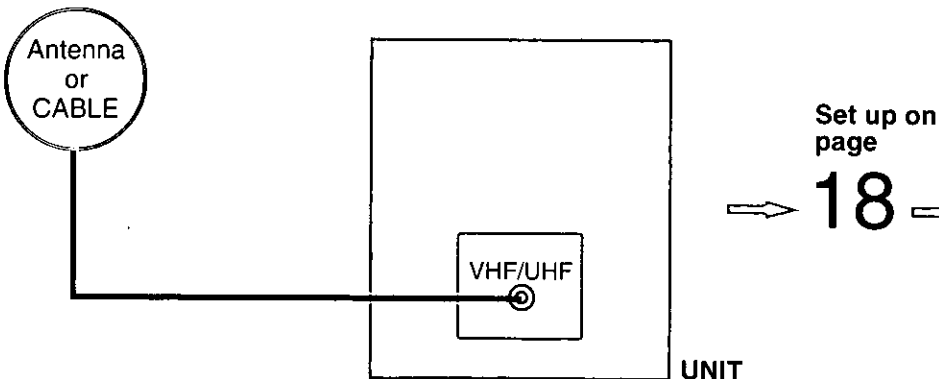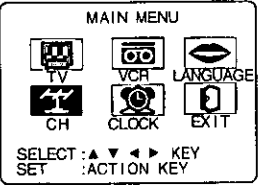
Set up on page
⇒ **17**

Model PV-C2060 unit is shown here.

Set up on page
⇒ **17**

Model PV-C2080 unit is shown here.

Programming on page
⇒ **19**

■ ANTENNA or CABLE → UNIT

Set up on page
⇒ **18**

UNIT
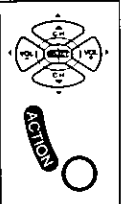
Cable Box Setup

Process of Recording
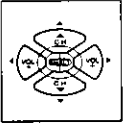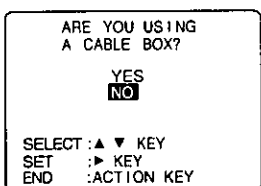
| Connection | ⇨ | **Setup** | ⇨ | Programming |

1

Display MAIN MENU.

Press ACTION*.

2

```
        MAIN MENU
  [TV]    [VCR]   [LANGUAGE]
  [CH]   [CLOCK]   [EXIT]
SELECT :▲ ▼ ◄ ► KEY
SET     :ACTION KEY
```

Display SET UP CH screen.

1) Press ▲▼◄► to select "CH."

2) Press ACTION to display.

3

```
     SET UP CHANNEL
ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
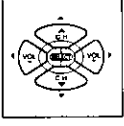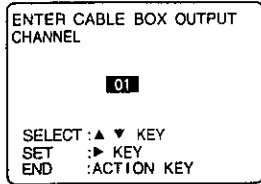
Select CABLE BOX SET UP.

1) Press ▲▼ to select.

2) Press ► to display.

4

```
   ARE YOU USING
   A CABLE BOX?

       YES
       NO

SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
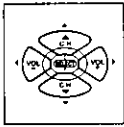
Select "YES" or "NO."

1) Press ▲▼ to select "YES" or "NO."

2) Press ► to set.

If you select...
- "YES" → Step 5.
- "NO" → Press ACTION → Go to VCR Plus+ Channel Setup on page 18.

5

```
ENTER CABLE BOX OUTPUT
CHANNEL

       01

SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```

Select Cable Box output channel number.

1) Press ▲▼ to select.

2) Press ► to enter.

- If necessary, refer to your cable box manual.
- If you are using Audio/Video jack connection for your cable box, select and set "VIDEO OUT" as the output channel.
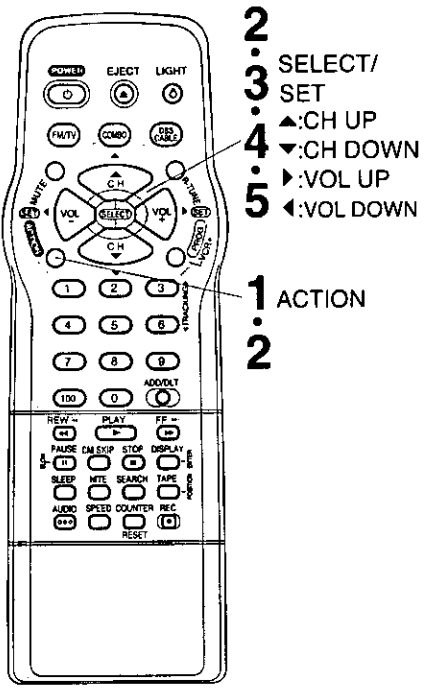
2
3 SELECT/
   SET
4 ▲:CH UP
   ▼:CH DOWN
   ►:VOL UP
5 ◄:VOL DOWN

1 ACTION
2

Advanced Operation

17

VCR Plus+ Channel Setup is...
necessary to program the unit with local
channel information for proper VCR Plus+
operation.

Process of Recording

| Connection | ⇨ | Setup | ⇨ | Programming |

VCR Plus+ Channel Setup

At first, do Channel Setup Preparations below right.

1

Display MAIN MENU.

Press ACTION*.

2

```
        MAIN MENU
   [TV]    [VCR]   [LANGUAGE]
   [CH]   [CLOCK]   [EXIT]

SELECT :▲ ▼ ◄ ► KEY
SET    :ACTION KEY
```

**Display SET UP CH
screen.**

1) Press ▲▼◄►
   to select "CH."
2) Press ACTION
   to display.

3
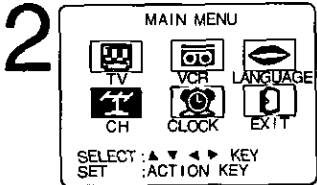
```
        SET UP CHANNEL

ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
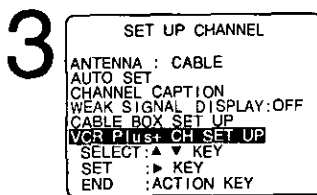
**Select VCR Plus+ CH
SET UP.**

1) Press ▲▼ to
   select.
2) Press ►
   to display.

4

```
   VCR Plus+ CH SET UP

  GUIDE CH    CABLE CH

 → [01]         --
    02          --

SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
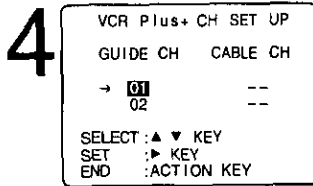
Enter VCR Plus+ channels.

1) Press ► to
   move cursor to
   right column.
2) Press ▲▼ to
   change the
   CABLE CH
   number.
3) Press ◄ to set.
4) Press ▲▼ to
   scroll up/down
   the GUIDE CH
   column.

• Repeat step 4 until list is complete.

To Make Corrections

Press ▲▼ and ► to move to error, then ▲▼ to change,
or ADD/DLT to erase number.

5

End the setup.

Press ACTION three times.

2 SET
• **3** SELECT
• ▲:CH UP
• ▼:CH DOWN
4 ►:VOL UP
◄:VOL DOWN
1 ACTION
2
5
ADD/DLT

Channel Setup Preparations

**To complete step 4 left, make a local
channel list (see example below.)**

You will need the following:

• A normal TV and/or Cable stations line
  up and the channel numbers your receive
  them on.
• A list of Guide (VCR Plus+) channel
  numbers for stations you receive (see TV
  Guide and selected newspapers.)

1 Make a 3-column chart. In the left
column, write all station names you receive.

2 In the middle column, write each station's
Guide (VCR Plus+) number.

3 In the right column, write the channel
number your TV receives the station on.

< EXAMPLE ONLY >

Broadcast or Cable Station Name	Assigned Guide (VCR Plus+) Channel no.	Channel no. your TV receives the station on
HBO	33	15
Nickelodeon	38	20
CBS	34	04
FOX	11	

Notes

• Make each entry within 5 minutes or the unit will leave this mode.
• Once local channels have been programmed, they will stay in
  memory, even in the case of a power failure.

For assistance, call 1-800-211-PANA(7262)

VCR Plus+ System Programming

Process of Recording
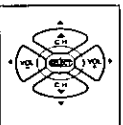
Connection ⇨ Setup ⇨ **Programming**

1 **Display PROGRAM screen.**
Press PROG/VCR+.

☑ **Check list before you begin.**
☐ The clock is set to correct time.
☐ VCR Plus+ System Setup is complete.
(See pages 17, 18.)

2
```
      SET  PROGRAM
VCR Plus+ PROGRAMMING
TIMER PROGRAMMING
ON TIMER

SELECT : ▲ ▼  KEY
SET      : ▶ KEY
END      : PROG  KEY
```
Select VCR Plus+ PROGRAM.
1) Press ▲▼ to select.
2) Press ▶ to display.

3
```
    VCR Plus+ SYSTEM
ENTER  PLUSCODE  NUMBER
        \ | /
        / | \
 USING 0-9  KEYS

END    : PROG  KEY
```
Enter PlusCode programming number.
1) Press NUMBERED keys.
2) Press PROG/VCR+ when finished.
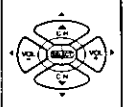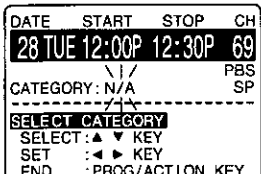
To Make Corrections
Press ◀ repeatedly to delete the PlusCode programming number.

4
```
   VCR Plus+ SYSTEM
ONCE
DAILY (MON-FRI)
WEEKLY

SELECT : ▲ ▼  KEY
SET      : ▶ KEY
END      : PROG  KEY
```
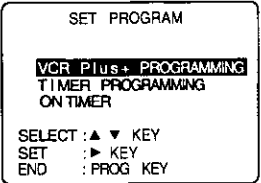**Set Record Frequency.**
1) Press ▲▼ to select.
2) Press ▶ to set.
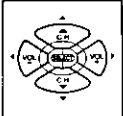
5
```
DATE    START    STOP    CH
28 TUE 12:00P 12:30P  69
           \ | /           PBS
CATEGORY: N/A          SP
        / | \
SELECT CATEGORY
SELECT : ▲ ▼  KEY
SET    : ◀ ▶ KEY
END    : PROG/ACTION  KEY
```
Set Category and Record speed.
• If wanted, make a note (see page 14.)
1) Press ▲▼ to select.
2) Press ▶ to set.
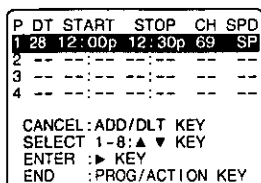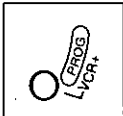
Select desired type:
• Categories → N/A (not applicable), SPORTS, MOVIE, COMEDY MUSIC, or DRAMA
• Speed → SP, LP, or SLP

To Make Corrections
Press ◀▶ to move the cursor and ▲▼ to make the correction.

6
```
P DT  START   STOP   CH SPD
1 28  12:00p 12:30p  69  SP
2  -- --:-- --:--  --  --
3  -- --:-- --:--  --  --
4  -- --:-- --:--  --  --

CANCEL : ADD/DLT KEY
SELECT 1 - 8 : ▲ ▼  KEY
ENTER : ▶ KEY
END   : PROG/ACTION  KEY
```
End programming.
Press PROG/VCR+ (or ACTION.)

7 **Exit this mode.**
Press PROG/VCR+ (or ACTION) twice.
• PROG TIMER indicator lights on the unit.

2 SELECT/ SET
4 ▲:CH UP
▼:CH DOWN
5 ▶:VOL UP
◀:VOL DOWN
1
3 PROG/VCR+
6
7
3 NUMBERED Keys

Use normal Timer Recording steps if:
• a program PlusCode programming number is not listed.
• program, such as a sporting event, may run over scheduled stop time.

See page 15 to:
• cancel a timer recording in progress.
• replace program contents.
• review or clear program contents once set.

Notes
• You can obtain unlisted PlusCode programming numbers by calling 1-900-454-7587. Call costs approximately $.95 per minute.
• Avoid overlapping program times.
• If you're using a cable box, make sure that it is turned to the desired channel and the power is left on for timer recording.
• Timer programs memory capacity is 8. To add more programs, please first clear other programs. (See page 15.)

Advanced Operation

TV Timer Features

ON-TIMER with Alarm

This unit can be set to automatically power on in one of 3 modes (TV, Playback, or FM radio.) You can also combine the On-Timer with a one minute alarm that gradually increases in volume.
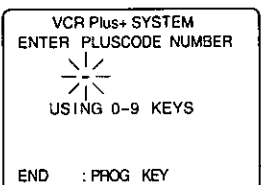
1

Display PROGRAM screen.

Press PROG/VCR+*

2

```
      SET PROGRAM

VCR Plus+ PROGRAMMING
TIMER PROGRAMMING
ON TIMER

SELECT : ▲ ▼ KEY
SET     : ▶ KEY
END     : PROG KEY
```
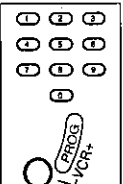
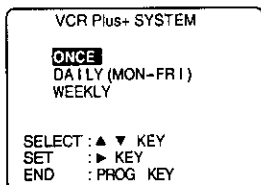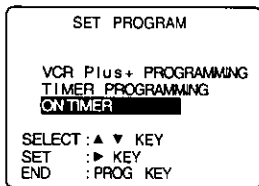**Select ON-TIMER.**

1) Press ▲▼ to select.

2) Press ▶ to display.

3

```
\|/ON TIMER
  6:--AM CH--
ALARM:ON/|\
SELECT HOUR

SELECT : ▲ ▼ KEY
SET     : ▶ KEY
END     : PROG KEY
```
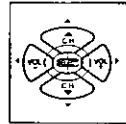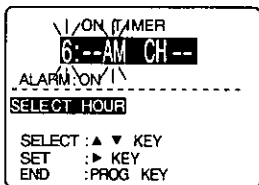
Set the ON-TIMER TIME.

1) Press ▲▼ to select.

2) Press ▶ to set.

- Make sure a tape is inserted if Playback mode is selected.
- See "FM Radio" on pages 34 and 35 for instructions on how to preset FM stations.

• ON-TIMER mode selection order

