

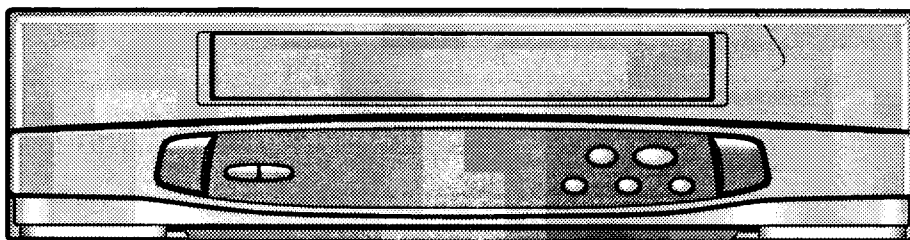
# SANYO

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## INSTRUCTION MANUAL

# VHR-510

Video cassette recorder

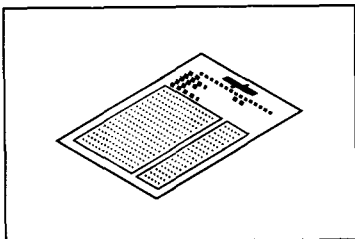


**VHS**  
PAL

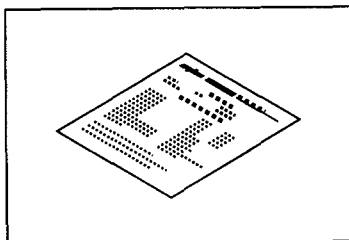
### NOTE

This manual covers the model **VHR-510**, which is sold in New Zealand and in Australia.

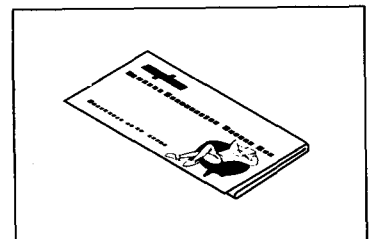
The warranty offered is different according on where the unit is sold. For customers in New Zealand, please refer to the Warranty card for New Zealand. For customers in Australia, please refer to the Warranty card and to the Extended Manufacturer's Warranty Plan for Australia.



Warranty card for New Zealand



Warranty card for Australia



Extended Manufacturer's  
Warranty Plan for Australia

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Please read carefully before using the VCR

Make sure to make these settings before operating the VCR.

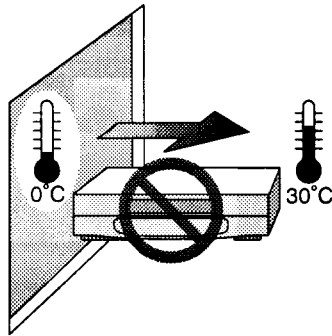
This VCR is based on a VHS-PAL signal system. Only video cassette bearing the **VHS** symbol can be used.

## Caution concerning condensation

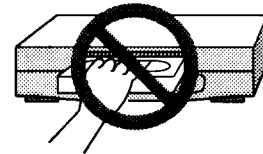
### Be careful of condensation

Condensation is the moisture that forms on the outside of a glass when you fill it with cold water. Condensation can also form inside a VCR when it is suddenly moved from a cold place to a warm, humid one, or when a heater has been turned on to quickly heat the room.

Particular care must be taken with your VCR because water particles that form on the video head drum, which is the main VCR mechanism, can cause the video tape to stick to the drum. This prevents proper tape travel and may damage both tape and mechanism.



**Do not insert a video cassette if you use this VCR in areas subject to condensation.**

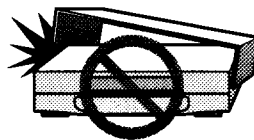


- ❶ Plug the power cord (supplied) into the **AC IN ~** on the rear of VCR.
- ❷ Insert the plug of this power cord into a wall socket.
- ❸ Press the **POWER** button.
  - The video head will warm up and the drying of any water particles will be faster.

**Wait for 1-1/2 to 2 hours before using the VCR.**

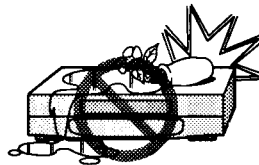
- It takes about 1-1/2 to 2 hours to completely eliminate condensation.

## Safety precautions



### DANGER:

This VCR contains live parts. Do not remove the cabinet.



### WARNING:

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



### CAUTION:

Do not put your hand or other objects in the cassette loading slot because of the risk of injury or an accident. Be sure to keep small children away from the VCR.

The unauthorized recording of television programmes, video tapes, films and other such material may infringe upon copyright or the rights of third parties.

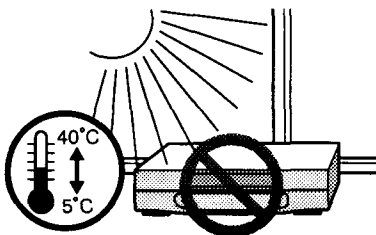
## Operating precautions

### Note:

If the unit does not operate properly, switch it off, refer to the "TROUBLESHOOTING" or consult a dealer or a service center.

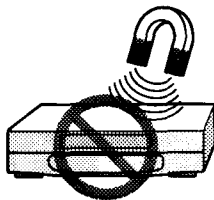


Place the VCR on a flat, stable, level surface. Never subject it to violent shaking or any other shock or impact.



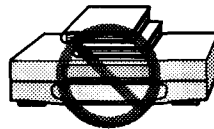
Do not expose the unit to high temperatures. Excessive heat (heat sources such as heaters, ovens, closed car on hot days, etc.) may damage the unit.

Be sure to use this VCR only in a temperature range of 5°C to 40°C (41°F to 105°F) and at less than 80% humidity.

