



user guide

Video Recorder
Model: LV4947 LV4981

English

SHOWVIEW®



Before connecting, operating or adjusting your new VCR,
please read this user guide carefully. Thank you.

Contents, safety and cleaning

Please read the following information carefully.

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Safety

- Position your Video Recorder so that no bright light or sunlight falls directly onto it.
- Care should be taken not to expose your Video Recorder to any unnecessary vibration, moisture, dust or heat.
- During electrical storms it is advisable to unplug both the aerial cable and mains plug to prevent accidental damage to your Video Recorder and TV.
- Do not operate your Video Recorder if it is damaged.
- If your Video Recorder still does not operate properly, unplug it and call your dealer. Your VCR should not be repaired by anyone except qualified service personnel.
- Never remove the top cover of your Video Recorder as this can expose you to very high voltage and other hazards.
- Ensure that your Video Recorder is placed in a position to allow a free flow of air.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



This product is manufactured to comply with EMC Directive 2004/108/EC Low Voltage Directive and 2006/95/EC.

European representative :
LG Electronics Service Europe B.V.
Veluwezoom 15, 1327 AE Almere,
The Netherlands
(Tel : +31-036-547-8940)

Cleaning

- 1 Unplug the Video Recorder from the mains supply.
- 2 Clean the cabinet with a soft damp cloth, do not apply liquid cleaners or aerosol cleaners. Never spray cleaning liquids on or near the Video Recorder.

Video head cleaning

Whenever a video cassette is inserted into or ejected from your Video the video head is automatically cleaned. This should mean that additional head cleaning should not be necessary. However dirt accumulating on the head after a long period of time can cause the playback picture to become blurred or broken up. High quality video cassette tapes will not normally

deposit dirt onto the video head, but old or damaged tapes might.



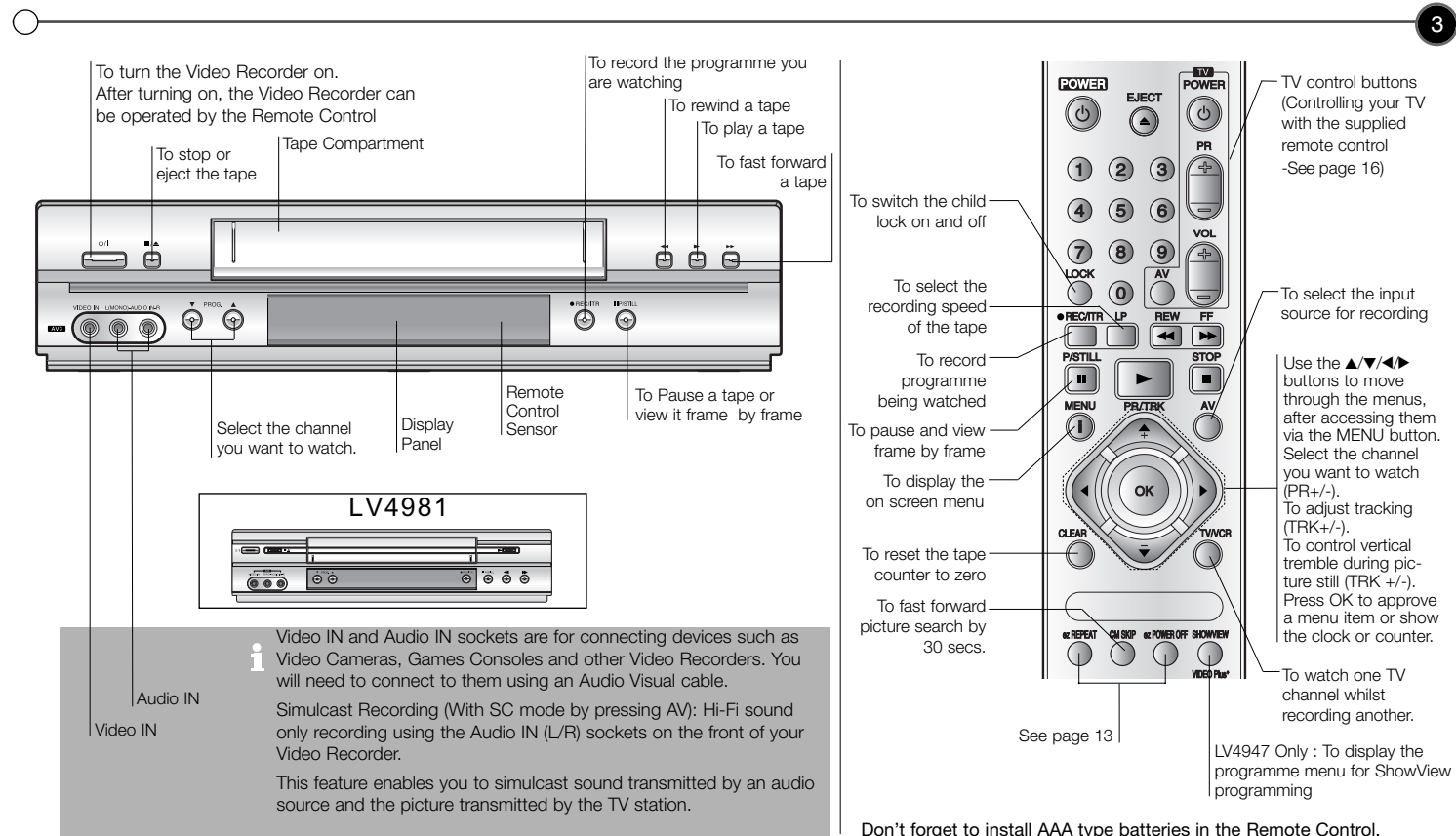
Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Introducing your Video Recorder and Remote Control

