

VM575

Please read these instructions carefully before attempting to operate this product and save this manual.

Spanish Quick Use Guide is included.

Guía para rápida consulta en español está incluida.

Things You Should Know

Thank you for choosing Panasonic!

You have purchased one of the most sophisticated and reliable products on the market today. Used properly, it will bring you years of enjoyment. Please take time to fill in the information at right. The serial number is on the tag located on the underside of your Palmcorder. Be sure to retain this manual as your convenient Palmcorder information source.

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

Unpack your Palmcorder

These accessories are provided in order to set up or use your Palmcorder.



1 pc. Battery Pack (PV-BP18)



1 pc. Audio/Video Cable (VJAW0032)



1 pc. VHS PlayPak (PV-P1/VYMW0009) and one "AA" battery



1 pc. CR2025 Clock Battery (VSBW0004) (installed in Palmcorder)



1 pc. Shoulder Strap (VYCW0150)



Safety Precautions

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

Your Compact VHS Palmcorder is designed to record and play back in Standard Play (SP) and Super Long Play (SLP) modes. You can also play a Compact VHS Palmcorder recording on your VHS VCR using the VHS PlayPak supplied.

This Palmcorder is equipped with the HQ System to provide excellent video pictures, and is compatible with standard VHS equipment.

It is recommended that only cassette tapes that have been tested and inspected for use in VCR machines with the WHSE and/or WHSI mark be used.



CAUTION 1

RISK OF ELECTRIC SHOO 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



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.



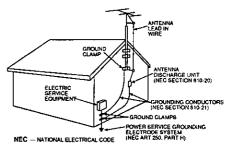
This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.

The above markings are located on the appliance bottom cover.

Important Safeguards

- Read Instructions All the safety and operating instructions should be read before the unit is operated.
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the unit and in the operating instructions should be adhered to.
- Follow Instructions All operating and maintenance instructions should be followed.
- Cleaning Unplug this video unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a dry cloth for cleaning.
- Attachments Do not use attachments not recommended by the video product manufacturer as they may be hazardous.
- Water and Moisture Do not use this video unit near water — for example near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- 8. Accessories Do not place this video unit on an unstable cart, stand, tripod, bracket, or table. The video unit may fall, causing serious injury to a child or adult, and serious damage to the unit. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video unit. Any mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved.
 - with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- 9. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video unit and to protect it from overheating. These openings must not be blocked or covered. Never place the video unit on a bed, sofa, rug, or other similar surface, or near or over a radiator or heat register. This video unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 10. Power Sources This video unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video units intended to be operated from battery power, or other sources, refer to the operating instructions.

- 11. Grounding or Polarization This video unit may be equipped with either a polarized 2-wire AC (Alternating Current) line plug (a plug having one blade wider than the other) or 3-wire grounding type plug, a plug having a third (grounding) pin. The 2-wire polarized plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
 - The 3-wire grounding type plug will fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.
- 12. Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords of plugs, convenience receptacles, and the point where they exit from the unit.
- 13. Outdoor Antenna Grounding If an outside antenna or cable system is connected to the video unit, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Part 1 of the Canadian Electrical Code, in USA Section 810 of the National Electrical Code, provides information with respect to 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.



14. Lightning — For added protection of this video unit receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video unit due to lightning and power-line surges.

Important Safeguards

- 15. Power Lines An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- Overloading Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- 17. Objects and Liquids Never push objects of any kind into this video unit through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind onto the video unit.
- 18. Servicing Do not attempt to service this video unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Damage Requiring Service Unplug this video unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.

- b. If any liquid has been spilled onto, or objects have fallen into the video unit.
- If the video unit has been exposed to rain or water.
- d. If the video unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video unit to its normal operation.
- If the video unit has been dropped or the cabinet has been damaged.
- When the video unit exhibits a distinct change in performance — this indicates a need for service.
- 20. Replacement Parts When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 21. Safety Check— Upon completion of any service or repairs to this video unit, ask the service technician to perform safety checks to determine that the video unit is in safe operating order.

Precautions

USE & LOCATION

- TO AVOID SHOCK HAZARD ... Your Camcorder and power supply should not be exposed to rain or moisture. Do not connect the power supply or operate your Camcorder if it gets wet. Your Camcorder has been designed for outdoor use, however it is not designed to sustain direct exposure to water, rain, sleet, snow, sand, dust, or a direct splashing from a pool or even a cup of coffee. This action could permanently damage the internal parts of your Camcorder. Do not attempt to disassemble this unit. There are no user serviceable parts inside. Unplug your Camcorder from the power supply before cleaning.
- · DO NOT AIM YOUR CAMCORDER AT THE SUN OR OTHER BRIGHT OBJECTS
- DO NOT LEAVE THE PALMCORDER WITH THE EVF AIMED DIRECTLY AT THE SUN AS THIS MAY CAUSE DAMAGE TO THE INTERNAL PARTS OF THE EVF
- DO NOT EXPOSE YOUR CAMCORDER TO EXTENDED HIGH TEMPERATURE ... Such as, in direct sunlight, inside a closed car, next to a heater, etc... This action could permanently damage the internal parts of your Camcorder.
- AVOID SUDDEN CHANGES IN TEMPERATURE ... If the unit is suddenly moved from a cold place to a warm
 place, moisture may form on the tape and inside the unit.
- DO NOT LEAVE YOUR CAMCORDER OR THE POWER SUPPLY TURNED ON WHEN NOT IN USE.
- STORAGE OF YOUR CAMCORDER ... Store and handle your Camcorder in a manner that will not subject it to
 unnecessary movement (avoid shaking and striking). Your Camcorder contains a sensitive pick-up device which
 could be damaged by improper handling or storage.

CARE

- TO CLEAN YOUR CAMCORDER ... Do not use strong or abrasive detergents when cleaning your Camcorder body.
- TO PROTECT THE LENS ... Do not touch the surface of the lens with your hand. Use a commercial camcorder lens solution and lens paper when cleaning the lens. Improper cleaning can scratch the lens coating.
- TO PROTECT THE FINISH OF YOUR CAMCORDER... Before handling your Camcorder, make sure your hands and face are free from any chemical products, such as suntan lotion, as it may damage the finish.

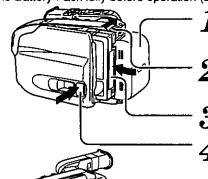
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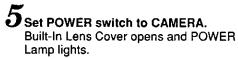
Quick Operation Guide

Camera Recording

Charge the Battery Pack fully before operation (see page 7).



- Attach a fully charged Battery (see page 7).
- 2 Slide the TAPE EJECT switch to open door.
- 3 Insert cassette (see page 10).
- **4** Press here to close door.

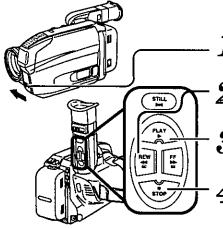


- **6** Slide TAPE SPEED Selector to SP or SLP (see page 10).
- While looking into the Viewfinder, adjust the Vision Adjustment Control to your eyesight.
- Press RECORD/PAUSE to start recording.

Press RECORD/PAUSE again to pause recording (see page 19).

