Owner’s Instructions
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#### Symbols

Press/push:  
Hold down:  
Important:  
Note:  
Step number: 

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The document contains instructions and guidelines for users to understand how to use various features and settings of a video cassette recorder (VCR). It covers topics such as connecting the VCR to other equipment, recording and playing back TV broadcasts, troubleshooting, and other advanced features. The content is structured in sections that detail specific actions and procedures, ensuring users can navigate the VCR effectively. The symbols are used to indicate actions that require pressing or holding down buttons, as well as to highlight important information.
Getting Started

Thank you for purchasing a SAMSUNG Video Cassette Recorder (VCR). Together with your VCR, you will find the following accessories in the box.

- Remote Control (AC59-00010D)
- Batteries "AAA" (AC43-12002H)
- Owner’s Instructions (AC68-00401A)
- Coaxial Cables (AC39-42001L, AC39-42001J)
- RF Adaptors (M:3705-001095, F:3705-001096)

Your Owner’s Instructions contain much valuable information on setting up and using your VCR. Please take the time to read them as they will help you take full advantage of the VCR’s features.

The manual is organized as follows:
- A series of step-by-step procedures for each function available forms the main body of the manual.
- You can consult the glossary on page 49, to obtain an explanation of the main technical terms used throughout this manual.
- On pages 6 and 7, you will find illustrations of the VCR (front and rear), the display and the remote control unit to help you find the buttons and understand the symbols displayed.

Preparing Your Video Cassette Recorder

Before being able to play and record video cassettes, you must prepare and connect your VCR.
- Insert batteries in the remote control.
- Connect your VCR to the television.
- Set the date and time used to display information on the television screen.
- Preset the stations.

All these operations are essential, so you must follow the step-by-step instructions carefully.
Worldwide VCR Background

“Worldwide Communication through VCR”

Today, the Video Recorder is a major media and communication tool, used for both business and home entertainment. Furthermore, the emergence of the camcorder has extended the versatility of video, enabling home video making.

Video communication is increasingly becoming a global medium, but different TV broadcasting systems around the world hinder the worldwide exchange of video tapes.

The Samsung SV-5000W overcomes the incompatibility of different TV broadcasting systems through sophisticated digital technology, allowing any standard VHS tape to be played on any TV, anywhere in the world (with free voltage).

Worldwide TV Color System

Many countries have different TV signal formats, with no exchangeability between them. This makes it impossible to play back or record tapes with different signal formats. This worldwide common VCR overcomes this problem by converting the signal format of any tape into the format you desire.

Comparison of TV color systems

<table>
<thead>
<tr>
<th></th>
<th>NTSC</th>
<th>NTSC4.43</th>
<th>PAL-M</th>
<th>PAL</th>
<th>PAL-N</th>
<th>SECAM</th>
<th>MESECAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of scanning lines</td>
<td>525</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field frequency</td>
<td>60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Line frequency</td>
<td>15.734KHz</td>
<td>15.734KHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color signal modulation system</td>
<td>Sub carrier suppression quadrature modulation</td>
<td>FM modulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color signal frequency</td>
<td>3.579545 MHz</td>
<td>4.433619 MHz</td>
<td>3.575611 MHz</td>
<td>4.433619 MHz</td>
<td>3.582056 MHz</td>
<td>DB 4.25MHz</td>
<td>DR 4.40625MHz</td>
</tr>
<tr>
<td>Burst signal</td>
<td>Fixed phase</td>
<td>Inverted by 1 H</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Classification of TV color systems by country

- **NTSC** : Korea, U.S., Canada, Japan, Taiwan, and Philippines
- **PAL** : United Kingdom, Germany, Western Europe, China, and Singapore
- **SECAM** : France, Eastern Europe, and CIS
- **PAL-M** : Brazil
- **PAL-N** : Argentina (The tape is the same as that of PAL)
- **NTSC4.43** : Pseudo NTSC signal which is made to use NTSC tape in the Middle East (The tape is the same as that of NTSC3.58)
- **MESECAM** : The name of a tape which uses the SECAM signal recording method. The output signal during playback is SECAM signal.

* SV-5000W accepts all worldwide Broadcasting systems except SECAM-L (France region).

Worldwide Broadcasting system is B/G, I, D/K, M, N, L.

Multi-System VCR vs Worldwide VCR

The Worldwide VCR is similar to the Multi-System VCR in that it will play back tapes recorded in any TV Broadcasting System. However, there are a few key differences:

- **With a Multi-System VCR:**
  - The TV must correspond to the system of the tape being played; otherwise, a Multi-System TV is also required.
  - Tape duplication with system conversion (eg NTSC to PAL) is not possible.

- **With the Worldwide VCR:**
  - Tapes can be played on any TV monitor;
  - Recordings can be made in any TV Broadcasting System, even if the tape is of a different system;
  - Tape duplication with system conversion is possible.
System Conversion with the Worldwide VCR

System conversion is the most complex digital process undertaken by the Worldwide VCR, converting the "input" into a different "output", e.g. from NTSC to PAL, or from PAL to SECAM.

One of the most useful functions of the Worldwide VCR is the combination of tape duplication and system conversion, more simply known as "Tape Conversion". This allows the user to copy, for example, a SECAM tape and simultaneously convert it to PAL or NTSC. This is particularly useful for duplicating home video camcorder recordings and sending them to friends or relatives abroad.

### Input Selection

VCR automatically selects the correct TV broadcast system of the input signal:

- **A. When Recording**
  - The 'input' is the external TV signal or the output from a second VCR or LD.

- **B. During Playback**
  - The 'input' comes from the tape loaded for playback.

### OUTPUT SELECTION

The broadcast system of the tape - on which the recording is to be made - is selected on the VCR 'output' panel:

- **A. When Recording**
  - Recording in the desired TV system.

- **B. During Playback**
  - Playback can be viewed on any monitor.

### System Conversion

VCR digitally converts scanning lines, frequency fields and color signal into the desired system as selected in step II:

- **A. When Recording**
  - VHS Tape
  - Any VHS Tape
  - Corresponding VCR

- **B. During Playback**
  - Any VHS Tape
  - Corresponding VCR

---

### Chart

<table>
<thead>
<tr>
<th>INPUT</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC 3.58</td>
<td>NTSC 3.58</td>
</tr>
<tr>
<td>NTSC 4.43</td>
<td>NTSC 4.43</td>
</tr>
<tr>
<td>PAL</td>
<td>PAL</td>
</tr>
<tr>
<td>PAL-M</td>
<td>PAL-M</td>
</tr>
<tr>
<td>PAL-N</td>
<td>PAL-N</td>
</tr>
<tr>
<td>SECAM</td>
<td>SECAM</td>
</tr>
<tr>
<td>MESECAM (TAPE ONLY)</td>
<td>MESECAM (TAPE ONLY)</td>
</tr>
</tbody>
</table>
Deciding How to Connect Your VCR

You must take into account various factors when deciding how to connect up your various audio and/or video systems.

- Types of connectors available on your systems.
- Systems connected permanently to the VCR (satellite receiver for example) or from time to time (camcorder for example).

Your VCR is equipped with the following connectors.