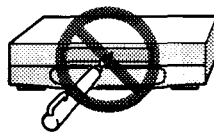


Do not use the unit under the following conditions:

- in locations with high humidity
- in presence of excessive dirt or dust
- in areas subject to strong vibrations
- near strong magnetic fields (e.g. transmitting antennas, motors, fluorescent lights, etc.)



Do not stack anything on top of your VCR, or block the air vents, to prevent damaging or overheating.



Do not place anything, except VHS video cassette tapes, in the unit.

Do not allow rain, steam, dew, salt water, sand, oily smoke, metal objects, etc. entering the unit.



Clean with a dry and soft cloth, or soft cloth slightly moistened with a mild detergent solution.

Do not use any type of solvent, such as alcohol or benzine.

### Power on/off

Power is switched on/off by pressing the **POWER** button.

#### Power off display



#### Power on display



"Power off" is the condition in which only the time is displayed.

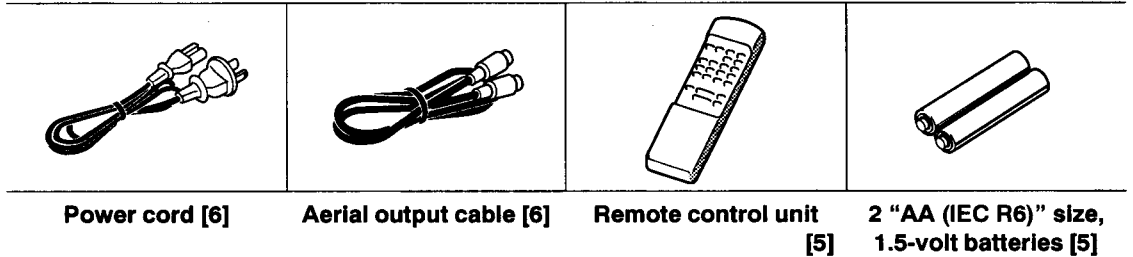
### Note:

Disconnect the power cord from the wall socket if the VCR is not to be used for a long time.

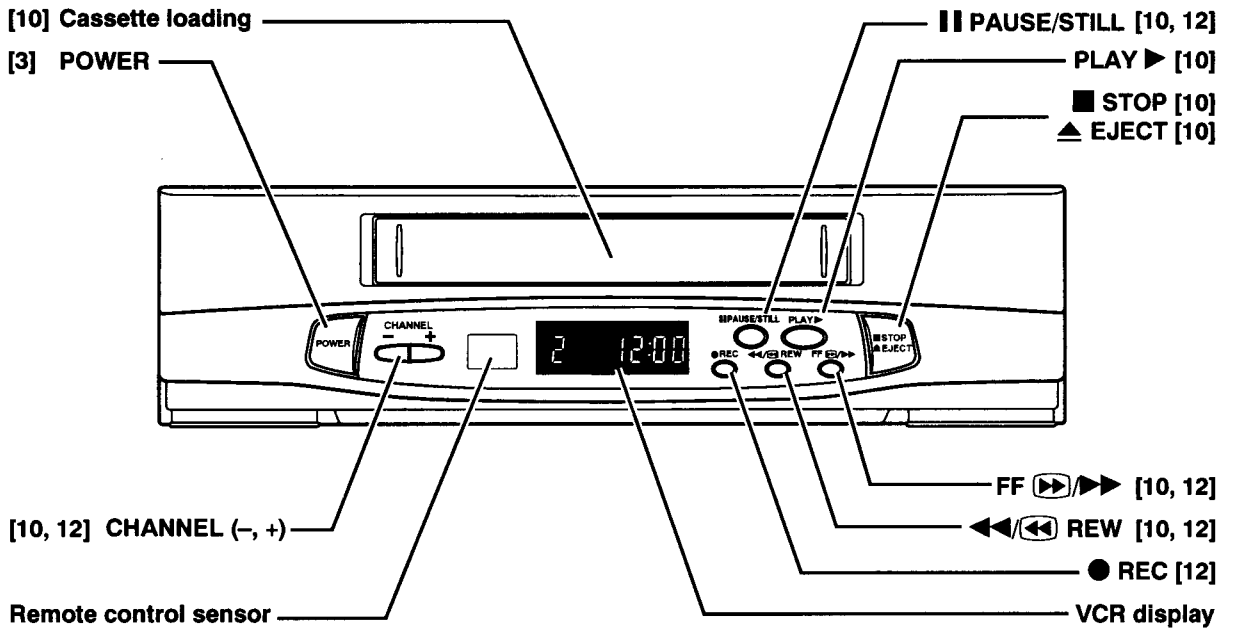
[ ]: Reference pages are shown in square brackets.

### Accessories

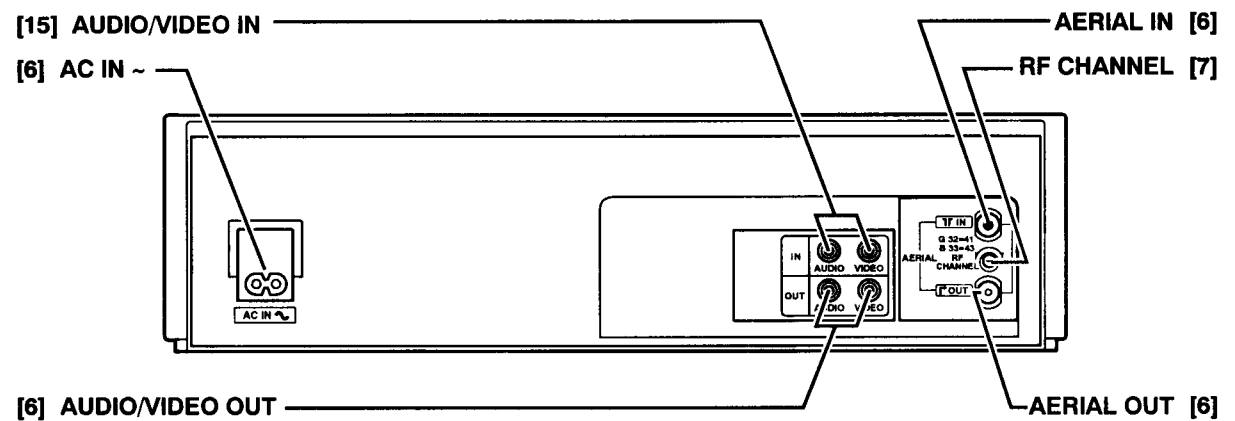
Is everything in the box?



