

# **Panasonic**

**Combination VCR Operating Instructions** 

Models No. PV-C1321 / PV-C1331W PV-C1341 / PV-C1351W



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



Acres ENGLAN STAR Description Marson de la Electric Comportation of America has determined that the product or product model MONTH THE ENERGY STAFF Carlo Ca

Please read those instructions carefully before attempting to connect. operate, or adjust this product. Please save this margial. Spanieh Quck Use Guida is included. (Guia para rápida consulta en español está incluida.)

# **Important Safeguards and Precautions**

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

#### INSTALLATION

#### 1 POWER SOURCE CAUTION

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

#### 2 POWER CORD PLUG

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

#### POLARIZED PLUG CAUTION:

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

#### GROUNDING PLUG CAUTION:

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

#### 3 POWER CORD

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

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

#### 4 DO NOT BLOCK VENTILATION HOLES

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

For your protection:

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

## 5 AVOID EXTREMELY HOT LOCATIONS OR SUDDEN TEMPERATURE CHANGES

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

#### 6 TO AVOID PERSONAL INJURY

- Never place unit on support or stand that is not firm, level, and adequately strong.
  The unit could fall causing senous 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**

#### I 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

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 bught out of storage or moved to a new local

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.

## 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 **WIS** 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.



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





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.

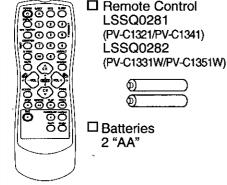
## belore Using

## 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.

<b>/</b> -
Date of Purchase
Dealer Purchased From
Dealer Address
Dealer Phone No.
Model No
Serial No.

## Accessories



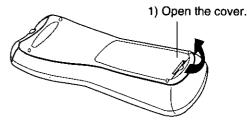
To order accessories, call toll free 1-800-332-5368.

## **SELF-DEMO Mode**

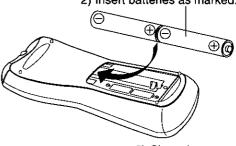
With Power ON, press PLAY/REPEAT on the unit for 7 seconds to deactivate the SELF-DEMO Mode.

Repeat this to display demo screen.

## **Loading the Batteries**



2) Insert batteries as marked.



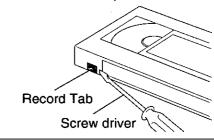
Close the cover.

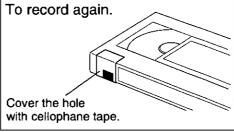
#### ☐ Battery replacement caution

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

### **Prevent Accidental Tape Erasure**

Break off the tab to protect.





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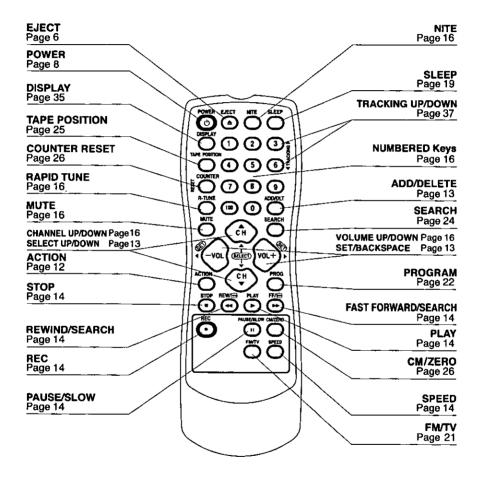
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## Location of Controls

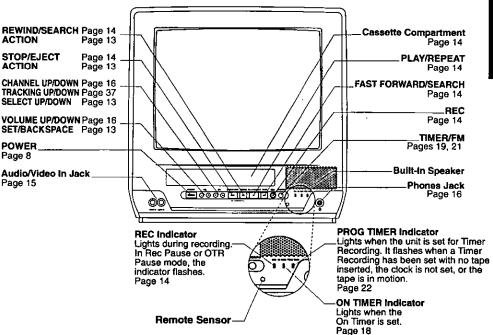
## **Remote Control Buttons**

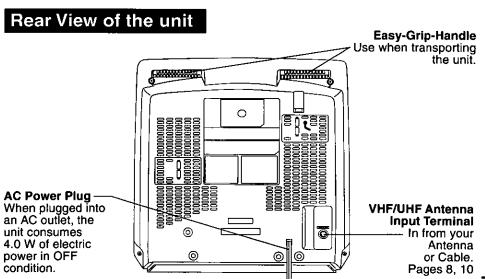
#### **EJECT button:**

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



## Front View of the unit and Indicators on the Front Panel

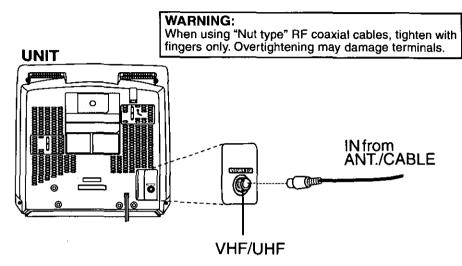




## initial Setup for ANI./ Cable Connection

### **How to Connect**

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



## How to do Initial Setup

- Press POWER on the remote or unit.
- When the unit is turns on the first time, SELECT LANGUAGE screen appears.



 If wrong language is set, complete "Reset all unit Memory Functions" steps page 9. Press CH ▲ to select English.
OR
Press CH ▼ to select Spanish
(Español).