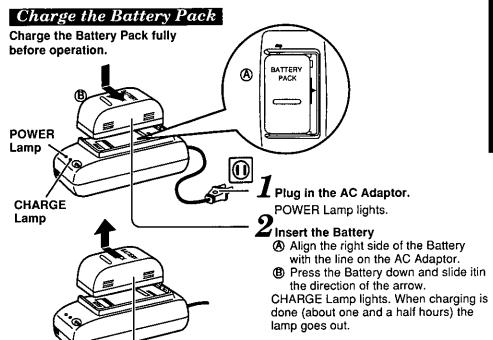
POWER Lamp

To Watch Playback in the EVF (Electronic Viewfinder)



- $m{1}$ Set the POWER switch to VCR.
- Press the REWIND/SEARCH to rewind tape.
- Press PLAY to start playback.
- 4 Press STOP to stop playback.

Supplying Power



Note:

After recharging the Battery Pack about 5 times, use the BATTERY REFRESH feature as explained on page 8.

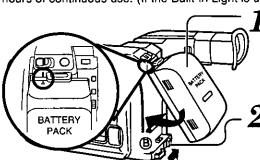
Remove the Battery

Slide the Battery out and lift up.

 The useful operation time of the Battery will gradually decrease after repeated use and recharging. The Battery is no longer serviceable if the operation time is very short, even after a sufficient charge.

Use the Battery Pack

With a fully charged Battery Pack, you will have a maximum of about one and a half hours of continuous use. (If the Built-in Light is used, battery operating time decreases.)



Attach the Battery

- Align the Battery with the top of the mounting surface.
- (B) Press it into place until it locks with a click.

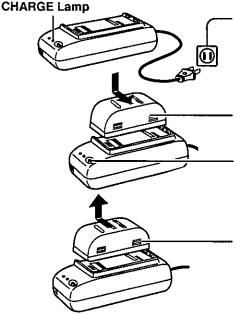
Remove the Battery While sliding the BATTERY RELEASE button, remove the Battery.

Supplying Power

Battery Refresh Feature

This feature completely discharges the Battery before recharging begins.

To maintain your Battery's operating capacity, use the refresh feature after about every five charges.



$m{I}$ Plug in the AC Adaptor.

- The POWER Lamp remains lit as long as the AC Adaptor is plugged in.
- 2 Place the Battery into the AC Adaptor.
- Press the BATTERY REFRESH button.

The CHARGE Lamp flashes until discharge is complete and then stays lit until the Battery is fully charged.

$m{4}_{\mathsf{Remove}}$ the Battery.

- Should you accidentally press the BATTERY REFRESH button, remove the Battery and then re-insert it to begin charging.
- It takes about seven and a half hours when both Battery Refresh and recharging are performed.

To avoid damage to the Battery:

- Do not drop or jar Battery.
- · Use Battery with specified units only.
- If Battery is used in extremely high temperatures, a safety device will automatically prevent operation.

To prolong battery life:

- While not in use, remove Battery from the Palmcorder and AC Adaptor and store in a cool, dark, dry place.
- Keep Battery terminals clean.

Battery Care

Caution:

- · Charge only with specified charger.
- Battery can be charged within a temperature range of 32° F (0° C) and 104° F (40° C).
- Battery may be warm after charging or just after use. This is normal.
- Do not use an insufficiently charged or wornout Battery.

Safety precautions:

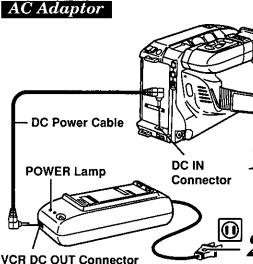
- Do not get the Battery near, or dispose of in fire.
- Do not directly connect (short circuit) the positive (+) and negative (-) terminals.
- Never attempt to disassemble or reassemble the Battery.

U.S.A. CONSUMERS:



The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.

Supplying Power



Connect VCR DC OUT on the AC Adaptor to DC IN on the Palmcorder with the DC Power Cable (supplied).

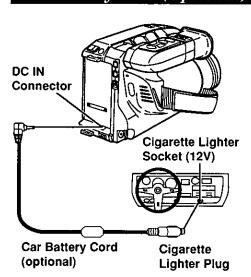
 $oldsymbol{2}$ Plug in the AC Adaptor.

· The POWER Lamp will light.

Notes:

- · AC Adaptor cannot be used to power the Palmcorder while charging the Battery.
- While not in use, unplug the AC Adaptor from the AC outlet. (When plugged into an AC outlet, the AC Adaptor consumes 1.2W of electric power when not in use.)

Car Battery Cord (Optional)



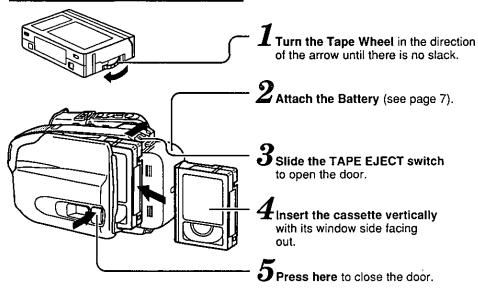
- I Connect a PV-C16 Car Battery Cord (optional) to DC IN on the Palmcorder.
- First, start your car engine, and then insert the Car Battery Cord plug into your cigarette lighter socket.
 - A fuse is located in the lighter plug end of the cord.
 - Should fuse replacement be necessary use the exact current rating (in amps).

Notes:

- This cord can only be used in vehicles equipped with DC 12V (negative ground) batteries. Use only the specified car battery cord. If you are not sure, check with your local car/truck dealer.
- To avoid blowing the fuse, be sure to start your car engine before inserting the cigarette lighter plug of the Car Battery Cord into the lighter socket.
- Because the car is running while your Palmcorder is in operation, make sure you're in a well ventilated area.
- Disconnect the cigarette lighter plug when your Palmcorder is not being used.

Cassette Information

Cassette Insertion/Removal



To remove the cassette, slide the TAPE EJECT switch.

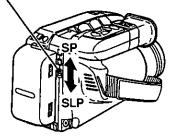
Record/Playback Time

Use tapes with the VHSP mark in this unit.

Tape Speed Selector	Cassette type		
Position	T-20	T-30	T-40
SP (Standard Play)	20 minutes	30 minutes	40 minutes
SLP (Super Long Play)	1 hour	1 hour 30 minutes	2 hours

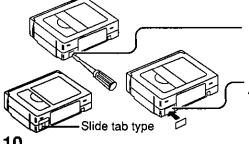
· SLP may have slightly more picture noise during playback.

TAPE SPEED Selector



Erase Protection Tab

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



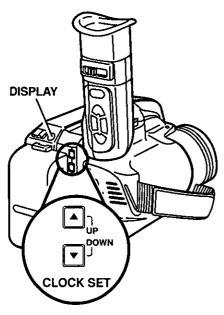
To prevent accidental erasure, break off the tab with a screwdriver. (If slide type, slide tab open.)

To record again. cover the hole with adhesive tape. (If slide type, slide tab closed.)

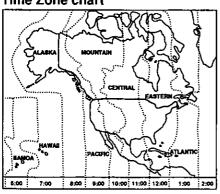
Setting the clock is divided into four sections: Time Zone, Daylight Saving Time, Date and Time, and Clock Battery. Follow instructions in the order presented.

Setting the Time Zone

The Palmcorder is set to Eastern time zone from the factory. If you live or are traveling in a different time zone, follow the steps to select the appropriate time zone from the menu screen.



Time Zone chart



Before you begin...

- · Connect the Palmcorder to a power source.
- · Set the POWER switch to VCR or CAMERA.

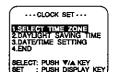
Note: -

The Palmcorder will exit the CLOCK SET menu if, after activation, none of the CLOCK SET UP/DOWN, (▲/▼) or DISPLAY buttons are pressed within 30 seconds.