Most of your Video Recorder's functions are accessed using the Remote Control. A summary of the functions of the main buttons are shown below (right), other buttons are described elsewhere in this guide.

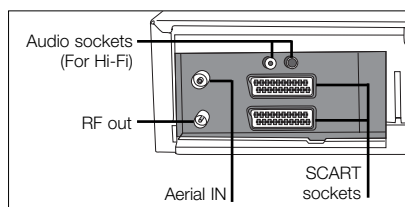
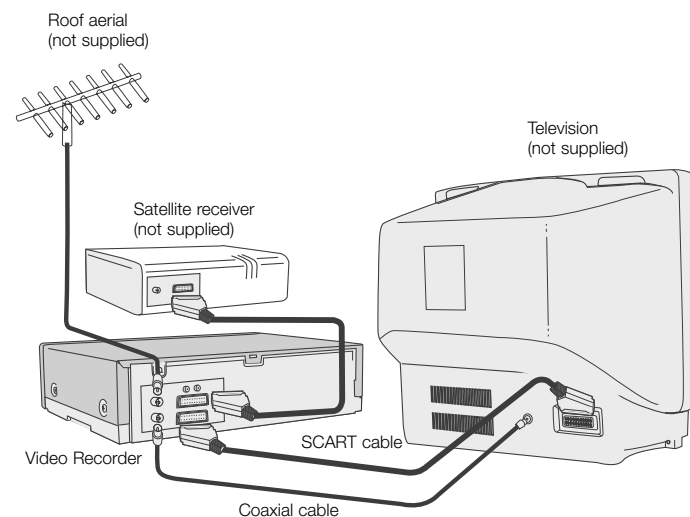
Basic functions of your Video Recorder can also be operated using the control panel on the front of your Video Recorder.



Connecting to a television and satellite receiver

The information given here refers to the two most common forms of connection. Make sure that all the appliances are unplugged from the mains power, before making any connections to avoid causing damage to your equipment. Using a SCART cable to connect your appliances will give you the best sound and picture quality.

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You should use either a Coaxial connection or a SCART connection between your Video Recorder and Television.

Connection guide

Roof aerial

Your outside aerial should be connected to the **AERIAL** socket of your Video Recorder.

Coaxial cable

If you are using the coaxial cable a connection needs to be made from the **RF.OUT** socket on your Video Recorder to the aerial socket on your television.

SCART socket

If you have a SCART socket connection on your television you can connect the television's SCART socket to the **EURO AV 1** socket on the back of the Video Recorder.

Satellite receiver

Your Satellite Receiver should attach using a SCART cable to the **EURO AV 2** socket on the back of the Video Recorder.

Decoder






Some TV broadcasters transmit encoded television signals which you can only see with a purchased or rented decoder. You can connect such a decoder (descrambler) to your Video Recorder.

Tune a video channel

If you are using a **SCART** connection then the video picture will be shown on the **AV** channel of your television.

If you are using a **Coaxial cable** you need to select a TV channel on your Television and tune it to the Video Recorder signal, a bright blue screen. Please consult your Television User Guide for information on how to do this.

If you have trouble attaining a good picture it may be that the output frequency of the Video Recorder (**UHF 36**) is already in use by your television. To change this:

Press **POWER**  on the Remote Control to put the Video Recorder on standby then press and hold **PROG.**  or  on the front of your VCR for more than 4 seconds. **RF CHANNEL 36** will appear on your television screen. Press **PROG.**  or  on the Video Recorder to select another frequency channel. Select any number between **22** and **68**. Tune as normal.

You can also set it to "OFF" if there is any interference when your TV is connected to the VCR with a SCART cable.

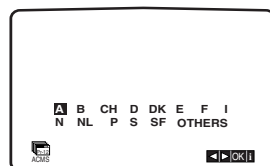
Tuning in TV stations

The first time you use your VCR you will see **ACMS (Automatic Channel Memory System)** displayed on the screen. This system automatically tunes and stores TV channels. If you want to return to ACMS after your initial set up, access it via the menu.