OR
Press VOL + to select French
(Français).

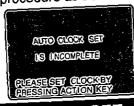
CHANNEL/CLOCK AUTO SET screen appears.



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



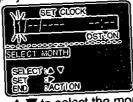
If AUTO CLOCK SET IS INCOMPLETE screen appears, set the clock using MANUAL CLOCK SET procedure as below.



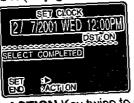
## MANUAL CLOCK SET

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

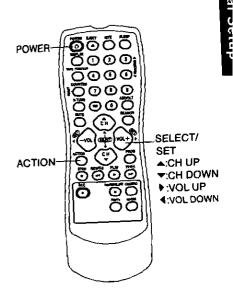
Press ACTION Key on the Remote to display SET CLOCK Menu screen.



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



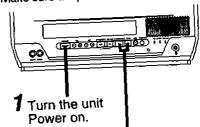
Press ACTION Key twice to start CLOCK and exit.



## Reset all unit Memory Functions

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

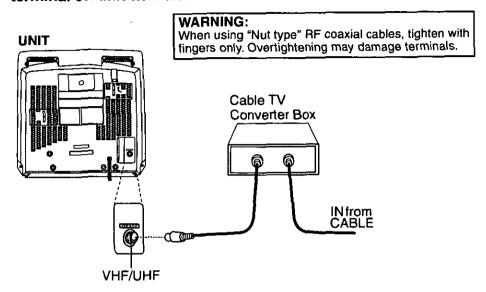
Make sure a tape is not inserted in the uni



- Press and hold both PLAY and FF on the unit for more than 5 seconds.
  - The power will shut off.
  - Please ignore NO CASSETTE warning.
- 3 Do "Initial Setup" on page 8.

### **How to Connect**

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



## How to do Initial Setup

Press POWER on the remote or unit.

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



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

Press CH ▼ to select Spanish (Español).

OR

**Press VOL** + to select French (Français).

CHANNEL/CLOCK AUTO SET screen appears.



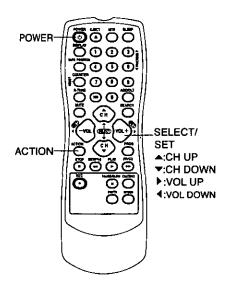
 If wrong language is set, complete "Reset all unit Memory Functions" steps page 9. 4

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



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





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.



**Press ACTION** to display MAIN MENU.

Language Press ▲▼◀▶ to select language icon.



2) Press ACTION repeatedly.





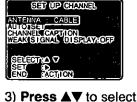
For French



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

Channels 1) Press **▲▼**◀▶ to





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

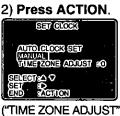
press . After Channel Auto Set

"AUTO SET," then

is finished, Clock Auto Set will be performed.

Clock 1) Press **▲▼**◀▶ to





appears only when

auto clock is set.)

Press ▲▼ to select "MANUAL" or "AUTO CLOCK SET" and press select "AUTO CLOCK



press **▼** to select and set the month, date, year, time, and DST

(Daylight Saving Time). 5) Press ACTION twice to start the

clock and exit this

exit.

### ■ Time Zone Adjust

(Only when Auto Clock is set.)

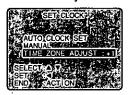
1) Press ▲▼◀▶ to select "CLOCK."



#### 2) Press ACTION.

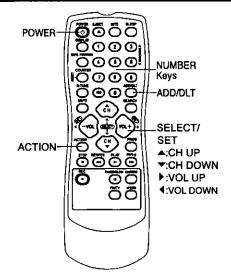


3) Press ▲▼ to select TIME ZONE ADJUST and press ◀ or ▶ to subtract or add hour(s) as necessary.



## 4) Press ACTION twice to exit.

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



## ACTION key on the unit



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

### Using **▲▼**◀▶ keys



On Unit

A: CH UP

▼ : CH DOWN

►: VOLUME UP

**◄: VOLUME DOWN** 

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

OI II)

### Add or Delete a Channel

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



To delete channel:
Select channel with CH

▲▼ or number keys and
press ADD/DLT.



## Playback a lape Record On a lape

## Ready Check List

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



Insert a cassette.

 The unit power comes on automatically.

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



Press PLAY.

 Playback begins if cassette has no record tab.

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

Notes

- These features work best in SP or SLP mode (models PV-C1341/PV-C1351W) and SLP mode (models PV-C1321/PV-C1331W).
- After the unit is in Still or Slow mode for 3 minutes, it will switch to Stop mode automatically to protect the tape and the video head.
- Stop → Press STOP
  - Rewind tape → Press REW in Stop mode
- Fast forward tape → Press FF in Stop mode
- Eject tape → Press EJECT on the remote or STOP/EJECT on the unit

Insert a cassette. PLAY

PLAY

REC

Press to stop and/or REC Indicator eject tape.

Insert a cassette with record tab.

• The unit power comes on automatically.

Press CH ▲▼ or number keys to Select Channel.

For "LINE" input, see bottom of next page.

Press SPEED to select recording speed (see page 37).
SP = Standard Play

LP = Long Play

SLP = Super Long Play

Selected speed is displayed.

Press REC to start recording.
 To edit out unwanted portions, press PAUSE/SLOW to pause and resume recording.

 You cannot view another channel during recording.