```
   ┌─►CH02──CH03·····CH125─┐
CH01                     PLAY
   └─FM9 ──FM8·····FM1────┘
```

4

```
      ON TIMER
   6:00AM CH08
ALARM:ON      ABC
SELECT ALARM
CANCEL : ADD/DLT KEY
SELECT : ▲ ▼ KEY
SET     : ◄ ► KEY
END     : PROG KEY
```
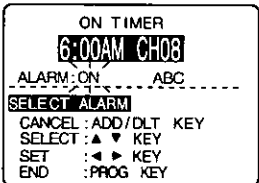
Set Alarm.
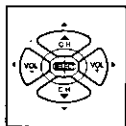
Press ▲▼ to select "ON" or "OFF."

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 as necessary.

5

Set ON TIMER.

Press PROG/VCR+.

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

☑ **Check list before you begin.**

☐ The clock is set to correct time.

Model PV-C2060 unit is shown here.

ON TIMER indicator

2 • SET
  • SELECT
3 ▲:CH UP
  ▼:CH DOWN
4 ►:VOL UP
  ◄:VOL DOWN

1 • PROG/VCR+
5
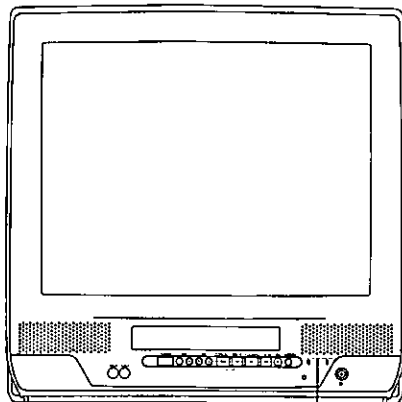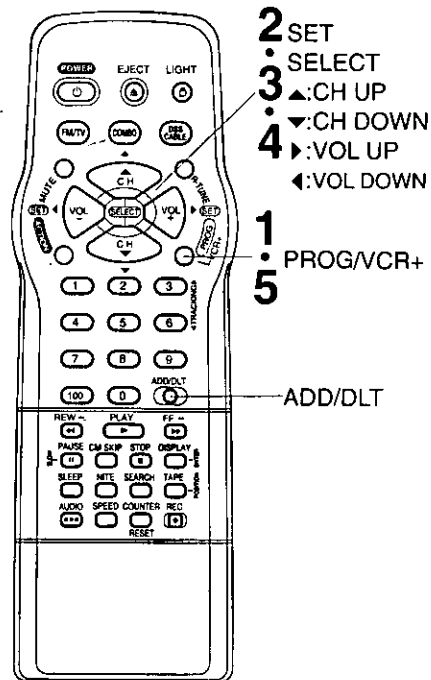
ADD/DLT

To cancel ON-TIMER set,
Repeat steps 1 and 2. Then, press ADD/DLT to clear the time in step 3. Now, press PROG to end. "ON TIMER END" appears on-screen for a few seconds.

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.

SLEEP TIMER

This unit can be set for auto power off.
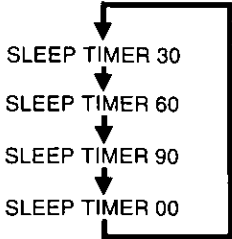
SLEEP

Set SLEEP TIMER.
Press SLEEP repeatedly.
• Pressing DISPLAY with sleep timer set displays remaining time.

SLEEP TIMER 30
↓
SLEEP TIMER 60
↓
SLEEP TIMER 90
↓
SLEEP TIMER 00

To Cancel, press SLEEP repeatedly until "SLEEP TIMER 00" appears.

Model PV-C2060 unit is shown here.

2 CH▲▼   1 TIMER/FM
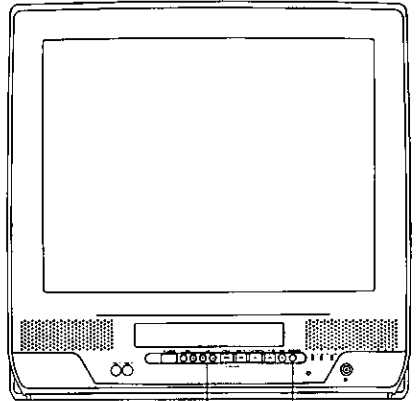
INSTANT ALARM

The feature allows you to set a timer alarm for up to 60 minutes.
Useful for when you are cooking and need to leave the kitchen.

1 TIMER /FM
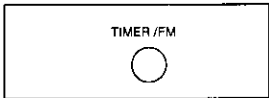
Display INSTANT ALARM screen.
Press TIMER/FM on the unit to display.

2 5:20PM

CANCEL : ADD/DLT KEY 02:00
SET:CH ▲ ▼ KEY ON UNIT
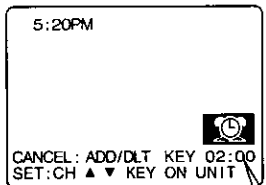
Remaining Time

Set Alarm.

CH
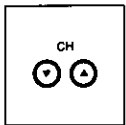
Press CH ▲▼ on the unit to select time while "CANCEL" and "SET" are displayed (see below.)

Press TIMER/FM on the unit repeatedly to change display as follows.

TV (or LINE) → INSTANT ALARM Screen Display TV (or LINE) → FM → INSTANT ALARM Screen Display FM

1:00 (one minute)
2:00
3:00   one-minute increase until 10:00
9:00
10:00
15:00   five-minute increase until 30:00
20:00
25:00
30:00
40:00   ten-minute increase until 60:00
50:00
60:00 (Max)
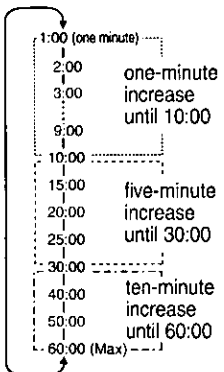
To cancel, press ADD/DLT while "CANCEL" and "SET" are displayed.

To increase timer in progress, Press CH ▲▼ on the unit to restart countdown rounded up to next 1, 5, or 10 minute interval while "CANCEL" and "SET" are displayed.

<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.

ADD/DLT

DISPLAY

SLEEP

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.
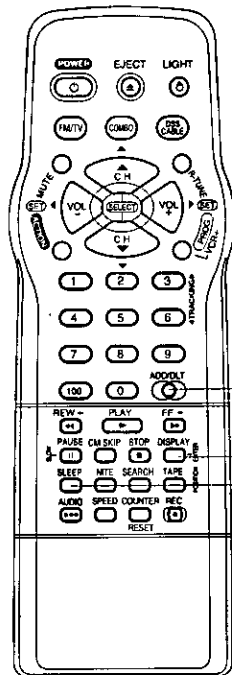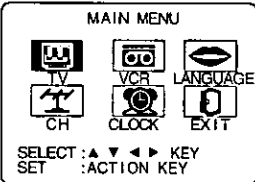
Note

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

21
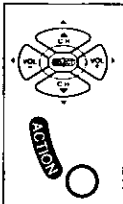
Closed Caption System
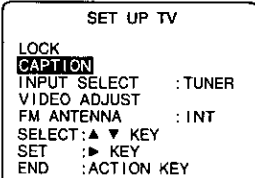
Closed Caption Mode Feature

1

Display MAIN MENU.
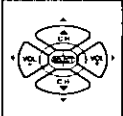
Press ACTION*.

2

```
        MAIN MENU
   [TV]   [VCR]  [LANGUAGE]
   [CH]   [CLOCK] [EXIT]
SELECT :▲ ▼ ◄ ► KEY
SET    :ACTION KEY
```

Display SET UP TV screen.

1) Press ▲▼◄ ► to select "TV."
2) Press ACTION to display.

3

```
        SET UP TV
LOCK
[CAPTION]
INPUT SELECT   : TUNER
VIDEO ADJUST
FM ANTENNA     : INT
SELECT:▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```

<For Model PV-C2060 only>

Display CAPTION screen.

1) Press ▲▼ to select.
2) Press ► to display.

4

```
        CAPTION
[CAPTION MODE  : OFF]
CC ON MUTE     : CAP C1

SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
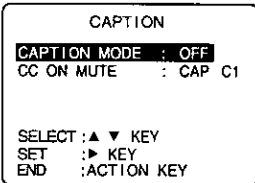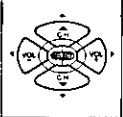
Select CAPTION MODE.

1) Press ▲▼ to select.
2) Press ► repeatedly to select caption mode.

```
   ┌─► OFF ──► CAP C1 ─┐
 TEXT C2             TEXT C1
   └──── CAP C2 ◄─────┘
```

5

Return to the normal screen.

Press ACTION three times.

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.

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.

2 SET
. SELECT
3 ▲:CH UP
. ▼:CH DOWN
4 ►:VOL UP
◄:VOL DOWN

1 ACTION

2
.
5
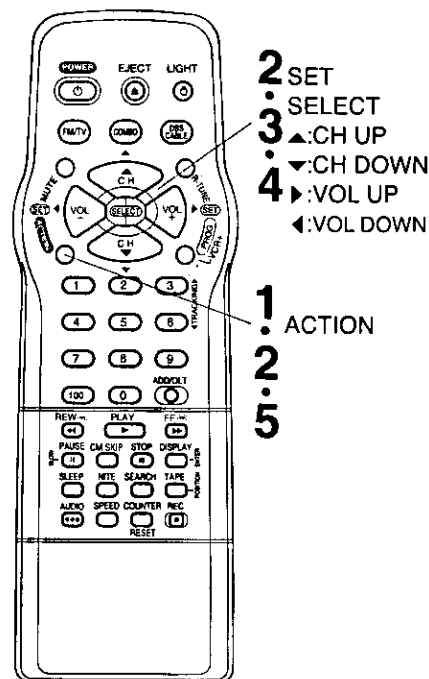
Closed Caption Modes from which to Choose

Caption Mode: CAP C1 or C2
A narration of selected TV programs is displayed.
Check TV program listings for C. C. (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.

Caption On Mute Feature

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

1 **Display MAIN MENU.**
Press ACTION.
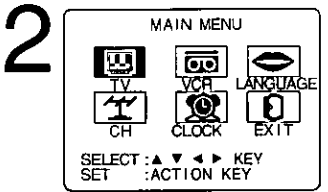
2
MAIN MENU

SELECT:▲ ▼ ◄ ► KEY
SET :ACTION KEY

Display SET UP TV screen.
1) Press ▲▼◄► to select "TV."
2) Press ACTION to display.

3
SET UP TV
LOCK
CAPTION
INPUT SELECT : TUNER
VIDEO ADJUST
FM ANTENNA : INT
SELECT:▲ ▼ KEY
SET :► KEY
END :ACTION KEY

<For Model PV-C2060 only>

Display CAPTION screen.
1) Press ▲▼ to select.
2) Press ► to display.

4
CAPTION
CAPTION MODE : CAP C1
CC ON MUTE : CAP C1

SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY
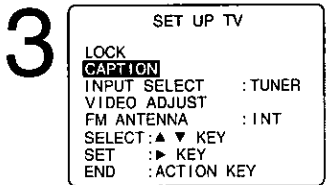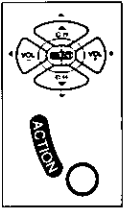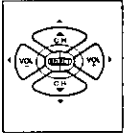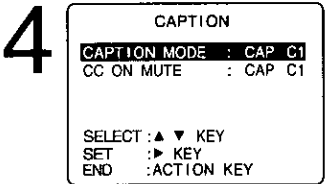
Set CAPTION MODE OFF.
1) Press ▲▼ to select.
2) Press ► repeatedly to select "OFF."

5
CAPTION
CAPTION MODE : OFF
CC ON MUTE : CAP C1

SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY
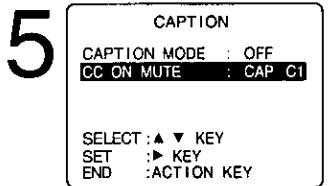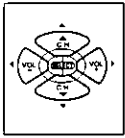
Select CC ON MUTE.
1) Press ▲▼ to select.
2) Press ► repeatedly to select desired caption mode.

NO → CAP C1
CAP C2
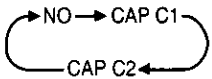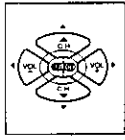
• Each press of ► will change the display as shown at left.
• The caption may be broadcast over CAP C1 or C2.

6 **Return to the normal screen.**
Press ACTION three times.
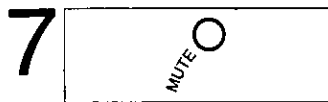
7 **Mute sound, display closed captioning.**
Press MUTE to mute the sound.
• To cancel, press MUTE again.
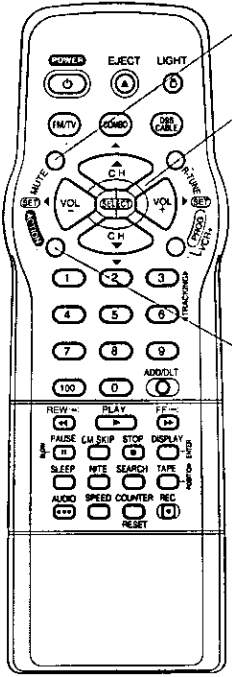
7 MUTE
2. SET
3. SELECT
▲:CH UP
4. ▼:CH DOWN
►:VOL UP
5. ◄:VOL DOWN
1. ACTION
2.
6

Advanced Operation

23

Tape Operation

Commercial Skip

By pressing the CM SKIP button in Play mode you can skip over 1 to 3 minutes of recorded tape in just a few seconds.
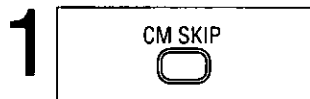
1 | CM SKIP

Set SKIP Time.
Press CM Skip repeatedly to select skip time.

```
OFF
  ↓
1st Press ─→ 1 min Skip
  ↓
2nd Press ─→ 2 min Skip
  ↓
3rd Press ─→ 3 min Skip
```
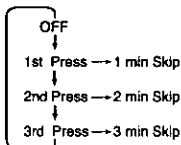
Program End Search

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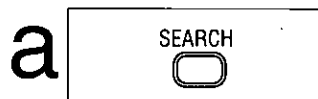
a | SEARCH

Display SELECT SEARCH MODE in Playback or Stop mode.
Press SEARCH* on the remote.

b

```
SELECT SEARCH MODE

ZERO  SEARCH
INDEX  SEARCH
PROGRAM  END  SEARCH
PROGRAM  INDEX  SEARCH

SELECT : ▲ ▼ KEY
SET      : ► KEY
END      : SEARCH KEY
```
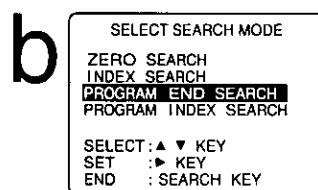
Display PROGRAM END SEARCH.

1) Press ▲▼ to select.
2) Press ► to start search.

Example of **Program End Search** operation.

Fig.1   PLAYBACK DIRECTION ──→

| Program 1 | Program 2 or BLANK |

Press SEARCH button
FF
End Point

Fig.2

| Program 1 | BLANK | Program 2 | BLANK |

Press SEARCH button
FF
End Point

Fig.3 If search exceeds few seconds in BLANK area.

Press SEARCH button

| Program 1 | BLANK | Program 2 |

FF
End Point
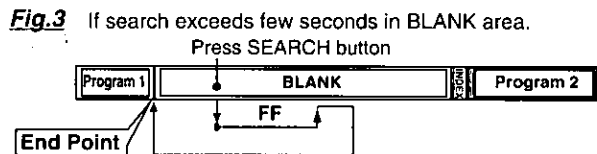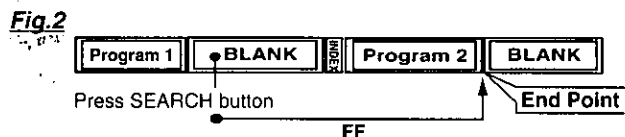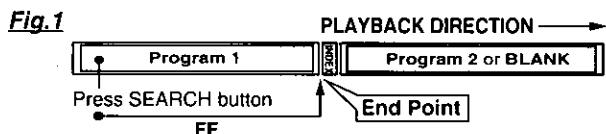
If Program End Point is found.

The search continues slightly beyond the end point, then search and reverse search and plays the last few seconds of the program and finally stop.

| Program 1 (BLANK) | Program 2 (BLANK) |

Press SEARCH button   SEARCH
    FF   REVERSE
      PLAY   SEARCH
              STOP
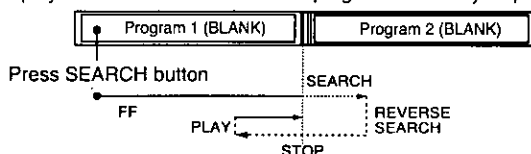
Notes

- If Program End Search is started very close to an index mark, one program may be skipped over.
- If you want to cancel Program End Search, Press PLAY or STOP.

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

b SELECT/SET
▲:CH UP
▼:CH DOWN
►:VOL UP

1 CM SKIP

1 • TAPE
2 POSITION

a SEARCH
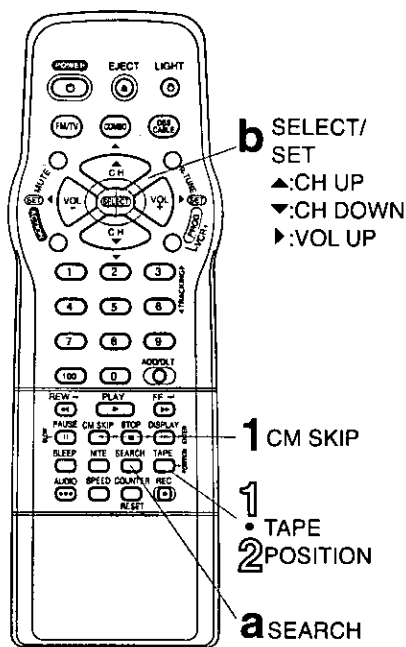
Tape Position Display

To find out the present tape position.
Tape position cannot be detected for C-Cassette and tapes of less than 60 minutes.

1 | TAPE
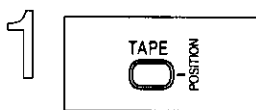
Detect Tape Position.
Press TAPE POSITION.

```
DETECTING TAPE POSITION
```

- "DETECTING TAPE POSITION" is displayed only when a cassette is first inserted.
- It takes several seconds for correct tape position to appear.
- The present tape position indication is displayed.
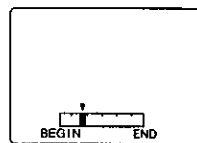
```
BEGIN        END
```

2 | TAPE
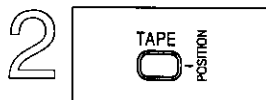
Return to normal screen.
Press TAPE POSITION.
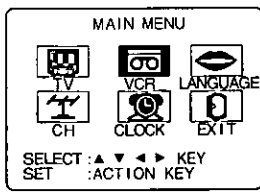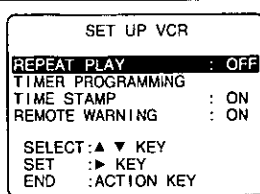
Repeat Play

Set to see a recording over and over.

1 **Display MAIN MENU.**
Press ACTION.
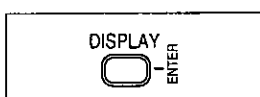
2
| MAIN MENU |
| TV VCR LANGUAGE |
| CH CLOCK EXIT |
| SELECT :▲ ▼ ◀ ▶ KEY |
| SET :ACTION KEY |

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

3
| SET UP VCR |
| REPEAT PLAY : OFF |
| TIMER PROGRAMMING |
| TIME STAMP : ON |
| REMOTE WARNING : ON |
| SELECT :▲ ▼ KEY |
| SET : ▶ KEY |
| END :ACTION KEY |
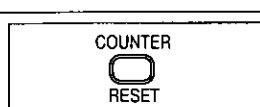
Select REPEAT PLAY.
1) Press ▲▼ to select "REPEAT PLAY."
2) Press ▶ to set "ON" or "OFF."

4 **End setup.**
Press ACTION twice.

Zero Search
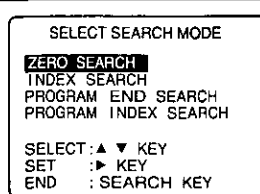
To quickly return to a specific tape counter location.

a
DISPLAY
Display the Counter.
Press DISPLAY during playback.

b
COUNTER RESET
Reset to "0:00:00."
Press COUNTER RESET at the desired position.

c **Continue playback, rewind, or fast forward.**

d
SEARCH
Display SELECT SEARCH MODE in Stop mode.
Press SEARCH.

e
| SELECT SEARCH MODE |
| ZERO SEARCH |
| INDEX SEARCH |
| PROGRAM END SEARCH |
| PROGRAM INDEX SEARCH |
| SELECT :▲ ▼ KEY |
| SET : ▶ KEY |
| END : SEARCH KEY |

Select ZERO SEARCH.
1) Press ▲▼ to select.
2) Press ▶ to set.

f **Return to "0:00:00."**
• Unit goes into FF or REW mode and stops at the last point the Counter was set to 0:00:00.

e SET
  SELECT
2 ▲:CH UP
  ▼:CH DOWN
3 ▶:VOL UP
  ◀:VOL DOWN

1
2 ACTION
4

a DISPLAY
d SEARCH
b COUNTER RESET
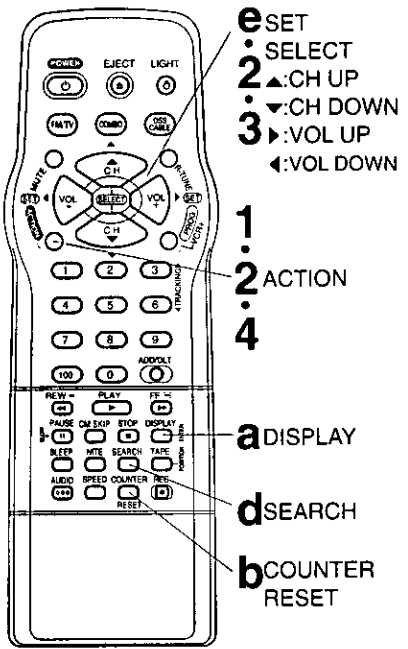
Notes
• Playback repeats when tape end is reached or unrecorded portion over 30 seconds is detected.
• During playback, you may also press PLAY/REPEAT repeatedly on the unit to select REPEAT "ON" or "OFF."

Auto Operation Functions

■ **Auto Shut Off**
No broadcast signal in TV, NIGHT or Playback mode for 5 minutes
→ Power turns off automatically
• This feature is deactivated if any button is pressed during the above mode.

■ **Auto Playback**
Insert a tape in Power off mode
→ Power turns on automatically
• Playback begins automatically if a tape has no record tab.

■ **Auto Rewind**
A tape reaches its end
→ Rewind begins
→ Stops automatically

■ **Playback Auto Eject (Repeat Play is "OFF")**
A tape has no record tab reaches its end
→ Rewind begins
→ Ejects automatically

■ **Memory Rewind off**
Press POWER in REW mode
→ Power turn off of TV (continued rewind)
→ Rewind is completed
→ All power turns off automatically

Advanced Operation

25

Tape Operation (continued)

Direct Access (For Normal and/or Timer recordings)

Go directly to the desired recording.

1 | SEARCH
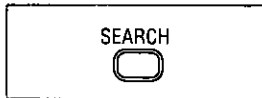
Display SELECT SEARCH MODE screen.
Press SEARCH* in Playback or Stop mode.

• If there are no Timer Recordings on the Program Index List, go to step 3.

2
```
SELECT SEARCH MODE
ZERO  SEARCH
INDEX  SEARCH
PROGRAM  END  SEARCH
PROGRAM  INDEX  SEARCH