The Palmcorder's clock may lose or gain up to two minutes per month. Please adjust as necessary (refer to page 13).

1 Press CLOCK SET UP ▲ to display the CLOCK SET menu.

Press UP ▲ or DOWN ▼ repeatedly to select 1.SELECT TIME ZONE



Press DISPLAY to display the SELECT TIME ZONE menu.



4 Press UP ▲ or DOWN ▼ repeatedly to select desired time zone.

5Press DISPLAY to fix the Time Zone. The CLOCK SET menu appears.

To exit from the CLOCK SET menu, press DOWN ▼ to select 4.END, and then press DISPLAY.

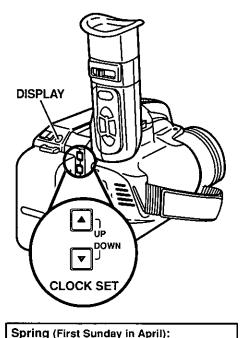
Note: -

When you travel outside the eight time zones shown in the time zone chart at the left, please set the clock manually (see page 13).

Setting the Daylight Saving Time

The clock will automatically adjust to daylight saving time.

The Palmcorder is preset to Daylight Saving Time AUTO. If you do not want the clock to be automatically adjusted to daylight saving time, please select OFF by following steps 1–5.



In DAYLIGHT SAVING TIME: AUTO mode, the clock is automatically moved ahead one hour. 1:00 a.m. 2:00 a.m. Normal Time Daylight Saving Time 3:00 a.m. 4:00 a.m. Autumn (Last Sunday in October): In DAYLIGHT SAVING TIME: AUTO mode, the clock is automatically turned back one hour. 1:00 a.m. 2:00 a.m. **Daylight Saving** Time Normal Time 1:00 a.m. 2:00 a.m.

Before you begin...

- Connect the Palmcorder to a power source.
- Set the POWER switch to VCR or CAMERA.

Note: -

The Palmcorder will exit the CLOCK SET menu if, after activation, none of the CLOCK SET UP/DOWN, (▲/▼) or DISPLAY buttons are pressed within 30 seconds.

Daylight saving time feature will not function if time zone is set to Hawaii or Samoa.

1 Press CLOCK SET UP ▲ to display the CLOCK SET menu.

Press UP ▲ or DOWN ▼ repeatedly to select 2.DAYLIGHT SAVING TIME.



Press DISPLAY to display the DAYLIGHT SAVING TIME menu.



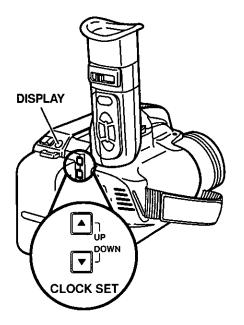
Press UP △ or DOWN ▼ to select AUTO or OFF.

5 Press DISPLAY to fix the DAYLIGHT SAVING TIME setting. The CLOCK SET menu appears.

To exit from the CLOCK SET menu, press DOWN ▼ to select 4.END, and then press DISPLAY.

Setting the Date and Time

The date and time is calculated, including leap year, up to DEC 31 2095.



Before you begin...

- · Connect the Palmcorder to a power source.
- · Set the POWER switch to VCR or CAMERA.

Note: -

The Palmcorder will exit the CLOCK SET menu if, after activation, none of the CLOCK SET UP/DOWN, (A/V) or DISPLAY buttons are pressed within 30 seconds.

Press CLOCK SET UP ▲ to display the CLOCK SET menu.

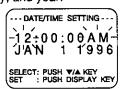
Press UP ▲ or DOWN ▼ repeatedly to select 3.DATE/TIME SELTING.



- Press DISPLAY to display the DATE/TIME SETTING menu.
- 4 Press UP ▲ or DOWN ▼ repeatedly (or hold down) to enter the desired numbers, then press DISPLAY to fix that portion and move on.



Adjust the flashing digits for the hour, minute, month, day, and year.

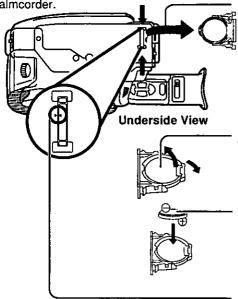


When you finish setting the year, the clock starts operating, and the CLOCK SET menu appears.

To exit from the CLOCK SET menu, press DOWN ▼ to select 4.END, and then press DISPLAY.

Replacing the Battery

The date and time operates on a miniature battery preinstalled in the underside of your Palmcorder.



While pinching the stopper tabs, pull the Battery Tray out of the Battery Compartment.

2Remove the Battery by bending the locking tab outward.

Place the new Battery into the Battery tray with the ⊕ mark facing down.

Press down until it snaps into place.

Do not reverse the polarity.

4 Insert the Battery Tray until both triangle marks meet.

WARNING:

Replace battery with Panasonic PART NO. VSBW0004 (CR2025) only. Use of another battery may present a risk of fire or explosion. Caution-battery may explode if mistreated. Dispose of used battery promptly. Keep away from children. Do not recharge, disassemble or dispose of in fire.

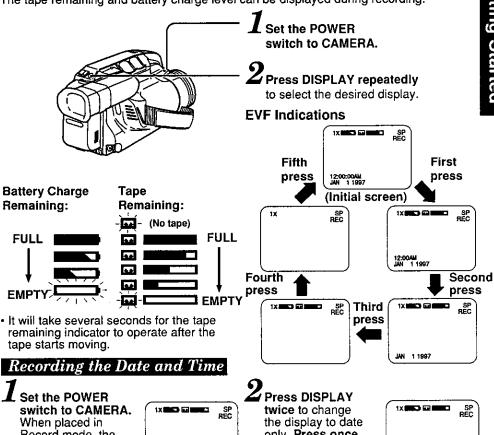
Note:

- Make sure your Palmcorder is off when replacing the Battery.
- Keep the Battery out of the reach of children as swallowing it may be harmful.
- When the Battery is installed improperly, is discharged, or missing, "CLOCK BATTERY" appears in the EVF.
- · Battery life is approximately 5 years.

Electronic Viewfinder Indications

Tape/Battery Remaining

The tape remaining and battery charge level can be displayed during recording.



Record mode, the time and date will be recorded on the tape.



only. Press once or twice more to remove the date/

time display.



Only the Date and/or Time indications are recorded on the Tape.

Display-Off Mode

This feature allows you to remove all Electronic Viewfinder Indications.

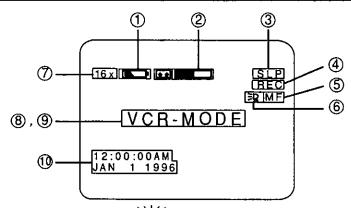
Before inserting a tape, press DISPLAY and STOP together for more than one second to remove the indications except time and date*.

To display the Electronic Viewfinder Indications again, turn the Palmcorder Power off and then on again.

* To remove the time and date, press the DISPLAY button once or twice.



Electronic Viewfinder Indications



- (see page 15)
 When a battery recharge is necessary, "WARNING LOW BATTERY" will appear in the EVF. The external Power Lamp will start to flash and the Palmcorder will automatically turn OFF in 15 seconds.
- 2 Tape Remaining Indication
 - If the Palmcorder is in the camera mode, (RECORD) with no cassette tape inserted, or the record tab is missing, "@" will flash for one minute and "CHECK TAPE" will appear for 5 seconds.
 - As the tape reaches the end during recording, "@" will flash and "TAPE END" will appear for 5 seconds as a warning.
- ③ TAPE SPEED Indication (see page 10) Indicates the tape speed (SP or SLP).
- **4** Operating Mode Indications

REC (record)

(Appears in large then small characters.)