■ Stop → Press STOP

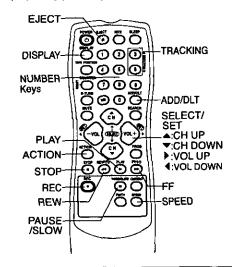
Press REC repeatedly to set the recording length (30 min - 4 hours.)

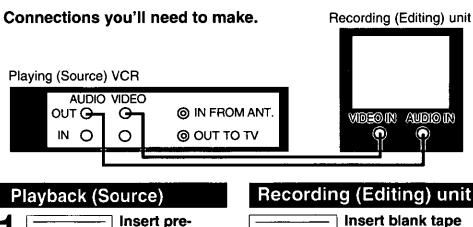
The unit stops recording at a preset time.
PROG TIMER indicator lights on the unit.

Notes

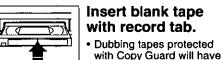
 After the unit has been in Rec Pause mode for 5 minutes, it will stop automatically to protect the tape and the video head.

 The remaining recording time of an OTR can be displayed by pressing DISPLAY.





Our Vacation



Select "LINE" mode. See "Selecting Input Mode" below.

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



PAUSE/SLOW immediately to put in Standby mode.

poor quality results.

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

Press PLAY to start dubbing. PLAY

recorded tape.



Press PAUSE/SLOW to start dubbing.

Press STOP to stop dubbing.



**Press STOP** to stop dubbing.

## **Selecting Input Mode**

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

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

infringement.

Method 2: a Press ACTION for MAIN MENU.

1++2++3+ +LINE <

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.

## IV Operation

Press POWER on the remote or unit.



Use CH ▲♥ or number keys to select a channel.



Press VOL + or VOL - to adjust volume.

## NIGHT (NITE) Mode

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



Press NITE to set NIGHT mode.

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

#### Press NITE to cancel.

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

## ■ Using the 100 key

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

#### ■ Rapid Tune

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

#### **■** Audio Mute

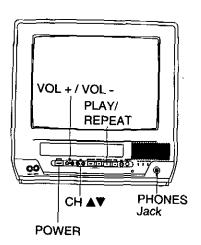
Press MUTE to instantly mute the sound. Press again to restore the previous sound level.

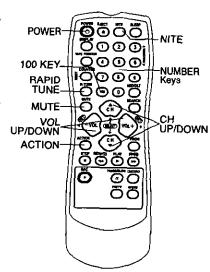
#### **■** Phones

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

## Ready Check List

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





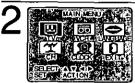
## Closed Caption System

### Closed Caption is ...

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

## **Closed Caption Mode Feature**

Press ACTION to display MAIN MENU.



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



- Press ▲▼ to select "CAPTION".
- 2) Press ➤ to display CAPTION screen.



- 1) Press ▲♥ to select CAPTION MODE.
  2) Press ▶
- repeatedly to select mode. (See left.)
- 5 Press ACTION three times to return to the normal screen.

## 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 Mode Selections**

Caption Mode: CAP C1 or C2

A narration of selected TV programs is displayed.

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

Caption Mode: TEXT C1 or C2

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

Caption Mode: OFF

Closed Caption /Text narration will not be displayed.

NOTE: The closed caption or text signal may be broadcast over C1, C2, or both. Also, text contents can vary so you may wish to try different settings.

## **Caption On Mute Feature**

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

## Press ACTION

to display MAIN MENU.



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



- Press ▲▼ to select "CAPTION"
- Press ► to display CAPTION screen.



- Press ▲▼ to select CAPTION MODE.
- 2) Press ► repeatedly to select "OFF."



- 1) Press ▲▼ to select CC ON MUTE.
- 2) Press ► repeatedly to select desired mode.
- CAP C2
- Each press of will change the display as shown at left.
   The caption may be

broadcast over CAP

- Press ACTION three times to return to the normal screen.
- Press MUTE to mute the sound and display closed captioning.
  - To cancel, press MUTE again.

### 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 Press PROG

to display SET PROGRAM screen.

EST FROGRAM DE CONTINUES DE SESTION DE SESTI

- 1) Press ▲▼ to select "ON TIMER."
- Press ➤ to display ON TIMER screen.
- 3 CONTINUE COLOR

ON-TIMER mode

selection order

- Press ▲▼ to select desired settings.
- 2) Press ➤ to set the ON-TIMER TIME or ON-TIMER mode.
- Make sure a tape is inserted if Playback mode is selected.
- See "FM Radio" on page 21 for instructions on how to preset FM stations.

CH02—CH03----CH125— CH01 PLAY FM9—FM8----FM1

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

G: (00AM CH08)

ACT OF ACT OF

ON THMER

When "ON" is selected,

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

To Make Corrections,

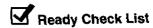
use ▲▼ and ⋖► to move back and correct.

5 Press PROG to set ON TIMER.

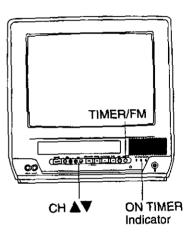
"ON TIMER lindicator lights on the unit.

#### 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" briefly appears on-screen.

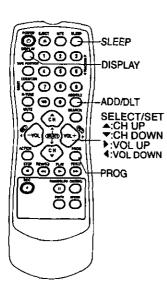


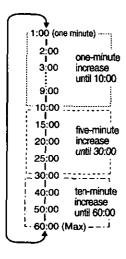
☐ The clock is set to correct time.