<table>
<thead>
<tr>
<th>Connector</th>
<th>Location</th>
<th>Type</th>
<th>Direction</th>
<th>Recommended Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>AV</td>
<td>Rear</td>
<td>SCART</td>
<td>In/Out</td>
<td>Television</td>
</tr>
<tr>
<td>LINE 1</td>
<td>Front</td>
<td>Audio/Video RCA</td>
<td>In</td>
<td>Audio system</td>
</tr>
<tr>
<td>LINE 2</td>
<td>Rear</td>
<td>Audio/Video RCA</td>
<td>In</td>
<td>Audio system</td>
</tr>
<tr>
<td>OUT TO TV</td>
<td>Rear</td>
<td>75 Ω coaxial</td>
<td>Out</td>
<td>Television</td>
</tr>
<tr>
<td>IN FROM ANT.</td>
<td>Rear</td>
<td>75 Ω coaxial</td>
<td>In</td>
<td>Antenna</td>
</tr>
</tbody>
</table>

Whenever you connect an audio or video system to your VCR, ensure that all units are switched off. 

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.
You must insert or replace the batteries in the remote control when:

- purchase the video cassette recorder; or
- find that the remote control is no longer working correctly.

1. Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.

2. Insert two AAA or equivalent batteries (supplied), taking care to respect the polarities:
   - + on the battery with + on the remote control.
   - – on the battery with – on the remote control.

3. Replace the cover by aligning it with the base of the remote control and pushing it back into place.

The VCR automatically displays the initial setting MENU when the VCR is plugged into the AC outlet for first time.

1. Plug the VCR into the AC outlet.
   Result: The **LANGUAGE SET** is displayed.

2. Press the ↓, ← and OK button to select your favorite language.
   Result: The **COUNTRY SET** is displayed.

3. Press the ↓, ← button to select your country region.
   Result: The country list is displayed.

4. Press the ↓, ← and OK button to select your country.
   ➢ If your country does not appear in the country list, then select OTHERS.
**USER SET1 Setting**

The user set is initially set at the factory. If you want to make any changes to the USER SET, please follow the instructions below.

1. Press MENU on the remote control.  
   **Result:** The programming menu is displayed.

2. Press the , , or button to select user set.  
   **Result:** The USER SET1 is displayed.

3. Press the , , or to select the USER SET1 item.

4. Check below to change the item.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>USAGE</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAPE SELECT</td>
<td>tape length select</td>
<td>Select the recording tape type for remain time.</td>
</tr>
<tr>
<td>CLOCK TYPE</td>
<td>12H/24H mode</td>
<td>Select your favorite clock type.</td>
</tr>
<tr>
<td>PLAY SYSTEM</td>
<td>play tape system selection</td>
<td>The VCR automatically selects the play system. If an auto detection error occurs, then select the play system manually.</td>
</tr>
<tr>
<td>OSD</td>
<td>OSD display on/off</td>
<td>Initial setting is on.</td>
</tr>
<tr>
<td>USER SET2</td>
<td>USER SET2 select</td>
<td>Select to go to USER SET2 page.</td>
</tr>
</tbody>
</table>

**USER SET2 Setting**

1. Press MENU on the remote control.  
   **Result:** The programming menu is displayed.

2. Press the , , or button to select user set.  
   **Result:** The USER SET2 is displayed.

3. Press the , , or to select the USER SET2.

4. Press the , , or to select the USER SET2 menu item.

5. Check below to change the item.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>USAGE</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAP</td>
<td>SAP on/off</td>
<td>Initial mode is SAP OFF.</td>
</tr>
<tr>
<td>COLOR</td>
<td>COLOR or B/W select</td>
<td>Color off mode is B/W. If color distortion occurs in the play or conversion mode, then select color off mode.</td>
</tr>
<tr>
<td>BLUE SCREEN</td>
<td>BLUE SCREEN on/off</td>
<td>Initial is blue screen on. If any problem occurs with the blue screen, then select blue screen off.</td>
</tr>
<tr>
<td>SQPB</td>
<td>S-VHS Playback</td>
<td>See page 31.</td>
</tr>
<tr>
<td>USER SET1</td>
<td>USER SET1 select</td>
<td>Select to go to USER SET1 page.</td>
</tr>
</tbody>
</table>

**Setting the Date and Time**

Your VCR contains a 12H/24H clock and calendar used to:
- preset your VCR to record a program automatically.
- you purchase the video cassette recorder.
- Do not forget to reset the time when you change clocks from standard to daylight savings time and vice versa.

1. Press MENU on the remote control.  
   **Result:** The programming menu is displayed.

2. Press the , , or buttons, until the hour, minutes, day, month and year.  
   **Result:** The option selected flashes.

3. Press the or button to select this option.  
   **Result:** The CLOCK SET menu is displayed.

4. Press or to select the hour, minutes, day, month and year.  
   **Result:** The option selected flashes.

5. Press the or buttons to increase or decrease the value.  
   **Result:** You can hold the or buttons down to scroll more quickly through the values.

6. On completion, press MENU twice to exit the menu.

**To turn On-Screen Information on/off**

Your VCR displays most information both on the VCR and television. You can choose to turn this information on/off the television screen (except for the Index, Timer Programming function, Picture, which cannot be turned off).

1. Press MENU on the remote control.  
   **Result:** The programming menu is displayed.

2. Press the corresponding , or button, until the cursor is placed in front of the USER SET option.  
   **Result:** The SAP menu is displayed.

3. Press the button to select this option.  
   **Result:** The SAP setting is displayed.

4. Press the corresponding , or button, until the cursor is placed in front of the SAP option.  
   **Result:** You can hold the or buttons down to scroll more quickly through the values.

5. On completion, press MENU twice to exit the menu.
Setting the VCR RF out System

The VCR RF out system and channel is used to connect the SV-5000W to a TV with RF coaxial jacks. The RF out system is automatically set by country selection (See page 18).

➢ If your selection of the country set is U.S.A., the RF out system is automatically set to U.S.A-M system.

If after making your country selection, you have picture distortion or no sound, you must set the RF out system and channel manually. Change the RF out system according to the table below.

<table>
<thead>
<tr>
<th>TV Broadcast system</th>
<th>RF out system</th>
<th>NATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>M</td>
<td>U.S.A, CANADA, KOREA, JAPAN, BRAZIL, --</td>
</tr>
<tr>
<td>N</td>
<td>M</td>
<td>URUGUAY, ARGENTINA, --</td>
</tr>
<tr>
<td>B/G</td>
<td>G</td>
<td>GERMANY, ITALY, SPAIN, --</td>
</tr>
<tr>
<td>I</td>
<td>I</td>
<td>U.K, HONGKONG, --</td>
</tr>
<tr>
<td>D/K</td>
<td>K</td>
<td>CHINA, CIS, --</td>
</tr>
</tbody>
</table>

➢ If you want to know the broadcast system of your specific country, see the World Broadcast Systems (page 50).

*SECAM (FRANCE) is not available on this VCR.

Setting the RF OUT CHANNEL

The initial setting of the RF OUT channel is off. In order to view signals from the RF out connector on your TV, you must set the RF OUT channel on the VCR to match the TV channel.

1. Press MENU on the remote control.
   Result: The programming menu is displayed.
2. Press the ● or ● buttons to select installation.
   Result: The installation menu is displayed.
3. Press the ● or ● buttons to select MANUAL SET UP.
   Result: The MANUAL SET UP menu is displayed.
4. Press the ● button until the cursor is placed in front of RF OUT CHANNEL.
5. Press the ● or ● buttons to change the RF OUT CHANNEL.
   Result: The RF OUT channel is changed.

➢ Your VCR RF out channel may need to be changed if there is no picture or the picture suffers from interference.