SELECT : ▲ ▼ KEY
SET    : ▶ KEY
END    : SEARCH KEY
```
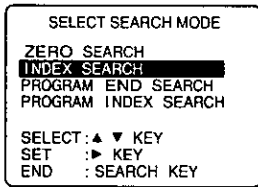
Display INDEX screen.
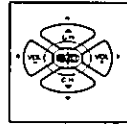
1) Press ▲▼ to select "INDEX SEARCH."

2) Press ▶ to display.

• This screen appears only if there are Timer Recordings.

3
```
INDEX
```
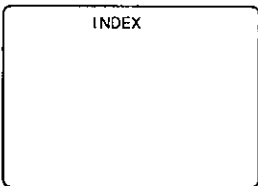
Select the recording number.
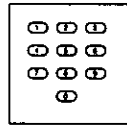
Press NUMBERED keys.

• To calculate number, see below.

4
```
INDEX        04

INDEX SEARCH 04
```
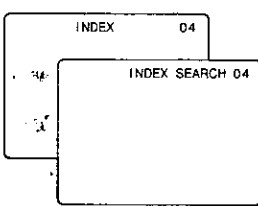
Start search.
Press FF or REW.
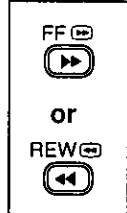
FF ⊕
(►►)

or

REW ⊖
(◄◄)

• When search is finished, playback begins.

To calculate the Index Number

Example 1:
If you are watching recording 4 and you want to watch recording 2, enter 3 in step "3" and press REW.

1	2	3	4	5	6	7
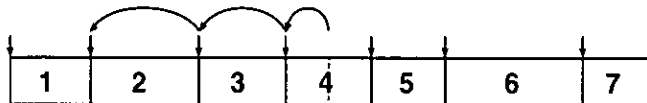
Example 2:
If you are watching recording 2 and you want to watch recording 6, enter 4 in step "3" and press FF.

1	2	3	4	5	6	7
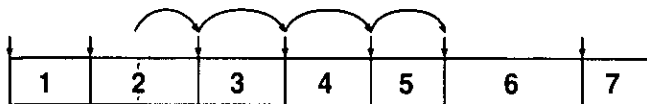
NOTE: ⌊ indicates start points of each recording.

VHS Index Search System is ...

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

Model PV-C2060 unit is shown here.
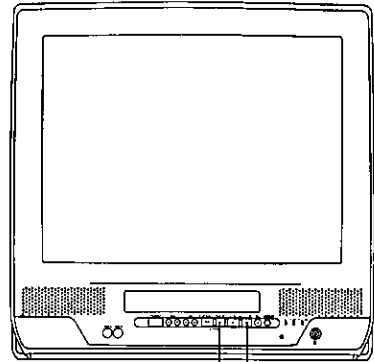
4 REW   4 FF
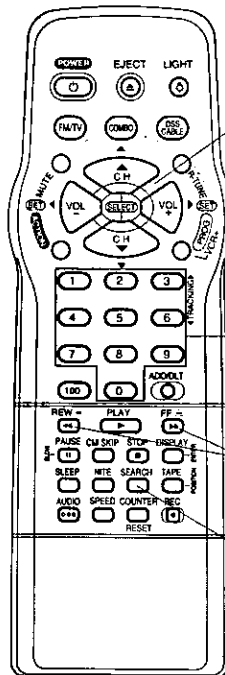
2 SET
SELECT
▲:CH UP
▼:CH DOWN
▶:VOL UP

3 NUMBERED Key

4 FF or REW

1 SEARCH

Notes

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

Program Index Search (For Timer recordings only)

Choose a timer recorded program from a Program Index List.

Model PV-C2060 unit is shown here.

1
SEARCH

Display SELECT SEARCH MODE screen.
Press SEARCH in Playback or Stop mode.

2

```
SELECT SEARCH MODE
ZERO SEARCH
INDEX SEARCH
PROGRAM END SEARCH
PROGRAM INDEX SEARCH

SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : SEARCH KEY
```
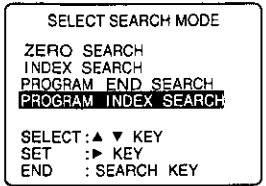
Display PROGRAM INDEX screen.
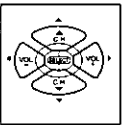
1) Press ▲▼ to select "PROGRAM INDEX SEARCH."

2) Press ► to display.

C PLAY/ REPEAT

STOP/EJECT

b REW b FF

3

```
PROGRAM INDEX
DATE   START CATEGORY  CH
12/28 10:00A SPORTS ABCD
1/ 4 12:30P MOVIE   NBC
1/ 4  8:00P COMEDY  CBC
1/ 7  3:00P MUSIC   NBC

SELECT : ▲ ▼ KEY
SEARCH : ► KEY
END    : SEARCH KEY
```
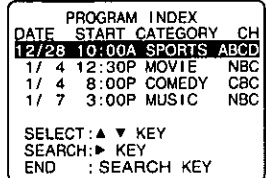
Select the desired recorded program.
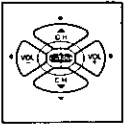
1) Press ▲▼ to select.

2) Press ► to start the forward or rewind search.

• When search is finished, playback begins.

Note

When the tape is ejected or normal recording is started, all program index data are deleted.

Index Scan (For Normal and/or Timer recordings)

In Play mode, the first 10 seconds of each recording can be scanned (forward or reverse.)

a
1) Repeat step 1 and press ▲▼ to select "INDEX SEARCH."
2) Press ► to display INDEX screen.

b

```
INDEX
```
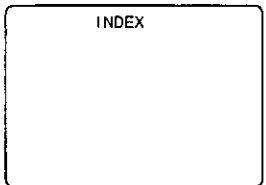
Start the scan.
Press FF or REW.

FF ⊛
(▶▶)
or
REW ⊝
(◀◀)

c

```
AUTO INDEX SEARCH
```
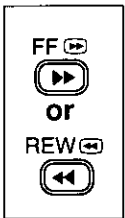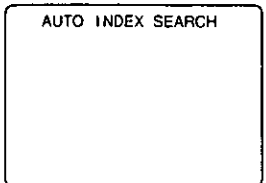
Cancel scan, start playback.

Press PLAY.
• To stop, press STOP.
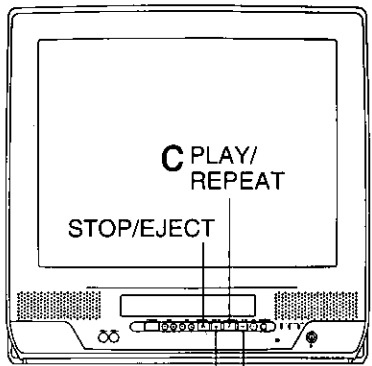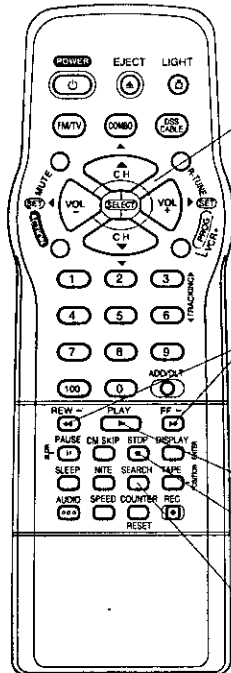
PLAY
(▶)

2 SELECT/ SET
3 ▲:CH UP
▼:CH DOWN
a ►:VOL UP

b REW/FF

c PLAY

STOP

1 SEARCH

<Example>

Start here

Current Program

REW ← Press → FF

↑ Indexed Point
— Play (for about 10 seconds)
— Fast Forward or Rewind

STOP   STOP

27

Advanced Operation
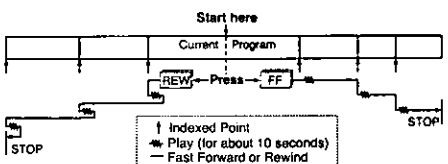
Special VCR Features
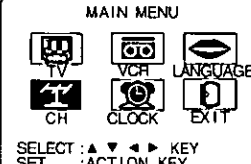
Preset Caption

Station names, e.g. ABC, TNT, etc. so that 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.)

☑ **Check list before you begin.**

☐ You need a list of stations and the channel numbers you receive them on.
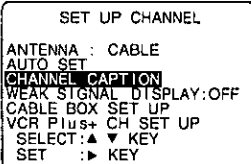
1

Display MAIN MENU.
Press ACTION*.

2

```
        MAIN MENU
   [TV]    [VCR]   [LANGUAGE]
   [CH]   [CLOCK]   [EXIT]

SELECT :▲ ▼ ◄ ► KEY
SET    :ACTION KEY
```

Display SET UP CH screen.

1) Press ▲▼◄► to select "CH."
2) Press ACTION to display.

3

```
      SET UP CHANNEL
ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
SELECT:▲ ▼ KEY
SET   :► KEY
END   :ACTION KEY
```
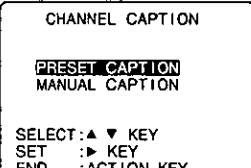
Select CHANNEL CAPTION.

1) Press ▲▼ to select.
2) Press ► to display.

4

```
    CHANNEL CAPTION

PRESET CAPTION
MANUAL CAPTION

SELECT:▲ ▼ KEY
SET   :► KEY
END   :ACTION KEY
```
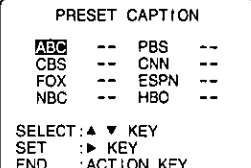
Select PRESET CAPTION.

1) Press ▲▼ to select.
2) Press ► to display.

• To create your own captions, go to "Manual Caption" on page 29.

5

```
    PRESET CAPTION
ABC    --  PBS   --
CBS    --  CNN   --
FOX    --  ESPN  --
NBC    --  HBO   --

SELECT:▲ ▼ KEY
SET   :► KEY
END   :ACTION KEY
```

Go with preset captions.

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 CAPTION
TNT    42   CBC   62
UPN    --   CTV   21
WB     35   TSN   52
DSC    --   GLOB 123
CLEAR :ADD/DLT KEY
SELECT:▲ ▼ KEY
SET   :◄ KEY
END   :ACTION KEY
```

• Repeat step 5 until the Caption List is complete.

- **2** SET
- **3** SELECT
- **3** ▲:CH UP
- **4** ▼:CH DOWN
- **4** ►:VOL UP
- **5** ◄:VOL DOWN
- **1**
- **2** ACTION
- **6**
- ADD/DLT

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

6

End setup.
Press ACTION four times.
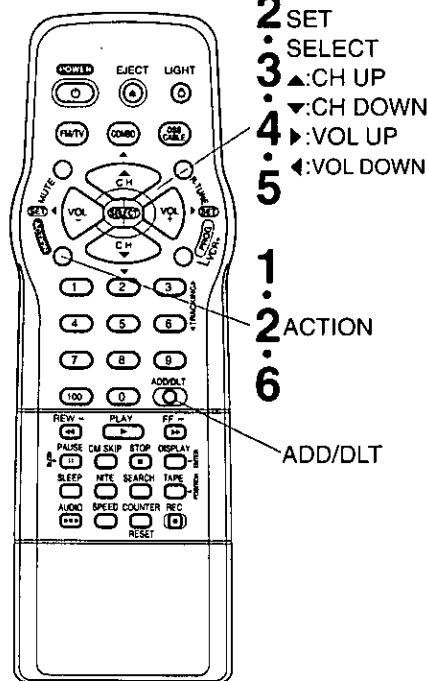
28

Manual Caption

1 Do "Preset Caption" steps 1~3 (page 28.)

2

```
CHANNEL CAPTION

PRESET CAPTION
MANUAL CAPTION

SELECT:▲ ▼ KEY
SET    :▶ KEY
END    :ACTION KEY
```

Select MANUAL CAPTION.
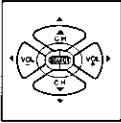
1) Press ▲▼ to select.
2) Press ▶ to display.

3

```
MANUAL CAPTION

CH NUMBER     CAPTION

   02          ----

SELECT:▲ ▼ KEY
SET    :▶ KEY
END    :ACTION KEY
```

Select Channel number.
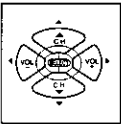
1) Press ▲▼ to select CH NUMBER.
2) Press ▶ to move cursor to the right.

- 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

```
MANUAL CAPTION

CH NUMBER     CAPTION

   02          A---

CLEAR  :ADD/DLT KEY
SELECT:▲ ▼ KEY
SET    :◀ ▶ KEY
END    :ACTION KEY
```

Enter your caption.
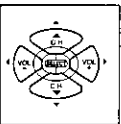
1) Press ▲▼ to select.
2) Press ▶ to enter.

- Characters change in the following order.

```
┌──► A— B— C ········ Z— BLANK— — —&◄──┐
└──────────► 9 ······· 2 —1—0 —/—!◄──────┘
```

- 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.

5

End setup.
Press ACTION four times.
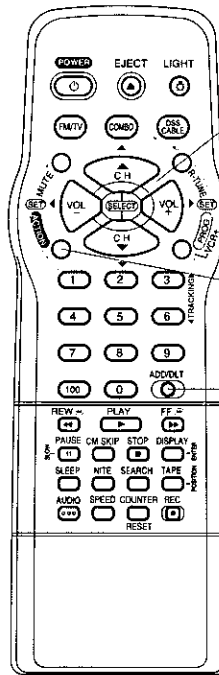
2 SELECT/
3 SET
. ▲:CH UP
4 ▼:CH DOWN
▶:VOL UP
◀:VOL DOWN

5 ACTION

ADD/DLT

Advanced Operation

Special VCR Features (continued)

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 the first 10 seconds of playback. To change the data, see "Changing Time Stamp Data" section on next page.

☑ **Check list before you begin.**
☐ The clock is set to correct time.
☐ The record tab is in place.
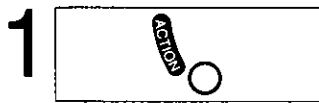
1

Display MAIN MENU.
Press ACTION*.

2

```
        MAIN MENU
  ┌──┐   ┌──┐   ┌──┐
  │TV│   │VCR│  │LANGUAGE│
  ┌──┐   ┌──┐   ┌──┐
  │CH│   │CLOCK│ │EXIT│

SELECT:▲ ▼ ◀ ▶ KEY
SET   :ACTION KEY
```

Display SET UP VCR screen.

1) Press ▲▼◀▶ to select "VCR."
2) Press ACTION to display.

3
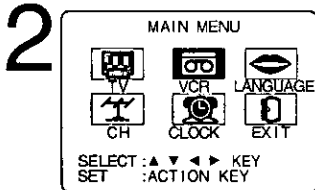
```
      SET UP VCR
REPEAT PLAY       : OFF
TIMER PROGRAMMING
TIME STAMP        : ON
REMOTE WARNING    : ON

SELECT:▲ ▼ KEY
SET   :▶ KEY
END   :ACTION KEY
```
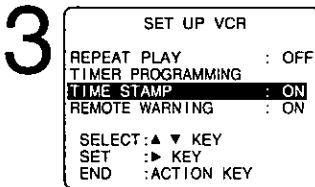
Select TIME STAMP.

1) Press ▲▼ to select.
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

Return to normal screen.
Press ACTION twice.