#### 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.





#### Note

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

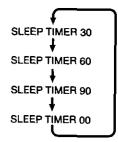
### **SLEEP TIMER**

This unit can be set for auto power off.

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

 Pressing DISPLAY with sleep timer set displays remaining time.

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



### **INSTANT ALARM**

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

Press TIMER/FM on the unit to display the instant alarm CANCEL/SET screen.



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

 Pressing TIMER/FM repeatedly on the unit will change display as follows.



To cancel, press TIMER/FM then press ADD/DLT on the remote while CANCEL/SET screen is displayed.

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

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

# 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.

### Picture Adjustinent

- Press ACTION to display MAIN MENU.
- 1) Press ▲▼◀► to select "TV."
- Press ACTION to display SET UP TV screen.
- SET UP WO LOCAL CAPTION CAPT
- Press ▲▼ to select VIDEO ADJUST.
- 2) Press ► to display screen.
- 4 COO TO THE SAME OF THE SAME
- Press ▲▼ to select an adjustment item. (See below right.)
- 2) Press ◀▶ to adjust.

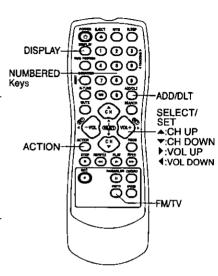


To Reset Picture Controls.

Press ▲▼ and ► to select and set "NORMAL."

All controls return to their factory settings.

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



### **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.

#### FM Radio is ...

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

## FM Radio Setup

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



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

1) Press CH ▲▼

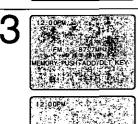
to select the desired radio

station. (Each

press changes

frequency 200 kHz.)

to set the radio



FM 1 87 70Hz

MEMORIZED

2) Press ADD/DLT

station. Hold down CH ▲ or for a few seconds. then release to quickly scan for FM

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

stations in your area.

#### To Make Corrections, select station with a number key, then do step

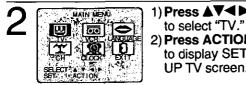
3 again.

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

## **FM ANTENNA Setup**

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

Press ACTION to display MAIN MENU.



- to select "TV." 2) Press ACTION
  - to display SET UP TV screen.

- - I For cable TV users → "INT"
  - For antenna users → "EXT"
- 1) Press ▲▼ to select FM antenna. Press ► to select "INT (INTERNAL)" or EXT (EXTERNAL)" whichever sounds the

best.

Press a

Press ACTION twice to end setup.

## Using FM Radio

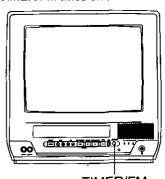
Press FM/TV on the remote or press TIMER/FM twice on the unit to display FM radio mode.



number kev (1~9) to select a preset FM number (see steps 2 and

3 on this page).

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



TIMER/FM

#### Notes

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

## limer recording

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

Press PROG to display SET PROGRAM screen.

SET CHOSENM

TIMES PROGRAMMING

CNULEN

SEEDING OF

SEEDING

SEEDING OF

SEEDI

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

SATEM START STOP CH 7 FRI --:-- --TODATA CATEGORYANIA SUP SELECT START DATE ISLECTED V SET OF SECONACTION

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

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



#### 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)



Press PROG (or ACTION) to end the program.

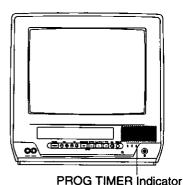
To Enter More Programs
Press ▲▼ to select and
▶ to set a blank program
number, and then repeat
step 3.

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

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

## Ready Check List

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



## Timer Recording Using unit Buttons

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

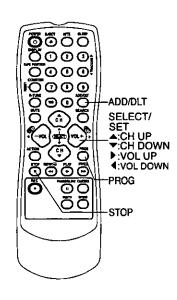


- ¶ Press STOP/EJECT and REW together without a tape inserted to display MAIN MENU.
- Press ▲▼ + to select "VCR" and STOP/EJECT and REW together to display SET UP VCR screen.
- ③ Press ▲▼ to select "TIMER PROGRAM" and + to display the TIMER PROGRAM screen.
- 4 Repeat main steps 3 ~ 5.

#### **Cancel a Timer Recording:** (Recording is in progress)

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

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



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

Repeat steps 1 and 2 on page 22.



Press AV to select the desired program.

## To Replace program...



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

### To Clear program...



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

#### Notes

- 2 minutes before Timer recording is performed, "PLEASE PREPARE FOR TIMER REC" appears and/or the PROG TIMER Indicator flashes. Be sure a cassette with record tab is loaded and the unit is in Stop mode.
- · If the start times of two programs overlap, the lower numbered program will have priority.
- . If the start time for a Timer Recording comes up during a normal recording or One Touch Recording (page 14), the Timer Recording will not be performed.
- If there is a power interruption of more than one minute, the recording may not be performed or continued.
- If "INCOMPLETE" appears after all items have been set, check all entries and make necessary corrections.

23

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

### **Index Search**

Go directly to the desired recording.



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



Press number keys to select the

recording number.

To calculate number, see below.



Press FF or REW to start search.

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

## ■ To calculate the Index Number

Example 1:

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



### Example 2:

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



NOTE: † indicates start points of each recording.