For better picture and sound quality, connect your VCR to the TV using the RCA cable (if the appropriate RCA input is available on your TV).
Presetting the Stations Automatically

Your VCR contains a built-in tuner used to receive television broadcasts. It can also receive cable television broadcasts. You must preset the stations received through the tuner. This can be done:

- automatically (see page 20);
- manually.

1. Press the MENU button on the remote control.
   Result: The programming menu is displayed and the cursor is automatically placed in front of the AUTO SET UP option.

2. Press the button to select AUTO SET UP.

3. Press OK to start the Auto scanning.
   Result: The AUTO indication flashes on the VCR display.
   ➢ The number of channels automatically stored by the VCR depends on the number of channels that have been found (reception conditions, etc).

4. To exit AUTO TUNING, press the MENU button.
   ➢ Once the Auto scanning procedure has finished, some channels may have been stored more than once. Select the channels with the best reception and delete the ones no longer required. (see page 21.)

Presetting the Stations Manually

Your VCR contains a built-in tuner used to receive television broadcasts. It can also receive cable television broadcasts. You must preset the stations received through the tuner. This can be done:

- automatically (see page 20);
- manually.

1. Press the MENU button on the remote control.
   Result: The programming menu is displayed.

2. Press the corresponding or buttons, until the cursor is placed in front of the INSTALLATION option.

3. Press the button to select this option.
   Result: The INSTALLATION menu is displayed.

4. Press the corresponding or buttons, until the cursor is placed in front of the MANUAL SET UP option.

5. Press the corresponding or buttons, until the cursor is placed in front of the CH ADD/DELETE option.

6. Press the or button to select channel that you want to memorize or delete.

   If you:

   - wish to store the displayed channel: press OK buttons to memorize current channel.
   - wish to delete the channel displayed: press CLR/RST button to delete current channel.

7. Press OK button to memorize.
   Result: The selected channel is memorized.

8. Press CLR/RST button to delete.
   Result: The selected channel is deleted.
Recording a Program

Before recording a program, you must have preset the corresponding channel (unless you are recording via an external video source). If you have not done so, refer to pages 20 and 21.

1. Switch on the television.
2. To monitor the program being recorded, select the television AV input.
3. Insert the cassette on which the program is to be recorded. Result: The VCR is switched on automatically.
4. Select:
   - the selected channel to be recorded using the CH ( or ) buttons;
   - or
   - the AV source using the INPUT button for a satellite tuner or external video source. Result: The channel number is displayed and the program can be seen on the television.
5. Select the recording speed by pressing the REC.SPEED button as many times as required (see page 22).
6. Press the REC button for at least one second to start recording. Result: The record indicator appears on the television and VCR display. An index is recorded on the tape (see page 36).
7. To stop recording, press STOP ( ) once.

➢ If the cassette is ejected when you start recording, check that the safety tab is intact or the opening is covered with adhesive tape.

➢ If you reach the end of the tape while recording, the cassette rewinds automatically.

You can stop recording temporarily (pause mode), to avoid recording commercials or to change channels for example.

To:
   - press:

   - stop recording temporarily P/STILL
   - start recording again P/STILL or REC.

If the VCR is left in pause mode for more than ten minutes, recording will be stopped automatically to protect the heads and the cassette.

Selecting the Cassette Type

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.

1. Press MENU on the remote control. Result: The programming menu is displayed.
2. Press the ● or ● button, until the cursor is placed in front of the USER SET option.
3. Press the ● button to select this option. Result: The cursor is set to the TAPE SELECT option.
4. Press the ● or ● button as many times as required, until the correct cassette length is displayed.
   - E180/T120
   - E240/T160
   - E300
5. Press MENU twice to exit the menu.

Selecting the Recording Speed

You can record a cassette at two different speeds:

<table>
<thead>
<tr>
<th>Type</th>
<th>Recording Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL/SECAM/MESECAM</td>
<td>NTSC/PAL-M</td>
</tr>
<tr>
<td>E-180/T120</td>
<td>180 mins</td>
</tr>
<tr>
<td>E-240/T160</td>
<td>240 mins</td>
</tr>
<tr>
<td>E-260/T180</td>
<td>260 mins</td>
</tr>
<tr>
<td>E-300</td>
<td>300 mins</td>
</tr>
</tbody>
</table>

PAL/SECAM/MESECAM:
- SP (Standard Play)
- LP (Long Play)
- SL (Super Long Play)

NTSC/PAL-M:
- SP (Standard Play)
- LP (Long Play)

In Long Play or Super Long Play modes:
   - the recording is of a slightly lower quality.

To record a cassette:
   - Press the REC.SPEED button on the remote control, until:
     - in standard play mode SP is displayed.
     - in long play mode LP is displayed (PAL/SECAM/MESECAM).
     - in super long play mode SL is displayed (NTSC/PAL-M).

Protecting a Recorded Cassette

Video cassettes have a safety tab to prevent accidental erasure. When this tab has been removed, you cannot record on the tape.

1. If you wish to protect a cassette, break off the tab using a small screwdriver.
2. To re-record over a protected cassette (safety tab broken), cover the hole with adhesive tape.
Recording a Program with Automatic Stop

This function enables you to record up to nine hours of programs. Your VCR stops automatically after the preset length of time.

1 Switch on the television.
2 Select the AV input on the television for use with your VCR.
3 Insert the cassette on which the program is to be recorded.
   Result: The VCR is switched on automatically.
4 Select:
   - the station to be recorded using the CH ( or ) buttons ;
   - the AV source using the INPUT button for a satellite tuner or external video source
   Result: The channel number is displayed and the program can be seen on the television.
5 Select the recording speed by pressing the REC.SPEED button as many times as required (see page 22).
6 Press the REC button for at least one second to start recording.
   Result: The record indicator appears on the television screen and VCR display. An index is recorded on the tape (see page 36).
7 Press the REC button several times to increase the recording time in:
   - 30-minute intervals up to four hours ; or
   - 1-hour intervals up to nine hours.
   Result: The length is displayed on the VCR and television displays. The selected program is recorded for the length of time requested. At the end of that time, the VCR stops recording automatically.
8 If you wish to cancel the recording before the end, press POWER.
   ➢ If the end of the tape is reached while recording:
     - the recording stops ; and
     - the VCR automatically turns off.

Using the Timer Programming Feature

The Timer Programming feature enables you to preset the VCR to record a program up to one month before it is to be broadcast. Up to six programs can be preset.

1 Insert the cassette and press the TIMER button.
   Result: The Timer selection is displayed.
2 Press ● to select the standard timer.
3 Select the required channel by pressing the ● or ● buttons or INPUT to select the SC, AV, L or L2 input sources.
4 Press ● to select the recording day.
5 Select the required day by pressing the ● or ● buttons.
   ➢ DLY (daily program),
   ➢ W-SU, W-MO, ....., W-SA (weekly program).
6 Press ● to select the recording start time.
7 Select the required hour value by pressing the ● or ● buttons.
8 Press ● to select the minutes.
9 Select the required minute value by pressing the ● or ● buttons.
10 Press ● to select the recording stop time.
11 Select the required recording stop time by pressing the ● or ● buttons, following the same procedure as when selecting the recording start time.
12 Press ● to select the REC SYSTEM.
13 Select the required recording system value by pressing the ● or ● buttons. Offset value is THROUGH.
14 Press ● to select the recording speed.
15 Select the required recording speed value by pressing the ● or ● buttons. Offset value is:
   ➢ if you select AUTO mode, the VCR compares the timer duration with the remaining time on the cassette.
   ➢ If the tape is not long enough, the speed automatically changes from SP to LP/SLP.
16 When you have finished, press the MENU button.
   Result: SET is displayed, indicating that the VCR has been programmed.
17 Press the VCR POWER button to activate the timer.
With VCR Plus+, each channel is assigned a VCR Plus+ guide number, which can be found in most TV program guides. Before using VCR Plus+, you must set up your Guide Channel. Set clock first (page 17).