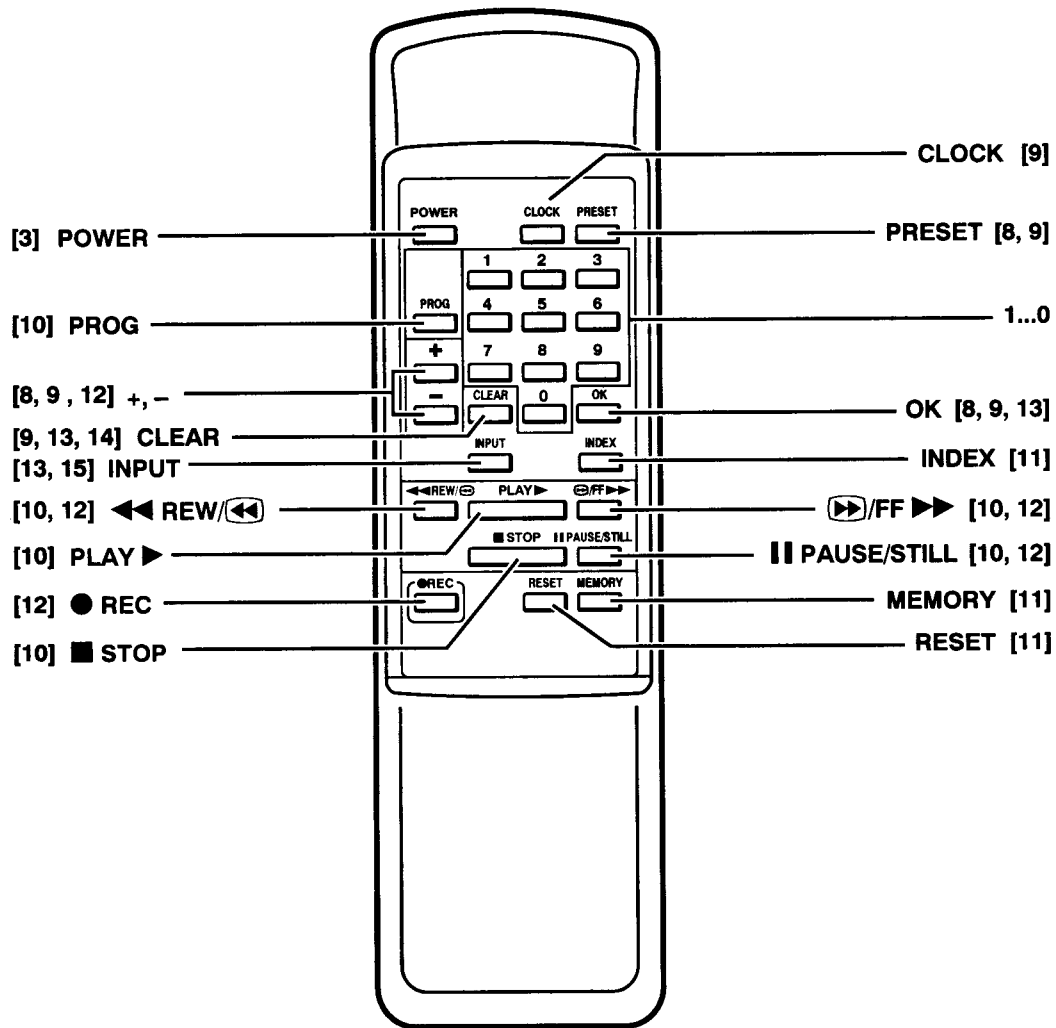
### Front panel



### Rear panel

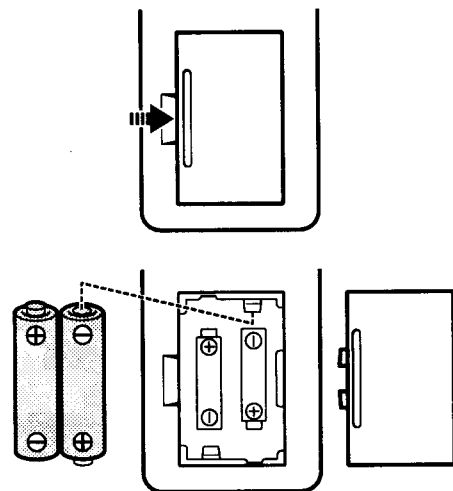


## Remote control



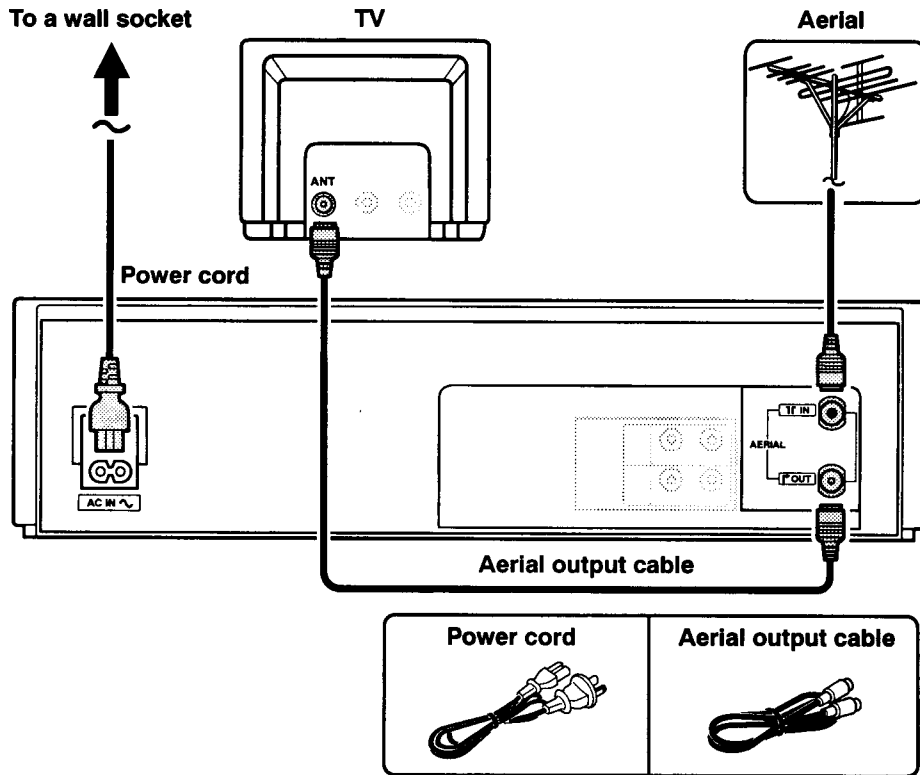
## Remote control batteries insertion

- ❶ Slide open the lid.
  - ❷ Insert 2 "AA (IEC R6)" 1.5 volt batteries (supplied) according to the ⊕ and ⊖ signs.
  - ❸ Replace the lid.
- Operate the remote control unit within a range of approx. 30° from the front of the VCR.
  - Operate the unit within approx. 6m (20 ft.) from the front of the VCR.
  - The battery life under normal operating conditions is about six months. If the batteries become weak, the operating distance will decrease; when this occurs, replace the batteries.
  - If the remote control unit is not to be used for a long period of time, remove the batteries.

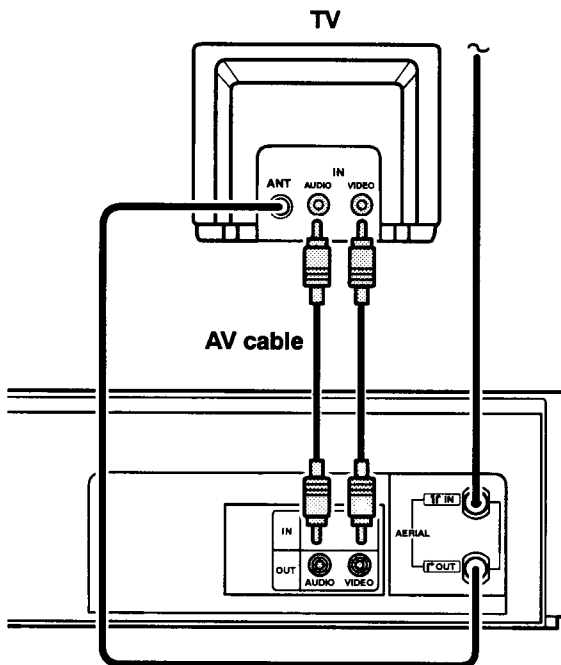


## Aerial/Rf connection

Connect as indicated below.



## AV connection



If your TV receiver has an AV terminal, AV connections are also possible. The AV cable is sold separately.

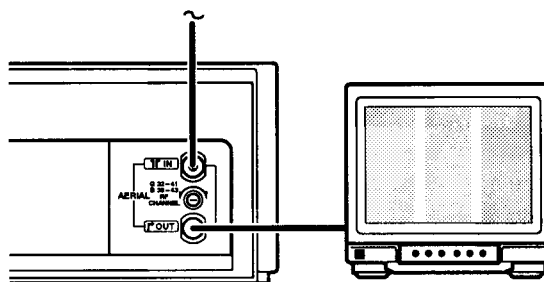