### Notes

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

## **Program End Search**

Locates end point of recording for continuity.

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



Press FF to start search.

Example of Program End Search operation.

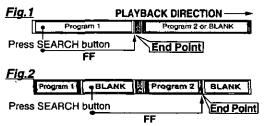
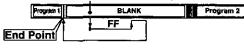


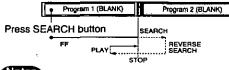
Fig.3 If search exceeds a few seconds in BLANK area.

Press SEARCH button



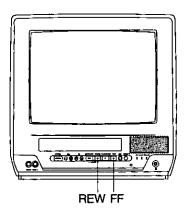
### Upon locating end point...

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



#### Notes

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



### 

### **Auto Operation Functions**

■ Auto Shut Off

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

→ Power turns off

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

■ Auto Playback

Insert a tape in Power off mode

→ Power turns on

Playback begins if tape has no record tab.

Auto Rewind

Tape reaches its end

→ Rewind, → Stop

Playback Auto Eject (Repeat Play is "OFF")
 Tape with no record tab reaches its end
 → Rewind, → Stop, → Eject

## **Tape Position Display**

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

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

Press TAPE POSITION to detect current tape position.



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



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

 Tape remaining time display may not be precise.

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

#### Note

 This function cannot display exact amount of tape remaining for tapes under 30 minutes or tapes over 120 minutes.

## Tape Operation (continued)

## Repeat Play

Set to see a recording over and over.

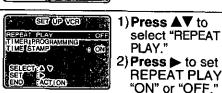
Press ACTION

to display MAIN MENU.



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

UP VCR screen.



Press ACTION twice to end setup.

## Zero Search

To quickly return to a specific tape counter location.

Press DISPLAY during playback to display the Counter.



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

Gontinue playback, rewind, or fast forward.

4 Press STOP.



Press CM/ZERO in stop mode to start ZERO SEARCH.

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

## Commercial Skip

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

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

OFF

1st Press → 1 min Skip

2nd Press → 2 min Skip

3rd Press → 3 min Skip

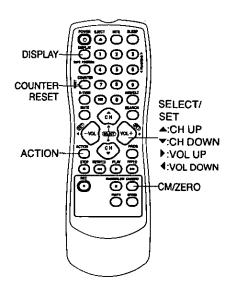
#### Repeat Play Notes

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

#### Zero Search Note

 If a blank portion exists on the tape, anddepending on the position of the V mark, the V mark display may be out of position.

## VCR Features



REC

## Weak Signal Display ON/OFF

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

**Press ACTION** to display MAIN MENU.



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



- Press ▲▼ to select WEAK SIGNAL DISPLAY.
- 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.

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

### VCR Lock

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



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

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

 VCR Lock is canceled automatically after about 24 hours if clock is set.

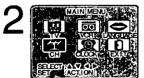




## Special VCR Features (continued)

## **Preset Caption**

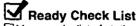
Press ACTION to display MAIN MENU.



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

Channel Caption is ...

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



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



- 1) Press ▲▼ to select CHANNEL CAPTION.
- Press ► to display screen.
- 4 CHANGE CAPTION PROBLEMS CAPTION SELECTION SE
  - Press ▲▼ to select PRESET CAPTION.
  - 2) Press ➤ to display screen.
  - To create your own captions, go to "Manual Caption" on page 29.
- 5 ASS CAPTION CAPTION
  - 1) Press ▲▼ to select a station.
  - Press ► to move cursor to the right.
  - Press ▲▼ to select channel number.
  - PRESET CAPTION

    ANTI CP CEC OF

    TOTAL

    TOTAL
    - Press 

      to set preset captions.
    - Repeat step 5 until the Caption List is complete.

#### To Make Corrections

Press ▲▼, then ► to select channel number.

Press ▲▼ to change, or ADD/DLT to delete.

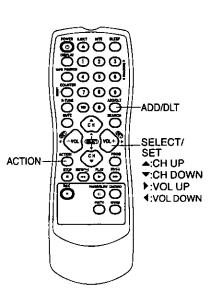
6 Press ACTION four times to end setup.

## **Manual Caption**

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



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



- MANUAL CAPTION
  CH NUMBER 1 CAPTION
  COZ
  SELECT A V
  SET
  END ACTION
- Press ▲▼ to select CH NUMBER.
- 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.
- MANUAL CAPTION
  CH NUMBER CAPTION
  OZ G--CLEAR ADD/OLT
  SELECTIA --SET 4 6
  END ACTION
- Press ▲▼ to select and ► to enter your caption.
- 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.

Press ACTION four times to end setup.

## **Special VCH realures (continued)**

**Ready Check List** 

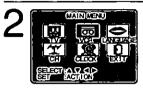
□ The record tab is in place.

□ The clock is set to correct time.

## Time Stamp Feature

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

Press ACTION to display MAIN MENU.



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

UP VCR screen.

- SEF UP VOR
  REPAIR FLAY
  MERIPAGE ANNUMA
  1 INVESTAMP

  SELECTION
  SELECTION

  SELECTION

  SELECTION

  SELECTION

  CONTROL

  CONTROL

  SELECTION

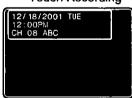
  CONTROL

  CON
- 1) Press ▲▼ to select TIME STAMP.
  - Press ► to set "ON" or "OFF."
- When "OFF" is selected, the program data is written on the tape, but will not be displayed.