1. To enter a Plus Code, press the TIMER button. Press the → and ← buttons to select “VCR Plus”.
2. Locate the program’s Plus Code in a local TV program guide. Press up to eight number buttons to set the Plus Code. Use ← to correct any mistakes.
3. Press OK to save the code. The channel number appears on the left side. The start and end recording times, recording date and speed also appear.
4. Press MENU to finish. Check whether there is enough time left on the video tape to record the program.
5. To stop a Timer Recording, press the VCR POWER button. When using a cable decoder box, make sure the decoder box is on.

VCR Plus+ Recording (AMERICA Only)

VCR Plus+ selects programs to be recorded with a Plus Code number, usually found in most of the program listings. Before using VCR Plus+, you must set up your Guide Channel.

1. Press MENU for the Main Menu. Press → and ← to select “INSTALLATION”.
2. Press → and ← to select “MANUAL SET UP”.
3. VCR Plus+ Guide channel numbers appear on the top row. Receiving channels are on the bottom. Press → or ← to select a VCR Plus+ Guide channel number.
4. Press → or ← for the correct receiving channel number. For example: If receiving channel 23 corresponds to the VCR Plus+ Guide channel 45, press → and ← until 45 appears in the top row of numbers with the downward pointing arrow directly below. Press the → and ← until 23 appears on the bottom row. The channel number that changes is always the receiving channel rather than the VCR Plus+ Guide channel.
5. Press → or ← to select the next VCR Plus+ Guide channel number. Enter all the receiving channel numbers and press MENU to finish.

VCR Plus+ Set up (AMERICA Only)

With VCR Plus+, each channel is assigned a VCR Plus+ guide number, which can be found in most TV program guides. Before using VCR Plus+, you can use this system when recording. Before using VCR Plus+, set the channel and VCR Plus+ numbers to match.

VCR Plus+ is trademark of Gemstar Development Corporation. Be sure to select the correct signal source (Antenna/Cable TV depending on your hook-up) before performing Guide Channel Setup.

1. Press MENU for the Main Menu. Press → and ← to select “INSTALLATION”. Press → and ← to select “MANUAL SET UP”.
2. Press → to select “GUIDE CH SET UP”.
3. VCR Plus+ Guide channel numbers appear on the top row. Receiving channels are on the bottom. Press → or ← to select a VCR Plus+ Guide channel number.
4. Press → or ← for the correct receiving channel number. For example: If receiving channel 23 corresponds to the VCR Plus+ Guide channel 45, press → and ← until 45 appears in the top row of numbers with the downward pointing arrow directly below. Press the → and ← until 23 appears on the bottom row. The channel number that changes is always the receiving channel rather than the VCR Plus+ Guide channel.
5. Press → or ← to select the next VCR Plus+ Guide channel number. Enter all the receiving channel numbers and press MENU to finish.

VCR Plus+ selects programs to be recorded with a Plus Code number, usually found in most of the program listings. Before using VCR Plus+, you must set up your Guide Channel. Set clock first (page 17).

1. To enter a Plus Code, press the TIMER button.
2. Locate the program’s Plus Code in a local TV program guide. Press up to eight number buttons to set the Plus Code. Use ← to correct any mistakes.
3. Press OK to save the code. The channel number appears on the left side. The start and end recording times, recording date and speed also appear.
4. Press MENU to finish. Check whether there is enough time left on the video tape to record the program.
5. To stop a Timer Recording, press the VCR POWER button. When using a cable decoder box, make sure the decoder box is on.

VCR Plus+ Recording (AMERICA Only)

VCR Plus+ selects programs to be recorded with a Plus Code number, usually found in most of the program listings. Before using VCR Plus+, you must set up your Guide Channel. Set clock first (page 17).

1. To enter a Plus Code, press the TIMER button.
2. Locate the program’s Plus Code in a local TV program guide. Press up to eight number buttons to set the Plus Code. Use ← to correct any mistakes.
3. Press OK to save the code. The channel number appears on the left side. The start and end recording times, recording date and speed also appear.
4. Press MENU to finish. Check whether there is enough time left on the video tape to record the program.
5. To stop a Timer Recording, press the VCR POWER button. When using a cable decoder box, make sure the decoder box is on.
This function enables you to play back any pre-recorded cassette.

1. Switch on both the television and your VCR.
2. Select the television AV or AUX input.
3. Insert the video cassette to be played. If the safety tab on the cassette is intact, press PLAY ( ). Otherwise, the cassette is played automatically.

➢ When a cassette is loaded, the tape position is optimized automatically to reduce disturbance (Digital Auto Tracking).

When playing a cassette, if the end of the tape is reached, the cassette is rewound automatically.

4. To:
   - press: stop the playback STOP ( ).
   - eject the cassette EJECT ( ).

Selecting the PLAY SYSTEM Mode

You can choose the PLAY SYSTEM if your system does not match the SV-5000W VCR. This function only needs to be used when there is no color or picture during playback.

1. Press MENU on the remote control.

2. Press the corresponding ● or ● buttons, until the cursor is placed in front of the USER SET option.

3. Press the ● button to select this option.

4. Press the corresponding ● or ● buttons, until the cursor is placed in front of the PLAY SYSTEM option.

5. Press ● or ● buttons until you select the appropriate system is selected.

   Case 1: NTSC or PAL-M Tape Playback
   AUTO ➔ NTSC ➔ PAL-M

   Case 2: PAL, SECAM, MESECAM Tape Playback
   AUTO ➔ PAL ➔ SECAM ➔ MESECAM

6. On completion, press MENU twice to exit the menu.

If you encounter a system error or the picture has no color when in AUTO mode, select the play system manually.

Checking a Preset Recording

You can check your preset recordings:
- when you have finished presetting the VCR;
- or
- if you have forgotten which programs will be recorded.

1. Press the TIMER button and select STANDARD TIMER.
   Result: The preset programs are displayed.

2. Press the ● or ● button to select the required program.

3. Press the ● button to select the CH.

4. Press the ● or ● button to select and change any values as required.

5. On completion, press MENU twice.

Cancelling a Preset Recording

You can cancel any programs that are:
- incorrect;
- no longer required.

1. Press the TIMER button and select STANDARD TIMER.
   Result: The preset programs are displayed.

2. Select the program to be cancelled by pressing the ● or ● button.

3. Press the CLR/RST button to cancel the selected program.
   Result: All the recording information is deleted and the broadcast will not be recorded.

4. On completion, press MENU twice.
Receiving Stereo Broadcasts

The VCR can receive and record stereo broadcasts. It can also be set to record the secondary audio program (SAP) of any broadcast with second language audio. The VCR records the same audio on both the Hi-Fi linear tracks on the tape.

1. Press AUDIO button on the remote control to select stereo. You can also select left, right or mono.
2. When the stereo sound is poor, press the AUDIO button to select mono for sound without noise.