PAUSE

(Appears in large then small characters.)

FF (fast forward)

PLAY

REW (rewind)

- (5) Manual Focus Indication (see page 26).
- ⑥ Light ON/OFF Indication (see page 18).
- ⑦ Zoom Magnification level (see page 25).
- **8 VCR-MODE Indication**

Appears for one minute if the POWER switch is set to VCR or the RECORD/PAUSE button is pushed in VCR MODE.

DEW Indication

If excessive moisture condenses in the unit, "WARNING DEW DETECTED" will appear, Power Lamp will flash, and the Palmcorder will automatically turn OFF in 15 seconds.

Wait until the indicator no longer flashes when your Palmcorder is turned on before use.

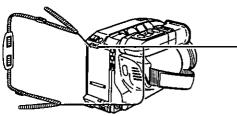
① Date and Time Indication (see page 13).

Attaching the Shoulder Strap

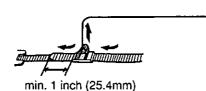
Make sure the Battery Pack is not attached.



Undo the two strap ends from their buckles.



2 Thread the strap ends through the Strap Attachment Rings.

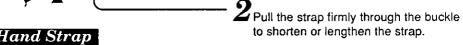


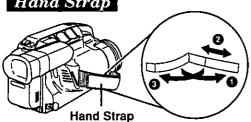
- Reinsert the strap ends through their buckles.
 - · Make sure the straps are not twisted.





1 Pull a loop of the strap loose from the buckle.



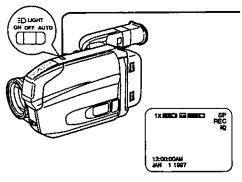


Adjust the length of the Hand Strap to the size of your hand as illustrated.

Built-in Auto Light

Using the Built-in Auto Light Before you begin...

To improve recording indoors or outdoors in dim lighting conditions.



- · Connect the Palmcorder to a power source.
- Set the POWER switch to CAMERA.

Set the LIGHT switch to AUTO.

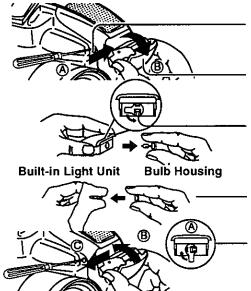
The built-in light automatically turns on and off depending on lighting conditions. Or set the LIGHT switch to ON/OFF to turn the light on and off manually.

SQ will appear in the EVF while the light is turned on.

Caution:

This light becomes hot during operation. Make sure nothing covers the Light during operation.

Replacing the Bulb



DANGER:

(PART NO. VLLW0007) supplied by Panasonic to reduce the risk of fire. Use a cloth or tissue when handling the bulb as finger oils will decrease the bulb life. To prevent possible burn hazard, disconnect the Built-in Light and allow the lamp to cool before replacing.

When replacing the bulb, use only lamp bulbs

Before you begin...

- Set the POWER switch to OFF.
- Turn screw counterclockwise and remove.
- 2 🔊 Slide the Built-in Light unit to the right to unlock (B) and remove it.
- Turn the Bulb Housing counterclockwise 1/4 of a turn and pull free from the Built-in Light unit.
- Using a clean cloth or tissue, replace the bulb.
- Replace the Bulb Housing by turning it clockwise. (B) Next, insert the Built-in Light unit and slide it to the left to lock it in place. © Finally, replace the screw.

Note:

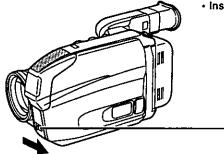
- Using the light reduces battery operating time.
- . If using the Built-in Light in a hot environment for an extended period of time, be sure to provide ventilation.
- . Using the Built-in Light when the Palmcorder is powered by a car battery may shorten bulb life.
- · Be sure LIGHT switch is set to OFF when not in use or before placing Palmcorder into an optional carrying case.

Camera Recording

Simple Recording

Before you begin...

- · Connect the Palmcorder to a power source.
- Insert a cassette with record tab (see page 10).



1 Set the POWER switch to CAMERA.
The built-in Lens Cover opens.

PAUSE

Record/Pause mode.

RECORD

- With the Viewfinder Eye Cup against your eye, adjust the Vision Adjustment Control to your eyesight.
- Slide the TAPE SPEED Selector to SP or SLP (refer to page 10).
- 4 Press RECORD/PAUSE to start recording.

WARNING:

TAPE

EJECT

 Do not leave the Palmcorder with the EVF aimed directly at the sun as this may cause damage to the internal parts of the EVF.



 When your Palmcorder is aimed at excessively bright objects, or bright lights, a vertical bar may appear in the picture. This is a normal characteristic of the CCD pick-up device. Try to avoid this when possible. Press the RECORD/PAUSE again to pause the recording.

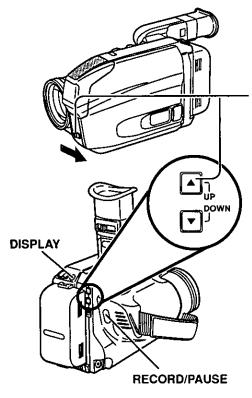
Set the Power switch to OFF after recording is finished.

To remove the cassette
 In Record/Pause mode, slide the TAPE EJECT switch (refer to page 10).

Camera Recording

Stand-by Quick Release

Whenever the Palmcorder is left in RECORD/PAUSE mode for 5 minutes, it will automatically switch to Stand-by mode to conserve energy. Activating the Stand-by Quick Release feature allows you to release the Stand-by mode and resume recording by simply pressing the RECORD/PAUSE button. If this feature is not activated, it is necessary to turn the Palmcorder OFF and back on to CAMERA to start recording again. The default setting from the factory is set to the NON-ACTIVE mode.



Before you begin...

- · Connect the Palmcorder to a power source.
- · Insert a cassette with record tab (see page 10).
- Continue holding down the UP ▲ button before and after turning the POWER switch to CAMERA until the STAND-BY RELEASE menu screen is displayed.
- Press UP ▲ or DOWN ▼ to select ACTIVE or NON-ACTIVE.



ACTIVE

You can resume recording from Standby mode by pressing the RECORD/ PAUSE button.

NON-ACTIVE

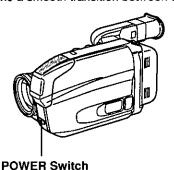
You must set the POWER switch to OFF, and then to CAMERA to release the Stand-by mode.

Press DISPLAY to set your selection and exit this screen.

Camera Recording

Easy Edit Stand-by

If you stop recording but plan to resume within 24 hours, use the Edit Standby feature to make a smooth transition between scenes.



Press RECORD/PAUSE while recording.

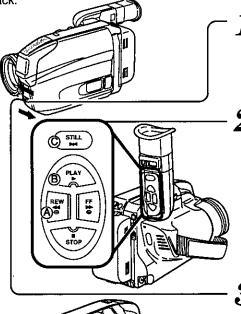
- 2 Set the POWER switch to OFF and leave the cassette in the Palmcorder.
- When ready to resume recording, set the POWER switch to CAMERA and press RECORD/PAUSE.

Note:

 If it is going to be longer than 24 hours before you resume recording, you will need to use the manual Easy Edit feature described below.

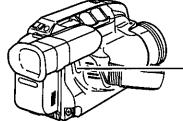
Manual Easy Editing

For proper continuity when taping from the Stop mode, or after changing the Battery Pack.