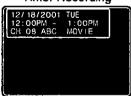
4 Press ACTION twice to return to normal screen.

### <Time Stamp Example >

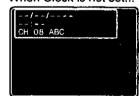
Normal/One Touch Recording

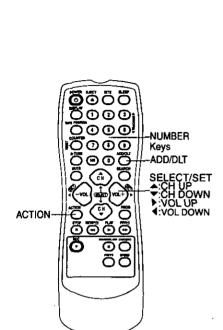


Timer Recording



When Clock is not set...





**Process of V-Chip Control Feature** 

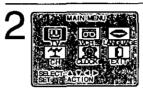
Enter Code ⇒ Setup ⇒ Blocking

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

## Enter Secret Code

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

Press ACTION to display MAIN MENU.



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



- Press ▲▼ to select LOCK. Press ► to display screen.
- keys to enter your secret code. 2) Enter same code again for confirmation.

Step 2) not necessary

1) Press number

- To Make Corrections Press 

  repeatedly to move the cursor. Press number keys to make the correction.
- when changing rating or secret code. Take care that you are not observed entering the secret code.



Ratings menu (see pages 32, 33).

Press ► to display US

## Notes

new code.

DO NOT forget your secret code.

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

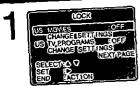
· Once ratings are set, restricted tapes or programs cannot be accessed unless the secret code is entered.

Or Press ACTION three times to exit.

# V-Chip Control Feature (continued)

If LOCK menu is not displayed, do "Enter Secret Code" steps on page 31.

# Setup US MOVIES Ratings



- 1) Press ▲▼ to select US MOVIES.
- 2) Press ➤ to set "ON" or "OFF."
- "ON" → V-Chip Control is activated.
- "OFF" → V-Chip Control is deactivated.

#### Note

- "NEXT PAGE" displays CANADIAN V-Chip setting menu. Not necessary except when viewing Canadian tapes or broadcasts.
- 1) Press ▲▼ to select CHANGE SETTINGS. 2) Press ▶ to display

screen.

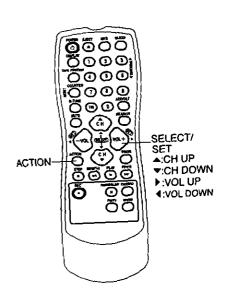
- 1) Press ▲▼ to select
- UNLOCKED CONTAINS NO RATING SELECTED VISE OF END RACIAON
- VIEW NR PROGRAMS?. 2) Press ➤ to set "YES" or "NO."

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



- 1) Press ▲▼ to select and ▶ to set ratings to be blocked. (See ratings chart right.)
- Press ACTION to redisplay LOCK menu and continue with US TV PROGRAMS Ratings Setup (next page). Or, press ACTION four times to exit.

Process of V-Chip Control Feature Enter Code > Setup > Blocking



### US MOVIES RATINGS

1		
ſ	G \	GENERAL AUDIENCE:
ı	- 1	Nii agas admitted.
1	1	All ages admitted
١	PG	PARENTAL GUIDANCE: Some material may not be suitable
	, u	Como material may not be suitable
		Some material may
	\ '	children.
		DADENTS CAUTIONED:
	PG-13	PARENTS CAUTIONED:

for

Some material may be inappropriate for children under 13. RESTRICTED: R

Children under 17 must be accompanied by a parent or adult.

OVER AGE 17 ONLY: NC-17 No one 17 and under admitted. ADULTS ONLY:

#### If LOCK menu is not displayed, do "Enter Secret Code" steps on page 31.

### Setup US TV PROGRAMS Ratings



- 1) Press **▲▼** to select US TV PROGRAMS.
- Press ➤ to set "ON" or "OFF."
- "ON" → V-Chip Control is activated.
- "OFF" → V-Chip Control is deactivated.

#### Note

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



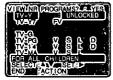
- Press ▲▼ to select CHANGE SETTINGS.
- Press ➤ to display screen.



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

NR (Not Rated) PROGRAMS

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



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

Note

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

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

## **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.

Sexually Suggestive Dialogue

#### US TV PROGRAMS RATINGS: Chart 2

FV Fantasy Violence ٧ Violence S Sexual Situations L Adult Language

D

(chart 2).

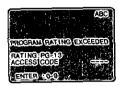
## V-Chip Control Feature (continued)

Process of V-Chip Control Feature

Enter Code ⇔ Setup ⇒ Blocking

## **Blocking Message**

<When V-Chip Control is activated>

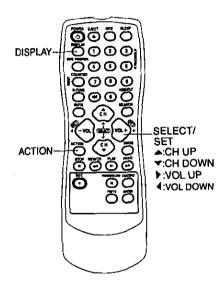


 If a program or movie exceeds the ratings you have set, a message will appear on a black background and sound is muted.

To View a Blocked Program / Movie [Temporarily Deactivate V-Chip Control] Enter your secret code (ACCESS CODE) in the Blocking Message screen.

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

[Deactivate V-Chip Control]
Enter your secret code (steps 1-4 page 31).
Then, set US MOVIES and/or US TV
PROGRAMS to "OFF" using ▲▼ and ▶ keys.
(Ratings set on pages 32 and 33 and retained and will be in effect when V-Chip Control is activated again.)

