

SAMSUNG

ENGLISH

AC68-01823N

# OWNER'S MANUAL

## Video Cassette Recorder (VCR)

### - Line Recorder

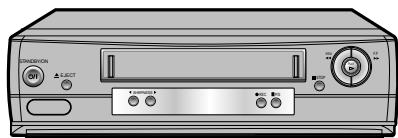
#### SV-670D/SV-680D/SV-690D

#### SV-675D/SV-685D/SV-695D

SV-690D/695D



SV-670D/675D



SV-680D/685D



Only cassettes marked **VHS** can be used with the VCR.

The unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the unit itself has been turned off.

**WARNING:**  
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. TO PREVENT ELECTRIC SHOCK, DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

### Accessories

You have just purchased a Video Cassette Recorder.

Together with your VCR, you will find the following accessories in the box.

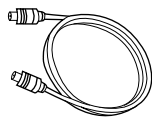
REMOTE CONTROL



BATTERIES "AA"

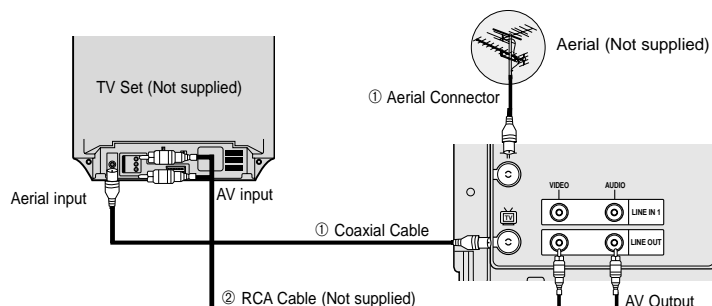


COAXIAL CABLE



### Connecting Your VCR to the TV

◆ Make sure that both the television and the VCR are switched off before connecting the cables.



### Tuning Your Television for the VCR

You must tune your television for the VCR only if you are not using a RCA cable.

➤ To view pictures from your VCR when a RCA cable is used, the television must be set to the audio/video mode (AV).

- 1 Switch on the television.
- 2 Switch on the VCR by pressing STANDBY/ON on the front of the VCR or STANDBY/ON on the remote control.
- 3 Select a programme position on the television to be reserved for use with your VCR.
- 4 Insert the video cassette in the VCR. Check that the VCR starts reading the cassette; if not, press ► button.
- 5 Start a scan on your television or set the television to UHF channel 36.
- 6 Fine tune the television until the pictures and sound are obtained clearly.
- 7 If you cannot find the pictures and sound, or there is interference from nearby channels, change the VCR OUTPUT CHANNEL to adjust the frequency.
- 8 When the picture and sound are perfectly clear store this channel at the desired programme position on the television. **Result:** That programme is now reserved for use with your VCR.

### Selecting the RF OUT Sound Mode (G, K)

You must choose the sound mode (G or K) according to the TV set connected to your VCR.

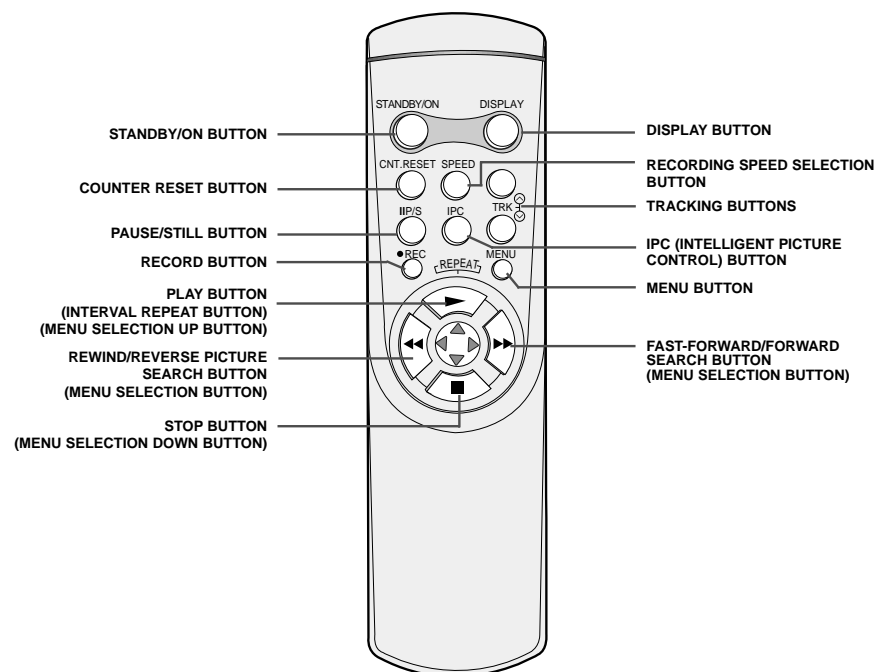
- 1 Press MENU on the remote control. **Result:** The programming menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the **INSTALLATION** option.
- 3 Press ▾ button to select this option. **Result:** The **INSTALLATION** menu is displayed.
- 4 Press the corresponding ▲ or ▼ buttons, until the cursor is placed in front of the **TV SYSTEM** option.
- 5 Press the ◀ or ▶ buttons to select G or K.
- 6 On completion, press MENU twice to exit the menu. Then tune your television again.