Receiving SAP Broadcasts

1. Press MENU on the remote control and select user set.
2. Press the and buttons to select USER SET2.
3. Press the and buttons to set SAP to ON.
4. Press menu key twice to exit MENU.
5. To select SAP, press the AUDIO button on the remote control until "SAP" is displayed on the screen. "SAP" will be displayed on the TV screen when a SAP broadcast is received.
6. Press the REC button at least one second for SAP recording. When main is displayed, stereo is selected.

SQB (Super VHS Quasi PlayBack)

This function is for playback of Super VHS format tapes only, not for recording.

1. Press MENU on the remote control and select user set.
2. Press the and buttons to select USER SET2.
3. Press the and buttons to set SQPB to ON.

Adjusting Picture Alignment Manually

The Fine Adjustment feature enables you to adjust the alignment manually to obtain the best possible picture.

When noise bars or streaks appear during playback, adjust alignment manually by pressing the TRACKING ( or ) buttons until the picture is clear and stable.

Result:
- The tracking bar appears.
- The image is adjusted.
- The tracking bar disappears when you release the button.
Rewinding and Fast-forwarding a Cassette

You can:
- Rewind or fast-forward a cassette without seeing the picture on the television.
- Search for a given sequence forwards or backwards on the tape.

To:
- Press:
  - Rewind the tape without viewing the picture.
  - Switch from reverse search to playback again.
  - Fast-forward the tape without viewing the picture.
  - Switch from forward search to playback again.

➢ The cassette is rewound automatically when the end of the tape is reached.
If you press POWER while a cassette is being rewound, the VCR switches off automatically when the beginning of the cassette is reached.

Playing a Cassette in Slow Motion

You can play a cassette in slow motion.
- No sound is heard when playing back a cassette in slow motion.

1 Press:
  - PLAY ( ) to start playing the cassette.
  - SLOW ( or ) to start slow mode play.
  - SLOW ( or ) as many times as required to decrease or increase the speed respectively.
  - PLAY ( ) to return to normal speed.

2 When playing back in slow motion, picture interference may occur. Press the TRACKING ( or ) buttons to minimize this effect.

➢ If the slow motion function is used for more than five minutes, the VCR will automatically play to protect the:
  - Cassette.
  - Video heads.

Selecting the Audio Output Mode

You can select the mode in which the sound is reproduced on the LINE and AV outputs. The following options are available.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>Used to listen to the sound on the left Hi-Fi channel.</td>
</tr>
<tr>
<td>R</td>
<td>Used to listen to the sound on the right Hi-Fi channel.</td>
</tr>
<tr>
<td>MIX</td>
<td>Used to listen to the mixed sound of the Hi-Fi and linear audio. (For example, you can play back Hi-Fi audio sound while at the same time listening to narration dubbed onto the normal audio track. See pages 43 and 44 for further details of the Audio Dubbing feature.)</td>
</tr>
<tr>
<td>MONO</td>
<td>Used to listen to the sound on the linear mono channel.</td>
</tr>
<tr>
<td>L R</td>
<td>Used to listen to Hi-Fi stereo sound on the left and right channels. When playing back tapes recorded in Hi-Fi, the sound switches to Hi-Fi after five seconds of Mono.</td>
</tr>
</tbody>
</table>

To select the sound mode, simply press the AUDIO button on the remote control until the required option is displayed.

Adjusting Picture Sharpness

The Picture Sharpness feature enables you to adjust the sharpness of the image according to your own preferences.

1 During playback, press the PICTURE button.
   Result: The picture bar appears.

2 Press the and buttons until the picture is adjusted to your liking.
   ➢ If you do not press a button within six seconds, the picture bar automatically disappears.

3 On completion, press the PICTURE button again.
Playing a Sequence Frame by Frame

You can:
- stop the cassette at a given frame (image) and
- advance one frame at a time.

No sound is heard when playing back frame by frame.

1. Press the PLAY (►) button to start playing the cassette.
2. Press the P/Still button (■) to stop the tape at a given frame.
3. Press the P/Still button (■) again to advance forward frame by frame.
4. Instead of Step 3 you can also turn the JOG to the left or right to advance frame by frame backward or forward.
5. To return to normal playback, press the PLAY (►) button.

If the Frame-by-Frame function is used for more than five minutes (except for JOG function), the VCR will automatically play to protect the cassette and video heads.

Playing a Sequence at Variable Speeds

You can vary the playback speed using the Shuttle function (up to nine times the normal speed).

Examples:
- You wish to analyze an athlete’s technique, movement by movement.
- The Shuttle function is available on the remote control.

No sound is heard when playing a sequence at variable speeds.

1. Press the PLAY (►) button to start playing the cassette.
2. Turn the SHUTTLE RING to the left or right to vary the playback speed.
3. Each time you turn the shuttle ring, the speed will change as shown in the following illustration.

---

MONITOR

You can see the original input signal during a conversion recording.

1. Press the MONITOR button during conversion.
   Result: Original input signal is displayed on screen.
2. Press the MONITOR button again.
   Result: The converted output signal is displayed on screen.

STROBE

You can see still images in succession.

1. Press the STROBE button during playback.
   Result: “STROBE” is displayed on the screen.
   A Discrete image is displayed on screen similar to SLOW mode.
2. Press the +/- to vary the speed of STROBE mode.
3. To exit the STROBE mode, press the STROBE button.

ART

When in the ART mode, the picture contrast is changed to resemble artwork.

1. Press the ART button during PLAY, SLOW or STROBE mode.
   Result: The contrast of the image is changed.
2. Press the +/- buttons to vary the contrast of ART mode.
3. To exit the ART mode, press the ART button.
The tape counter:

- indicates the elapsed time in the play and record modes (hours, minutes and seconds);
- is reset when a cassette is inserted in the VCR; and
- enables you to find the beginning of a sequence easily.

To enable the remaining time to be calculated correctly, you must indicate the type of cassette being used. See page 22.

1. Insert a cassette in your VCR.
2. Press CLK/COUNT twice.
   Result: The tape counter is displayed: 0:00:00.
3. Select the required operation (play, record, fast-forward, rewind).
   Result: The tape counter indicates how long the cassette has been running.
4. To set the tape counter to zero at the beginning of a sequence:
   - press DISPLAY twice to display the counter; and
   - press CLR/RST when you want to set the tape counter to zero.
   Result: The VCR stops automatically when the counter reaches zero.

This VCR uses a standard indexing system (VISS). As a result, it will recognize any indexes marked by other VCRs using the same system and vice versa.

1. To search for a specific index, press INDEX.
2. Enter the number of the index to be found using the numeric buttons.
   - When entering a single-digit number, do not forget to precede it with a zero.
   - Example: 02.
   Result: The index number is displayed.
3. Select the direction in which the VCR is to search:
   - REV ( ) to search backwards; or
   - F.F ( ) to search forwards.
   Result: When the index is found, cassette playback starts.

Some VCR information, such as the counter, can be displayed on the television screen (unless you have deactivated the OSD mode; refer to page 17). Press DISPLAY:
- once to display the current function, program number, recording speed, date, time and counter;
- twice to display the counter only;
- three times to display the time remaining on the cassette; and
- four times to clear the display.
Using the Assemble Edit Function

This function enables you to start a new recording at a specific position on the cassette while maintaining a very smooth scene change.