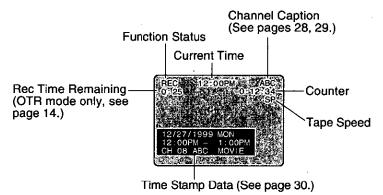


## On-Screen Display (OSD)

## **VCR Status & Clock Display**

#### **Press DISPLAY**

to display or remove the overlay.

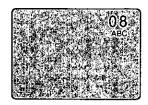


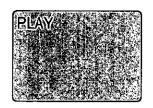
## Blue Screen Display

Whenever a blank section of a tape comes up in Play mode, or when the selected channel has no broadcast signal with the Weak Signal Display set to "OFF" (see page 27), the screen will turn solid blue.

### **Channel & Function Display**

When a function button is pressed (PLAY, FF, etc.) or you change channels, the unit mode or channel number will be displayed. (Some station names may also appear if Channel Caption is set. See pages 28, 29.)





## warning and instruction Displays

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

OSD	Caution	Page
NOCHFOUNDRIEASECHECK ANTENNACABLECONNECTION/THEN RUSHICHUPKEY/AGAIN	If no active channels are found for CHANNEL MEMORY	8 - 11
PLEASESET/CLOCKBEFORE PROGRAMMING	If you attempt to set or review a Timer Recording, or set the On-Timer and the Clock is not set	8 - 13
CHECKCASSETTERECORDITAB	• If you press REC, and a cassette is inserted with no record tab	4, 14
TOGANGELTIMERIREOHOLDOOWN STOPKEVFORAPPROXOSEO	If you press STOP during a Timer Recording	23
NO CASSETTE RLEASEINSERT/A CASSETTE	If you press PLAY, FF, REW, or REC without a cassette inserted	14
RVEASERREPARE FOR TIMER REG	If the unit is not in Stop mode or a cassette with record tab is not inserted two minutes before a Timer Recording is about to begin	22, 23
VIDEO HEADS MAY NEED CLEANING PLEASEINSERT HEAD CLEANING CASSETTE OR REFERTO MANUAL ENDERLAY KEY	If head cleaning becomes necessary while playing back a tape	37
VCRLOCKACHYATED	If you press a function button other than STOP/EJECT or POWER while the unit is in VCR Lock mode	27

#### 

### **Head Cleaning**

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

#### **Head Clog Sensor**

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

- Use "dry" type head cleaning cassette only. (Part No. NV-TCL30PT is recommended.)
- Follow cleaning tape directions carefully.
   Excessive use of head cleaning tape can shorten the video head life.
- If head clog symptoms persist, contact your nearest Factory Service Center or authorized Service Center. (See Page 39.)



## **DST (Daylight Saving Time)**

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

■ Spring (First Sunday in April)

DST : ON → Sets clock ahead one hour.

■ Autumn (Last Sunday in October)

DST : ON → Turns clock back one hour.

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

## Record/Playback Time

Only use tapes with the WHS mark in this unit.

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

### **Specifications**

Display

Picture Tube: 13 inch measured

diagonal 90° deflection Picture Tube

7 1010

VCR

Video Recording System: 2 rotary heads helical

scanning system (PV-C1321/PV-C1331W) 4 rotary heads helical scanning system

(PV-C1341/PV-C1351W) 1 track

Audio Track:

Tuner

Broadcast Channels: CABLE Channels: VHF 2 ~ 13, UHF 14 ~ 69 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

General

Power Source: 120 V AC, 60 Hz Power Consumption: Approx. 69 watts (Power on)

Approx. 4.0 watts (Power off)
EIA Standard NTSC color

Television System: EIA Stand Speaker: 1 piece

Operating Temperature: 5 ℃ ~ 40 ℃ (41 ℉ ~ 104 ℉)
Operating Humidity: 10 % ~ 75 %

Operating Humidity: 10 % ~ 75 %

Weight: 12 Kg (26.4 lbs.)

Dimensions: 386 (W) X 385 (H) X

374 (D) mm 15-3/16" (W) X 15-3/16" (H) X 14-3/4" (D)

X 14-3/4" (D)

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

## Features for a Quality Picture

Digital Auto Tracking

Continuously analyzes the signal and adjusts for optimum picture quality.

