



user guide

Video
with line recording
Model : GL182



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

Contents, safety and cleaning

Please read the following information carefully.

2

Contents

Introducing your Video and Remote Control	3
Connecting to a television	4
Operating your Video	5
Recording	6
Line-in recording	6
To pause recording	6
Dubbing tapes	6
Finishing a recording	6
Advanced functions on your video	7-9
On screen display (OSD)	7
Automatic power off	7
Language selection	7
OPR(Optimum Picture Response)	7
Repeat playback	8
Video Doctor	8
Colour system select	8
RF Audio settings	9
Video INPUT settings	9
DC Power Source	10
Troubleshooting	11
Technical specifications	12

Safety

- Position your Video so that no bright light or sunlight falls directly onto it.
- Care should be taken not to expose your Video 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 and TV.
- Do not operate your Video if it is damaged.
- If your Video still does not operate properly, unplug it and call your dealer. Your Video should not be repaired by anyone except qualified service personnel.
- Never remove the top cover of your Video as this can expose you to very high voltage and other hazards.

- Ensure that your Video 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.

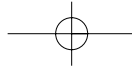
Cleaning

- 1** Unplug the Video 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.

Video head cleaning

High quality video tapes will not normally deposit dirt onto the video heads, but old or damaged tapes may. This dirt can accumulate on the video heads after a long period of time and cause the picture to become blurred or broken up. To clean the video heads use a video heads cleaning tape available from electrical stores.

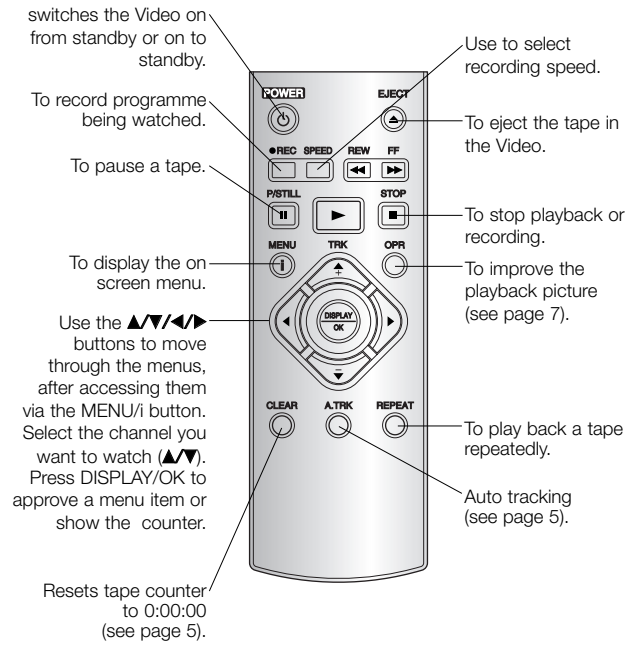
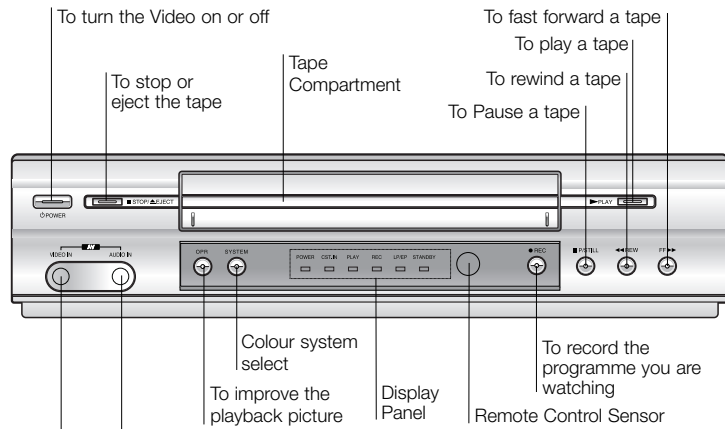


Introducing your Video and Remote Control

Most of your Video's functions are accessed using the Remote Control.

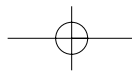
A summary of the functions of the main buttons are shown below (right), other buttons are described elsewhere in this guide.