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Using ACMS

- 1 Press the **POWER** Button  to turn on your Video Recorder.
- 2 Select the video channel you have tuned on your television, refer to your TV user guide if necessary. The **ACMS** menu screen will appear.
Press **◀** or **▶** to select **COUNTRY**.
(A:Austria, B:Belgium, CH:Switzerland, D:Germany, DK:Denmark, E:Spain, F:France, I:Italy, N:Norway, NL:Netherlands, P:Portugal, S:Sweden, SF:Finland, OTHERS)



- 3 Press **OK** to start the automatic tuning process.
- 4 When the ACMS has finished a screen showing all the channels that have been found and the positions they have been placed in will be displayed.

- 5 Check that the channels correspond to the positions in which you want them. If they are not in the order that you would like they can be moved or deleted. See **Changing the order of the television stations** and **Deleting the television stations**.
- 6 Press **■** to store the settings.

Changing the order of the television stations

You will find it useful to have a current television programme guide to hand during this operation.

- 1 Press **■** to access the main menu. Use **◀** or **▶** to select **PR SET** then press **OK**.
- 2 Press **■** again.
- 3 Use either the **▲** or **▼** buttons to select the programme number that you wish to move. Then press **▶**.
- 4 Press **▲** or **▼** until you reach the position you wish to store the channel in.
- 5 Press **OK**. The programme will move to the new position.
- 6 Press **■** to leave the menu.

To move other programs repeat the above process.

Deleting the television stations

- 1 Press **■** to access the main menu.
- 2 Use **◀** or **▶** to select **PR SET** then press **OK**.

- 3 Press **■** then use **▲** or **▼** to select the programme number you wish to delete.
- 4 Press **◀**, after a short while the selected station will be deleted. The remaining stations are resorted automatically.
- 5 Press **■** to remove the menu. If you wish to delete further stations repeat the above process.

Selecting ACMS

- 1 Turn on your television and your Video Recorder and select the video channel on your television.
- 2 Press **■** to access the main menu. Press **◀** or **▶** to select **ACMS**, and then **OK**.
- 3 Follow the instructions in **Using ACMS**, at the beginning of this page.

Tuning and adjusting TV stations manually

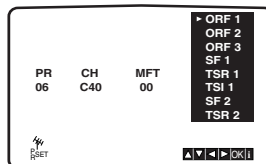
You may prefer to tune your television manually. Manual tuning can be more effective if the television signal in your area is too weak for the **ACMS** to work properly. You can also fine tune your channels and customise the channel names.

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Manual tuning

- 1 Turn on your television and your Video Recorder. Select the video channel on your television and press **i** to access the main menu.
- 2 Press either **◀** or **▶** to select **PR SET** then press **OK**.
- 3 Press **i** again and the television station table will then appear.
- 4 Use the **▲** or **▼** buttons to select the programme number you want to tune then press **OK**.
- 5 Select the **CH** section (if not already selected) by using the **◀** or **▶** buttons and then press **AV** to select **C** (Standard stations) or **S** (Cable stations).
- 6 Use the **▲** or **▼** buttons to move through the channel numbers to find the required station.
- 7 The station can be fine tuned to improve picture quality. Select **MFT** (Manual Fine Tuning) using the **◀** or **▶** buttons. Use the **▲** or **▼** buttons to adjust the picture.
- 8 Select **STATION** by pressing **▶** you can then name your station.

- 9 Press **OK** to reveal the television station name list. Use the **▲** or **▼** buttons to select a station name from the list. Press **OK** to select it.



If the name you require is not on the list see **Customising station names** opposite (Start from step No. 5).

- 10 To confirm the station placement press **i**.
- 11 Press **i** again to remove the menu.
- 12 The new station has now been stored into your Video Recorder.

If you wish to manually tune other channels you should repeat the above procedure.

To move the manually tuned channel to it's correct position see **Changing the order of the television stations** on page 5.

If it is necessary for you to tune all the television stations manually you may find it easier if you write the **CH** numbers down for each station as you find them. You can then select each channel from the main menu and type the **CH** numbers in directly. Each channel will then be in the correct position so there is no need to change them later.

Customising station names

If the station name you require isn't listed you can insert one manually instead of using the templates.

- 1 Press **i** to access the main menu. Use **◀** or **▶** to select **PR SET** then press **OK**.
- 2 Press **i** again then use **▲** or **▼** to select the programme number you wish to customise station name.
- 3 Press **OK**.
- 4 Press **▶** to go to **STATION** and then press **OK**.
- 5 Then press **▶**, a flashing bar appears beneath the first letter.

- 6 Use **▲** or **▼** to select letters and numbers for the new station name up to a maximum of 5.
- 7 Press **◀** or **▶** to move between the characters.
- 8 Press **OK**.
- 9 To confirm the new position press **i**.
- 10 press **i** again to exit the menu.
- 11 The new station name is now stored in your Video Recorder.

Operating your Video Recorder

The main functions of your Video Recorder can be operated using either the Remote Control or front control panel on the Video Recorder. Before starting, you should ensure that your television and your Video Recorder have been plugged in and switched on and that the video channel on your television is selected.

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Playing a video tape

Press **PLAY ►**. The television screen will display **PLAY** and **SP** or **LP** depending on whether the recorded tape is Standard Play or Long Play.