- ▲ Set the POWER switch to VCR.
- 2 A Press REWIND/SEARCH to go back a few seconds on the tape.
 - B Press PLAY to review the picture on the Viewfinder.
 - Press STILL at the location you wish to continue your recording.





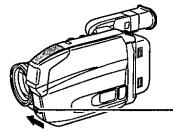
Press RECORD/PAUSE to continue recording.

Play Back your Recordings

Playback using the EVF

Before you begin...

- · Connect the Palmcorder to a power source.
- Insert a recorded cassette.



 $m{I}$ Set the POWER switch to VCR.

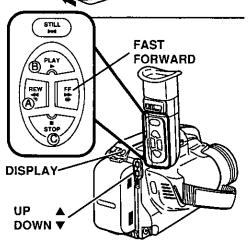
- 2 ® Press the REWIND/SEARCH button to rewind the tape.
 - (B) Press PLAY to start playback.
 - © Press STOP to stop playback.

Auto Play

When the POWER switch is set to VCR, playback will automatically begin if the record tab has been removed on the cassette.

Search Speed

Standard Play (SP) Search is about 3 times the normal speed, and Super Long Play (SLP) Search is about 9 times the normal speed.



Special Effects Playback

Rapidly Locate a Scene

Press FAST FORWARD/SEARCH or REWIND/SEARCH for rapid visual search. Press again, or press PLAY to resume normal speed.

View a Still Picture

Press STILL to freeze the picture. Press again to resume normal playback. This feature works best in SLP mode (see pages 10, 19).

Note:

- During search playback, horizontal noise bars will appear and there will be no audio.
- To protect the tape and the video heads, your Palmcorder's operating modes will revert as follows:

STILL STAND-BY after 5 minutes.

STANDBY → POWER OFF after 5 minutes when using a Battery Pack.

 When the tape reaches its end during playback, or fast forward, it will rewind automatically.

Tracking Control

Auto Tracking

Continuously analyzes the signal of each recording for optimum picture quality.

Manual Tracking

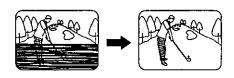
To minimize the noise in some recordings, manual tracking may be necessary.

In Playback mode:

Press UP ▲ or DOWN ▼

until picture clears.

Press DISPLAY to return to Auto Tracking.

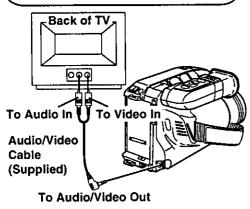


Play Back your Recordings

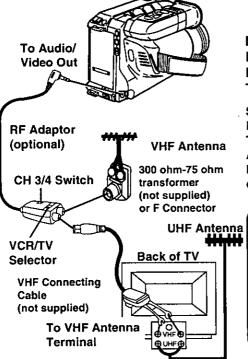
TV Playback or Viewing

Your Palmcorder may be connected to a TV to play back tapes or to view what you are recording.

TV with AUDIO/VIDEO IN Jacks.



TV without AUDIO/VIDEO IN Jacks.



Before you begin...

- · Connect the Palmcorder to a power source.
- Set the POWER switch to VCR for tape playback.
 Or, set to CAMERA to view what your Palmcorder is recording.
- 2 Turn the TV ON and set it to LINE INPUT.

Check your TV operating instructions.

Note:

If your TV has no VIDEO or AUDIO IN jacks, select CH 3 or 4 on your TV to match the CH 3/4 switch setting on the OPTIONAL PV-RF16 RF Adaptor. Set the VCR/TV selector on the RF Adaptor to VCR for playback.

Start playback or begin a recording.

If you have connected the Palmcorder to your TV using the PV-RF16 RF Adaptor and want to watch TV only:

Set the POWER switch to OFF on the Palmcorder.

Then, set the VCR/TV Selector on the RF Adaptor to TV.

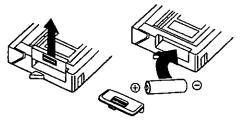
Now, turn the TV ON and select a channel.

CATV System Installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC in USA (and to the Canadian Electrical Code in Canada) 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.

Play Back your Recordings in your VCR

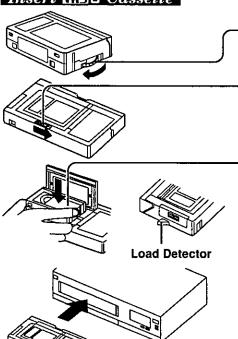
Playback using the PlayPak



Remove the Battery Compartment lid and insert the AA size battery.

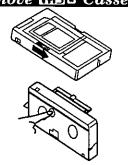
- · Make sure polarities are aligned properly.
- When tape loading and unloading time becomes longer than normal, battery replacement is necessary.

Insert WISC Cassette



- Turn the Tape Wheel on the VHSE cassette in the direction of the arrow to take up any slack.
- 2 Slide the RELEASE button in the direction of the arrow to open the PlayPak door.
- Insert the VHSIP cassette with the window facing up and to the left.
 Then, snap the lid shut.
 - Be sure the cassette reel area under the PlayPak is free to turn while loading.
 - Allow the Load Detector to fully retract before using the PlayPak in your standard VHS VCR.

Remove WISC Cassette



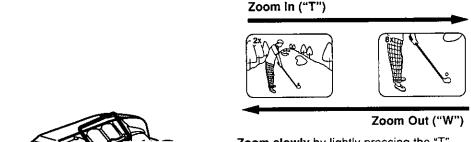
- I Slide the RELEASE button and wait for the lid to open.
- Hold the PlayPak securely in one hand. Using your finger, reach through the hole in the bottom of the PlayPak Adaptor and push the tape out the top.

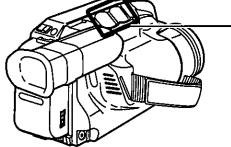
Special Features

Four-Speed Power Zoom

You can gradually zoom in for close ups or zoom out for wide angle shots.

The zooming speed ranges from a slow speed of 16 seconds to a fast 2 seconds according to the pressure applied to the zoom buttons.





Zoom slowly by lightly pressing the "T" (Telephoto) or the "W" (Wide Angle) side of the POWER ZOOM switch.

Zoom quickly by applying more pressure.

 The magnification level is displayed in the EVF.

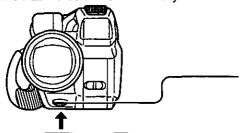
Auto High Speed Shutter

The Palmcorder automatically adjusts the shutter speed from 1/60 to 1/250 according to the brightness of the subject.

Special Features

Auto Focus

The Palmcorder will automatically focus on the subject even during zooming.

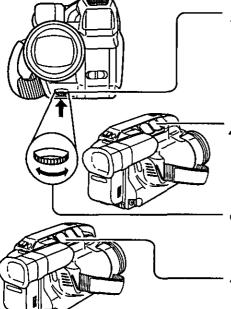


If necessary, **press MANUAL FOCUS** so that "MF" does not appear in the EVF.

Manual Focus

Use Manual Focus (MF) when recording:

- · a subject through glass.
- a subject that is far from the Palmcorder with objects in the foreground.
- · a subject with distinct horizontal stripes.
- · a subject not centered in the Viewfinder.
- · a subject with a shiny surface.
- · an obliquely angled subject.
- a bright, flat subject such as a white wall.
- · in low light situations.
- · a scene with fast motions, like a golf swing.



Press MANUAL FOCUS so that "MF" (Manual Focus) appears in the EVF. EVF Indication

MF

Press and hold the "T" side of the POWER ZOOM switch until the lens is zoomed in all the way (subject at maximum size).

Turn the MANUAL FOCUS control until the picture is in focus.