<Time Stamp Example >

Normal/ One Touch Recording
```
12/28/1999 TUE
12:00PM
CH 08 ABC
```

Timer Recording
```
12/27/1999 MON
12:00PM - 1:00PM
CH 08 ABC  MOVIE
MEMORIAL MOVIE
```

When Clock is not set...
```
--/--/----
--:--
CH 08 ABC
```
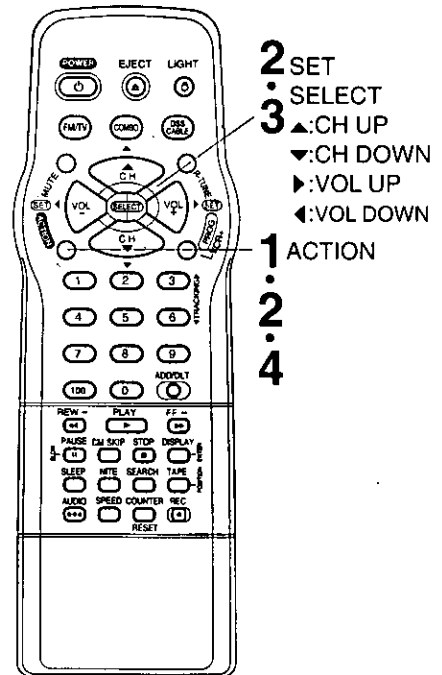
2 SET
•
• SELECT
3 ▲:CH UP
▼:CH DOWN
▶:VOL UP
◀:VOL DOWN
1 ACTION
•
2
•
4

Changing Time Stamp Data

You may change the time stamp data (Date, Time, Channel, Category, and Notes) as desired.

Model PV-C2060 unit is shown here.

1

PLAY
►

Display Time Stamp Data.

1) Insert cassette with record tab.
2) Press PLAY.

2

```
12/27/1999 MON
12:00PM - 1:00PM
CH 08 ABC   MOVIE
MEMORIAL MOVIE
```
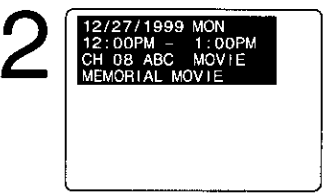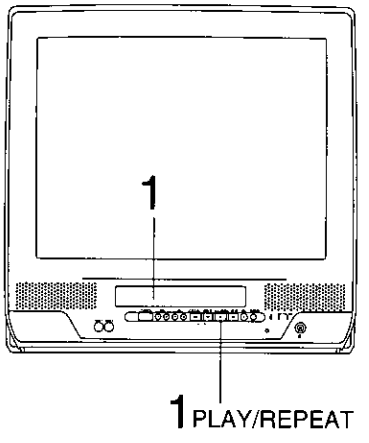
Display TIME STAMP EDIT.
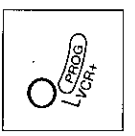
Press PROG/VCR+ while the data is displayed in playback mode.

1 PLAY/REPEAT

3

```
TIME STAMP EDIT
DATE : 12/27/1999 MON
TIME : 12:00PM - 1:00PM
CH   : 08 ABC
CATEGORY : MOVIE
NOTES:MEMORIAL MOVIE----

SELECT:▲ ▼ KEY
SET    :◄ ► KEY
END    :PROG KEY
```
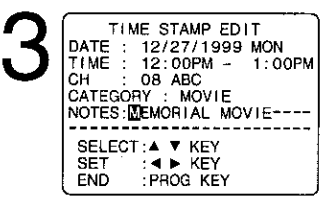
Change Time Stamp Data.
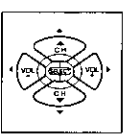
1) Press ▲▼ to select.

2) Press ► or ◄ to enter and continue.

• Characters in NOTES will change in the following order.

```
┌→ A— B— C ······ Z— BLANK— — —& ←┐
└──── → 9 ······ 2 —1— 0 —/—! ◄────┘
```
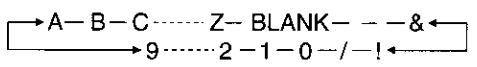
3) Repeat 1) and 2) as needed.

To Make Corrections
Press ◄► to move to the incorrect entry, then press ▲▼ to make the correction.

SET
SELECT
3 ▲:CH UP
▼:CH DOWN
►:VOL UP
◄:VOL DOWN

2 PROG/VCR+
:
4

1 PLAY

4

```
NOW WRITING TIME STAMP
```
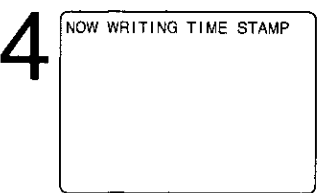
Write the new data.
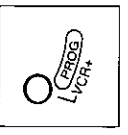
Press PROG/VCR+.

• After the data is written, the unit automatically goes into Stop mode.
• You cannot use POWER or REC button while "NOW WRITING TIME STAMP" is displayed.
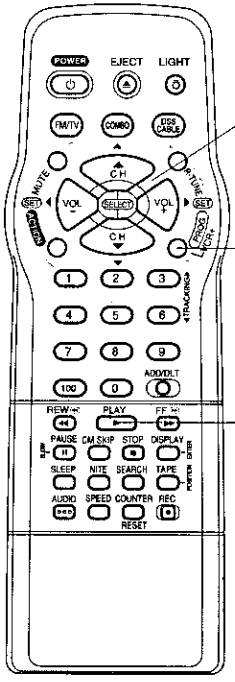
Advanced Operation

31

Special VCR Features (continued)

Weak Signal Display ON/OFF

When "ON" is selected, picture is displayed even when broadcast signal is weak or nonexistent.

1

Display MAIN MENU.

Press ACTION*.

2

```
         MAIN MENU
   ┌──┐   ┌───┐   ┌──────┐
   │TV│   │VCR│   │LANGUAGE│
   └──┘   └───┘   └──────┘
   ┌──┐   ┌───┐   ┌──┐
   │CH│   │CLOCK│  │EXIT│
   └──┘   └───┘   └──┘
SELECT :▲ ▼ ◄ ► KEY
SET    :ACTION KEY
```

Display SET UP CH screen.

1) Press ▲▼◄► to select "CH."

2) Press ACTION to display.

3

```
      SET UP CHANNEL
ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
 SELECT :▲ ▼ KEY
 SET    :► KEY
 END    :ACTION KEY
```
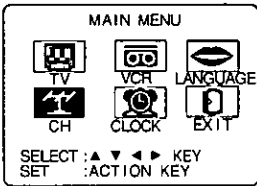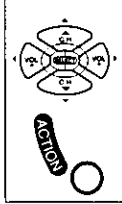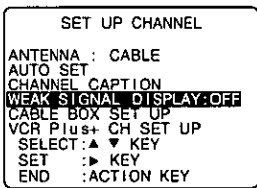
Select WEAK SIGNAL DISPLAY.

1) Press ▲▼ to select.

2) Press ► to set "ON" or "OFF."
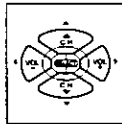
Notes

• "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.

2 SET
3 SELECT
▲:CH UP
▼:CH DOWN
►:VOL UP
◄:VOL DOWN

1 ACTION
2
4

4

Return to the normal screen.
Press ACTION twice.

Model PV-C2060 unit is shown here.
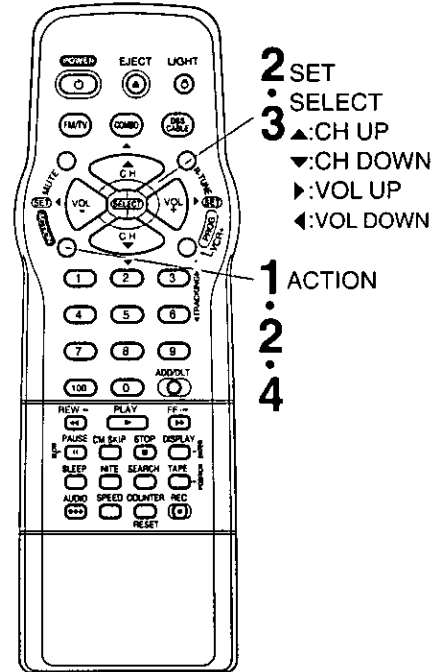
VCR Lock

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

```
VCR LOCK ACTIVATED

    VCR LOCK OFF
```

REC
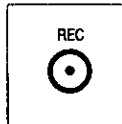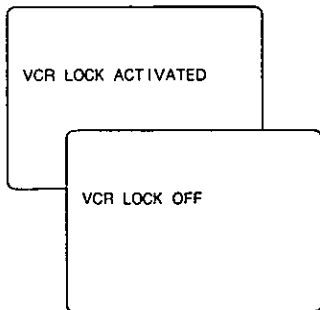
To turn "ON."
In stop mode, hold down REC on the unit without a cassette inserted for 7 seconds.

To turn "OFF."
Repeat above with or without cassette.
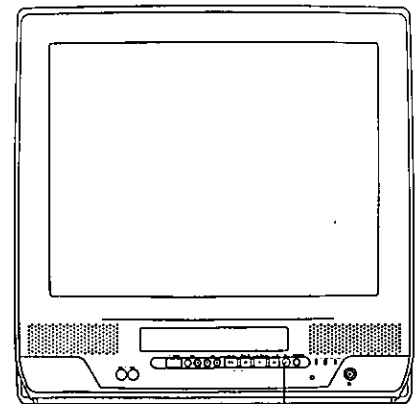
• VCR Lock is canceled automatically after about 24 hours if clock is set.

REC

Copy Your Tapes (Dubbing)

Connections you'll need to make.

<Model PV-C2060 unit is shown here.>

Recording (Editing) unit

Playing (Source) VCR

```
AUDIO  VIDEO        IN FROM
OUT  ⊖    ⊖    ⊚     ANT.        VIDEO IN   AUDIO IN
IN  ○     ○     ⊚    OUT TO         ⊖        ⊖
                      TV
```

<Model PV-C2080 unit is shown here.>

Recording (Editing) unit

Playing (Source) VCR

```
     R-AUDIO-L   VIDEO      IN FROM
OUT  ⊖     ⊖      ⊖    ⊚     ANT.      VIDEO IN  L-AUDIO IN-R
       MONO                  OUT TO      ⊖       ⊖        ⊖
IN  ○   ○        ○     ⊚      TV
```
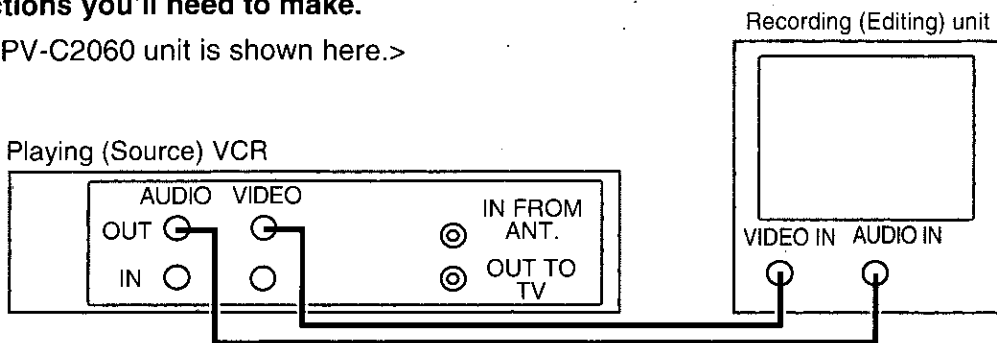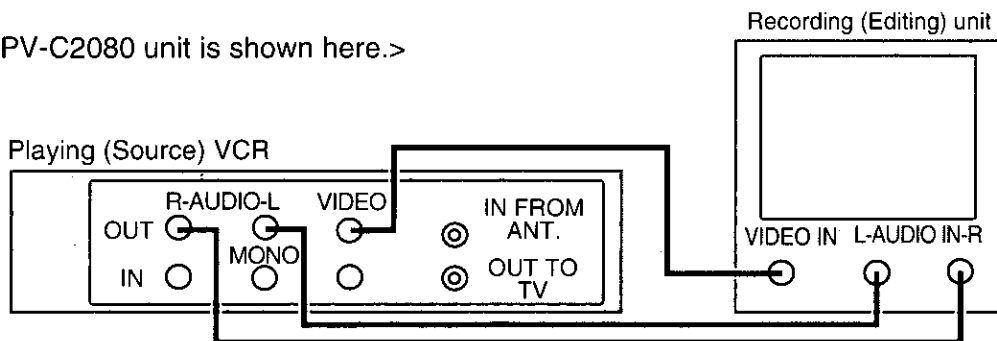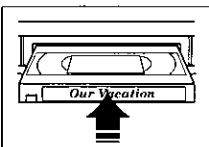
Playback (Source) VCR		Recording (Editing) unit	
1	**Insert pre-recorded tape.**		**Insert blank tape with record tab.** • Dubbing tapes protected with Copy Guard will have poor quality results.
2		**Select "LINE" mode.** See "Selecting Input Mode" section on page 13.	
3	**Put in Standby mode.** Press PLAY then PAUSE at starting point.	REC PAUSE SLOW	**Put in Standby mode.** Press REC, then PAUSE/SLOW immediately.
4	**Start dubbing.** Press PLAY.	PAUSE SLOW	**Start dubbing.** Press PAUSE/SLOW.
5	**Stop dubbing.** Press STOP/EJECT.	STOP	**Stop dubbing.** Press STOP.
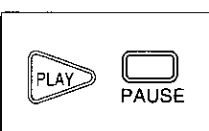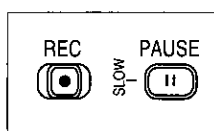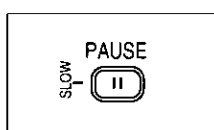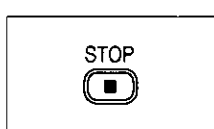
Caution

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

Advanced Operation

33

FM Radio

FM Radio Setup

1

Display FM radio mode.

Press FM/TV* on the remote or TIMER/FM twice on the unit.

2

```
12:00PM


FM 1    87. 5MHz
```

Select the FM number.

Press a NUMBERED key (1~9.)

3

```
12:00PM


FM 1    87. 7MHz
MEMORY:PUSH  ADD/DLT  KEY
```
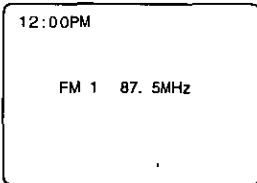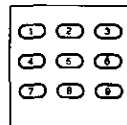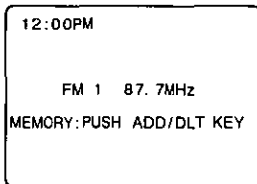
Set the radio station.
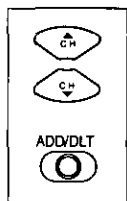
1) Press CH ▲▼ to select the desired radio station.
(Each press changes frequency 200 kHz.)

2) Press ADD/DLT to set.

```
12:00PM


FM 1    87. 7MHz
   MEMORIZED
```
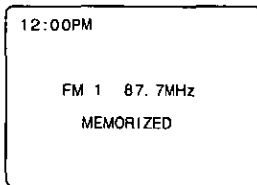
Quick Station Scan

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

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

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

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

FM ANTENNA Setup

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

a

Display MAIN MENU.

Press ACTION.

---

b

```
        MAIN MENU
   [TV]    [VCR]   [LANGUAGE]

   [CH]   [CLOCK]   [EXIT]

SELECT :▲ ▼ ◄ ► KEY
SET    :ACTION KEY
```
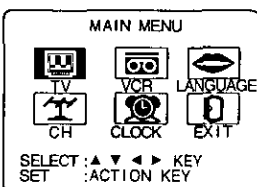
Display SET UP TV screen.
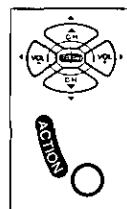
1) Press ▲▼◄► to select "TV."

2) Press ACTION to display.

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 20) to wake up to your favorite radio station.

Model PV-C2060 unit is shown here.
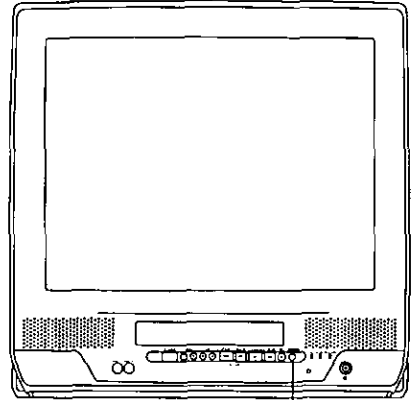
1 TIMER/FM
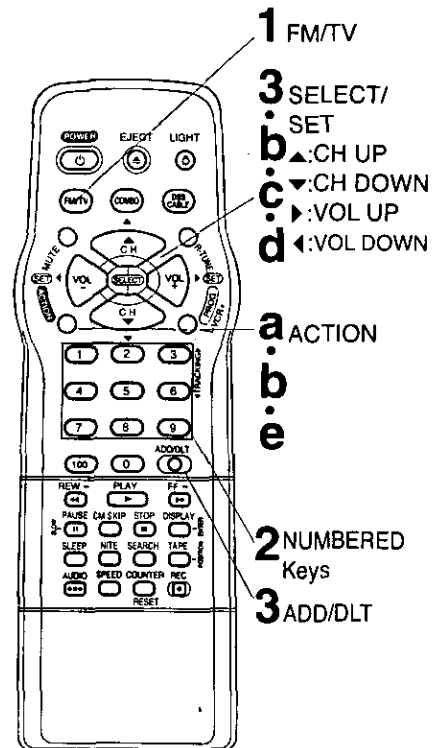
1 FM/TV

3 SELECT/
• SET
b ▲:CH UP
• **c** ▼:CH DOWN
• **c** ►:VOL UP
d ◄:VOL DOWN

a ACTION
•
b
•
e

2 NUMBERED Keys

3 ADD/DLT

C
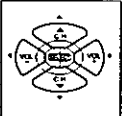
```
        SET UP TV
LOCK
CAPTION
INPUT SELECT    : TUNER
VIDEO ADJUST
SET UP FM
SPEAKER         : ON
SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```

Select SET UP FM.
<For Model PV-C2080 only>

1) Press ▲▼ to select.
2) Press ► to display.

d

```
        SET UP FM
FM ANTENNA           : INT
FM TRANSMITTER       : ON
SET UP FM TRANSMITTER
SPKR W/FM TRANS   : OFF

SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```
<For Model PV-C2080 only>

```
        SET UP TV
LOCK
CAPTION

VIDEO ADJUST
FM ANTENNA           : INT
SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```
<For Model PV-C2060 only>

Select FM ANTENNA.

1) Press ▲▼ to select.
2) Press ► to select "INT (INTERNAL)" or "EXT (EXTERNAL)" whichever sounds the best.

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

Model PV-C2060 unit is shown here.

CH ▲▼

A TIMER/FM

e

End setup.
Press ACTION twice (PV-C2060.)
(Press ACTION three times (PV-C2080).)

Using FM Radio

A

```
(FM/TV)
```
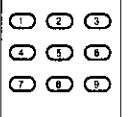
Display FM radio mode.
Press FM/TV on the remote or TIMER/FM twice on the unit.

B

```
12:00PM

FM 1   87. 5MHz
```

Select the FM number.

Press a NUMBERED key (1~9) to select a preset station (see steps **2** and **3** on the previous page.)

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

A FM/TV

B NUMBERED Keys

DISPLAY

AUDIO

Notes

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.

To select Audio Mode for FM Radio

```
12:00PM

✻STEREO ←
  MONO
  FM 1   87. 7MHz
```

Select "STEREO" or "MONO."