Auto tracking

Your Video Recorder will automatically adjust the tracking to give you the best picture quality. **A.TRACKING** will be displayed on screen while this function is in operation. If the quality of the recording is poor, repeatedly press **TRK +** or **-** on the remote control to manually adjust the tracking until any distortions have been removed. Press **numbered 0** on the remote control to switch automatic tracking back on again.

Stopping play

Simply press **STOP ■** to halt video play. The Video Recorder will revert to television mode.

Picture Search

While a video cassette is playing you can search the tape forward and

backward to look for a specific position on the tape.

Press **REW ◀◀** or **FF ▶▶** to make the tape play rapidly forwards or backwards. The picture will be shown at seven times normal play speed.

Fast Forward/ Rewind

To fast forward or rewind at maximum speed, the tape must not be in play mode. Press **STOP ■** then press either **◀◀** for rewind or **▶▶** for fast forward. Whilst you are rewinding or fast forwarding you can view the section you are passing. Press and hold (for a few seconds) either **REW ◀◀** or **FF ▶▶**. Releasing the **FF ▶▶** button or **REW ◀◀** button will return the Video Recorder to normal rewind or fast forward operation.

Slow Motion Playback, Shuttle

Using the **◀** or **▶** buttons it is possible to adjust playback speed during playing back or still picture. Below is a list of what speeds are accessible and how to reach them.

- ◀ onec = slow play
- ◀ twice = still
- ◀ three times = play backwards
- ◀ four times = Reverse play 3x speed
- ◀ five times = Reverse play 7x speed
- ▶ once = 2x forward play
- ▶ twice = 7x forward play

To switch off the slow motion and shuttle, press the desired function.

During slow motion and shuttle, the noise bars may appear on the picture according to the status of tape. If distortions can be seen in the picture, reduce them with **TRK +** or **-**.

Pausing a tape

Pressing **P/STILL ■■** will pause play, giving you a still picture on the screen. This picture may display some interference in the form of black and white horizontal lines. This is perfectly normal and does not mean that the video tape or Video Recorder are damaged.

The tape can be paused for up to five minutes. The Video Recorder will then automatically stop playing in order to avoid damaging the tape or your Video Recorder.

Frame Advance

- 1 Pressing **P/STILL ■■** repeatedly will advance the picture frame by frame.
- 2 You can use the **▲** or **▼** buttons to reduce any vertical movement seen on the still picture.
- 3 Press **PLAY ►** to continue play from pause.

Removing the Video tape

Press **EJECT ▲** to remove the video cassette from your Video Recorder. If the end of the tape is reached, your Video Recorder will automatically stop, rewind, eject the tape and place itself into Standby mode.

Recording from television programs

There are three methods of recording, **Instant Timer Recording (ITR)** , **Timer Recording** and **ShowView (LV4947 Only)**

For all recording methods you should ensure the television channels are tuned and stored correctly and that the clock is set to the correct time.

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Recording from SCART

If you wish to record directly from the SCART socket at the back of your Video Recorder, connect the device you wish to record from using a SCART lead and press **AV** to display the picture from the device.

Long Play/Standard Play

Your Video Recorder has a Long Play (LP) feature. This means you can record twice the amount of information on each recordable video tape.

For example on a three hour (E180) tape you would be able to record six hours worth of programmes.

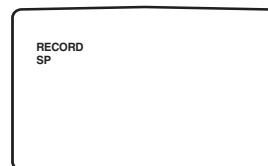
With Long Play picture and sound playback quality are slightly reduced from that of standard play.

Press the **LP** button if you wish to change to Long Play, press it again to select Standard Play (SP). **SP** or **LP** will be displayed on your television screen to let you know which has been selected.

Instant Timer Recording

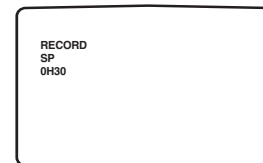
ITR begins recording immediately, either for a set period of time or until the tape runs out.

- 1 Turn on your Video Recorder and television. Insert a video tape into the Video Recorder. Select the video channel on your television.
- 2 Use the **PR +** or **-** buttons to select which programme you wish to record. The currently selected programme will be displayed on screen. You can also select the programme number using the Remote Control number buttons.
- 3 Press **● REC/ITR** to begin recording. On the first press **RECORD SP** will appear on the television screen.



The Video Recorder will start recording. It will continue recording until the end of the tape is reached or it is manually stopped.

To set the length of time which you want to record for, press the **● REC/ITR** button twice. The television screen will show **0H30**. Each subsequent press of the **● REC/ITR** button will increase the recording time by thirty minutes to a maximum of nine hours.



You can also interrupt recording to avoid unwanted scenes.

If you press **P/STILL** during ITR the Video Recorder will enter the record pause mode and the set period of time is cancelled.

- 1 To pause recording press **P/STILL**.
- 2 Press **P/STILL** again to continue recording.

Tapes can be paused for up to five minutes. **RECP** will be displayed on the television screen while a tape is paused. After five minutes your Video Recorder will automatically cancel recording to prevent damage to the video tape or your Video Recorder.