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

V-Lock Control

<For mode! PV-C1341/PV-C1351W only> In Still mode, the 3 or 6 number key on the remote control or CH ▲▼ on the unit operate as a V-Lock control to reduce jitter. Check the following points once again if you are having trouble with your unit. Correction Power No power... Completely insert Power Plug into an AC outlet. Set POWER button to ON. Correction Monitor Make sure your antenna system (TV or CABLE), is correctly set. (P. 8-11) No picture or sound... 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 SÉT UP TV menu. (P. 20) Adjust VOLUME control. (P. 16) Poor sound with normal picture... Adjust SHARPNESS and PICTURE controls in the SET UP TV menu. (P. 20). Poor TV reception... No color or poor color... Adjust TINT and COLOR controls in the SET UP TV menu. (P. 20). Ghost (multiple) images... Install a directional antenna. TV programs cannot be watched... Make sure the selected channel is in unit's memory. (P. 12-13) Channel cannot be selected... Only the channel being recorded can be viewed on this unit.  $\mathsf{VCR}$ Correction TV program cannot be recorded... Make sure your antenna system (TV or CABLE), is correctly set. (P. 8-11) Make sure cassette record tab is intact. (P.4) Check that clock is set to current time and date. Timer recording cannot be performed... Make sure DSS/CABLE box (if used) is left on and tuned to channel to be recorded. Set recording Start/Stop times correctly. (P. 22-23) 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 Adjust TRACKING control in either direction. (P. 37) picture is noisy or contains streaks... Try Head Cleaning, (P. 37) VCR cannot be controlled... Make sure VCR LOCK is set to off. (P. 27) 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. 7) so that signal is unobstructed. Inspect the remote batteries. (P. 4) Make sure VCR LOCK is set to off. (P. 27) Exposing unit remote sensor to direct fluorescent or outdoor light may cause signal interference. ACTION, PROG and FM/TV Check remote batteries. buttons cannot be selected... **Miscellaneous** Correction Video cassette cannot be Insert the cassette window side up; record tab facing you. inserted... Video cassette cannot be Completely insert Power Plug into an AC outlet. removed... Tape cannot be ejected or Try ejecting or inserting the tape again after turning POWER off, then inserted... back on. Video cassette ejects when a Make sure cassette record tab is intact. (P. 4) recording is started, or the power is turned off for timer recording... In Stop mode, the VCR motor To enable Quick Play mechanism, the VCR cylinder will rotate for (CYLINDER) continues to rotate... about 3 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. 27) 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 assistance, please call: 1-800-211-PANA(7262) or send e-mail to: consumerproducts@panasonic.com

#### Service Center List

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

Web Site: http://www.panasonic.com You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

#### Accessory Purchases:

1-800-332-5368 (Customer Orders Only) Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032 (6 am to 5 pm Monday - Friday; 6 am to 10:30 am Saturday; PST) (Visa, MasterCard, Discover Card, American Express, Check)

#### **Factory Servicenters Locations**

CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630

800 Dubuque Avenue S. San Francisco. CA 94080

20201 Sherman Way Suite 102 Canoga Park, CA 91306

3878 Ruffin Road Suite A San Diego, CA 92123 62 Mountain Road

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

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

#### **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 Ėах (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

## Spanish Quick Use Guide/Guia para rapida consulta

## Como realizar la Configuración Inicial

Presione POWER en el control remoto o en la unidad.

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

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

GONEGTE EN CARE DE LA ANTENA Y SI ESTA USANDO UNA CANA DE INTO A CANA PES DE SULCICAS LUEGOS.

POR FAVOR OPRIMIR CHUP

Presione CH ▲ para seleccionar Inglés (English).

Presione CH ▼ para seleccionar Español.

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

MARCOL IM 12007)
CONTROL OF THE CONTROL AUTOMATICA
CONTROL
TERMINE CONTROL
TERMINE CONTROL
TERMINE CONTROL
TERMINE

Presione la tecla CH

▲ para iniciar el
funcionamiento de
CHANNEL / CLOCK
AUTO SET. El ajuste
del CHANNEL /
CLOCK se lleva a cabo
automáticamente, si la

configuración se ha

terminado, se visualiza



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

página 9.

## Ajuste Manual del Reloj

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

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

## Ajustar de nuevo el reloj

Presione ACTION para exhiba el menú.



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



Presione ▲▼ para seleccionar "MANUAL" y luego presione ▶.



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

Presione ACTION dos veces para <u>que</u> el reloj comience a funcionar y salir desde este modo.

### Operaciones básicas para la reproducción

inserte un casete.

 El videograbador combinado se enciende automáticamente.

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 PAÜSE/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

Inserte un casete con la lengüeta para prevención de grabado.

 El videograbador combinado se enciende automáticamente.

Seleccione el canal. Presione CH ▲▼ o las teclas numéricas correspondiente.

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.

Comience la grabación. Presione REC.

 Para editar partes no deseadas de una grabación, presione PAUSE/SLOW para hacer una pausa durante la grabación.

No podrá ver otro canal durante la grabación.

■ Para parar → Presione STOP.

El videograbador combinado deja de grabar a una hora prefijada. (Grabación de un toque)

Presione REC repetidamente para ajustar la hora de grabación (30 min → Grabación normal → 0:30 → 1:00 ~

- 4 horas.)

4:00 - 3:00 - 2:00 - 1:30 -

## Grabación con temporizador

Exhiba FIJAR PROGRAMACION. Presione 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.



#### Ajuste la fecha de grabación.

 Presione ▲▼ para seleccionar.

 Presione ➤ o ◀ para ajustar.

1 - 31 = Grabación única

DIARIO = a la misma hora de lunes a viernes

 SEMANAL ≈ a la misma hora una vez a la semana



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



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.

#### 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.

## \_imited warranty

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America, One Panasonic Way Secaucus, New Jersey 07094 Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. AVE. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park Carolina, Puerto Rico 00985

# PANASONIC Video Products Limited Warranty

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

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

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

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

This warranty is extended only to the original purchaser. A purchase receipt or other proof of the date of the original purchase is 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 RECORDING MEDIA) RESULTING FROM THE USE OF THIS PRODUCTS, OR ARISING OUT OF ANY BREACH OF THE WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Department at the Panasonic Consumer Electronics Company address above.

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

warvid 8/8/2000

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Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus,
New Jersey 07094
Panasonic Sales Company ("PSC"),
Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infanteria. Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