- The advantage of this connection is a higher quality of picture and sound during playback.



## VCR PRESETTING

PREPARATION

After all connections have been made, insert the remote control batteries then proceed to "Adjusting the TV receiver to the video channel" → "Tuning control adjustments" → "Clock setting" to preset the VCR.



**Note:**

If the clock setting and/or the tuning control adjustments are completed before setting the video channel, the test pattern will not appear on the TV screen.

- If in your area, UHF channel 36 (37 – 38) is used by a TV station, follow the steps below.
- 1 Tune the TV receiver to an available UHF channel between channel 32 and 41 (33 and 43).

- 2 Using a small screwdriver, slowly turn the video channel adjustment screw "RF CHANNEL" on the back of the VCR, to the right for a higher channel than 36 (37 – 38) and to the left for a lower channel than 36 (37 – 38).

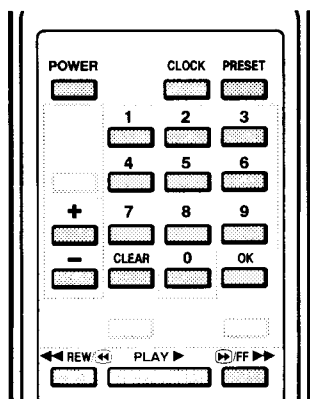
Adjust the tuning on the TV, if necessary, so that the test pattern is clear.