### Setting the VCR Output Channel

Your VCR output channel may need to be changed if the pictures suffers from interference or if your TV cannot find the pictures. Also, you can change the VCR output channel to adjust the frequency in which information is displayed on the screen.

- 1 Press MENU on the remote control. **Result:** The programming menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the **INSTALLATION** option.
- 3 And then press ▾ button to select this option. **Result:** The **INSTALLATION** menu is displayed.
- 4 Press the ▲ or ▼ buttons, until the cursor is placed in front of the **VCR OUTPUT CH** option.
- 5 Select the required output channel (CH21-CH69) by pressing the ◀ or ▶ buttons.
- 6 On completion, press MENU twice to exit the menu. Then tune your television again.

### Infrared Remote Control



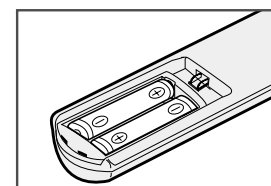
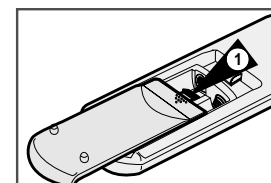
### Inserting Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you:

- ◆ Purchase the video cassette Recorder
- ◆ 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 AA, R6 or equivalent batteries, 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.

➤ Do not mix different battery types (manganese and alkaline for example).



### Playing a Cassette

This function allows you to play back any pre-recorded cassette.

- 1 Switch on both the television and your VCR.
- 2 Select the AV input on the television for use with your VCR.
- 3 Insert the video cassette to be played. If the safety tab on the cassette is intact, press ► button. 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...              | Then press... |
|--------------------|---------------|
| Stop the playback  | ■ (STOP).     |
| Eject the cassette | ▲ (EJECT).    |

### Selecting the Appropriate System Standard

Before recording a cassette, you can select the required system standard. Otherwise, the system automatically selects the reception standard when you select **AUTO**.

- When playing back a cassette, the standard is automatically selected by the VCR.
- ◆ When you playback an NTSC-recorded tape on this VCR make a setting on the color system according to your TV. If your TV is a PAL system only TV, set NTPB. If your TV is Multi System TV (NTSC 4.43 compatible), set NT4.43 and you can record NT4.43.

- 1 Press MENU on the remote control. **Result:** The programming menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the **USER SET** option.
- 3 Press the ▾ button to select this option. **Result:** The **USER SET** menu is displayed.
- 4 Press the corresponding ▲ or ▼ buttons, until the cursor is placed in front of the **COLOUR SYSTEM** option.
- 5 Press the ► button to select **AUTO** → **PAL** → **MESECAM** → **B/W** or **NT4.43** → **NTPB**.
 

|             |   |
|-------------|---|
| <b>AUTO</b> | When playing back a cassette, the system standard is automatically selected by the VCR. |
| <b>B/W</b>  | Black and White   |
- 6 On completion, press MENU twice to exit the menu.

### Adjusting Picture Alignment Manually

The Fine Adjustment feature allows 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 TRK (⊙ 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.

### Intelligent Picture Control

Intelligent picture control feature allows you to adjust the sharpness of the image automatically according to your own preferences.

- 1 During playback, press the MENU button on the remote control. **Result:** The menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the **USER SET** option.
- 3 Press the ▾ button to select this option. **Result:** The **USER SET** menu is displayed.
- 4 Press the corresponding ▲ or ▼ buttons, until the cursor is placed in front of the **IPC** option.
- 5 Press the ► button to select the **IPC** (intelligent picture control) option. Press the IPC button on the remote control. **Result:** The **PICTURE** menu appears on the display.
  - When intelligent picture control mode is **ON**, the sharpness of the image is adjusted automatically.

- 6 To adjust the sharpness manually, press the ▾ button to turn the **IPC** mode **OFF**.
- 7 Press the ◀ or ▶ buttons until the picture is displayed according to your preferences. To adjust the sharpness manually press the **SHARPNESS** ▲ or ▼ button on the front of the VCR.
  - If you do not press a button within ten seconds, the **PICTURE** menu disappears automatically.
- 8 On completion, press the MENU button again.

## Playing a Sequence Frame by Frame

You can:

- ◆ Stop the cassette at a given frame (image)
  - ◆ Advance one frame at a time
- No sound is heard when playing back frame by frame.