```
AUDIO
(o o)
```
Press AUDIO repeatedly in FM Radio mode.
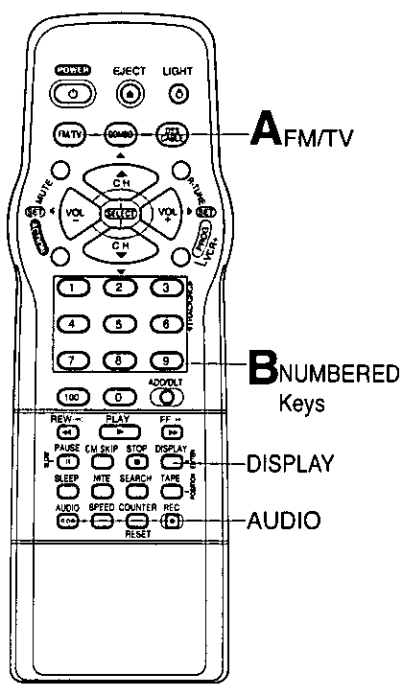
Notes

• 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.

Advanced Operation

35

FM Transmitter

FM Transmitter is ...

a feature whereby this unit's sound signal can be heard on your FM Radio. First, tune your radio to a frequency (93 ~ 97, 99 ~ 103 MHz) that is not being broadcast on by a radio station. Then, set this unit to the same carrier frequency (see below.) Now, fine-tune this unit so the sound comes in clearly.

FM Transmitter Carrier Frequency Setup
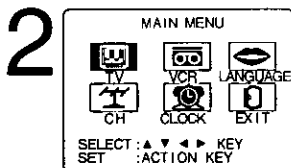
1

Display MAIN MENU.

Press ACTION*.

2

```
         MAIN MENU
  [TV]  [VCR]  [LANGUAGE]
  [CH]  [CLOCK]  [EXIT]
SELECT : ▲ ▼ ◄ ► KEY
SET    : ACTION KEY
```

Display SET UP TV screen.

1) Press ▲▼◄► to select "TV".
2) Press ACTION to display.

3

```
         SET UP TV
LOCK
CAPTION
INPUT SELECT    : TUNER
VIDEO ADJUST
SET UP FM
SPEAKER         : ON
SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```

Select SET UP FM.

1) Press ▲▼ to select.
2) Press ► to display.

4

```
         SET UP FM
FM ANTENNA         : INT
FM TRANSMITTER     : ON
SET UP FM TRANSMITTER
SPKR W/FM TRANS    : OFF

SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```
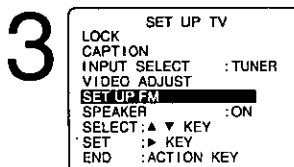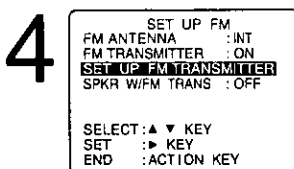
Select SET UP FM TRANSMITTER.

1) Press ▲▼ to select.
2) Press ► to display.

• When step 4 is done, FM TRANSMITTER is automatically set to "ON."

5

```
SET UP FM TRANSMITTER
   93MHz - 97MHz
   99MHz - 103MHz

|||||||||||||||||||||||||||
93MHz              97MHz
SELECT : ▲ ▼ KEY
SET    : ◄ ► KEY
END    : ACTION KEY
```

⬇

```
SET UP FM TRANSMITTER
   93MHz - 97MHz
   99MHz - 103MHz

|||||||||||||||||||||||||||
99MHz              103MHz
SELECT : ▲ ▼ KEY
SET    : ◄ ► KEY
END    : ACTION KEY
```
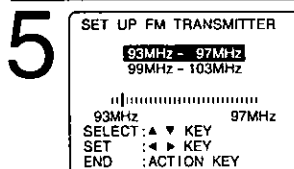
Set the Carrier Frequency.

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

To Make Corrections,
select frequency with CH ▲▼◄►, then repeat step 5.
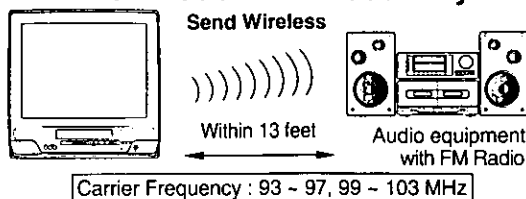
6

End setup

Press ACTION four times.

\<For Model PV-C2080 only\>

Send Wireless

))))))))

Within 13 feet — Audio equipment with FM Radio

| Carrier Frequency : 93 ~ 97, 99 ~ 103 MHz |

FM Transmitter ON/OFF

1

Do "FM Transmitter Carrier Frequency Setup" steps 1~3. (See left.)

2

```
         SET UP FM
FM ANTENNA         : INT
FM TRANSMITTER     : ON
SET UP FM TRANSMITTER
SPKR W/FM TRANS    : OFF

SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```

Select SET UP FM TRANSMITTER.

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

3
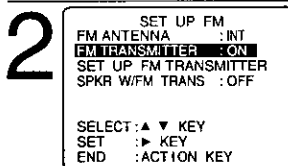
End setup

Press ACTION three times.

Speaker with FM Transmitter ON/OFF

1

Do "FM Transmitter Carrier Frequency Setup" steps 1~3. (See left.)

2

```
         SET UP FM
FM ANTENNA         : INT
FM TRANSMITTER     : ON
SET UP FM TRANSMITTER
SPKR W/FM TRANS    : ON

SELECT : ▲ ▼ KEY
SET    : ► KEY
END    : ACTION KEY
```
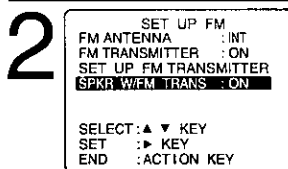
Select Speaker with Transmitter.

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

If you select...
■ "ON" → Internal Speaker ON with Transmitter
■ "OFF" → Internal Speaker MUTE with Transmitter

Notes

• This operation has effect only when "FM TRANSMITTER : ON" (see above.)
• If "SPKR W/FM TRANS : OFF", the MUTE and VOLUME key will not function.

3

End setup

Press ACTION three times.

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.
• Please put your FM Radio within 13 feet of the unit.
• 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.
• Depending on the positioning or type of FM Receiver, the sound signal may become noisy. In this case, change the FM Receiver from Stereo to Monaural.

1

Display MAIN MENU.
Press ACTION.

2

```
        MAIN MENU

   [TV]    [VCR]   LANGUAGE

   CH      CLOCK    EXIT

SELECT :▲ ▼ ◀ ▶  KEY
SET    :ACTION KEY
```

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

3
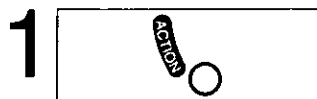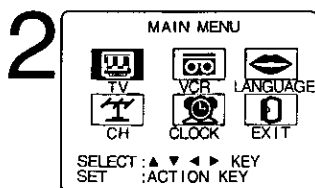
```
       SET UP TV
LOCK
CAPTION
INPUT SELECT    : TUNER
VIDEO ADJUST
FM ANTENNA      : INT
SELECT :▲ ▼ KEY
SET    :▶ KEY
END    :ACTION KEY
```
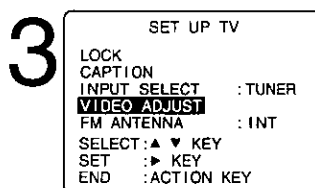
Display VIDEO ADJUST screen.
1) Press ▲▼ to select.
2) Press ▶ to display.

<For Model PV-C2060 only>

4

```
COLOR       ······|······
TINT        ······|······
BRIGHTNESS  ······|······
PICTURE     ··········|··
SHARPNESS   ······|······
NORMAL

SELECT :▲ ▼ KEY
ADJUST :◀ ▶ KEY
END    :ACTION KEY
```
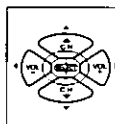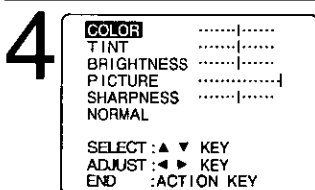
Adjust desired item.
1) Press ▲▼ to select an item. (See below right.)
2) Press ◀▶ to adjust.

```
COLOR       ······|······
TINT        ······|······
BRIGHTNESS  ······|······
PICTURE     ··········|··
SHARPNESS   ······|······
NORMAL

SELECT :▲ ▼ KEY
SET    :▶ KEY
END    :ACTION KEY
```
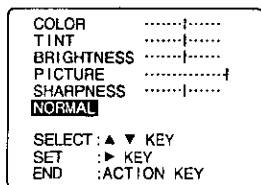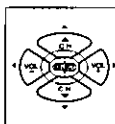
To Reset Picture Controls.
Press ▲▼ and ▶ to select and set "NORMAL."
All controls return to their factory settings.

5
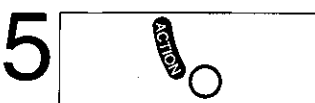
End setup.
Press ACTION three times to exit.

2 SET
• SELECT
3 ▲:CH UP
• ▼:CH DOWN
4 ▶:VOL UP
◀:VOL DOWN

1 ACTION
•
2
•
5
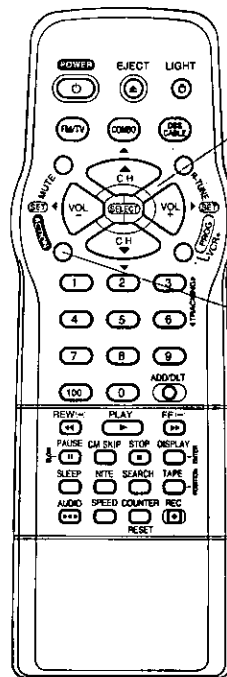
Picture Adjustment

■ **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.

Advanced Operation

V-Chip Control Feature

V-Chip Feature is...
This unit has 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 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

Display MAIN MENU.
Press ACTION*.

2

MAIN MENU

TV   VCR   LANGUAGE
CH   CLOCK   EXIT

SELECT :▲ ▼ ◀ ▶ KEY
SET   :ACTION KEY

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

3

SET UP TV
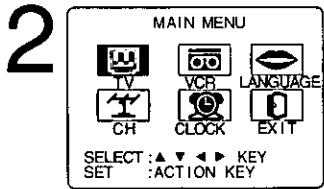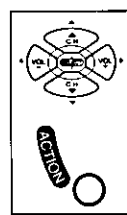
LOCK
CAPTION
INPUT SELECT   : TUNER
VIDEO ADJUST
FM ANTENNA   : INT
SELECT :▲ ▼ KEY
SET   :▶ KEY
END   :ACTION KEY

<For model PV-C2060 only>
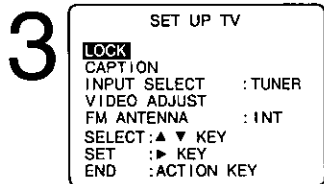
Select Lock.
1) Press ▲▼ to select.
2) Press ▶ to display.

4

LOCK

ENTER 4-DIGIT CODE

▉---

SELECT:▲ ▼ KEY
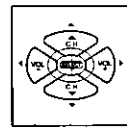
END   :ACTION KEY
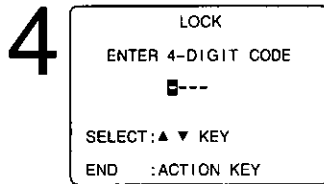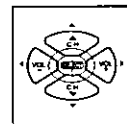
Enter your secret code.
1) Press ▲▼ to select a number.
2) Press ▶ (or ◀) to set.

• Repeat step 4 until all 4-digits are entered.
• Take care that you are not observed entering the secret code.

To Make Corrections
Press ◀▶ to move the cursor and ▲▼ to make the correction.

5

LOCK

RECOGNIZED

CHANGE CODE:ADD/DLT KEY
CONTINUE:ACTION KEY
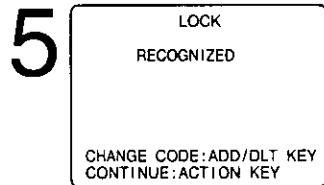
Save 4-DIGIT CODE.
Press ACTION.

6
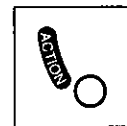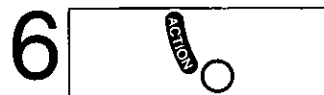
Display LOCK menu for rating screen.
Press ACTION and go to page 39 (US MOVIES Ratings), or page 40 (US TV PROGRAMS Ratings)
Or,
to exit, press ACTION four times.

2 SET
• SELECT
3 ▲:CH UP
• ▼:CH DOWN
4 ▶:VOL UP
◀:VOL DOWN

1 ACTION
•
2
•
5
•
6
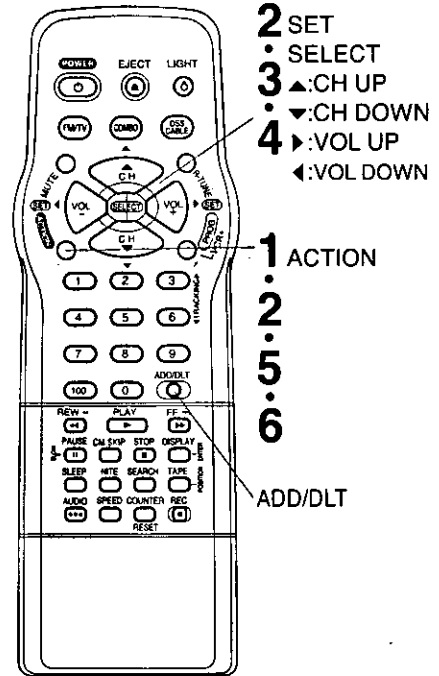
ADD/DLT

Changing your secret code
• You will need your current code.

Do steps 1~4. In step 5, press ADD/DLT to clear current code. Repeat steps 4 and 5 to enter new code.

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

Setup US MOVIES Ratings

If LOCK menu is not displayed, do "Enter Secret Code" steps on page 38.

Process of V-Chip Control Feature

| Enter Code | ⇨ | Setup | ⇨ | Blocking |

1
```
           LOCK
US MOVIES           :OFF
   CHANGE SETTINGS
US TV PROGRAMS      :OFF
   CHANGE SETTINGS
               NEXT PAGE
SELECT:▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```
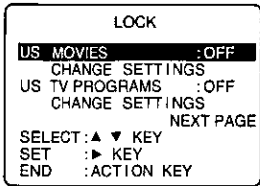
Select US MOVIES STATUS.
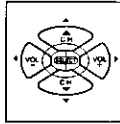
1) Press ▲▼ to select.
2) Press ► to set "ON" or "OFF."

If you select US MOVIES STATUS:

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

Notes
• "NEXT PAGE" is setup to CANADIAN V-Chip setting mode. "NEXT PAGE" cannot be used in the U.S.

2
```
           LOCK
US MOVIES           :OFF
   CHANGE SETTINGS
US TV PROGRAMS      :OFF
   CHANGE SETTINGS
               NEXT PAGE
SELECT:▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```

Select CHANGE SETTINGS.

1) Press ▲▼ to select.
2) Press ► to display.

3
```
VIEW NR PROGRAMS? : YES
   G           UNLOCKED
   PG
   PG-13
   R
   NC-17
   X
CONTAINS NO RATING
SELECT:▲ ▼  SET:►
END    :ACTION KEY
```
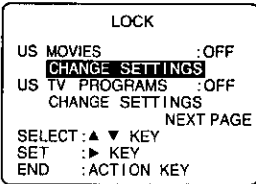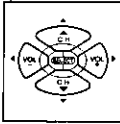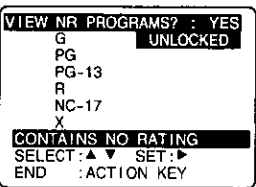
Select VIEW NR PROGRAMS?
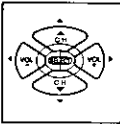
1) Press ▲▼ to select.
2) Press ► to set "YES" or "NO."