If the test pattern does not appear, set the video channel using a prerecorded VHS video cassette.

- 1 Play back the tape.
- 2 Tune the TV receiver to obtain clear pictures and sound while monitoring playback on the TV screen.

**Before starting**

- Press the **POWER** button.
- Turn on the TV.



### Adjusting the TV receiver to the video channel

If the VCR has been connected to the TV using the "AV connection", simply set the TV to the AV mode. You can skip this step.

When using the "RF connection", follow the steps below.

- 1 Set your TV receiver to "VCR", "AV" or to the position designated for videorecorder use (usually a position where no TV programme is received).
  - For more details, please refer to your TV receiver instruction manual.
- 2 Adjust the tuning on the TV to UHF channel 36 (37 – 38) so that the test pattern (2 vertical bars) is clear.

**This is your video channel.**

- Whenever you play back a tape or watch a TV programme tuned on the VCR tuner, set the TV to your video channel.

Area	RF converter output (Video channel)	
	Factory setting	Range
New Zealand	36	32 – 41
Australia	37 – 38	33 – 43

### Tuning control adjustments

This VCR has a built-in tuner capable of tuning up to 44 TV stations. Each TV station broadcasting channel is memorized by the VCR as a programme position number (01 to 44).

There are two tuning control adjustments methods;

#### "Auto tuning"

The TV stations available in your area will be automatically preset in order starting from programme position number "01".

#### "Manual tuning"

This tuning mode can be used to modify the settings entered by the Auto tuning function, or to manually preset the TV stations to particular programme position numbers.

### Auto tuning

Press both the **CHANNEL** (–, +) buttons on the VCR simultaneously for more than 2 seconds.

- When all available TV stations have been preset, the function will stop and the TV station preset to programme position number "01" will be tuned on your TV screen.
- **If after the Auto tuning operations, you want to change the preset order of some TV stations, it can easily be done by following the steps under "Interchanging the TV stations preset order".**
- The skip function will be automatically set for all position numbers where no TV station has been preset.

#### Notes:

- During the Auto tuning operations, please do not press any of the buttons or controls on the VCR or remote control.
- Auto tuning is not possible if the VCR is set to AV input mode.

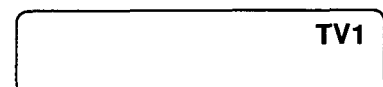
### Interchanging the TV stations preset order

The steps below will let you easily change the programme position number assigned to TV stations.

**Example:** To change TV1 from programme position "03" to programme position "01".

TV station	TV3	TV2	TV1	.....
	1	2	3	.....
Programme position	↓ 3		↓ 1	.....

- 1 Press the **PRESET** button.
- 2 Using the (– or +) button select the desired TV station (e.g. TV1).



- 3 Using the numeric buttons, enter the target programme position number (e.g. "01").



- 4 Press the **OK** button.

#### Note:

When a desired TV station is preset to a position number using this method, it will be interchanged with the TV station already programmed to that position number (if any).

- Repeat steps 2 to 4 to change another TV station programme position number.

- 5 When finished, press the **PRESET** button.

### Skip function

If only programme position numbers 1 to 30 have been preset, set the skip function for programme position numbers 31 to 44, so that only the preset TV stations will appear when pressing the (– or +) button.

**Example:** To skip the programme position number "31".

- 1 Press the **PRESET** button.
- 2 Using the (– or +) button, select the programme position number to skip (e.g. "31").
- 3 Press the **CLEAR** button.
  - The "S" indicator will light.



**Note:**

To cancel the skip function, press the **CLEAR** button again to erase the "S" indicator.

- ④ Press the **OK** button.
- Repeat steps ② to ④ for every programme position number to skip.
- ⑤ When finished, press the **PRESET** button.

**Manual tuning**

**Example:** To preset TV2 to programme position "02".

- ① Press the **PRESET** button.
- ② Using the (- or +) button, select the desired programme position number (e.g. "02").



- ③ Press the **PLAY ▶** button.
  - The broadcast with the next higher frequency is searched and tuned. The search will stop when a broadcast is found.
- If the search stops on a broadcast other than the one desired, press the **PLAY ▶** button again until the broadcast from the desired TV station (e.g. TV2) appears on the TV screen.

**Fine tuning**

When the desired TV station appears on the TV screen, if the tuning is not optimum, it can be improved by manual fine tuning.

- Press the **FF ▶▶** or **◀◀ REW** button to obtain the best possible picture and sound.
- ④ Press the **OK** button when the desired TV station (e.g. TV2) appears on the TV screen.
  - TV2 has been preset to position number "02". At that time the position number will change from "02" to "03".
- Repeat steps ② to ④ to preset another TV station to another programme position number.
- ⑤ When finished, press the **PRESET** button.

**Clock setting**

**Example:** To set December 10, 1995, 16:15.

- ① Press the **CLOCK** button.
- ② Set the date using the numeric buttons.  
Enter **10 12 95**.



- If you entered a wrong number, press the **CLEAR** button to delete it, then enter the correct number.
- ③ Set the time using the numeric buttons.  
Enter **16 15**.

**When the settings are completed...**

- ④ Press the **OK** button.
  - Seconds will start counting from "00" as the **OK** button is pressed.

**Summer/Standard time setting**

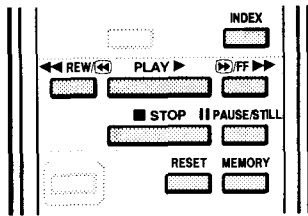
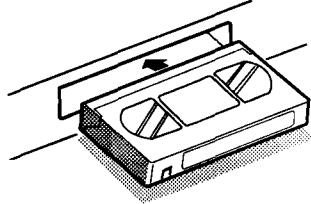
- ① Press the **CLOCK** button.
- ② Each press of the (+, -) button, will advance or retard the clock by 1 hour.
- ③ Press the **OK** button.