- 1 Press:
  - ◆ ▶ to start playing the cassette
  - ◆ IIP/S to stop the tape at a given frame
  - ◆ IIP/S to advance frame by frame
- 2 To return to normal playback, press ▶.

☞ When you have been using the Frame-by-Frame function for more than about five minutes, the VCR will automatically play to protect the cassette and video heads.

➤ Vertical stability: When playing back frame by frame, interference may be seen on the screen. Press the TRK (⊖ or ⊕) buttons to minimize this effect.

## Selecting the Recording Speed

You can record a cassette at two different speeds:

- ◆ SP (Standard Play)
  - ◆ LP (Long Play)
- In Long Play modes:
- ◆ Each cassette lasts twice as long
  - ◆ The recording is of a slightly lower quality

To record a cassette... Press the SPEED button on the remote control, until...

In standard play mode SP is displayed.  
In long play mode LP is displayed.

| Type  | Recording Time (in SP)            |
|-------|-----------------------------------|
| E-180 | 180 mins. or 3 hours              |
| E-240 | 240 mins. or 4 hours              |
| E-260 | 260 mins. or 4 hours and 20 mins. |
| E-300 | 300 mins. or 5 hours              |

## Using the Tape Counter

The tape counter:

- ◆ Indicates the elapsed time in the play and record modes
- ◆ Is reset when a cassette is inserted in the VCR
- ◆ Allows you to find the beginning of a sequence easily

☞ If the remaining time is to be calculated correctly, you must indicate the type of cassette being used.

- 1 Insert a cassette in your VCR.
- 2 Press DISPLAY.
  - The tape counter does not necessarily start from zero at the beginning of the tape.
- 3 To set the tape counter to zero at the beginning of a sequence:
  - ◆ Press DISPLAY twice to display the counter
  - ◆ Press CNT.RESET when you want to set the tape counter to zero
- 4 When you are ready,
  - ◆ Start playback or Recording.
  - ◆ Press the ■ button.
  - ◆ To fast-forward or rewind to the sequence at which the counter was set to zero, press ◀ or ▶.

Result: The VCR stops automatically when the counter reaches zero.

➤ Some VCR information, such as the counter, can be displayed on the television screen.

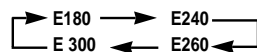
Press DISPLAY:

- ◆ Once to display the current function, recording speed and counter
- ◆ Twice to display the counter only
- ◆ Three times to display the time remaining on the cassette
- ◆ Four times to clear the display

## 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 menu is displayed.
- 2 Press the ◀ or ▶ buttons, to select the USER SET option.
- 3 Press the ▽ button to select this option.  
Result: The USER SET menu is displayed.
- 4 Press the △ or ▽ buttons, until the cursor is placed in front of the TAPE SELECT option.
- 5 Press the ◀ or ▶ buttons as many times as required, until the correct cassette length is displayed.



- 6 Press MENU twice to exit the menu.

## Auto Power Off

The Auto Power Off feature automatically turns off your VCR if no signal is received and you do not press any button for the selected time.

- 1 Press MENU on the remote control.  
Result: The menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the EASY OPERATION option.
- 3 Press the ▽ button to select this option.  
Result: The EASY OPERATION menu is displayed.
- 4 Press the corresponding △ or ▽ buttons, until the cursor is placed in front of the AUTO POWER OFF option.

5 Press the ▶ button, until you select the time of Auto Power off interval.

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

## Auto Repeat Play

You can set repeat play to repeat the tape continuously from beginning to end.

- 1 Press MENU on the remote control.  
Result: The programming menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the EASY OPERATION option.
- 3 Press the ▽ button to select this option.  
Result: The EASY OPERATION menu is displayed.
- 4 Press the corresponding △ or ▽ buttons, until the cursor is placed in front of the REPEAT PLAY option.
- 5 To... Press ◀ or ▶, until...
 

|                            |                   |
|----------------------------|-------------------|
| Repeat play                | ON is displayed.  |
| Do not wish to repeat play | OFF is displayed. |
- 6 On completion, press MENU twice to exit the menu.

## Interval Repeat Play

You can set interval repeat play to repeat the cassette several times for special interval.

- 1 Press MENU on the remote control.  
Result: The menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the EASY OPERATION option.
- 3 Press the ▽ button to select this option.  
Result: The EASY OPERATION menu is displayed.
- 4 Press the corresponding △ or ▽ buttons, until the cursor is placed in front of the NO. OF INTERVAL REPEAT option.

5 To... Press ▶, until...
 

|                             |   |
|-----------------------------|---|
| Interval repeat play        | 5, 10, 15, off is displayed. (choose repeat time 5 times, 10 times, 15 times) |
| Cancel interval repeat play | OFF is displayed.   |

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

- 7 To select interval during playback, press the REPEAT button at the desired start point.  
Result: "INTERVAL REPEAT SETTING" is displayed. Press the REPEAT button one more time at the desired end point.  
Result: The tape is automatically rewound to the start point. "INTERVAL REPEAT" is displayed.