To view one channel whilst recording another, press **TV/VCR** to disappear **VCR** on the Display panel. Using your TV remote, switch to the channel you want to watch.

Finishing a recording

- 1 Press **STOP**.
- 2 Press **EJECT**. **EJECT** will appear on the television screen. If the end of the tape is reached your VCR will automatically stop recording, rewind, stop and eject the tape and place itself into Standby.

Recording using Timer Recording

Allows you to specify a time at which the Video Recorder will start recording.

This can be done up to one month in advance with up to seven recordings being pre-programmed.

Ensure the television channels have been tuned and stored correctly and that the clock is set to the correct time.

Timer Recording

Insert a video tape.

- 1 Press **i** for the main menu.
- 2 Use **◀** or **▶** to select **REC**.
- 3 Press **OK**. Press **OK** again to enter the timer record menu.

PR	DATE	T I M E	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP

- 4 To enter the programme number that you wish to record you can scroll through the available options using the **▲** or **▼** buttons or you can enter the numbers directly. When selecting single digit numbers remember to put 0 first. If you wish to record from the SCART socket or RCA socket press **AV**.
- 5 Press **▶** and enter the date of the programme that you wish to record. Press **OK** before entering a date to select one of the automated features. They are **DLY** (daily) to record every day except Saturday and Sunday at the set time, or individual days e.g. **MO** (Monday)

to record at the same time every week. Press **◀** or **▶** to select, then press **OK** to confirm.

- 6 Enter the time of the start and end of the programme that you wish to record. The Video Recorder uses a 24 hour clock.

PR	DATE	T I M E	SP
PR-01	26	10:00-11:00	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP

- 7 Press **▶** to select the recording speed. Use the **▲** or **▼** to move among Standard Play, Intelligent Play and Long Play. IP (Intelligent Play) determines how much tape is left and switches speed from SP to LP, if necessary, to complete recording the programme.
- 8 Check that the timer event details are correct, if they are, press **i** to save your settings. If **PLEASE CHECK** is displayed you have entered incorrect information. Check the details on the television screen and reenter it. If you want to enter more Timer recordings,

repeat the above process from point 3. Press **i** again to remove the menu.

- 9 Place the Video Recorder on standby by pressing the **POWER** button **⏻** on the remote control. **TIMER** will appear in the Video Recorder display to show that it is set to record. The Video Recorder is now set to record at the time you have specified.

- 10 Press **STOP** **■** to end recording.

Changing timer events

If you wish at any time to change a recording event press **▲** or **▼** to select the timer slot that you wish to change.

PR	DATE	T I M E	SP
PR-01	26	10:00-11:00	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP
--	--	--:--:--	SP

Press **◀** to delete or **OK** to edit that entry.

Use the **◀** or **▶** buttons to select the section you wish to change and the **▲** or **▼** buttons to change those sections.

Recording using ShowView (LV4947 Only)

ShowView simplifies the process of recording television programmes. It works by entering codes that contain all the necessary information for recording. These are called ShowView Codes and can be found in most television listings magazines. You must tune and store channels as set out on page 5 and set the clock to the correct time before using **ShowView**.

ShowView is a registered trademark of Gemstar Development Corporation.

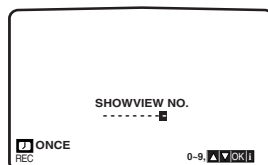
The ShowView system is manufactured under licence from Gemstar Development Corporation..

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ShowView

ShowView will only work if all the channels have been tuned and stored. The clock must also be set to the correct time, see page 11.

- 1 Turn on your Video Recorder and your television. Insert a recordable video tape.
- 2 Press the SHOWVIEW button on the Remote Control.



- 3 Use the ▲ or ▼ buttons to select the recording type:

ONCE will be a single recording event.

DAILY will record each week day at the same time.

WEEKLY will record on the same channel at the same time each week.

- 4 Use the numbered buttons to enter the ShowView Code of the television programme you wish to

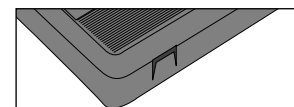
record. If you make a mistake press the ◀ button and re-enter the correct numbers.

- 5 Press **OK** and the recording details of your programme will be displayed. If **PLEASE CHECK** is displayed check that you have entered the right ShowView Code. If the number has been entered correctly but does not work, it may have been printed incorrectly in the television listings guide. If ' - ' is displayed on the "PR" you will have to enter the programme number that you want to record from. This will only happen once for each channel, once done it will be stored in the Video Recorder's memory. If you wish to record from the scart socket or RCA socket press **AV**.

- 6 Use the ▲ or ▼ buttons to choose among Standard Play, Intelligent Play and Long Play, as described on page 8. IP mode determines how much tape is left and switches speed from SP to LP, if necessary, to complete recording the programme.

- 7 Check the details are correct and press **i** to save your settings. If **PLEASE CHECK** is displayed check that the details are correct. If you wish to set other **ShowView** recordings repeat steps 2-7. Press **i** again to remove the menu.
- 8 Turn off the Video Recorder, **TIMER** will be illuminated on the Display panel.
- 9 Press **STOP** ■ to end recording.