 It may be necessary to back away from the subject to focus the image properly.

Press the "W" side of the POWER ZOOM switch to frame the picture as desired.

 Re-focusing may be required when your Palmcorder is aimed at a new scene.

Macro Focus (for close-ups)

Auto Focus will function as close as 1/2 inch (12.7mm) from the subject. Press the "W" side of the POWER ZOOM switch to the wide angle position. Then, bring the Palmcorder as close to the subject as desired.

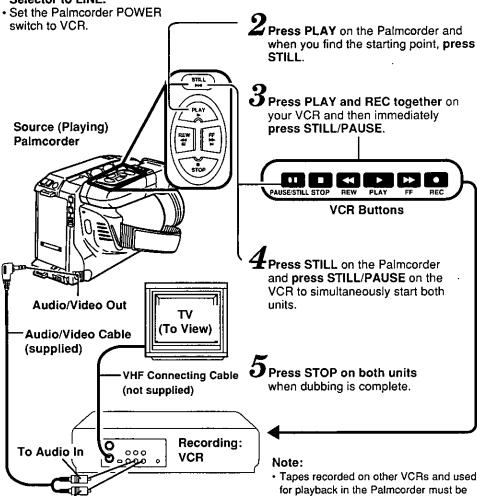
Copying your Tapes (dubbing

VCR.

Main Operation

Before you begin...

- Connect the Palmcorder to VCR as shown below.
- Turn ON both units.
- Set the recording VCR's Input Signal Selector to LINE.



Monitor with your TV

To Video In

- Turn the TV ON and select its VCR channel (CH3 or CH4).
- Set the VCR/TV Selector on the recording VCR to VCR.

Insert a pre-recorded tape

into the Palmcorder and a blank

tape with a recording tab into your

VCR Buttons

- Press STILL on the Palmcorder and press STILL/PAUSE on the VCR to simultaneously start both
- Press STOP on both units when dubbing is complete.
 - Tapes recorded on other VCRs and used for playback in the Palmcorder must be recorded in SP or SLP mode.
 - · For technical reasons, dubbing a tape may reduce its quality.

CAUTION: -

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

Palmcorder Accessory System

For ordering instructions, see the Accessory Order Form page.

Accessory #	Figure	Description	Price
PV-A17		AC Adaptor with DC Power Cable	\$130.00
PV-BP17		2.4Ah Battery Pack	\$50.00
PV-BP18	aa	1.8Ah Battery Pack	\$45.00
PV-BP15		1.2Ah Battery Pack	\$45.00
PV-C16		Car Battery Cord	\$70.00
PV-RF16		RF Adaptor	\$40.00
PV-P1		VHS PlayPak	\$35.00
PV-H18		Soft Sided Carrying Case	\$49.00

For Your Information

Palmcorder Accessory Order Form

•		n when placin	ig an order.	
Palmcorder Mo Palmcorder Mo		 		
2. Items Ordered Accessory #	Description	Price Each	Quantity	Total Price
7.000000, 7.1		11100 24011	- addition,	
· ·		•	Subtotal	
		Your State	& Local Sales Tax	
		Sh	ipping & Handling	5.00
			Total Enclosed	
3. Method of pay	ment (check one)			
☐ Check of !	Money Order end	osed (NO C.O.D.	SHIPMENTS)	
□ VISA	Credit Ca	rd #		
☐ MasterCa	rd Expiration	n Date		
☐ Discover	·			
		•	der to: MATSUSHIT	
Please do not se		near or woney or	der to. MATOCOTTI	AAOOLOOON
	•	ery requires comm	olete street address)	
Ship To:	nation (or 5 deliv	ery requires comp	Diete Street address/	
Mr.				
Mrs. Ms				
First	Las	t	Phone #:	
		· · · · · · · · · · · · · · · · · · ·	Day <u>(</u>)
Street Addr	ress		Night (1
City		State Zip	Night ()
	OF OUR OMNIMO		ACCESSORIES YOU	CAN DO ANY OF
	VISIT YOU	R LOCAL PANASO		
		OR		
LOCATE YOUR	AUTHORIZED ACC	CESSORY STOCKII OR	NG DISTRIBUTOR AT	1-800-545-2672
CALL DANIACONI	O'C ACCECCODY		000 222 5260 (6 AM 6	DM M E C 10:20

OR
MAIL THIS ORDER TO: PANASONIC SERVICES COMPANY ACCESSORY ORDER OFFICE
20421 84th Avenue South Kent, WA. 98032

SAT PACIFIC TIME)

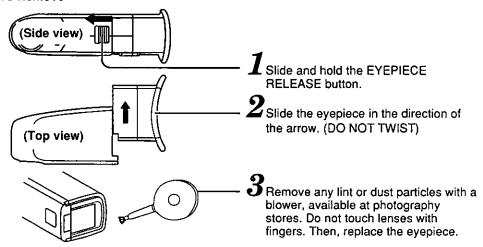
Notes Regarding Operations

Attaching Optical Filters and Lenses

Be careful not to touch the lens itself when attaching optical filters and lenses.

Cleaning the EVF (Electronic View Finder)

To Remove



FCC Warning: Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with Part 15 and part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when operated in a residential environment.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver.

If necessary, consult the dealer or an experienced radio/TV technician for help. You may find the booklet, 'Something About Interference' available from FCC local regional offices helpful.

Specifications

Compact VHS Palmcorder: DC 6V **Power Source:**

AC Adaptor: 110/120/220/240V AC. 50/60 Hz

Battery: Nickel-Cadmium Type DC 6V

Compact VHS Palmcorder: 6V DC 7.5W (Max. 10.5W) **Power Consumption:**

AC Adaptor: 24W

1.2W (when not in use.)

EIA Standard (525 lines, 60 fields) NTSC color signal Video Signal:

2 rotary heads, helical scanning system Video Recording System:

1 track Audio:

Sequential color difference field reverse system Pick-Up System:

One integral color filter Charge Coupled Device (CCD) Pick-Up Device:

16:1 zoom lens, F1:1.6 with auto iris control Lens:

Focal length: 5.3mm - 84.8mm Power zoom function Lens filter diameter: 58mm

0.5 inch (12.7mm) Liquid Crystal Color Electronic Viewfinder Viewfinder:

Minimum Illumination Required: 0.8 lx (F1:1.6) 0.08 footcandles

5 lx (F1:1.6) 0.5 footcandles (EIA Standard)

32°F~104°F (0°C~40°C) Operating Temperature:

10%~75% Operating Humidity:

Compact VHS Palmcorder: 2.0 lbs. Weight: 0.91 ka

0.77 lbs. AC Adaptor: 0.35 kg

Compact VHS Palmcorder: Dimensions:

4-1/4 (W) × 4-5/8 (H) × 7 (D) inch 109 (W) × 116 (H) × 177 (D) mm

AC Adaptor: 2-3/4 (W) × 1-5/8 (H) × 5-3/4 (D) inch 70 (W) × 41 (H) × 145 (D) mm Weight and dimensions shown are approximate.

Designs and specifications are subject to change without notice.

Before Requesting Service

If you have a problem with your Palmcorder, it may be something you can correct yourself. Check the list below for symptoms and corrections.