NR (Not Rated) PROGRAMS
Some movies, such as old movies or foreign movies usually have no ratings.

4
```
VIEW NR PROGRAMS? : YES
   G           UNLOCKED
   PG
   PG-13
   R
   NC-17
   X
GENERAL AUDIENCE
SELECT:▲ ▼  SET:►
END    :ACTION KEY
```
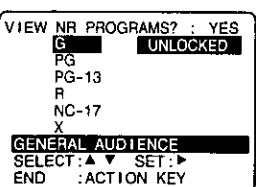
Select ratings to be blocked. (See right.)
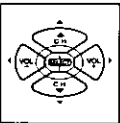
1) Press ▲▼ to select.
2) Press ► to set.

5

Redisplay LOCK menu to continue setup.

Press ACTION and go to page 40 (US TV PROGRAMS Ratings)
Or,
to exit, press ACTION four times.

Remote control labels:
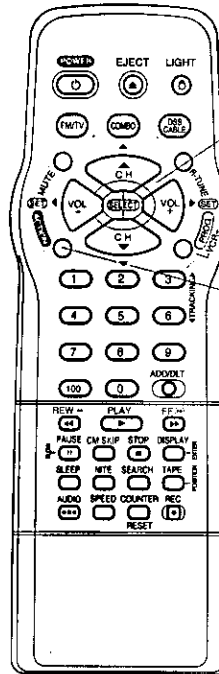
1 SET
2 SELECT
3 ▲:CH UP
3 ▼:CH DOWN
3 ►:VOL UP
4 ◄:VOL DOWN
5 ACTION

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:

Advanced Operation

V-Chip Control Feature (continued)

Setup US TV PROGRAMS Ratings

Process of V-Chip Control Feature

Enter Code ⇨ **Setup** ⇨ Blocking

1

```
         LOCK
US MOVIES          :OFF
    CHANGE SETTINGS
US TV PROGRAMS     :OFF
    CHANGE SETTINGS
              NEXT PAGE
SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```

Select US TV PROGRAMS STATUS.

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

If you select US TV PROGRAMS STATUS:

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

Notes

• "NEXT PAGE" is setup to CANADIAN V-Chip setting mode. "NEXT PAGE" cannot be used in the U.S.

2

```
         LOCK
US MOVIES          :OFF
    CHANGE SETTINGS
US TV PROGRAMS     :OFF
    CHANGE SETTINGS
              NEXT PAGE
SELECT :▲ ▼ KEY
SET    :► KEY
END    :ACTION KEY
```

Select CHANGE SETTINGS.

1) Press ▲▼ to select.
2) Press ► to display.

3

```
VIEW NR PROGRAMS?  : YES
TV-Y        UNLOCKED
TV-Y7     FV

TV-G
TV-PG    V  S  L  D
TV-14    V  S  L  D
TV-MA    V  S  L
CONTAINS NO RATING
SELECT :▲ ▼   SET :►
END    :ACTION KEY
```
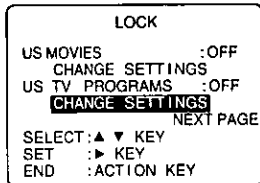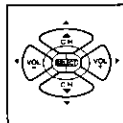
Select VIEW NR PROGRAMS?

1) Press ▲▼ to select.
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.

4

```
VIEW NR PROGRAMS?  : YES
TV-Y        UNLOCKED
TV-Y7     FV

TV-G
TV-PG    V  S  L  D
TV-14    V  S  L  D
TV-MA    V  S  L
FOR ALL CHILDREN
SELECT :▲ ▼   SET :►
END    :ACTION KEY
```
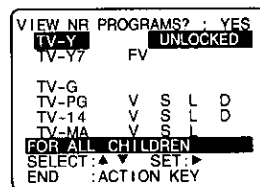
Select ratings to be blocked. (See next page.)
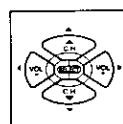
1) Repeatedly Press ▲▼ to select.
2) Press ► to set.

• Ratings which are highlighted in Green will be blocked, when not highlighted (white letters), these will not be blocked.

Note

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

1 SELECT/
2 SET ▲:CH UP
3 ▼:CH DOWN ►:VOL UP
4

5 ACTION

5

Exit this mode.

Press ACTION four times.
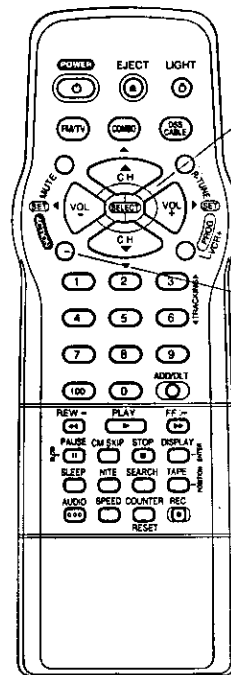
US TV PROGRAMS RATINGS: Chart 1

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>

```
                          ABC


PROGRAM RATING EXCEEDED
RATING:PG-13
```
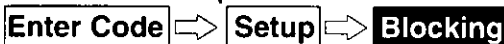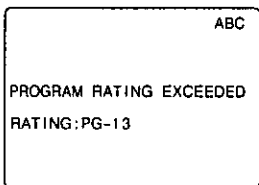
• If V-Chip Control is activated, and a program or movie exceeds the ratings you have set, a message will appear on a black background and sound is muted.

```
STOP    11:00AM    ABC
                 -0:12:34
                      SP
RATING:PG-13
```
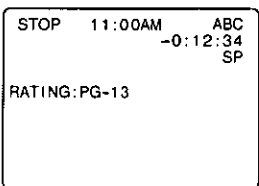
• If DISPLAY is pressed, even when V-Chip control is deactivated, rating is displayed on-screen.

To Continue Viewing a Blocked Program
After entering your 4-digit secret code, go to step 1 on both pages 39 and 40 and select "OFF" to deactivate V-Chip Control.
• The US MOVIES and US TV PROGRAMS ratings you set will be retained.

Advanced Operation

41

Cable Box Universal Remote Control Feature

The Universal Remote Control Setup

1 Find your DSS box or Cable box Brand Code Number from one of the charts on the next page.
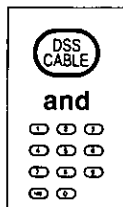
2
Setup remote.

1) Hold down DSS CABLE.
2) Press NUMBERED keys to enter code.

• For code 100 or greater, first press 100 key, then the remaining digit. E.g. for 102, press 100, then press 0, and then press 2.
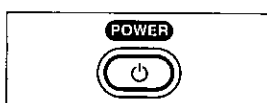
3
Confirm code entry.

Press POWER* to turn selected unit ON or OFF.

• See below for a list of controllable functions in each mode.

Notes

• Please repeat the Universal Remote Control Setup after replacing remote control batteries.
• The remote control will not operate all DSS receivers or Cable Boxes made by the manufactures listed. If you get no results, your particular brand cannot be controlled.

Using the Universal Remote Control

Once the remote control has been properly set up, you can select COMBO, DSS or CABLE mode depending on which functions you wish to control. (See below.)
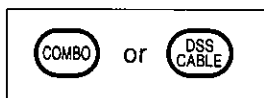
Press COMBO or DSS CABLE
on the remote control to select the desired mode. (See below for buttons available in each mode.)

Universal Remote Control is...
The remote control may be set up to control some basic DSS or Cable box functions.

3 POWER

COMBO

2 DSS CABLE

2 NUMBERED Key

ENTER/ DISPLAY

Set to COMBO:

• All TV and VCR functions.

Set to DSS CABLE:

• Basic VCR functions, e.g. PLAY, REC, etc.
• CABLE/DSS functions, e.g. POWER, ENTER, NUMBERED keys (except 100key), CH UP/DOWN.

Notes

• In DSS or CABLE mode, it may be necessary to press ENTER after pressing NUMBERED keys for channel selection.
• In DSS or CABLE mode, POWER, CH Up/Down, NUMBERED Keys, ACTION, PROG/VCR+, DISPLAY, SEARCH, R-TUNE, FM/TV, or ADD/DLT are not available. Press COMBO to use these functions.
• Depending on your DSS receiver or Cable box brand, some of the functions listed may not be remote controllable.
• Some DSS receiver or Cable box brands require you to turn on the power manually.
• Due to changes in infra-red commands used by manufacturers, some brands have several codes. If your unit does not respond to the first code, please try the next one.

42

Remote Warning ON/OFF

When Universal Remote Control (previous page) is used, and this feature is set to "ON," a warning appears whenever an invalid key is pressed in DSS or Cable mode.

1 **Display MAIN MENU.**

Press ACTION.

2 **Display SET UP VCR screen.**

MAIN MENU
TV VCR LANGUAGE
CH CLOCK EXIT
SELECT : ▲ ▼ ◄ ► KEY
SET : ACTION KEY

1) Press ▲▼◄► to select "VCR."
2) Press ACTION to display.

3 **Select REMOTE WARNING.**

SET UP VCR
REPEAT PLAY : OFF
TIMER PROGRAM
TIME STAMP : ON
REMOTE WARNING : ON
SELECT : ▲ ▼ KEY
SET : ► KEY
END : ACTION KEY

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

• "OFF" → Remote warning will not appear even if invalid key is pressed.

4 **Return to normal screen.**

Press ACTION twice.
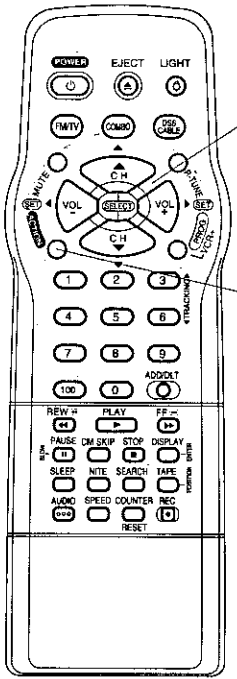
2 SET
· SELECT
3 ▲:CH UP
▼:CH DOWN
►:VOL UP
◄:VOL DOWN

1 ACTION
·
2
·
4

DSS Brand Code Numbers

Toshiba 92	Magnavox/Uniden 2 95	Sony 98, 105
Hitachi/Hughes 93	Panasonic 96	
Magnavox/Uniden 1 94	RCA 97	

Cable Box Brand Code Numbers

Archer 05, 06, 01, 44, 63, 91, 126	Matsushita 16, 17, 97, 109	Sheritech 27
Cabletenna 01, 44, 63, 91, 126	Movietime 32, 39, 42, 44, 126, 38, 40	Signal 26, 112
Cableview 63, 44, 42, 30, 52, 04, 124, 126	NEC 38, 40, 32	SL Marx 32, 40, 42, 06, 43, 44, 52, 63, 126
Century 51, 44, 59, 75, 126	NOVAVISION 08, 09, 61, 53, 87	Sprucer 16, 17, 97, 109
Citizen 63, 44, 42, 30, 52, 04, 124, 126	NSC 38, 40, 32	Standard Components .. 32, 39, 42, 44, 126
Curtis 08, 09, 61, 53, 87	Oak 46, 11, 129	Stargate .. 32, 40, 63, 44, 42, 30, 52, 04, 06, 124, 126
Diamond 01, 44, 63, 91, 126,	Oak Sigma 46, 11, 129	
Drake 67	Panasonic 16, 17, 97, 109	Sylvania 19
Eagle 13, 22, 58, 62, 20, 40, 26, 107	Philips 07, 13, 20, 23, 24, 50, 128, 129	Teknika 74
Eastern 28, 130	Pioneer 05, 06	Telecaption 77, 127
GC Brand .. 63, 44, 42, 30, 52, 04,124, 126	Pulsar 63, 44, 42, 30, 52, 04, 124, 126	Teleview 32, 40, 42, 06
Gemini 04, 124	Quest 05, 06	Texscan 18, 19
General Electric 57, 01	Radio Shack 51, 44, 59, 75, 126	Tocom 33, 34, 01, 42, 66, 91
General Instruments 01, 02, 03, 04, 34, 55, 83, 106, 65, 67, 68, 115, 117, 118	RCA 16, 17, 97, 109	Toshiba 36
Hamlin 14, 15, 28, 41, 102, 103, 104, 108, 130	Realistic 51, 44, 59, 75, 126	Uniden Satellite 65
Hitachi 31	Recoton 51, 44, 59, 75, 126	Unika 01, 44, 63, 91, 126
Jasco 04, 124	Regal 14, 15, 28, 41, 102, 103, 104, 108, 130	Universal 42, 43, 44, 52, 63, 126
Jerrold 01, 02, 03, 04, 34, 55, 83, 106, 65, 67, 68, 115, 117, 118	Regency 28, 130	Videoway 07, 23, 50, 129
Macom 31	Rembrandt 01, 32, 39, 42, 44, 63, 126	Vid Tech 64
Magnavox 26, 112	Salora 68	Vidtek 64
	Samsung 05, 32, 40, 42, 06	Viewstar 13, 22, 58, 62, 20, 40, 26, 107
	Scientific Atlanta 08, 09, 61, 53, 87	Zenith 07, 23, 50, 129

43

Audio Features

<For Model PV-C2080 only>

Select Audio Mode for Playback

Choose the type of sound track for playback.

1 Playback the tape.
See the "Playback a Tape" section on page 12.

2
```
HIFI (L/R) ←
HIFI (L)
HIFI (R)
NORMAL
```

• This screen appears when you press AUDIO during playback.

Select desired mode.
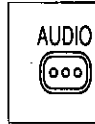
AUDIO
⊙⊙⊙

Press AUDIO repeatedly (each press within 5 seconds.)

• Please select "HIFI (L/R)", "HIFI (L)" or "HIFI (R)" to listen to stereo recordings in stereo sound. Select "NORMAL" for monaural sound.

Select Audio Mode for Recording

Choose the type of broadcast to be recorded.

a
AUDIO
⊙⊙⊙

Select Audio Mode for Recording a Do "Select Audio Mode for TV Viewing" steps on page 11. Press AUDIO.

• Recording will always be made in the audio mode selected in the "Select Audio Mode for TV Viewing" section on page 11.

---

b Do a recording.
See the "Record On a Tape" section on page 13.

With the proper audio mode setting, your unit can:

• record and playback MTS stereo broadcast (main language) in stereo Hi-Fi. Stereo sound is recorded on the left and right audio tracks and on the video portion of a tape.

• record and playback a monaural broadcast (main language) or SAP (Secondary Audio Program, usually in a second language) on the Hi-Fi tracks for better quality monaural sound.

• playback non-Hi-Fi tapes in monaural.
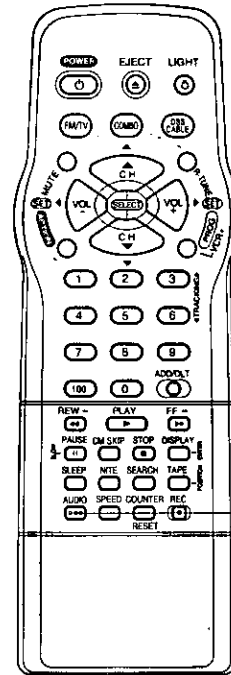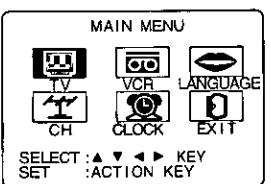
2 AUDIO
a

Notes

• When purchasing or renting prerecorded tapes, remember that only those recorded in Hi-Fi stereo will playback with true stereo sound. Standard stereo tapes will playback with monaural sound.

• To listen to the superior sound of Hi-Fi stereo playback, the unit AUDIO (L/R) jacks must be connected to a stereo amp and speakers.

• There may be a difference in audio level between Hi-Fi and normal audio playback.

44

<For Model PV-C2080 only>
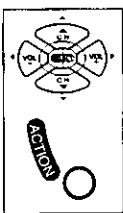
Speaker ON/OFF System
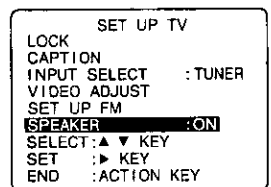
Allows you to turn off the speaker of the unit when it is connected to external audio equipment.

1

Display MAIN MENU.

Press ACTION*.

2

MAIN MENU

SELECT :▲ ▼ ◄ ► KEY
SET :ACTION KEY

Display SET UP TV screen.

1) Press ▲▼◄► to select "TV."

2) Press ACTION to display.

3

SET UP TV
LOCK
CAPTION
INPUT SELECT : TUNER
VIDEO ADJUST
SET UP FM
SPEAKER :ON
SELECT:▲ ▼ KEY
SET :► KEY
END :ACTION KEY

Select SPEAKER.

1) Press ▲▼ to select.

2) Press ► to set "ON" or "OFF."
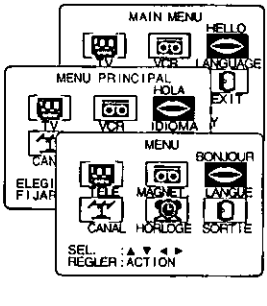
• In SPEAKER OFF condition, the MUTE button and VOL + - do not function.

4

End setup.

Press ACTION twice.

2 SELECT/
3 SET
▲:CH UP
▼:CH DOWN
►:VOL UP
◄:VOL DOWN

1 ACTION

2.4

Advanced Operation

Reset Language, Channels, Clock

•Important: if the remote control POWER, CH Up/Down, NUMBERED keys, ACTION, PROG/VCR+, DISPLAY, SEARCH, R-TUNE, FM/TV, or ADD/DLT button does not work when pressed, press COMBO button on the remote and try the button again.
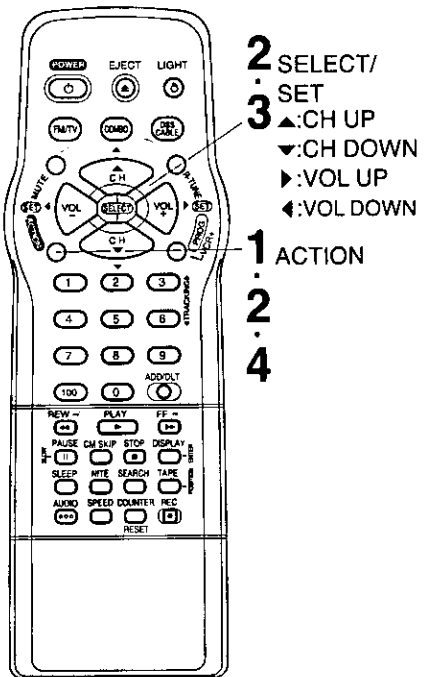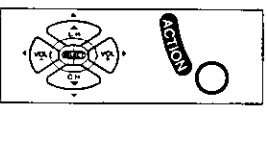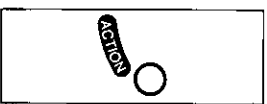
To Change the OSD Language

1 Press ACTION*.
Display MAIN MENU.
Press ACTION*.
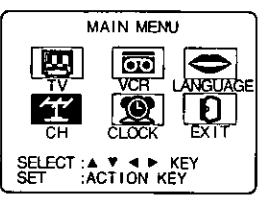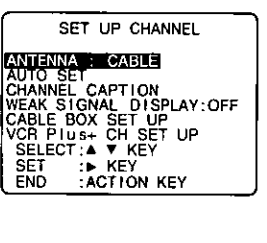
2
MAIN MENU / MENU PRINCIPAL / MENU
Select the language selection icon.
1) Press ▲▼◄► to select.
2) Press ACTION repeatedly to set.
English:LANGUAGE
Spanish:IDIOMA
French:LANGUE

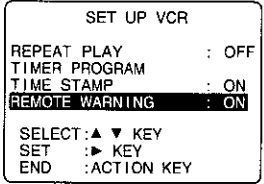SEL. :▲ ▼ ◄ ►
REGLER :ACTION
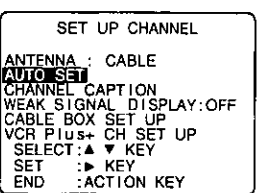
3
End setup.
1) Press ▲▼◄► to select "EXIT."
2) Press ACTION to exit.
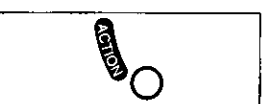
To Replace Channels in Memory

1
Display MAIN MENU.
Press ACTION.

2
MAIN MENU
Display SET UP CH screen.
1) Press ▲▼◄► to select "CH."
2) Press ACTION to display.

SELECT :▲ ▼ ◄ ► KEY
SET :ACTION KEY

3
SET UP CHANNEL
ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY
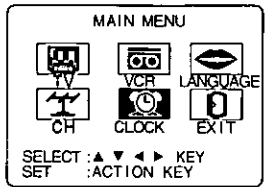
Select ANTENNA.
1) Press ▲▼ to select.
2) Press ► to select your antenna system ("TV" or "CABLE.")

4
SET UP CHANNEL
ANTENNA : CABLE
AUTO SET
CHANNEL CAPTION
WEAK SIGNAL DISPLAY:OFF
CABLE BOX SET UP
VCR Plus+ CH SET UP
SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY
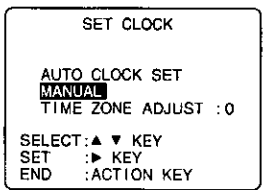
Select AUTO SET.
1) Press ▲▼ to select.
2) Press ► to start.

5
End setup.
Press ACTION twice.
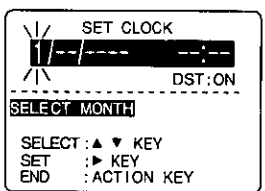
To Set or Reset the Clock

1
Display MAIN MENU.
Press ACTION.

2
MAIN MENU
Display SET CLOCK screen.
1) Press ▲▼◄► to select "CLOCK."
2) Press ACTION.

SELECT :▲ ▼ ◄ ► KEY
SET :ACTION KEY

3
SET CLOCK
AUTO CLOCK SET
MANUAL
TIME ZONE ADJUST : 0
SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY
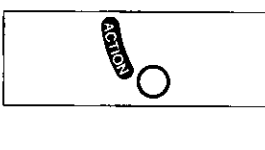
Display SET CLOCK menu.
1) Press ▲▼ to select "MANUAL."
2) Press ► to set.

• For Auto Clock Set, select "AUTO CLOCK SET" then press ► to set and CH ▲ to start.

4
SET CLOCK
1/--/---- --:--
DST:ON
SELECT MONTH
SELECT :▲ ▼ KEY
SET :► KEY
END :ACTION KEY

Set the clock manually.
1) Press ▲▼ to select the month.
2) Press ► to set.

• Likewise set date, year, time, and DST. (Daylight Saving Time.)
To Make Corrections,
repeatedly press ◄► to move to error, then correct.

5
End setup.
Press ACTION twice to start the clock and exit this mode.

Add or Delete a Channel
To add channel:
Select channel with NUMBERED keys and press ADD/DLT.

CHANNEL 08 ADDED

CHANNEL 08 DELETED
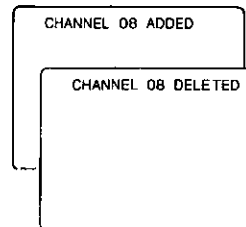
To delete channel:
Select channel with CH ▲▼ or NUMBERED keys and press ADD/DLT.

46   For assistance, call 1-800-211-PANA(7262)

On-Screen Display (OSD)

VCR Status & Clock Display
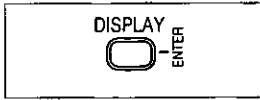
DISPLAY
ENTER

To display or remove the overlay.

Press DISPLAY.

Function Status Channel Caption
Current Time

Rec Time Remaining
(OTR mode only, see
page 13.)

Receivable Broadcast
Types (See page 11.)