Protect your recordings



To stop a recording you have made being recorded over, break off the protection tab on the rear of the video tape. To record on a tape that has had its protection strip removed, cover the hole with adhesive tape.

Recording tape to tape

You will need a second Video Recorder for tape to tape copying. Connect using a SCART cable from the back of your Video Recorder or using the AV sockets on the front.

Select audio/video mode on the recording Video Recorder by pressing the **AV** button on the Remote Control. To monitor the recording, connect the recording Video Recorder to your TV using the standard coaxial aerial cable recording.

Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

11

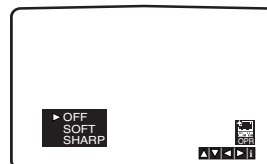
CM (Commercial Message) Skip

This enables you to skip past small sections of the video tape, such as commercial messages, television adverts or film trailers. Press the **CM SKIP** button on the remote control, during play. Each subsequent press of the button increases the amount of the tape which is skipped by 30 seconds, up to a total of three minutes (180 seconds). After the chosen time has passed normal play will automatically resume.

OPR (Optimum Picture Response)

This enhances the picture from the video tape by adjusting to the condition of the video tape. If you feel that the picture needs adjusting you can manually change the **OPR** setting. You can only set **OPR** when a tape is playing in the Video recorder.

- 1 Press **■** to enter the main menu.
- 2 Use **◀** or **▶** to select **OPR** then press **OK**.

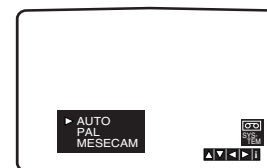


- 3 Use the **▲** or **▼** buttons to select **OFF**, **SOFT** or **SHARP**.
- 4 Press **■** to exit the menus.

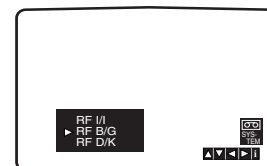
Colour standards

Your Video Recorder uses dual colour standards, **PAL B/G** and **SECAM D/K**. During play your Video Recorder should select the Colour System automatically, however if you experience problems you may need to do it manually.

- 1 Press **■** to enter the main menu.
- 2 Use **◀** or **▶** to select **SYSTEM** then press **OK**.
- 3 Use **▲** or **▼** to select the colour system used in your recording.



- 4 Use **◀** or **▶** to select the **RF AUDIO**.
- 5 Use **▲** or **▼** to select the channel of audio output according to your TV type.

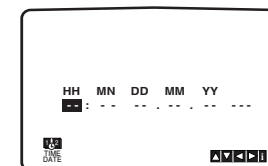


- 6 Press **■** to exit the menus.

Setting the clock

The Video Recorder uses a 24 hour clock, so that for example 1 pm is represented as 13:00. Single digit numbers should be entered with a 0 in front for instance, 01.

- 1 Press **■** to enter the main menu. Use the **◀** or **▶** buttons to select **TIME DATE** then press **OK**.
- 2 The Auto Adjust mode can be set to **OFF** by using the **▲** or **▼** buttons. Press **OK** to adjust the date and time.



- 3 Use the numbered buttons on the remote control to enter the the **HOURS**, **MINUTES**, **DAY**, **MONTH** and **YEAR**. The day of the week will appear automatically once the date has been entered. If you make a mistake use **◀** or **▶** to select the item and re-enter the details.
 - 4 Once you are satisfied press **■** to store your settings.
- LV4947 Only : If Auto Adjust is on and the signal is sufficiently strong, the clock settings will be automatically checked against teletext and adjusted as necessary.

Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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On screen display (OSD)

This can be used to display the current time, tape counter, tape remaining, day, month and year, day of week, channel and operational mode of your Video Recorder on your television screen. If a recording is taking place, the on screen displays will not be recorded onto tape.

- 1 Press **OK** to show the OSD.



- 2 Press **OK** repeatedly to cycle through the display options. The tape counter and amount of tape left will appear if there is a tape loaded.
- 3 After 3 seconds the majority of the OSD will clear leaving only the clock or tape counter and the amount of tape left on the television screen.

- 4 Press **OK** again to remove all OSD's from the television screen.

To turn off the on screen displays completely.

- 1 Press **■** to enter the main menu.
- 2 Select **fOSD ON OFF** using **◀** or **▶** then press **OK**.
- 3 Select **OFF** using **▲** or **▼**. Press **■** to save the setting.

Energy Save

This feature allows you to conserve energy. If you have programmed the Video Recorder to record a future television programme this feature will not work.

- Press **⏻** on the Control Panel. All indicators in the Display Panel will be off.

To turn off Energy Save.

- Press the **POWER** button **⏻** (or **⏻**) on the Remote Control or the Control Panel.

Resetting the digital tape counter

The tape counter displays the play or recording time elapsed in hours minutes and seconds. Press **CLEAR** to reset the counter to 0:00:00.