Symptom	Correction
No picture in the EVF	Make sure a Power Source is connected. (pp. 7, 9) Make sure the POWER switch is set to VCR or CAMERA. (pp. 19, 22) Check the Dew Indicator. (p. 16) Make sure the battery is fully charged. (p. 7) Make sure all necessary cables are connected correctly and firmly. (p. 23)
Video cassette can't be inserted	Make sure a Power Source is connected. (pp. 7, 9) Insert the cassette with the window side facing out. (p. 10)
Video cassette can't be removed	Make sure a Power Source is connected. (pp. 7, 9)
No operation starts when operation buttons are pressed	Check the Dew Indicator. (p. 16)
Recording cannot be done	Make sure the record tab is still intact. (p. 10) Check the Battery Indicator. (p. 15) Check the Dew Indicator. (p. 16)
Auto Focus does not operate	Make sure the FOCUS button is set to AUTO. (p. 26) Make sure the unit is ON, with the POWER switch set to CAMERA (p. 19).
Sound from microphone can't be monitored	Make sure the unit is set to REC or Record/Pause mode.
No playback picture, or the playback picture is noisy or contains streaks	 Press the Clock Set UP ▲/DOWN ▼ button during playback (Tracking Control) (p. 22).
During playback, the picture shows motion or blurred action	Portions of the still picture where the normal speed motion was particularly rapid may produce this effect. This is normal.
If the top of your playback picture waves back and forth excessively	Because the playback signal is not as stable as an off the air TV signal, the top of your TV screen may be bent or unstable when the tape is played back. This symptom is more noticeable when a tape, recorded on another VCR, is played back. To solve this problem, locate the horizontal hold control on your TV. Turn it slowly to correct the wavy picture. If your TV does not have a horizontal hold control or adjusting the control does not help, some modifications may have to be made to the TV set. Technically this is called "Horizontal AFC time constant change." If such a problem exists, please contact your local TV service center. (Some nominal service charges may be required.)

For Your Information

Before Requesting Service

Cleaning Care for Video Heads



Clogged Video Head

- (a) Video Head Cleaning: Your Palmcorder will not normally require head cleaning; however, it is possible that the heads may become clogged when playing an old or damaged tape. If the image on your screen resembles the photograph on the left while playing back a tape, the heads may require cleaning.
- (b) Cleaning the Heads: It is recommended that head cleaning be performed by a qualified service technician. Please contact your nearest Panasonic Service Center. An alternate solution is to obtain a head cleaning cassette. There are many types of cleaning cassettes, so be sure to follow the cleaning instructions carefully. Excessive use of the cleaning cassette could shorten head life. Use this cassette only when a head clogging symptom occurs.

Refer servicing to qualified service personnel.

Request for Service Notice

Please photocopy this form when making a request for service notice.

Request for Service Notice:

In the unlikely event this product needs service.

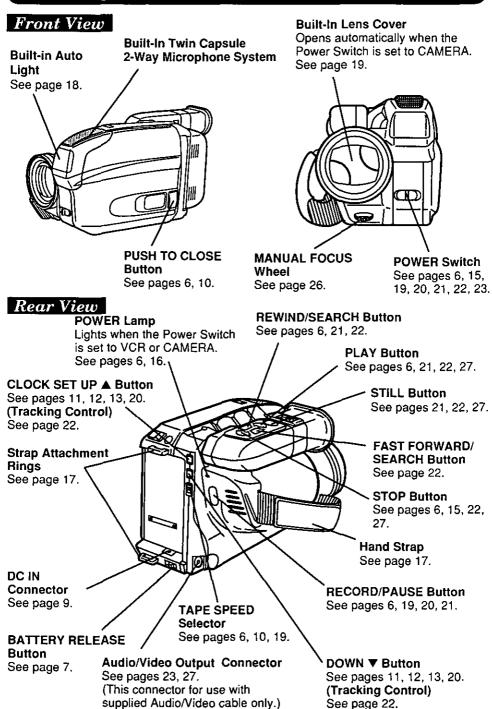
- Please include your proof of purchase.
 (Failure to due so will delay your repair.)
- To further speed your repair please provide an explanation of what is wrong with the unit and any symptom it is exhibiting.

Mail this completed form and your Proof of Purchase along with your unit to:

Panasonic Services Company

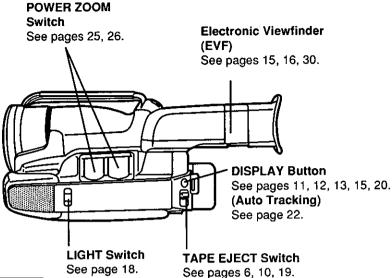
1705 N. Randall Road Elgin, IL. 60123-7847 Attn: Camcorder Repair

Index of Controls

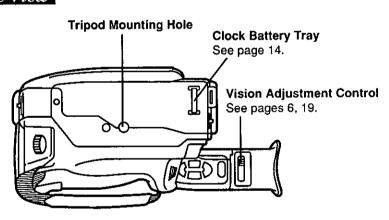


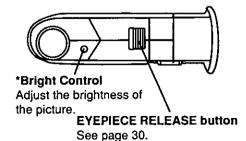
Index of Controls

Top View



Underside View





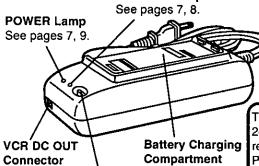
*Note: This control has been set at the factory. It is not necessary to adjust this control under normal circumstances. But, should it become necessary, be careful to make the adjustment with a small, slender screwdriver so as not to damage the miniature control.

Index of Controls

AC Adaptor

CHARGE Lamp See pages 7, 8.

See page 7.



BATTERY REFRESH

Button

See page 8.

CAUTION: ----

This unit will operate on 110/120/220/ 240V AC. An AC plug adaptor may be required for voltages other than 120V AC. Please contact either a local or foreign electrical parts distributor for assistance in selecting an alternate AC plug. We recommend using the accessory power plug adaptor (VJSS0070) in an area which has special AC outlets.

AC Power Cord See pages 7, 8, 9,

Index

Α

See page 9.

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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, Division of Matsushita Electric of Puerto Rico. Inc. ("PSC")

Àve. 65 de Infantería. Km. 9.5

San Gabriel Industrial Park, Carolina, Puerto Rico 00985

PANASONIC/QUASAR 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	j
CAMCORDER	ONE (1) YEAR, EXCEPT CCD IMAGE SENSOR	NINETY (90) DAYS
	CCDIMAGE SENSOR - SIX (6) MONTHS	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	NINETY (90) DAYS
	CRT - TWO (2) YEARS	CRT LABOR ONE (1) YEAR
1	• •	SECOND YEAR CUSTOMER
1		PAYS ALL LABOR CHARGES

Monitor-VCR In-home or carry-in Service: 19" (diagonal) CRT / LCD and Larger Monitor-VCR Carry-in Service: 18" (diagonal) CRT / LCD and smaller

Batteries (if included) - New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days from the date of original purchase. Non-rechargeable batteries are not

Tape (if includes) - New video cassette tape in exchange for a defective video cassette tape for five (5) days from the date of the original purchase.

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 1-800-545-2672, toll free, 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 Panásonic 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 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, lightning damage, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or serviced by anyone other than a PASC Factory Servicenter or an authorized PASC Servicenter, or damage that is attributable to acts of God.

IMITS AND EXCLUSIONS

warvid 8/20/96

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

WARRANTY AND REPORT OF THE WARRANTY AND EXTRESS FOR 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.