```
REC      12:00PM    ABC
0:25              -0:12:34    ──── Counter
(( STEREO ←           SP
(( SAP
   MONO
12/27/1999 MON
12:00PM - 1:00PM
CH 08 ABC  MOVIE
MEMORIAL MOVIE
```

Counter
Tape Speed

Time Stamp Data (See pages 30, 31.)
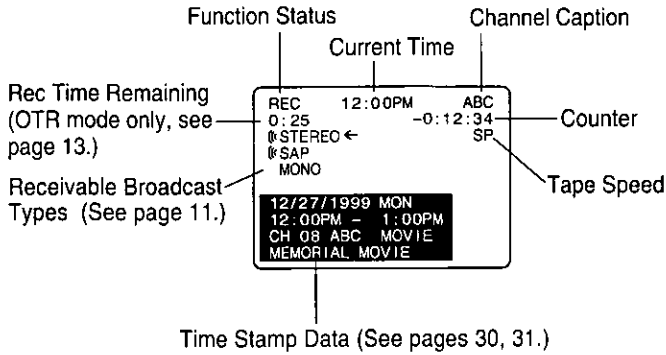
Blue Screen Display

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 ON/OFF" (see page 32) set to "OFF," the TV 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 28, 29.)

```
08
ABC
```
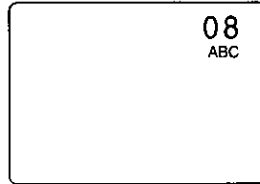
Warning and Instruction Displays

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...	7
PLEASE SET CLOCK BEFORE PROGRAMMING	• If you attempt to set or review a Timer Recording, VCR Plus+ System Programming or set the On-Timer and the Clock is not set...	8, 9, 46
CHECK CASSETTE RECORD TAB	• If you press REC, and a cassette is inserted with no record tab...	6, 13
TO CANCEL TIMER REC HOLD DOWN STOP KEY FOR APPROX 3 SEC	• If you press STOP during a Timer Recording...	15
NO CASSETTE PLEASE INSERT A CASSETTE	• If you press PLAY, FF, REW, or REC without a cassette inserted...	12, 13
REMOTE CONTROL IS SET TO DSS/CABLE MODE USE COMBO : COMBO KEY	• If you press POWER, ACTION, or PROG on the remote while in DSS or CABLE mode...	42, 43
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...	48
VCR LOCK ACTIVATED	• If you press a function button other than STOP/EJECT or POWER while the unit is in VCR Lock mode...	32

For Your Information

Unit Information

Reset all unit Memory Functions

Use when moving unit to a new location, or if a mistake was made in the One Time Setup section.
• Make sure a tape is not inserted in the unit.

<Model PV-C2060 unit is shown here.>
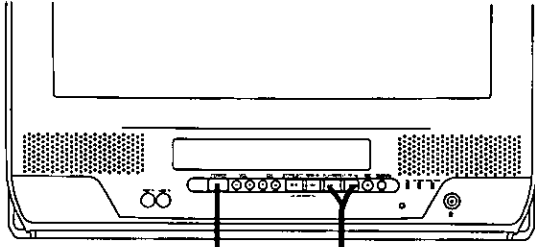
1 Turn the unit Power on.

2 Press and hold both PLAY and FF on the unit for more than 5 seconds.
• The power will shut off.

3 Do "One Time Setup" steps on page 8.

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.

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

END:PLAY KEY
```

• If head clog symptoms persist, contact your nearest Factory Service Center or authorized Service Center. (See Page 50.)

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.

| NORMAL TIME | 1:00 a.m. 2:00 a.m.
| DAYLIGHT SAVING TIME | 3:00 a.m. 4:00 a.m.
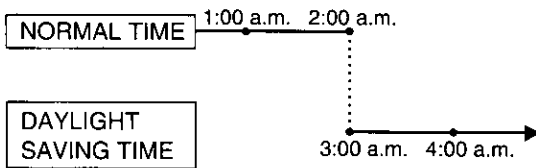
Autumn (Last Sunday in October)

DST:ON → Turns clock back one hour.

| DAYLIGHT SAVING TIME | 1:00 a.m. 2:00 a.m.
| NORMAL TIME | 1:00 a.m. 2:00 a.m.
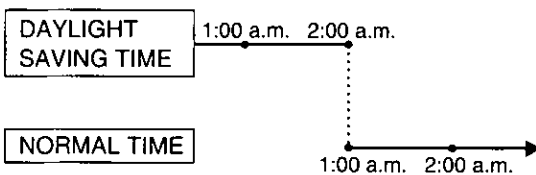
• If your area does not observe Daylight Saving Time, select DST:OFF.

• Keep these time changes in mind when programming the unit for timer recordings.

Specifications

Display
Picture Tube: 20 inch measured diagonal 90° deflection Picture Tube

VCR
Video Recording System: 4 rotary heads helical scanning system
Audio Track: 1 track (NORMAL) 2 channel (Hi-Fi Audio Sound) (PV-C2080)

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
FM Transmitter
Band range: 93 ~ 97, 99 ~ 103 MHz (PV-C2080)

General
Power Source: 120 V AC, 60 Hz
Power Consumption: Approx. 110 watts (Power on) Approx. 4.5 watts (Power off)
Television System: EIA Standard NTSC color
Speaker: 2 pieces
Operating Temperature: 5 °C ~ 40 °C (41 °F ~ 104 °F)
Operating Humidity: 10 % ~ 75 %
Weight: 23 Kg (50.6 lbs.)
Dimensions: 20-5/16" (W) X 19-7/8" (H) X 18-11/16" (D) 515 (W) X 505 (H) X 474 (D) mm

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

48

Before Requesting Service

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

Power	Correction
No power...	• Completely insert Power Plug into an AC outlet. • Set POWER button to ON.

Monitor	Correction
No picture or sound...	• Make sure your antenna system (TV or CABLE), is correctly set. (P. 7) • Completely insert Power Plug into an AC outlet. • Set POWER button to ON.
Poor picture with normal sound...	• Adjust BRIGHTNESS, SHARPNESS, and PICTURE controls in the SET UP TV menu. (P. 37)
Poor sound with normal picture...	• Adjust VOLUME control. (P. 10)
Poor TV reception...	• Adjust SHARPNESS and PICTURE controls in the SET UP TV menu. (P. 37)
No color or poor color...	• Adjust TINT and COLOR controls in the SET UP TV menu. (P. 37)
Ghost (multiple) images...	• Install a directional antenna.
TV programs cannot be watched...	• Make sure the selected channel is in unit's memory. (P. 46)
Channel cannot be selected...	• Only the channel being recorded can be viewed on this unit.

VCR	Correction
TV program cannot be recorded...	• Make sure your antenna system (TV or CABLE), is correctly set. (P. 7) • Make sure cassette record tab is intact. (P. 6)
Timer recording cannot be performed...	• 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 time correctly. (P. 14, 15) • 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...	• Adjust TRACKING control in either direction. (P. 12) • Try Head Cleaning. (P. 48)
VCR cannot be controlled...	• 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...	• Aim remote at remote sensor on unit (P. 55) so that signal is unobstructed. • Inspect the remote batteries. (P. 6) • Make sure VCR LOCK is set to off. (P. 32) • Exposing unit remote sensor to direct fluorescent or outdoor light may cause signal interference.
ACTION, PROG and FM/TV buttons cannot be selected...	• Press COMBO button for COMBO mode. (P. 42) • Check remote batteries.

Miscellaneous	Correction
Video cassette cannot be inserted...	• Insert the cassette window side up; record tab facing you.
Video cassette cannot be removed...	• Completely insert Power Plug into an AC outlet.
Tape cannot be ejected or inserted...	• 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...	• Make sure cassette record tab is intact. (P. 6)
In Stop mode, the VCR motor (CYLINDER) continues to rotate...	• To enable Quick Play mechanism, the VCR cylinder will rotate for about 5 minutes. This reduces response time from Stop to Play mode and from Play to Rewind Search mode.
VCR cannot be controlled...	• 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

For Your Information

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

20201 Sherman Way
Suite 102
Canoga Park, CA 91306

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

MICHIGAN
37048 Van Dyke
Avenue
Sterling Heights,
MI 48312

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

TENNESSEE
3800 Ezell Road
Suite 806
Nashville, TN 37211

TEXAS
13615 Welch Road
Suite 101
Farmers Branch,
TX 75244

WASHINGTON
20425-84th Avenue
South Kent, WA 98032

HAWAII
99-859 Iwaiwa Street
Aiea, Hawaii 96701
Phone (808) 488-1996
Fax (808) 486-4369

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/ Factory Servicenter:

Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787)750-4300 Fax (787)768-2910

As of January 2000

Conexión de la antena externa

Desenganche la antena del televisor o de la videograbadora que tuviera anteriormente y conéctela a la parte trasera del registrador Combinación de VCR/TV, como se muestra en el diagrama. Si el sistema de su antena tiene conductores UHF y VHF separados, usted necesita un mezclador de banda UHF/VHF (no viene con el equipo.)

ADVERTENCIA:
Al utilizar cables coaxiales RF del "Tipo tuerca", solo debe apretarse con los dedos. Si se aprieta demasiado los cables pueden resultar dañados.

Mezclador de banda UHF/VHF (no está incluido)

(Plano) Cable bifubular de 300 ohmios

(Redondo) Cable coaxial de 75 ohmios

desde la antena

Transformador de 300-75 ohmios (no está incluido)

(Plano) Cable bifubular de 300 ohmios

Parte trasera de la combinación de TV/VCR

<Los dibujos son para los modelo PV-C2060>
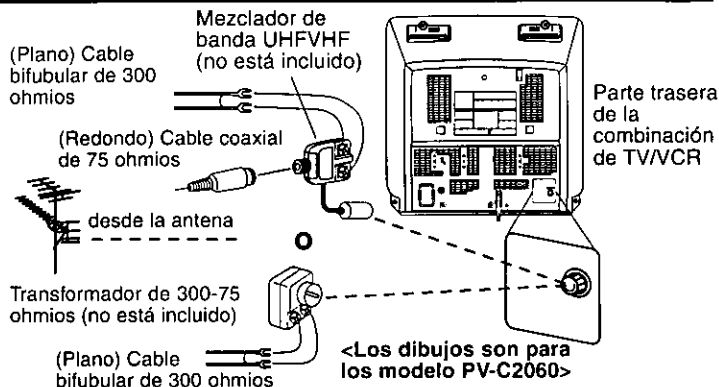
Conexiones de TV cable

■ Sin un decodificador de TV cable

Podrá;
• grabar o ver canales sin codificar.

No Podrá;
• grabar o ver canales codificados.
• ver otro canal que no sea el seleccionado para cualquier tipo de grabación.

Antena o Cable TV

Parte trasera de la combinación de TV/VCR

VHF/ UHF
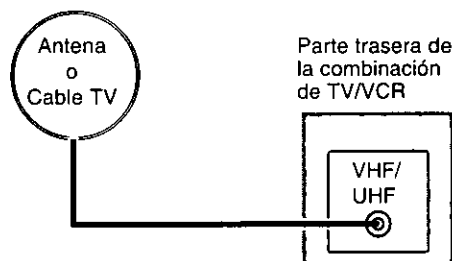
■ Con un decodificador de TV cable

Podrá;
• grabar o ver cualquier canal incluso los canales codificados.
NOTA : El canal deberá ser seleccionado en el decodificador de TV cable.

No Podrá;
• ver otro canal que no sea el seleccionado para cualquier tipo de grabación.
• hacer una grabación con temporizador de un canal a menos que lo seleccione en el decodificador de TV cable.