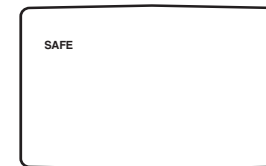
When you press **STOP ■** and press **REW ◀**, the Video Recorder will stop at 0:00:00, the point where you reset the counter.

Lock (Child Lock)

You can turn off the buttons on the Control Panel so that your Video Recorder can only be operated using the Remote Control.

- 1 Press the **LOCK** button on the Remote Control. **SAFE** will appear on the television screen.

None of the buttons on the Control Panel will work apart from **STOP ■** and **EJECT ▲**.

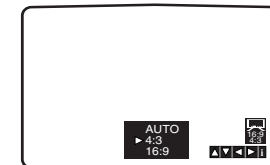


If any other buttons on the front of the VCR are pressed, **SAFE** will appear on the television screen. To unlock the Child Lock press the **LOCK** button again on the Remote Control.

Wide Screen

For wide screen playback your Video Recorder must be connected to your television using a SCART cable.

- 1 Press **■** to enter the main menu.
- 2 Use the **◀** or **▶** buttons to select **16:9/4:3** and press **OK**.



Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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- 3 Use the ▲ or ▼ buttons. Choose:
AUTO: automatically chooses the correct format for the content.
4:3: for playing back and recording in normal format.
16:9: for playing back and recording in Wide Screen format.


- 4 Press **i** to save your settings.

Sound settings

Your Video Recorder can record and play back stereo sound. You can select the way sound is played back.

- 1 Press **i** to access the main menu.
- 2 Select **AUDIO** with the ◀ or ▶ buttons.
- 3 Press **OK**.
- 4 Use the ▲ or ▼ buttons to choose between:
STEREO
LEFT (left channel only)
RIGHT (right channel only)
MONO
- 5 Press **i** to exit the menu.

Automatic power off

By pressing the **POWER** button  while rewinding a tape the Video Recorder will turn off automatically when the tape rewind has completed.

ez Power Off

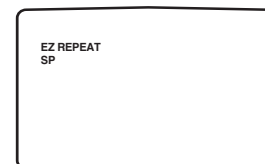
Press the button marked **ez POWER OFF** during play. The Video Recorder will automatically stop the tape, rewind to the beginning and eject the tape.

It will then turn itself to standby.

ez Repeat

You can select a section of the video tape to repeat twice and then resume play.

- 1 Press and hold the **ez REPEAT** button. The Video Recorder will automatically rewind for as long as the **ez REPEAT** button is held.
- 2 Release the button when you want the replay to begin.
- 3 The Video Recorder will then play the selected section twice.

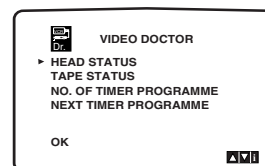


- 4 To resume normal play from any position, press the **ez REPEAT** button during the first repeat.

Video Doctor

The Video Doctor will show the status of aspects of the Video Recorder.

- 1 Press **i** to access the main menu.
- 2 Select **Dr.** with the ◀ or ▶ buttons.
- 3 Press **OK**.



- 4 Use the ▲ or ▼ buttons to check the following features.
HEAD STATUS
PLEASE CLEAN: The tape heads need cleaning.

TAPE STATUS

NOT RECORDABLE: The Cassette in the Video Recorder has had its protection tabs removed, insert a tape suitable for recording.

NO. OF TIMER PROGRAMME
 2

Shows the number of timer recording programmed.

NEXT TIMER PROGRAMME

FR2 26 10:00-11:00 SP
 Shows the current status of timer recording.

- 5 Press **i** to remove the menu from the television screen.

Advanced functions on your Video Recorder

Your Video recorder has some advanced operations with features you may find useful.

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To set the Decoder

We have already described, how to connect a decoder for pay-TV station as CANAL+ or PREMIERE on page 4.

For the recording of an encoded station you do not have to control anything. You just select the station and wait shortly until the decoding will start.

- 1 Press **■** to access the main menu.
- 2 Select **DECODER** with the **◀** or **▶** buttons.
- 3 Press **OK**.
- 4 Use the **▲** or **▼** buttons to select on when receiving the encoded broadcasts.
The connected decoder will be activated.
- 5 Press **■** to exit the menu.

Language selection

It is possible to change the language that the on screen displays are shown in. You can choose between ENGLISH, DEUTSCH, ITALIANO, ESPAÑOL, GREEK and PORTUGUÊS.

- 1 Press **■** to display the main menu.
- 2 Select **ABC** using the **◀** or **▶** buttons.
- 3 Press **OK** to reveal the language choice screen.
Select your desired language using the **▲** or **▼** buttons.
- 4 Press **■** to store the settings.

Troubleshooting

If you are having trouble with your Video Recorder please check the following before calling your service centre.

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No picture and no sound

- Check that the Video Recorder plug has been plugged in and switched on at a mains wall socket and that the television has been plugged in and switched on.
- Check the aerial lead is undamaged and securely connected to the correct sockets in both the television and the Video Recorder.
- Check that you have tuned into a video channel on your television.
- If you are using a SCART connection, check that the cable is secure and that the correct AV channel is selected on your television.