**Changing the time/date**

- ① Press the **CLOCK** button.
- ② Continue pressing the **CLEAR** button to clear the digits to correct, then enter the new settings for the date, then for the time, using the numeric buttons.
- ③ Press the **OK** button.

**Before starting**

- Turn on the TV, then set it to the preset video channel or AV mode.
- Insert a recorded video cassette.
  - The cassette-in (●) indicator will light.



- ① Press the **PLAY ▶** button.
- ② To stop the playback, press the **■ STOP** button.
  - To rewind the tape, press the **◀◀ REW** button.
  - To advance (fast-forward) the tape, press the **FF ▶▶** button.
  - To eject the video cassette, press the **▲ EJECT** button on the VCR.

**Auto power on**

The power is automatically switched on as a cassette is inserted while the power to the VCR is turned off.

**Auto play**

The VCR will play back a tape automatically when a video cassette is inserted whose erasure-prevention tab has been removed.

**Auto eject**

When a video cassette without an erasure-prevention tab is played to the end of the tape, the tape will be automatically rewound and then the cassette will be ejected.

**Power off eject**

The video cassette will be ejected when the **▲ EJECT** button is pressed, even if the power to the VCR is turned off.

**Variable playback modes****Forward search**

- ① Press the **FF ▶▶** button during playback or fast-forward operation.
  - The picture can be viewed while the tape is advanced at a fast speed.
- ② Press the **PLAY ▶** button to resume normal playback, or the **FF ▶▶** button to resume fast-forward operation.

**Reverse search**

- ① Press the **◀◀ REW** button during playback or rewind operation.
  - The picture can be viewed while the tape is rewound at a fast speed.
- ② Press the **PLAY ▶** button to resume normal playback, or the **◀◀ REW** button to resume rewind operation.

**Still picture**

- ① Press the **|| PAUSE/STILL** button during normal playback.
  - A still picture can be viewed.
- ② Press the **PLAY ▶** button to resume normal playback.

**If the still picture moves up and down**

- Use the (– or +) button, to correct.
- When noise interference is corrected using the (– or +) button, the settings will be effective until the cassette tape is unloaded. Once the cassette tape is unloaded, the VCR is reset and the next time the VCR is used you may need to do the corrections again.

**Frame advance**

- ① Press the **|| PAUSE/STILL** button during still playback to advance the picture frame by frame.
- ② Press the **PLAY ▶** button to resume normal playback.

**Notes:**

- During variable playback modes the picture may contain some noise or vibration that cannot be corrected. This is not a malfunction.
- If still picture playback is continued for about five minutes, the VCR will automatically change to stop mode in order to prevent the tape from being damaged.

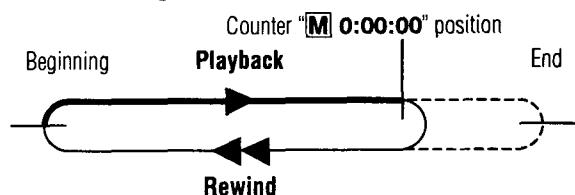
## Endless play

This function will play back a tape to the end, rewind it then replay it again, and again until you stop it.

### Notes:

- During endless play, please do not press **FF** ►►, **◀◀ REW** or **|| PAUSE/STILL** button because the endless play will be cancelled.
- This function can only be activated using the controls on the VCR itself. It cannot be activated from the remote control.

- 1 In the stop or playback mode, first press the **PLAY** ► button then while holding it down press the **◀◀ REW** button.
  - The tape is rewound to the beginning and then playback will start.
- If the counter memory function is used in combination with endless play, the VCR will play back the tape to the counter reading "**M** 0:00:00" then start again from the beginning.



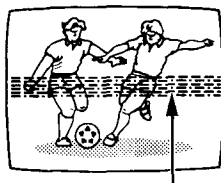
- 2 To cancel the endless play, press the **■ STOP** button.

### Tracking adjustment

If the playback picture shows interference, manually adjust it with the (- or +) button, to minimize the noise.

### Note:

Depending on the cassette tape, you may find that some noise interference cannot be completely corrected using the tracking controls.



Noise interference

## Index search

This VCR will go automatically to the beginning of a recording and start playback.

An index signal is automatically placed at the beginning of each recording made on this VCR. This index can be used to search for the recording you wish to watch.

Index signals are not recorded after a recording pause.

### Note:

Make sure that indexes are at least five minutes apart from each other.

- 1 Press the **INDEX** button while in the stop or playback mode.
  - To cancel the index search mode, press the **INDEX** button again.
- 2 Press the **FF** ►► or **◀◀ REW** button (e.g. **FF** ►►).
  - The search function will start.



- To stop the search function, press the **■ STOP** button.

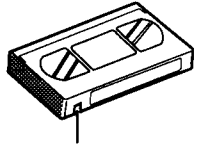
## Counter memory

This convenient feature for finding the beginning of a specific recording etc., is made possible by the "**Linear Time Counter**" that indicates the tape run time in hours, minutes and seconds.

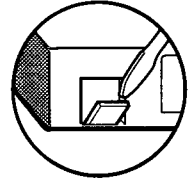
- Whenever you load a cassette tape, the counter is reset to "**0:00:00**".
- When rewinding further back from position "**0:00:00**", the counter shows figures beginning with "-".