Antena o Cable TV

Caja convertidora de TV por cable

IN OUT

Parte trasera de la combinación de TV/VCR

VHF/ UHF
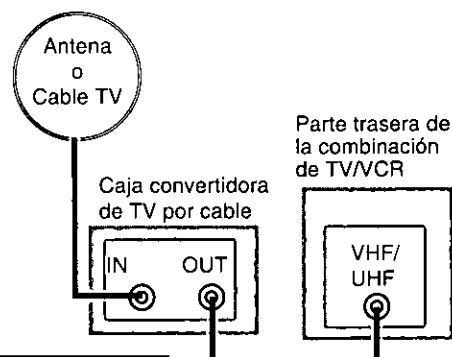
Para ver y grabar un canal codificado/ no codificado
Sintonice el canal del Registrador de la combinación de TV/VCR en el canal de salida de la caja convertidora de televisión por cable (por ejemple el canal 3.)
Después, seleccione en el decodificador de TV cable el canal que se quiera ver o grabar.

■ Con un receptor DSS

Podrá;
• grabar o ver cualquier canal incluso los canales codificados.
NOTA : El canal deberá ser seleccionado en el receptor DSS.

No Podrá;
• ver otro canal que no sea el seleccionado para cualquier tipo de grabación.
• hacer una grabación con temporizador de un canal a menos que lo seleccione en el receptor DSS.
NOTA : El receptor DSS debe estar apagado para ver programas desde un decodificador de TV cable o desde la antena. Consulte el manual del receptor DSS para más detalles.

Antena o Cable TV

Satellite

Parte trasera de la combinación de TV/VCR

IN IN

OUT

VHF/ UHF

Receptor DSS

For Your Information

51
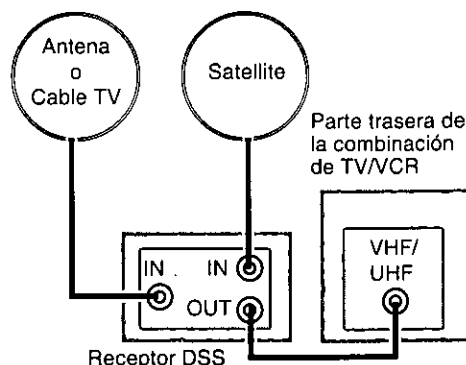
Para fijar el idioma, canal y reloj

1 Presione POWER para encender el videograbador combinado.

2

```
SELECT LANGUAGE
PUSH      CH ▲ :English
OPRIMIR CH ▼ :Español
APP.     VOL + :Français
```
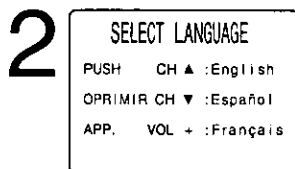
Seleccione el lenguaje.
CH : para inglés
CH : para español
VOL+: para francés

3

```
FIJACION AUTO. (CA/RELOJ)
CONECTE EL CABLE DE LA
ANTENA Y SI ESTA USANDO
UNA CAJA DE TV POR CABLE
SINTONICE AL CANAL PBS
DE SU LOCAL    LUEGO...
POR FAVOR OPRIMIR CH UP
```

Comience el ajuste automático de canales y el ajuste automático del reloj.
Presione CH ▲.

Las siguientes informaciones aparecerán seguidamente:
- AUTOPROGRAMACION EN PROCESO
- AUTOPROGRAMACION COMPLETO
- FIJACION AUTOMATICA DEL RELOJ EN PROCESO

(Caso 1)

```
6/7/2000 MIE 12:00PM
HORA VERANIEGA: ACT
CANAL FIJADO : CA 10
FIJACION AUTOMATICA
COMPLETO
TERMINAR : OPRIMIR CH UP
```
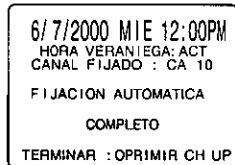
(Ajuste terminado)
Presione CH ▲ para salir.
• Si la hora exhibida no es la correcta para su zona, ajuste el reloj nuevamente de acuerdo con la sección "Ajuste de la zona horaria" en la siguiente página.

(Caso 2)

```
FIJACION AUTOMATICA DEL
RELOJ ES INCOMPLETO
OPRIMIR ACTION
PARA FIJAR EL RELOJ
```

(Ajuste sin terminar)

NOTA IMPORTANTE PARA AJUSTE AUTOMATICO DEL RELOJ
- El ajuste automático del reloj será realizado al volver a encender el videograbador combinado cada vez que lo apague. Si usa un decodificador de TV cable y desea que la función de ajuste automático del reloj funcione, el decodificador de TV cable debe quedar encendido y sintonizando el canal PBS en el momento en que se apaga el videograbador combinado.
- Si usa un sintonizador de TV satelital, para que funcione el ajuste automático del reloj, debe de estar apagado.
- Si usa un toma de audio/video para conectar el videograbador combinado y el decodificador de TV cable o el sintonizador de TV satelital, deberá también conectar el cable coaxial RF para poder usar las funciones de ajuste automático de reloj y ajuste automático de canal.
- Si por cualquier razón se cambiara la hora manualmente, no se podrá realizar la corrección automática de la hora.

(Caso 1) **Ajuste de la zona horaria.**

A Exhiba el MENU PRINCIPAL.
Presione ACTION.

B

```
MENU PRINCIPAL
[TV]  [VCR]  [IDIOMA]
[CANAL] [RELOJ] [SALIR]
ELEGIR:▲ ▼ ◄ ►
FIJAR :ACTION
```
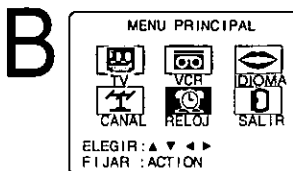
Exhiba la pantalla "FIJAR RELOJ."
1) Presione ▲▼◄► para seleccionar "RELOJ."
2) Presione ACTION para exhibirla.

C

```
FIJAR RELOJ
FIJACION AUTOMATICA
MANUAL
AJUSTE ZONA HORA : 0
ELEGIR:▲ ▼
FIJAR :◄ ►
TERMINAR:ACTION
```

Seleccione "AJUSTE ZONA HORA."
1) Presione ▲▼ para seleccionar.
2) Presione ◄► para ajustar.

D Final del ajuste.
Presione ACTION dos veces.
• El valor numérico ajustado aquí se vuelve "0" una vez que ajuste manualmente el reloj.

(Caso 2) **El ajuste del reloj es incompleto. Ajuste el reloj manualmente.**

a

```
FIJACION AUTOMATICA DEL
RELOJ ES INCOMPLETO
OPRIMIR ACTION
PARA FIJAR EL RELOJ
```
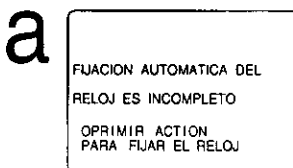
Exhiba la pantalla FIJAR RELOJ.
Presione ACTION para salir de este modo.

b

```
\|/  FIJAR RELOJ
--/---- --:--
/|\       VERANO:ACT
ELEGIR MES
ELEGIR:▲ ▼
FIJAR :►
TERMINAR:ACTION
```
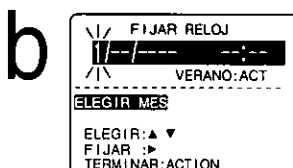
Ajuste el reloj manualmente.
1) Presione ▲▼ para seleccionar el mes.
2) Presione ► para ajustar.

• De la misma manera, ajuste el día, el año, la hora y la hora de ahorro de energía. (VERANO)

Para hacer correcciones, presione repetidamente ◄► para moverse hasta el error, luego corríjalo.

C Final del ajuste.
Presione dos veces ACTION.

Para fijar o fijar de nuevo el reloj

En caso de que el reloj es incorrecto o ha ocurrido un corte eléctrico.

1 Oprima ACTION para que parezca el MENU PRINCIPAL.

2 Oprima ▲▼◄► para elegir "RELOJ." Luego, oprima ACTION para que aparezca la pantalla de la FIJAR RELOJ.

3 Oprima ▲▼ para elegir "MANUAL," y luego ► para que aparezca la pantalla de la FIJAR RELOJ.

4 Por favor continue con los pasos **b** y **c** de la instrucción anterior (Caso 2.)

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 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 normal → 0:30 → 1:00
← 4:00 ← 3:00 ← 2:00 ← 1:30
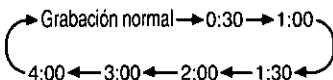
Grabación con temporizador

1 Exhiba FIJAR PROGRAMACION.
Presione PROG.

2
```
FIJAR PROGRAMACION

VCR Plus+
TEMPORIZADOR
ENCENDIDO AUTOMATICO

ELEGIR:▲ ▼
FIJAR :►
TERMINAR:PROG
```
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
```
FECHA INICIO PARADA CA
7 VIE --:-- --:-- --
HOY/|\
CATEGORIA:NO        SLP
-------------------------
ELEGIR FECHA DE INICIO
ELEGIR:▲ ▼
FIJAR :►
TERMINAR:PROG / ACTION
```
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

Fecha de hoy — 7   →8—9······31— 1 — 2······6→   ▲/▼ Orden para elegir   DIARIO
     SEMANAL   SEMANAL   SEMANAL
     (SAB)   ······   (LUN)   —   (DOM)

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, MÚSICA, DRAMA], velocidad (SP, LP, SLP)

4
```
FECHA INICIO PARADA CA
7 VIE 9:00P 12:00A 08
HOY                ABC
CATEGORIA:CINE      SP
-------------------------
FIJACION ES COMPLETO
PARA REGISTRAR NOTAS:▲
FIJAR :◄ ►
TERMINAR : PROG / ACTION
```
Haga las anotaciones necesarias.
- Si no fueran necesarias, vaya al paso 5.
1) Presione ▲ para hacerlas.
2) Presione ▲▼ para seleccionar.
- Los caracteres cambiarán en el siguiente orden.
3) Presione ► o ◄ para ajustar.
4) Presione PROG para finalizar.

→ A-B-C ····· Z- BLANCO - - -&→
← 9 ·····2-1-0-/-!←

5
```
P FE INIC PARADA CA VEL
1 DI 9:00p 12:00a 08 SP
2 -- --:-- --:-- -- --
3 -- --:-- --:-- -- --
4 -- --:-- --:-- -- --

CANCELAR : ADD/DLT
ELEGIR 1-8 : ▲ ▼
ENTRAR :►
TERMINAR: PROG / ACTION
```
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.

6 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.

53

Location of Controls

Remote Control Buttons

Light Tower™ Illuminated Remote Control

LIGHT button:
When the LIGHT button is pressed, the buttons which can be activated in the selected mode will light and the selected mode button (COMBO or DSS CABLE) will flash for 5 seconds. If no buttons are pressed within 5 seconds, the light will turn off in order to conserve battery power. Also, while holding down the buttons, the selected mode button will flash so you will be able to see, in the dark, which mode has been selected.

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.

EJECT
Page 12.

POWER
Page 8.

FM/TV
Page 34.

MUTE
Page 10.

CHANNEL UP/DOWN Page 10.
SELECT UP/DOWN Page 9.

ACTION
Page 46.

NUMBERED KEYS
Page 10.

REWIND/SEARCH
Page 12.

PAUSE/SLOW
Page 12.

CM SKIP
Page 24.

SLEEP
Page 21.

AUDIO
Page 11.

NITE
Page 10.

SPEED
Page 13.

COMBO
Page 42.

LIGHT
Page 54.

DSS CABLE
Page 42.

RAPID TUNE
Page 10.

VOLUME UP/DOWN Page 10.
SET/BACKSPACE Page 9.

PROGRAM Page 14.
VCR Plus+ Page 19.

TRACKING UP/DOWN
Page 12.

ADD/DELETE
Page 46.

PLAY
Page 12.

FAST FORWARD/SEARCH
Page 12.

ENTER DISPLAY
Page 47.

STOP
Page 12.

TAPE POSITION
Page 24.

REC
Page 13.

SEARCH
Page 24.

COUNTER RESET
Page 25.
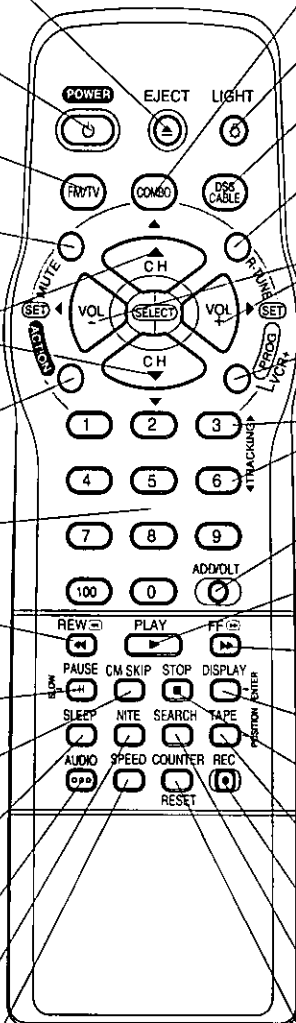
Front View of the unit and Indicators on the Front Panel

Model PV-C2060 unit is shown here.

REWIND/SEARCH Page 12.
ACTION Page 9.

STOP/EJECT Page 12.
ACTION Page 9.

CHANNEL UP/DOWN Page 10.
TRACKING UP/DOWN Page 12.
SELECT UP/DOWN Page 9.

VOLUME UP/DOWN
Page 10.

POWER
Page 8.

Audio/Video In Jack
Page 16.

Cassette Compartment
Page 12.

PLAY/REPEAT
Page 12.

FAST FORWARD/SEARCH
Page 12.

REC
Page 13.

TIMER/FM
Pages 21, 34.

Built-In Speaker(x2)

Phones Jack
Page 10.

<For Model PV-C2080 only>

REC Indicator
Lights during recording.
In Rec Pause or OTR
Pause mode, the
indicator flashes.
Page 13.

REC ON TIMER PROG TIMER

PROG TIMER Indicator
Lights when the unit is set for Timer
Recording. It flashes when a Timer
Recording has been set with no tape
inserted, the clock is not set, or the
tape is in motion.
Page 15.

Remote Sensor **ON TIMER Indicator**
Lights when the
On Timer is set.
Page 20.

Rear View of the unit

Model PV-C2080 unit is shown here.

Audio Output Connector(L/R)
<For Model PV-C2080 only>
—For connection to the audio
input connector of a
stereo amp.

AC Power Plug
When plugged into an AC
outlet, this unit consumes
4.5 W of electric power in
OFF condition.

**VHF/UHF Antenna
Input Terminal**
In from your Antenna
or Cable.
Page 7.

For Your Information

55

Warranty
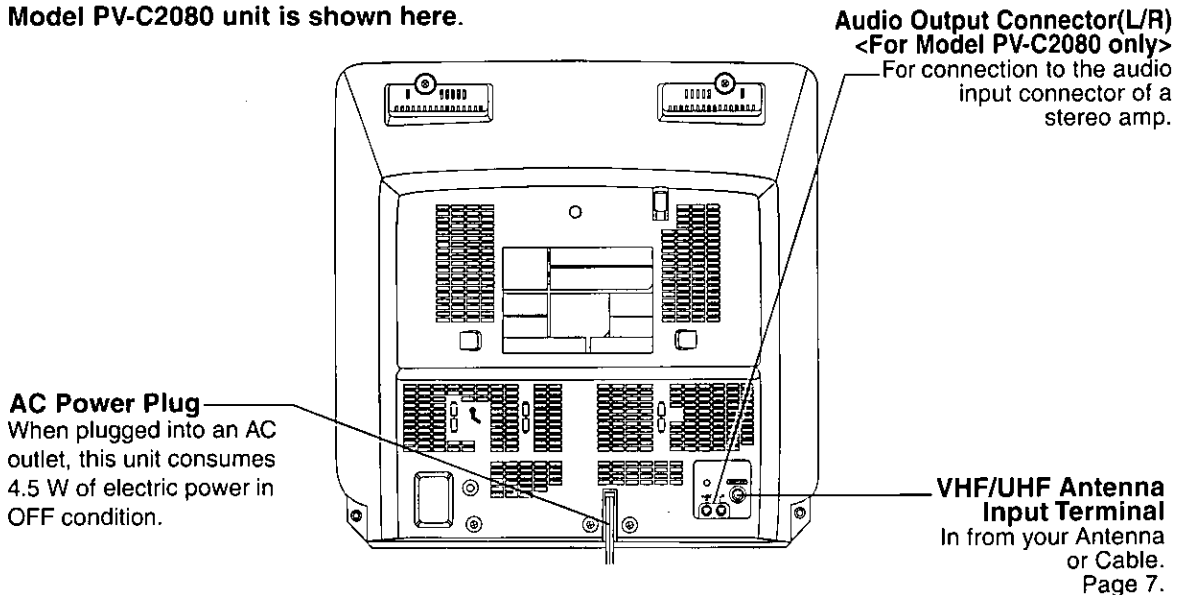
PANASONIC Video Products
Limited Warranty

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
CAMCORDER	ONE (1) YEAR, EXCEPT CCD IMAGE SENSOR CCD IMAGE SENSOR - SIX (6) MONTHS	NINETY (90) DAYS NINETY (90) DAYS
VCR	ONE (1) YEAR	NINETY (90) DAYS
A/V MIXER	ONE (1) YEAR	NINETY (90) DAYS
MONITOR-VCR	ONE (1) YEAR, EXCEPT CRT CRT - TWO (2) YEARS	NINETY (90) DAYS CRT - NINETY (90) DAYS CUSTOMER PAYS ALL LABOR CHARGES AFTER 90 DAYS

Monitor-VCR In-home or carry-in Service: 22" (diagonal) CRT / LCD and Larger
Monitor-VCR Carry-in Service: 21" (diagonal) CRT / LCD and smaller

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 1-800-211-PANA (7262), 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 requires 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 TAPES) 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 Customer Satisfaction Center 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.
warvid 10/20/99