No playback or a poor picture

- Try a different video cassette. If the problem is resolved, the problem may have been the cassette itself.
- Try using the tracking buttons TRK + or - to reduce the amount of visible interference.
- If the cassette contains a recording that you have recently

made from the television, the television channels may not be tuned to the Video Recorder correctly.

TV programmes cannot be recorded

- Check the reception on your television set. If you cannot receive a picture through your aerial, the Video Recorder will be unable to record television broadcasts.
- Check the aerial lead is undamaged and securely connected to the correct sockets.
- Check that the Video Recorder has been tuned to the television programmes properly.
- Check the rear of the video cassette to see if the safety tab used to prevent recording has been removed.
- Check that the signal being received by the television is reasonable quality.

A video tape cannot be inserted

- Check that there is not a cassette in the Video Recorder already.

- Is the video cassette the right way round? The windows should be at the top and the arrow should be pointing toward the Video Recorder.

The Remote Control does not work

- Has the Video Recorder been plugged in and switched on?
- Check that the batteries have been inserted correctly into the Remote Control.

The top of the video picture is unstable

- The video cassette may be damaged. Insert another video cassette and check the picture from it.
- Try adjusting the horizontal control on your television, you should consult your television user guide on how to do this.
- Check the aerial lead is undamaged and securely connected to the correct sockets.
- Ensure that the television has been correctly tuned to your Video Recorder.

No Hi - Fi sound

- In the Audio menu check that the **STEREO** option has been selected.
- Check your television user guide to see if you have a stereo feature on your television.

Autoplay does not work

- If the safety tab has not been removed from the video cassette this function will not work.
- This function will not work during the "Lock" operation (See page 12).

Controlling your TV with the supplied remote control and technical specifications

Specifications are correct at time of printing. LG is constantly innovating and products may change at any time without warning.

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You can control the sound level, input source, and power switch of your LG TV with the supplied remote control.

You can control your TV using the buttons below

By pressing	You can
TV POWER	Turns the TV on or off.
TV AV	Switch the TV's input source between the TV and other input sources.
TV PR +/-	Scans up or down through memorized channels.
TV VOL +/-	Adjust the volume of the TV.

Controlling other TVs with the remote control

You can control the sound level, input source, and power switch of non-LG TVs as well. If your TV is listed in the table below, set the appropriate manufacturer code.

- While holding down TV POWER button, press the number buttons to select the manufacturer code for your TV (see the table below).
- Release TV POWER button.

Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

Manufacturer	Code Number
LG / GoldStar	1 (Default), 2
Zenith	1, 3, 4
Samsung	6, 7
Sony	8, 9
Hitachi	4

Notes

- Depending on your TV, some or all buttons may not function on the TV, even after entering the correct manufacturer code.
- If you enter a new code number, the code number previously entered will be erased.
- When you replace the batteries of the remote, the code number you have set may be reset to the default setting. Set the appropriate code number again.

Specifications

General

Power	200-240V~, 50Hz
Power consumption	Approx. 12 Watts (Energy Saving mode: 3 Watts)
Video Head System	Double azimuth 4 heads, helical scanning
Tape speed	23.39 mm/sec (SP mode) 11.69 mm/sec (LP mode)
Tape Format	Tape width 12.7mm (0.5 inch)
Max. recording time	4 hours (SP mode, E-240 Tape) 8 hours (LP mode, E-240 Tape)
Rewind time	Approx. 65 (±10) secs (E-180 tape)
Dimensions	360 x 82 x 230mm (W x H x D)
Weight	2.87 kg
Operating temperature	5° C - 35° C
Operating humidity	Less than 80%
Timer	24 hours display type

Video

Television system	CCIR standard (625 lines, 50 fields)
Recording format	PAL/SECAM colour signal
RF reception	PAL/MESECAM
RF OUT	PAL SECAM (B/G, D/K, I/I)
Input level	PAL G/K/I
Output level	VIDEO IN (SCART, RCA) 1.0 Vp-p, 75 Ohm unbalanced
Signal to noise ratio	VIDEO OUT (SCART) 1.0 Vp-p, 75 Ohm unbalanced
RF modulator	More than 43 dBm
	UHF channels 22-68 (adjustable)

Audio

Input level	AUDIO IN (SCART, RCA)
	SCART: - 6.0 dBm, more than 10 kohms
	RCA: - 6.0 dBm, more than 47 kohms
Output level	AUDIO OUT (SCART, RCA)
	SCART: - 6.0 dBm, less than 1 kohms
	RCA: - 6.0 dBm, less than 1 kohms
Track	Mono track & Hi - Fi Track
Frequency response	Normal : 100 Hz - 10 kHz (-6/+3 dBm)
	Hi - Fi : 20 Hz - 20 kHz (-3/+3 dBm)
Signal to noise ratio	Hi-Fi : More than 70 dB (JIS A filter)
Dynamic range	Hi-Fi : More than 85 dB (JIS A filter)



Model No. GC947P1/GC981P1
Part No. MFL46896868