- 1 Press the **RESET** then the **MEMORY** button before starting recording or playback.
  - The zero point of the counter is now memorized and the memory indicator "**M**" will illuminate.
- 2 Press the **◀◀ REW** button at the end of the recording, or playback.
  - The tape will be rewound automatically to the memorized position and then stop.
- If you play back a blank tape or a blank portion of tape, the counter will not operate.

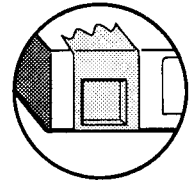
BASIC OPERATION



Erasure-prevention tab



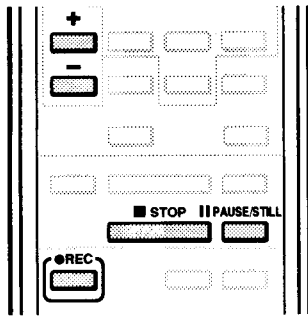
To prevent accidental erasure, remove the tab after recording.



To record again, cover the hole with vinyl tape.

**Before starting**

- Turn on the TV then set it to the preset video channel or AV mode.
- Insert a video cassette with erasure-prevention tab.



- 1 Press the numeric buttons, or the (+ or -) button, to select the TV station to be recorded.
- 2 Press the ●REC button.
  - The "REC" indicator will light, and recording starts.
- 3 To stop the recording, press the ■STOP button.



**Mis-erasure prevention eject**

The cassette will automatically be ejected if recording is attempted on a video cassette without an erasure-prevention tab.

**Auto rewind**

The VCR automatically rewinds the tape when it reaches the end. This function does not operate with timer recording or Quick Start Recording timer.

**If you wish to avoid recording unwanted material**

- 1 During recording, press the || PAUSE/STILL button.
  - The TV picture and sound will not be recorded.
- 2 Press the || PAUSE/STILL button or ●REC button.
  - The recording will resume.

**Note:**

If the record pause mode continues for about five minutes, the VCR will automatically go into the stop mode in order to prevent damage to the tape.

**Quick Start Recording timer**

**Timer recording is simple.**

You can start a recording and then programme when the VCR is automatically recording and turn its power off.

**Note:**

Be sure that the set date and time are correct.

- 1 Press the ●REC button twice.



- 2 Within 10 seconds, set the recording end time by using ●REC and (+ or -) buttons.

(●REC) : units of 30 minutes

(+, -) : units of 1 minute

- The timer indicator (□) will light after the recording end time is set.



- To stop the recording at any time, press the ■STOP button.

**Checking/Changing**

When the ●REC button is pressed during Quick Start Recording, the recording end time will blink for 10 seconds.

The recording end time can be changed by pressing ●REC and (+ or -) buttons during this 10-second period.

**Recording one programme while watching another**

- 1 Start recording the desired TV station programme selected on the VCR.
- 2 Select on the TV receiver the TV station you want to watch.

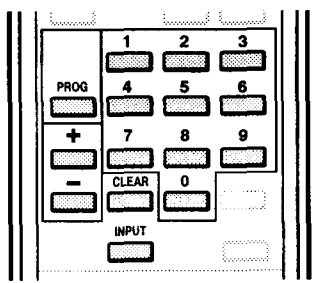
## TIMER RECORDING PROGRAMMING

ADVANCED OPERATION

You can set up to 6 programmes to be recorded upon a period of up to 1 year.

**Before starting**

- Turn on the TV then set it to the preset video channel or AV mode.
- Be sure that the set date and time are correct.
- Insert a video cassette with erasure-prevention tab.



**Example:**

To record a programme from the TV station on programme position "02" from 21:30 to 23:15 on December 25.

- 1 Press the **PROG** button.
- 2 Using the numeric buttons, set the programme position number (e.g. "02")  
Enter **02**.



**To record from an external source**

Press the **INPUT** button. The setting under "PR" (programme position) will change to "L1".

- If a programme position number is already displayed, first press the **CLEAR** button.

**Additional settings**

- Everyday/Weekly recording**  
Press the (+) button repeatedly to select:  
"Ed": for everyday recording  
"WK": for weekly recording (the same programme everyweek)  
**No display:** for one time recording

- 3 Set the date (e.g. December 25)  
Enter **25 12**.



- 4 Set the recording on time (e.g. 21:30)  
Enter **21 30**.



- 5 Set the recording off time (e.g. 23:15)  
Enter **23 15**.



- 6 When all the settings are as desired, press the **OK** button.

- You can programme another recording by repeating steps 1 to 6.

- 7 Press the **POWER** button.
  - The timer indicator (⏻) will light on the VCR display and the VCR goes into timer recording stand-by mode.

**Notes:**

- If there is a power failure during a timer recording, the recording will stop. If the power is returned to the VCR within 60 minutes, the recording will resume if the end time has not yet been reached.
- The (⏻) indicator will flash if no video cassette is loaded when going into timer stand-by mode.
- The (⏻) indicator will flash and the video cassette is ejected if a video cassette with no erasure-prevention tab is loaded.

### Confirmation

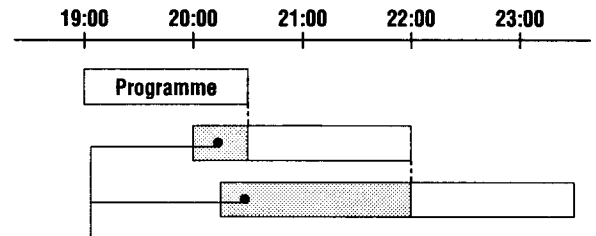
- ❶ Press the **PROG** button twice.
    - "PR-- ----" will be displayed first if less than 6 recordings have been programmed.
  - ❷ Press the **PROG** button repeatedly.
    - The settings (programme position and date) for the programmed recordings are displayed in sequence.
  - ❸ When the settings you want to confirm are displayed, press the (→) button.
    - The date will change to the on time then to the off time.
- To correct a programmed timer recording, first cancel it, then reprogramme it as desired.
  - To return to the clock (counter) display, press the **PROG** button.
  - To cancel a programmed timer recording, continue with step ❹.