1. Insert the cassette to be edited in your VCR.
2. Press the PLAY button (►) to start playback.
3. When you reach the position from which you wish to start the new recording, press the P/STILL button (II).
4. Press the P/STILL button (II) again as often as necessary to advance frame by frame, until the exact recording position is located.
5. While the VCR is in still mode, press the REC button at least one second to activate the Assemble Edit function. Result: The Record symbol (REC) flashes on the display.
6. Select the source from which you wish to record by pressing:
   - the CH (▲ or ▼) buttons for television channels; or
   - the INPUT button for the SC, AV, LI or L2 input sources.
   - Perform necessary hookups and activate source. Refer to page 39.
7. Press the P/STILL button (II) to start recording.
8. When you have finished recording, press STOP (■).

Connecting Other Equipment to Your VCR

You can connect other audio and/or video equipment to your VCR in different ways. The following illustrations give a few examples of the connection possibilities.

➢ The LINE 1 input connectors on the front of the VCR are used to input signals from equipment such as camcorders, VCRs or stereo sound systems.

➢ The RCA output connectors (OUT1 or OUT2) on the rear of the VCR are used to output signals to equipment such as stereo sound systems.

➢ The EURO AV connector on the rear of the VCR is used for equipment with a SCART input/output such as satellite tuners or VCRs.

FRONT OF THE VCR

REAR OF THE VCR

Satellite tuner

Stereo sound system

Camcorder

VCR
**Recording from Another VCR or Camcorder**

You can copy a cassette on your Samsung VCR from another video source such as another VCR or a camcorder.

It is an infringement of copyright laws to copy prerecorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.

1. Connect the VCR from which the cassette is to be copied to the appropriate RCA audio and video input connectors on the front of your Samsung VCR, as indicated on page 39.
   - If the other video source does not supply stereo sound, connect only the left audio input (L).
   - You can also use a SCART cable to connect to the EURO AV on the rear of your VCR.
2. Insert a blank cassette in your VCR.
3. Insert the pre-recorded cassette in the other video source (VCR or camcorder).
4. Press the INPUT button to select the appropriate input on your VCR:
   - LINE 1 or LINE 2; or
   - AV for the EURO AV.
5. Start playing back the cassette to be copied.
6. Press the REC button for at least one second to start recording on your VCR.
7. When you have finished recording, press STOP (■) on both VCRs.

If you wish to view the cassette being copied:
- the VCR must be connected to your television (see page 14 for further details); and
- you must select the television AUX input.

**TV System Conversion**

You can convert the input signal into the desired TV system.

1. Connect the RCA audio/video cable into the LINE 1 IN sockets on the front of the VCR.
2. Press the INPUT SYSTEM button on remote control to select the input signal identification.
   - When the Auto mode is selected, the input signal is automatically identified.
   - When the input signal is not automatically identified, select the corresponding input system.
3. If you wish to convert the NTSC TV system into the PAL system, select AUTO or NTSC system with the INPUT SYSTEM button on remote control.
   - Result: The display panel shows the NTSC input signal and the NTSC output signal.
   - If the input signal does not correspond to the input button on the VCR, an abnormal signal is outputted.
4. Press the PAL output system button on the VCR.
   - Result: The display panel shows the NTSC input signal and the PAL output signal, and the NTSC signal is converted into the PAL signal for output.

**Playback Conversion**

You can perform playback conversion of the signal recorded on the tape into the appropriate format for the country.

1. If you wish to convert a PAL system tape into the NTSC system for playback, then press the NTSC output button on the VCR.
   - Result: The display panel shows NTSC output signal.
2. Insert the video tape into the VCR.
   - "OD" is shown on the display panel.
   - A video tape without the record protect (safety) tab intact will play back automatically.
3. Press the PLAY (■) button.
   - Result: The TV system recorded on the tape is automatically read, and the PAL signal is converted into the NTSC signal for playback.
Conversion Recording

You can convert the signal recorded on a tape to another format on a second tape.

1. Connect the RCA Audio/Video cable to the input on the front of the Samsung VCR (SV-5000W).

2. Insert the tape to record.

3. Connect the other end of the RCA Audio/Video cable to the output connectors of another VCR (see page 39).

4. If you wish to convert from a tape recorded on NTSC to a PAL recorded tape, insert the NTSC tape into the other VCR.

5. Press the INPUT button on the remote control to select the L1 input.
   **Result:** The display panel shows L1.

6. Press the PAL output system button on the front panel to select the PAL system.
   **Result:** The display panel shows PAL.

7. Press the PLAY button of the other VCR.

8. Press the REC button of the Samsung VCR at least one second.
   **Result:** ☑️ appears on the display panel, and recording begins.

➢ Follow these steps to perform conversion recording to other formats.
Hi-Fi Audio System

To provide true Hi-Fi audio sound with video entertainment and, at the same time, compatibility with regular VHS tapes, your VCR employs a newly-developed audio recording system. Hi-Fi audio signals (2-channel) are recorded deep into the tape's magnetic coating and the video signal is recorded on top of the audio signals in a shallower layer. At the same time, another audio head records linear audio signals (monaural) onto the normal audio track. With the Audio Dubbing function, it is possible to erase the old monaural soundtrack and record a new one.

Hi-Fi and linear audio

Hi-Fi audio recording and reproduction are available only from the Hi-Fi audio track, while the normal audio track provides normal audio. The Hi-Fi and normal soundtracks are recorded simultaneously and audio dubbing is applicable only to the normal audio track.

Recording options according to the setting of the INPUT button

<table>
<thead>
<tr>
<th>INPUT button</th>
<th>Track</th>
<th>Video track</th>
<th>Normal audio track (mono)</th>
<th>Hi-Fi audio track (2-channel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUNER (CH 10)</td>
<td>TV picture (from built-in tuner)</td>
<td>TV sound (from built-in tuner)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SIMULCAST (SC)</td>
<td>TV picture (from built-in tuner)</td>
<td>Audio signal from audio input connector (Line 1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE 1 (L1) / LINE 2 (L2)</td>
<td>Video signal from video input connector</td>
<td>Audio signal from audio input connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EURO AV (AV)</td>
<td>Video signal from audio/video connector</td>
<td>Audio signal from audio/video connector</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The FM Simulcast feature enables you to record:

- the picture received on the VCR's tuner;
- and
- the sound received from an external source via the LINE 1 RCA input connectors on the front of the VCR.

**Example:** You wish to record a concert transmitted simultaneously on television and radio to take advantage of FM stereo sound.

1. Connect an RCA audio cable to the appropriate output on your sound system (radio for example).
2. Connect the other end of the RCA audio cable to the audio input connectors (L+R) on the front of your VCR.
3. Select the SC Simulcast mode by pressing INPUT one or more times until SC is displayed.
4. Select the television program by using the CH Up/Down buttons.
5. Tune the sound system to the appropriate radio station.
6. Press the REC button for at least one second when the broadcast starts.

**Result:** The sound received on the LINE 1 input is recorded with the pictures received on the tuner.

7. When you have finished recording, press STOP ( ).

Audio Dubbing a Pre-recorded Cassette

With the Audio Dubbing function, you erase the previously recorded sound and replace it with a new soundtrack from:

- a CD player;
- a microphone connected to a sound system; or
- a cassette player.

**Note:**
Audio dubbing is applicable only to the linear audio track.

1. Connect an RCA audio cable to the appropriate output on your sound system (CD/cassette player for example).
2. Connect the other end of the RCA audio cable to the audio input connectors (L+R) on the front of your VCR.
3. Insert the pre-recorded video cassette on which the audio track is to be replaced.
4. Select the LINE 1 input by pressing INPUT until LI is displayed.
5. Locate the point on the cassette at which you wish to start dubbing.
7. Press A.DUB. **Result:** Your VCR is now in the Audio Dubbing Pause mode.
8. On the sound system, locate the point on the CD or cassette at which you wish to start playback. **Example:** The track that you wish to record on the cassette.
9. Press the pause button on your sound system.
10. When you are ready: 
   - start playback on the sound system; and
   - press REC or P/STILL ( ) on the remote control. **Result:** The soundtrack is replaced on the pre-recorded video cassette.
11. When you have finished recording, press STOP ( ).
Locking Your VCR

The playback functions on your VCR can be locked to prevent the VCR from being used by young children.