PRODUCT INFORMATION · OPERATION ASSISTANCE · LITERATURE REQUESTS · **DEALER LOCATIONS**

Customer Service Center 2F-3. One Panasonic Way, Secaucus, NJ 07094 (Headquarters) 201-348-9090 (9:00am-8:00pm Monday-Friday, EST)

ACCESSORY PURCHASES

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

Panasonic Services Company 20421 84th Avenue South Kent, WA 98032 (6 am to 6 pm Monday-Friday; 6 am to 10:30 am Saturday; PST)

(Visa, Mastercard, Discover card, American Express, Check)

AUTHORIZED SERVICENTERS • PARTS DISTRIBUTOR LOCATIONS

To locate an independent authorized servicenter or parts distributor in your area, within the USA dial toll free 1-800-545-2672, 24 hours a day, 7 days a week.

PRODUCT REPAIRS

Centralized Factory Servicenter

Panasonic Services Company

1705 N. Randall Road, MAIL TO: Elgin, IL 60123-7847

Attention: Camcorder Repair

Please carefully pack and ship, prepaid and insured, to the Elgin centralized repair Factory Servicenter. While there will be added handling delays, you may bring your unit to one of the following locations who will then forward the unit to Elgin for repair.

Customer's in Puerto Rico, please ship or carry in to location below ("Service in Puerto Rico"). Factory Servicenters

CALIFORNIA 6550 Katella Avenue Cypress, CA 90630 Phone (714) 373-7425 Fax (714) 894-8534

800 Dubuque Avenue S. San Francisco, CA 94080 Phone (415) 871-6373 Fax (415) 871-6840

20201 Sherman Way uite 102 Canoga Park, CA 91306 Phone (818) 709-1775 Fax (818) 709-2165

3878 Ruffin Road

San Diego, CA 92123 Phone (619) 560-9200 Fax (619) 560-1831 COLORADO

1640 South Abilene Suite D Aurora, CO 80012 Phone (303) 752-2024 Fax (303) 752-0610 FLORIDA

3700 North 29th Avenue Suite 102 Hollywood, FL 33020 Phone (954) 925-2880 Fax (954) 925-5224

4710 Eisenhower Boulevard

Suite A1 Tampa, FL 33634 Phone (813) 884-4746 Fax (813) 886-4564

GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350 Phone (770) 518-6301 Fax (770) 518-6306

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

ILLINOIS 1703 North Randall Road "12:30 to 4:30, Mon-Fri" Phone (847) 468-5464 Fax (847) 468-5465

9060 Golf Road Nites, JL 60714 Phone (847) 608-1010 Fax (847) 299-1710

MARYLAND MANTLAND Sulphur Springs Business Park 1638 Sulphur Springs Road Baltimore, MD 21227 Phone (410) 242-2607 Fax (410) 247-3047

MASSACHUSETTS 60 Glacier Drive, Suite G Westwood, MA 02090 Phone (617) 329-4280 Fax (617) 329-0586

*Pick-up/drop-off only

MICHIGAN

37048 Van Dyke Avenue Sterling Heights, MI 48312 Phone (810) 939-2060 Fax (810) 939-2638

MINNESOTA 7850-12th Avenue South Airport Business Center Bloomington, MN 55425 Phone (612) 854-8624 Fax (612) 854-2089

OHIO 2236 Waycross Road Cincinnati, OH 45240 Phone (513) 851-4180 Fax (513) 851-8443

PENNSYLVANIA 2221 Cabot Boulevard West Suite B

Langhome, PA 19047 Phone (215) 741-0661 Fax (215) 741-0521 Chartiers Valley Shopping

1025 Washington Pike 8ridgeville, PA 15017 Phone (412) 257-4522 Fax (412) 257-4650

TENNESSEE 919-8th Avenue South Nashville, TN 37203 Phone (615) 244-4434 Fax (615) 244-6713

7482 Harwin Drive Houston, TX 77036 Phone (713) 781-1528 Fax (713) 781-0643 13615 Welch Road

Suite 101 Farmers Branch, TX 75244 Phone (214) 385-1975 Fax (214) 960-7626

WASHINGTON 20425-84th Avenue South

Kent, WA 98032 Phone (206) 872-7922 Fax (206) 872-0918

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 (809) 750-4300 Fax (809) 768-2910

REPAIR INQUIRIES

Regional Customer Care Department

CENTRAL (PCC)

EAST(PCE) 2221 Cabot Boulevard West Suite A Langhome, PA 19047 Phone (215) 741-0676 Fax (215) 750-6492

Covers: CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, DC, WV

EAST (PCE) 1225 Northbrook Parkway Suite 2-390 Suwanee, GA 30174 Phone (770) 338-6860 Fax (770) 338-6548 Covers: AL, FL, GA, MS, NC, SC, TN

1707 North Randall Road Elgin, IL 60123 Phone (847) 468-5530 Fax (847) 468-5528 Covers: AR, IL, IN, IA, KS, KY, LA, MI MN, MO, NE, ND, OK, SD, TX, WI OH

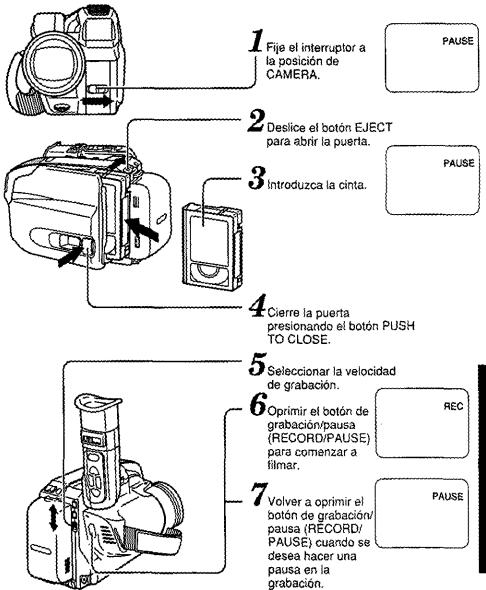
WEST (PCW) 6550 Katella Avenue Cypress, CA 90630 Phone (714) 373-7440 Fax (714) 373-7447 Covers: ' AK, AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY, HI

Spanish Quick Use Guide/Guía Para Uso Rápido

PREPARATIVOS

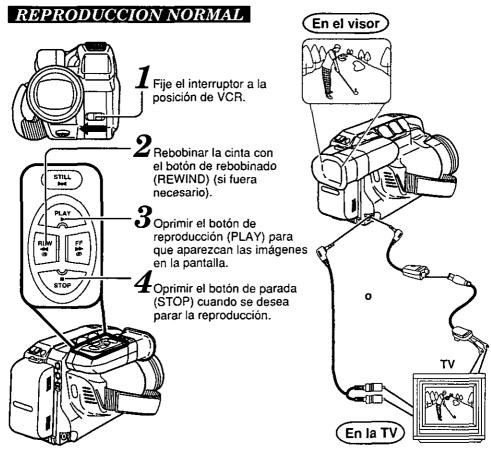
- Conectar la videocámara a una fuente de alimentación (batería, adaptador de CA o cable para batería de coche).
- Encender el aparato.
- · Introducir el casete en el compartimiento de casetes.

GRABACION



Spanish Quick Use Guide/Guía Para Uso Rápido

- Conectar la videocámara a una fuente de alimentación (batería, adaptador de CA o cable para batería de coche).
- Encender el aparato.
- Introducir el casete en el compartimiento de casetes.



REPRODUCCION CON EFECTOS ESPECIALES

PARA LOCALIZAR RAPIDAMENTE UNA ESCENA ESPECIFICA

Oprimir el botón de localización (SEARCH).

PARA CONGELAR UNA IMAGEN

- · Oprimir el botón de pausa/imagen fija (PAUSE/STILL).
- Oprimir nuevamente el botón cuando se desea continuar reproduciendo.

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