## Displaying/Hiding On-Screen Information

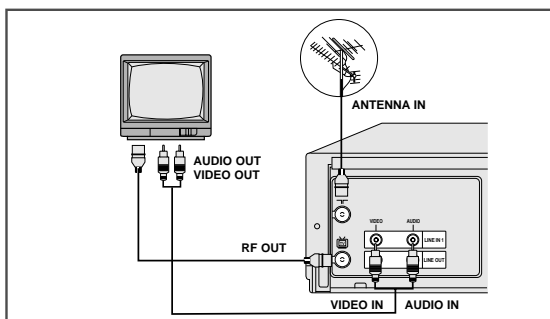
Your VCR displays most information both on the VCR and the television.

You can choose to display or hide this information on the television screen.

- 1 Press MENU on the remote control.  
Result: The programming menu is displayed.
- 2 Press the corresponding ◀ or ▶ buttons, to select the USER SET option.
- 3 Press the ▽ button to select this option.  
Result: The USER SET menu is displayed.
- 4 Press the corresponding △ or ▽ buttons, until the cursor is placed in front of the OSD option.
- 5 To... Press ◀ or ▶, until...
 

|                               |                   |
|-------------------------------|-------------------|
| Display on-screen information | ON is displayed.  |
| Hide on-screen information    | OFF is displayed. |
- 6 On completion, press MENU twice to exit the menu.

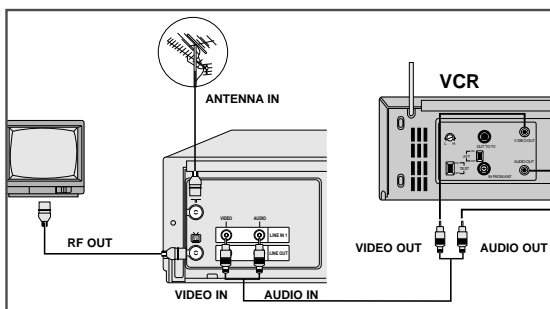
## Recording From TV



- 1 Turn on the TV. Tune your TV channel.
- 2 Connect your VCR to the TV by A/V cable as above figure.
- 3 Select the recording speed (SP/LP) by pressing the SPEED button.
- 4 Hold down the REC (●) button to start line recording.
- 5 Press the STOP (■) button to end line recording.

➤ Line recording is not available for the TV which has no A/V OUTPUT JACK.

## Recording from Another VCR



- 1 Turn on the TV.
- 2 Connect the playback side VCR's A/V cable to the recording side VCR's video and audio in (rear panel).
- 3 Select the recording speed (SP/LP) by pressing the SPEED button.
- 4 Begin playback on the playback side VCR and hold down REC (●) button.
- 5 Press the STOP (■) button to end line recording.

You can copy a cassette to your VCR from another video source, such as another VCR.

☞ 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.

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

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

## Technical Specifications

Design and specifications are subject to change without notice.

|                         |  |
|-------------------------|--|
| Format                  | VHS PAL standard   |
| Heads                   | Video: 2 rotary heads / Audio/Control: 1 stationary head   |
| Television system       | STANDARD G, K  |
| Luminance               | FM azimuth recording   |
| Colour system           | PAL/MESECAM/NT4.43: Down converted subcarrier phase shifted direct recording   |
| Tape speed              | NTSC PB on PAL TV<br>(PAL/MESECAM) (NTSC)<br>SP: 23.39 mm/sec SP: 33.35 mm/sec<br>LP: 11.69 mm/sec SLP: 11.12 mm/sec |
| Recording/playback time | SP: 3 hours (E-180 Tape)<br>LP: 6 hours (E-180 Tape)   |
| REW time                | About 60 sec in REW with E-180   |
| <b>VIDEO</b>            |  |
| Input                   | 0.5 to 2.0 Vp-p; 75 ohm unbalanced   |
| Output                  | 1.0 ± 0.2 Vp-p; 75 ohm unbalanced  |
| <b>AUDIO</b>            |  |
| Input                   | -8 dBm, 47 Kohm unbalanced   |
| Output                  | -8 ± 3 dBm, 1 Kohm unbalanced  |
| Frequency response      | 100Hz - 8KHz   |
| Power requirement       | 110-240V-50/60 Hz  |
| Power consumption       | Approx. 13 watts   |
| Operation temperature   | 41°F-104°F (5°C-40°C)  |
| Operation humidity      | 10%-75%  |
| Weight                  | 2.8 Kg (net)   |
| Dimensions (WxHxD)      | 360 x 94 x 240 mm  |