### Cancelling

- ❹ When the settings you want to cancel are displayed, press the **CLEAR** button.
- The VCR will automatically return to the clock (counter) display.

### Programme priority

- If several timer recordings have overlapping recording time, the recording with the earliest start time will be recorded first, until the end.



**These portions will not be recorded**

Please refer to "Confirmation" to check recording times.

### Power interruption

If the power to the VCR has failed or has been disconnected for more than 1 hour, the VCR display shows "-- : --".

However, the tuner preset memory will not be erased. So there is no need to retune the VCR stations.

The time, date and recording information regarding future recordings should be reset.

First set the clock see "Clock setting" on page 9. Then set the timer recording programmes again.

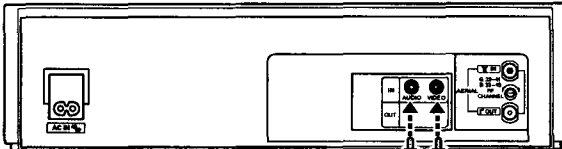


Copying (dubbing) a tape can be done using two video recorders, a playback VCR and a recording VCR.

### Before starting

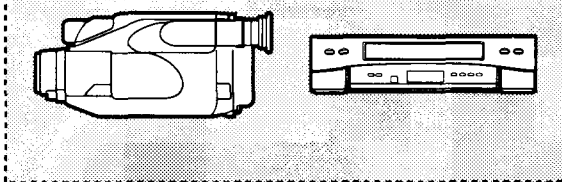
- Connect the **PLAYBACK VCR (or Camcorder)** and the **RECORDING VCR**.

### RECORDING VCR



"L1"

### PLAYBACK VCR (Camcorder)



### for RECORDING VCR

- ① Insert a video cassette with erasure-prevention tab.
- ② Press the **INPUT** button to set the source.
  - "L1" is displayed instead of the programme position number.
- ③ Set to the record pause mode.
  - The record pause mode is set by pressing the ●**REC** button then the ■**PAUSE/STILL** button.

### for PLAYBACK VCR (Camcorder)

- ④ Insert the recorded video cassette.
- ⑤ Start playback by pressing the **PLAY ►** button.

### for RECORDING VCR

- ⑥ When the desired starting position is reached, start recording by pressing the ■**PAUSE/STILL** button or the ●**REC** button.
- ⑦ When the copy is completed, press the ■**STOP** button on the **RECORDING VCR** then on the **PLAYBACK VCR**.

Symptom	Check points
<b>POWER TROUBLE</b>	
<b>No power</b>	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> </ul>
<b>The remote control unit doesn't operate</b>	<ul style="list-style-type: none"> <li>The batteries are low.</li> </ul>
<b>RECEIVER TROUBLE</b>	
<b>No TV programmes received</b>	<ul style="list-style-type: none"> <li>Are the connections between your VCR and TV correct?</li> <li>Was tuning correctly preset?</li> </ul>
<b>Off the air reception on the VCR is poor</b>	<ul style="list-style-type: none"> <li>The video channel setting of the TV receiver does not correspond to the video channel presetting of the VCR.</li> </ul>
<b>PLAYBACK TROUBLE</b>	
<b>Playback picture does not appear</b>	<ul style="list-style-type: none"> <li>The video channel setting of the TV receiver does not correspond to the video channel presetting of the VCR.</li> </ul>
<b>Interference in playback picture</b>	<ul style="list-style-type: none"> <li>Adjust the tracking control.</li> <li>Dust or dirt on video heads. Take the VCR to an Authorized Service Station or dealer.</li> </ul>
<b>RECORDING TROUBLE</b>	
<b>No recording</b>	<ul style="list-style-type: none"> <li>The erasure-prevention tab on the cassette has been removed.</li> </ul>
<b>Timer recording is not possible</b>	<ul style="list-style-type: none"> <li>The starting day and time have not been set correctly.</li> <li>The clock time is not set correctly.</li> <li>There has been a power interruption of more than 60 minutes.</li> </ul>

**General**

Video format:	VHS PAL
Television system:	CCIR: 625 lines, PAL colour signals
Video heads:	2 heads
Tape speed:	23.39 mm/sec
RF converter:	Built-in UHF converter
Converter output:	On channel (G: 32 – 41, B: 33 – 43)
Timer indication:	24-hour indication
Power failure backup:	Approx. one hour
Timer recording:	1 year 6 programmes with every day and weekly recording function
Power requirement:	220-240 V AC, 50Hz
Dimensions (W x H x D):	360 x 97 x 290 mm
Weight:	Approx. 5.4 kg
Power consumption:	20 W (in operation) less than 6 W (power off)

**Electrical characteristics**

Video input:	0.5 - 2.0Vp-p, 75 $\pm$ 5 ohms
Video output:	1.0 $\pm$ 0.2Vp-p, 75 $\pm$ 5 ohms
Audio input:	-8 dBs, more than 50 kohms
Audio output:	-8 dBs, less than 10 kohm
Video S/N:	More than 43 dB
Horizontal resolution:	More than 240 lines

**Appearance and specifications are subject to change without notice.**

**Repairs**

This VCR is a precision instrument and if treated with care will provide satisfactory performance. However, in the event of difficulty, the owner is advised not to attempt to make repairs or open the cabinet. Servicing should always be referred to your dealer or Authorized Service Centre.

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PP2/A2C1P (0495KP-SY01)

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**SANYO Electric Co., Ltd.**  
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