You can still watch television programs via the VCR but you cannot insert or play a cassette.

1 To lock the VCR, hold down the P/STILL (↑) button for approximately five seconds.
   Result: The lock indicator (LOCK) is displayed.
   ➢ If a cassette is in the VCR when you lock it, the cassette will be ejected.

2 To unlock the VCR, hold down the P/STILL (↓) button again for approximately five seconds.
   Result: The lock indicator (LOCK) is no longer displayed.

Resetting Your VCR

If you find that your VCR is not operating correctly, or no indications appear in the display, you can reset it.

1 Press the RESET button on the front panel with a pen or pencil, to reset the VCR.
   Result: All preset data will be erased and will need to be reprogrammed.

2 If the problem is not solved after you have reset the VCR, refer to page 48 for a list of simple checks to be performed before contacting an authorized service center.

Technical Specifications

<table>
<thead>
<tr>
<th>Recording system</th>
<th>Rotary head azimuth recording, luminance signal FM recording system.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chrominance signal down converted phase shift recording system (NTSC, PAL, PAL-M).</td>
</tr>
<tr>
<td></td>
<td>Chrominance signal down converted direct recording system (MESECAM).</td>
</tr>
<tr>
<td></td>
<td>Chrominance signal 1/4 frequency countdown direct recording system (SECAM).</td>
</tr>
<tr>
<td>Color system</td>
<td>NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM</td>
</tr>
<tr>
<td>Tuning system</td>
<td>B/G, D/K, I, M, N</td>
</tr>
<tr>
<td>RF out</td>
<td>M/G/K UHF 14-69, 116-125 (M System only)</td>
</tr>
<tr>
<td>Tape recording/playback</td>
<td>NTSC, PAL, PAL-M, SECAM, MESECAM</td>
</tr>
<tr>
<td>Tape speed</td>
<td>NTSC 33.35mm/sec (standard recording : SP)</td>
</tr>
<tr>
<td></td>
<td>PAL-M 11.12mm/sec (three times recording : SLP)</td>
</tr>
<tr>
<td></td>
<td>PAL 23.39mm/sec (standard recording : SP)</td>
</tr>
<tr>
<td></td>
<td>MESECAM 11.69mm/sec (double speed recording : LP)</td>
</tr>
<tr>
<td>Tape format</td>
<td>VHS type video tape, S-VHS type video tape (Play back only)</td>
</tr>
<tr>
<td>Recording time</td>
<td>Maximum 8 hours (with a T-160 or E-240 tape)</td>
</tr>
<tr>
<td>Rewinding time</td>
<td>Within 100 Seconds (high speed rewinding, T-120 or E-180 tape)</td>
</tr>
<tr>
<td>Video input</td>
<td>1.0Vp-p (unbalanced) : 75 Ω</td>
</tr>
<tr>
<td>Video output</td>
<td>1.0Vp-p (unbalanced) : 75 Ω</td>
</tr>
<tr>
<td>Video S/N</td>
<td>Above 43dB (standard recording)</td>
</tr>
<tr>
<td>Resolution</td>
<td>Above 220 (standard recording NTSC), 240 (standard recording PAL)</td>
</tr>
<tr>
<td>Audio input</td>
<td>-8dBm, 47 Kohm unbalanced</td>
</tr>
<tr>
<td>Audio output</td>
<td>-8 ± 3 dBm, 1 Kohm unbalanced</td>
</tr>
<tr>
<td>Audio S/N</td>
<td>Above 39dB (Mono), 68dB (Hi-Fi)</td>
</tr>
<tr>
<td>Audio frequency characteristics</td>
<td>20Hz-20kHz</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>100V-240V AC</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>APP. 24 watts on recording; 8 watts off</td>
</tr>
<tr>
<td>Operating ambient temperature</td>
<td>41°F-104°F (5°C - 40°C)</td>
</tr>
<tr>
<td>Installation conditions</td>
<td>Operation position : Horizontal, Relative humidity : Below 80%</td>
</tr>
<tr>
<td>Outside dimensions</td>
<td>Width 430mm(16.9in) x Length 295mm(11.6in) x Height 98mm(3.86in)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.3Kg(9.5 lbs)</td>
</tr>
</tbody>
</table>

If you find that your VCR is not operating correctly, or no indications appear in the display, you can reset it.

1 Press the RESET button on the front panel with a pen or pencil, to reset the VCR.
   Result: All preset data will be erased and will need to be reprogrammed.

2 If the problem is not solved after you have reset the VCR, refer to page 48 for a list of simple checks to be performed before contacting an authorized service center.
Glossary of Terms

To help you understand the main technical terms used in this booklet and take full advantage of the features on your VCR, here are a few definitions.

Tuner
Element in the VCR used to decode the signals received via the antenna or cable TV. A tuner can only receive one broadcast at a time but you can use the tuner in your VCR to record one program while watching a different program via the tuner in your television. To receive a broadcast, the tuner must be set to the frequency of the appropriate channel.

Station or Channel
Frequency assigned to a given broadcasting company to enable them to transmit a series of broadcasts or programs.

Program
Number assigned to a given channel on the tuner in the VCR to help you select it more easily. Broadcast transmitted on a given channel.

Cable TV
Coaxial cable network transmitting broadcasts on a subscription basis. The cable is connected to the same input as an antenna.

Broadcasting standard or Color standard
Standard used to code pictures and sound. Different standards are used in different countries. In the United Kingdom for example, the PAL I standard is used.

Troubleshooting Guide

Before contacting Samsung authorized service center, perform the following simple checks.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Explanation/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No power</td>
<td>• Check that the power plug is connected to a wall outlet. • Have you pressed the VCR POWER button?</td>
</tr>
<tr>
<td>You cannot insert a video cassette</td>
<td>• A video cassette can only be inserted with the window side up and the safety tab facing you. • Check that the VCR has not been safety-locked (LOCK displayed). If so, hold P/STILL (II) down for at least five seconds to release it.</td>
</tr>
<tr>
<td>The television program was not recorded</td>
<td>• Check the VCR/antenna connections. • Is the VCR tuner properly set? • Check if the safety tab is intact on the cassette.</td>
</tr>
<tr>
<td>Timer recording was unsuccessful</td>
<td>• Was the VCR POWER button pressed to activate the timer? • Re-check the recording start/stop time settings. • If there was a power failure or interruption during timer recording, the recording will have been cancelled. • Check that the channel number selected with the Timer Program code is correct.</td>
</tr>
<tr>
<td>No playback picture or the picture is distorted</td>
<td>• Press the TRACKING buttons ( or ). • Check to see if you are using a pre-recorded tape. • Check the playback system in the USER SET Menu. • Check the SQPB in the USER SET2 Menu. (See page 31)</td>
</tr>
<tr>
<td>You cannot see normal broadcasts</td>
<td>• Check that the source selected using the INPUT button is the VCR’s tuner. • Check the TV/VCR/antenna connections.</td>
</tr>
<tr>
<td>Noise bar or streaks on playback</td>
<td>• Press the TRACKING buttons ( or ) to minimize this effect.</td>
</tr>
<tr>
<td>No operation when the:</td>
<td>• Check that tape is not already fully wound.</td>
</tr>
<tr>
<td>•REW button is pressed; or</td>
<td>• F.F button is pressed.</td>
</tr>
<tr>
<td>When the P/STILL (II) button is pressed during playback, the still picture has severe “noise bar” streaks</td>
<td>• A still picture may have “noise bars”, depending on the condition of the tape. Press the TRACKING buttons ( or ) to minimize this effect.</td>
</tr>
<tr>
<td>Incorrect operations or no display</td>
<td>• Use a pencil to press the RESET button and re-initialize the VCR. All preset data is lost.</td>
</tr>
</tbody>
</table>

If you are unable to solve the problem after reading the above instructions, note:
• the model and serial number on the rear of your VCR;
• the warranty information; and
• a clear description of the problem.

