SAMSUNG

OWNER'S MANUAL
Video Cassette Recorder (VCR)
- Line Recorder
SV-H22KS/SV-H12K/SV-H11K/SV-H10K

SV-H22KS/SV-H12K

SV-H11K

SV-H10K

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.
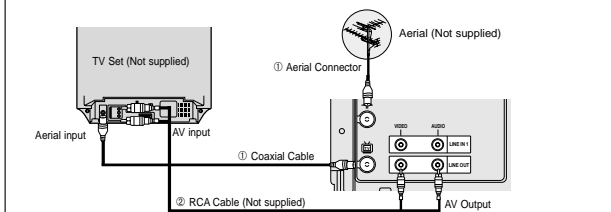
REMOTE CONTROL   BATTERIES "AA"   COAXIAL CABLE

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

You can choose the sound mode (G or K) according to the TV set connected to your TV.
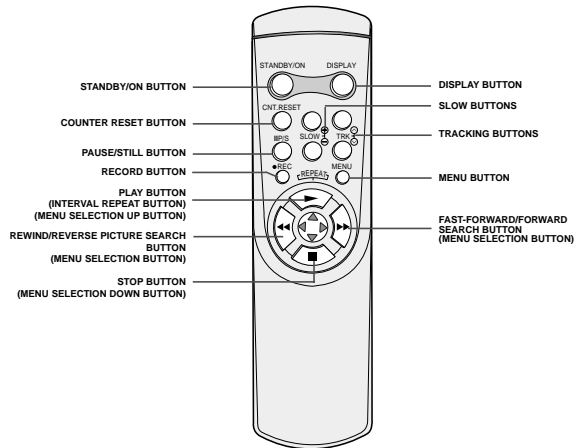
1 Press MENU on the remote control.
Result: The programming menu is displayed.

2 Press the corresponding ◄ or ► buttons to select the INSTALLATION option.

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

4 Press the corresponding ▲ or ▼ buttons, until the TV SYSTEM option is selected.

5 Press the ◄ or ► button to select G or K.

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

Setting the VCR Output Channel

Your VCR output channel may need to be changed if the pictures suffer 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 Press the ▼ button to select this option.
Result: The INSTALLATION menu is displayed.

4 Press the corresponding ▲ or ▼ buttons, until the VCR OUTPUT CH option is selected.

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

STANDBY/ON BUTTON
COUNTER RESET BUTTON
PAUSE/STILL BUTTON
RECORD BUTTON
PLAY BUTTON
(INTERVAL REPEAT BUTTON)
(MENU SELECTION UP BUTTON)
REWIND/REVERSE PICTURE SEARCH BUTTON
(MENU SELECTION BUTTON)
STOP BUTTON
(MENU SELECTION DOWN BUTTON)

DISPLAY BUTTON
SLOW BUTTONS
TRACKING BUTTONS
MENU BUTTON
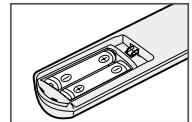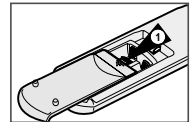FAST-FORWARD/FORWARD SEARCH BUTTON
(MENU SELECTION BUTTON)

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).

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 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 IPC option is selected.

5 Press the ► button to select the IPC (intelligent picture control) option.
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.

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 COLOUR SYSTEM option is selected.

5 Press the ► button to select AUTO → PAL → SECAM → MESECAM → B/W or NT4.43 → NTPB.

AUTO	When playing back a cassette, the system standard is automatically selected by the VCR.
B/W	Black and White

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

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
- ◆ ❚❚P/S to stop the tape at a given frame
- ◆ ❚❚P/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.

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:
- ◆ ► to start playing the cassette
- ◆ SLOW (⊕ or ⊖) as many times as required to decrease or increase the speed respectively
- ◆ ► to return to the normal speed

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

☞ When you have been using the Slow Motion function for more than about five minutes, the VCR will automatically play to protect the:
- ◆ Cassette
- ◆ Video heads

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 **AUTO POWER OFF** option is selected.

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

┌──► OFF ──► 2HOUR ──► 3HOUR ──┐

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 **REPEAT PLAY** option is selected.

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.

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-froward 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 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 corresponding ◄ or ► buttons to select the **USER SET** option.

3 Press the ▼ button to select this option.

4 Press the corresponding ▲ or ▼ buttons, until the **TAPE SELECT** option is selected.

5 Press the ◄ or ► buttons as many times as required, until the correct cassette length is displayed.

┌──► E180 ──► E240 ──┐
└── E 300 ◄── E260 ◄──┘

6 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 **NO. OF INTERVAL REPEAT** option is selected.

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.
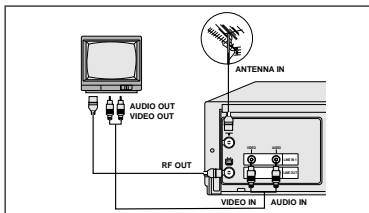Result: The tape is automatically rewound to the start point. "**INTERVAL REPEAT**" is displayed.

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 **OSD** option is selected.

5
To...	Press ◄ or ►, until...
Display on-screen information	ON is displayed.
Hide on-screen information	OFF is displayed.

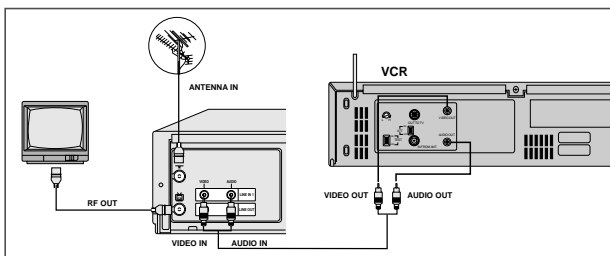**6** On completion, press MENU twice to exit the menu.

Recording From TV

ANTENNA IN
AUDIO OUT
VIDEO OUT
RF OUT
VIDEO IN   AUDIO IN

1 Turn on the TV. Tune your TV channel.

2 Connect your VCR to the TV by A/V cable as above figure.

3 Hold down the REC (●) button to start line recording.

4 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

ANTENNA IN
VCR
RF OUT
VIDEO OUT   AUDIO OUT
VIDEO IN   AUDIO IN

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 Begin playback on the playback side VCR and hold down REC (●) button.

4 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/SECAM standard
Heads	Video: 2 rotary heads / Audio/Control: 1 stationary head
	Erase: 1 full track erase head
Television system	STANDARD G, K
Luminance	FM azimuth recording
Colour system	PAL/MESECAM/NT4.43: Down converted subcarrier phase shifted direct recording
	SECAM: 1/4 counted down subcarrier direct recording
	NTSC PB on PAL TV
Tape speed	(PAL/MESECAM/SECAM) (NTSC)
	23.39 mm/sec 33.35 mm/sec
Recording/playback time	3 hours (E-180 Tape)
REW time	About 60 sec in REW with E-180
VIDEO	
Input	0.5 to 2.0 Vp-p; 75 ohm unbalanced
Output	1.0 ± 0.2 Vp-p; 75 ohm unbalanced
AUDIO	
Input	-8 dBm, 47 Kohm unbalanced
Output	-8 ± 3 dBm, 1 Kohm unbalanced
Frequency response	100Hz - 8KHz
Power requirement	100-240V~, 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