Then contact your nearest SAMSUNG authorized service center.
### World Broadcast Systems

<table>
<thead>
<tr>
<th>System</th>
<th>PAL</th>
<th>SECAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTSC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B/G</td>
<td>D/K</td>
<td>I</td>
</tr>
<tr>
<td>N</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Country</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bahamas</td>
<td>Afghanistan</td>
<td>China</td>
</tr>
<tr>
<td>Barbados</td>
<td>Albania, Algeria</td>
<td>Korea</td>
</tr>
<tr>
<td>Bermuda</td>
<td>Australia</td>
<td>Argentina</td>
</tr>
<tr>
<td>Bolivia</td>
<td>Austria, Azores</td>
<td>Paraguay</td>
</tr>
<tr>
<td>Cambodia</td>
<td>Bahrain</td>
<td>Iran</td>
</tr>
<tr>
<td>Canada</td>
<td>Bangladesh</td>
<td>Iraq</td>
</tr>
<tr>
<td>Chile</td>
<td>Brazil, Cameron</td>
<td>Lebanon</td>
</tr>
<tr>
<td>Colombia</td>
<td>Canary Islands</td>
<td>Libya</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>Cape Verde</td>
<td>Mauritania</td>
</tr>
<tr>
<td>Cuba</td>
<td>Cyprus, Denmark</td>
<td>Saudi Arabia</td>
</tr>
<tr>
<td>Dominican Republic</td>
<td>Fiji, Finland</td>
<td>Tunisia</td>
</tr>
<tr>
<td>Ecuador</td>
<td>Germany, Spain</td>
<td>Guadeloupe</td>
</tr>
<tr>
<td>El Salvador</td>
<td>Iceland, India</td>
<td>Spain</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>Indonesia, Israel</td>
<td>Italy, Jordan</td>
</tr>
<tr>
<td>Fiji</td>
<td>Iraq</td>
<td>Korea</td>
</tr>
<tr>
<td>Finland</td>
<td>Lao</td>
<td>Egypt</td>
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<tr>
<td>France</td>
<td>Liechtenstein</td>
<td>France</td>
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<tr>
<td>Germany</td>
<td>Madeira</td>
<td>Hungary</td>
</tr>
<tr>
<td>Greece</td>
<td>Majorca Islands</td>
<td>Ivory Coast</td>
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<tr>
<td>Guatemala</td>
<td>Malaysia, Malawi</td>
<td>Madagascar</td>
</tr>
<tr>
<td>Haiti</td>
<td>Mozambique</td>
<td>Maritimes</td>
</tr>
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<td>Honduras</td>
<td>Mozambique</td>
<td>Poland</td>
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<tr>
<td>Jamaica</td>
<td>Mozambique</td>
<td>Reunion</td>
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<tr>
<td>Japan</td>
<td>Malaysia, Malawi</td>
<td>Romania</td>
</tr>
<tr>
<td>Jordan</td>
<td>Mozambique</td>
<td>Sri Lanka</td>
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<tr>
<td>Korea (South)</td>
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<td>Tajikistan</td>
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<tr>
<td>Laos</td>
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<td>Sweden</td>
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<tr>
<td>Switzerland</td>
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<tr>
<td>Tanzania</td>
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</tr>
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<td>Turkey</td>
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<tr>
<td>United Arab Emirates</td>
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<tr>
<td>United Kingdom</td>
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<tr>
<td>United States</td>
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<tr>
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<td>Uruguay</td>
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<tr>
<td>Venezuela</td>
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</tr>
<tr>
<td>Zimbabwe</td>
<td>Mozambique</td>
<td>Timor</td>
</tr>
</tbody>
</table>

### International Service Network

- **Head Office (Korea)**
  - Tel: 82-331-200-5570
  - Web site: [http://www.samsungelectronics.com](http://www.samsungelectronics.com)

- **North & Latin America**
  - U.S.A (United States America)
    - Tel: 973-691-6200/1-800-Samsung
    - Web site: [http://www.sosimple.com](http://www.sosimple.com)
  - Canada
    - Tel: 905-819-5031/1-800-Samsung
    - Web site: [http://www.samsungcanada.com](http://www.samsungcanada.com)
  - Mexico
    - Tel: 52-5-686-0800
    - Web site: [http://www.samsung-latin-america.co](http://www.samsung-latin-america.co)
  - Brazil
    - Tel: 55-11-541-8500
    - Web site: [http://www.samsung-latin-america.co](http://www.samsung-latin-america.co)
  - Argentina
    - Tel: 54-1-208-4777
    - Web site: [http://www.samsung-latin-america.co](http://www.samsung-latin-america.co)

- **Europe**
  - U.K (United Kingdom)
    - Tel: 44-1952-292-262
    - Web site: [http://www.samsungelectronics.co.uk](http://www.samsungelectronics.co.uk)
  - France
    - Tel: 33-10-4938-6569
  - Germany
    - Tel: 49-6196-66-1900
    - Web site: [http://www.samsung.de](http://www.samsung.de)
  - Italy
    - Tel: 39-2-9214-1815
  - Spain
    - Tel: 34-3-261-6701
  - Sweden
    - Tel: 468-5910-9630
    - Web site: [http://www.samsung.se](http://www.samsung.se)
  - Netherlands
    - Tel: 3170-307-2910
    - Web site: [http://www.samsung.nl](http://www.samsung.nl)
  - Hungary
    - Tel: 36-1-188-7925
  - CIS (Russia)
    - Tel: 1-502-224-5210 (Moscow)
    - Tel: 380-44-227-8330 (Ukraine)

- **Asia & Oceania**
  - Singapore
    - Tel: 65-568-7500
  - Japan
    - Tel: 81-3-5564-0360
    - Web site: [http://www.samsung.co.jp](http://www.samsung.co.jp)
  - India
    - Tel: 91-11-643-7391
    - Web site: [http://www.samsungindia.com](http://www.samsungindia.com)
  - China
    - Tel: 86-10-6460-6504
    - Web site: [http://www.samsung.co.cn](http://www.samsung.co.cn)
  - Australia
    - Tel: 61-2-9898-5745
    - Web site: [http://www.samsung.co.au](http://www.samsung.co.au)

- **Middle East & Africa**
  - Dubai
    - Tel: 971-4-837-700
  - Saudi Arabia
    - Tel: 966-2-651-2111
  - Kuwait
    - Tel: 965-470-6612
  - South Africa
    - Tel: 27-11-463-5878
    - Web site: [http://www.samsung.co.za](http://www.samsung.co.za)