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



i Video IN and Audio IN jacks are for connecting devices such as Video Cameras, Games Consoles and other Video Recorders. You will need to connect to them using an Audio/Video cable.

Don't forget to install three AAA type batteries in the Remote Control.

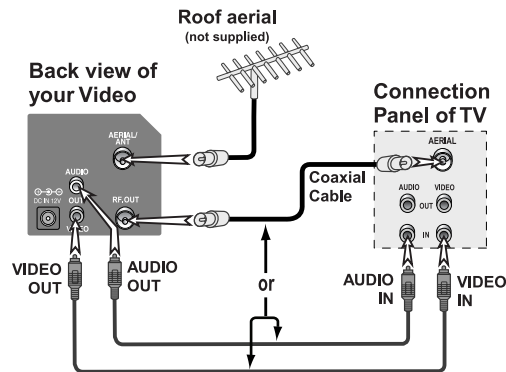


Connecting to a television

The information given here refers to the most common forms of connection.

However please check with your manufacturer's instruction books for specific information. Make sure that all the appliances are unplugged from the mains power, before making any connections to avoid causing damage to your equipment.

4



Connection guide

Connecting a video using Audio/Video cable is one of the best ways to achieve optimum sound and picture quality from video-tape playback (Recommended). If you own a TV with AV input sockets you will be able to enjoy it; you will be unable to enjoy this facility if you connected just using a normal RF cable.

Roof aerial

Your outside aerial should be connected to the AERIAL/ANT socket of your Video.

Coaxial cable

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

Tune a video channel

Your TV receives signals from the video like another TV station. You have to select a channel number on your TV and tune it in so that you may watch video tapes.

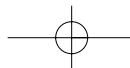
If you are using a Coaxial cable you need to select a TV channel on your Television and tune it to the Video signal, a bright blue screen. If you connect a monitor or a TV set equipped with AUDIO and VIDEO sockets this adjustment will not be necessary, simply select the AV mode on your TV (Recommended).

- 1** Insert a pre-recorded video tape into your video and press ►.
- 2** Select channel 36 on your TV. And then you will see the picture being played in your video.
- 3** Store the selected TV channel on your TV.

Please consult your Television User Guide for information on how to do this.

Changing the transmitter channel

If channel 36 is already occupied at your TV set, or if the picture is distorted, please consult your nearest service center.



Operating your Video

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

5

Playing a video tape

Press **▶**.
The television screen will display **PLAY**.

Auto tracking

Your Video will automatically adjust the tracking to give you the best picture quality.

Manual tracking

If noise appears on the screen during playback, press either **TRK (▲/▼)** on the remote control until the noise on the screen is reduced.

Stopping play

Simply press **STOP ■** to halt video play.

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.

During visual search **PLAY** indicator flashes in the display window on the front of your Video.

Fast Forward / Rewind

To fast forward or rewind at maximum speed, the tape must not be in play mode.

Press **STOP ■** then press either **REW ◀◀** for rewind or **FF ▶▶** for fast forward. While 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 **FF ▶▶** button or **REW ◀◀** button will return the Video to normal rewind or fast forward operation.

Pausing a tape

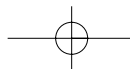
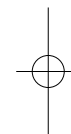
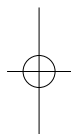
Pressing **P/STILL ||** will pause play, giving you a still picture on the screen. This picture may display some interference in the form of black and white horizontal lines. This is perfectly normal and does not mean that the video tape or Video are damaged.

The tape can be paused for up to 5 minutes. The Video will then automatically stop playing in order to avoid damaging the tape or your Video.

Counter Memory Function

This is useful if you want to return to the same point several times.

- 1 Begin playing a tape.
- 2 Press **DISPLAY/OK** repeatedly to display the Real-time counter on the TV screen.
- 3 At the point that you want locate later, reset the real-time counter to "0:00:00" by pressing **CLEAR**.
- 4 Continue to play.
- 5 Press **STOP (■)** when playback finishes.
- 6 Press **REW (◀◀)**.
The tape automatically stops when the tape counter returns to about "0:00:00".



Recording

Your video allows you to make recordings connecting to a TV equipped with audio and video sockets.

- Insert a video cassette with protection tab into your Video.

6

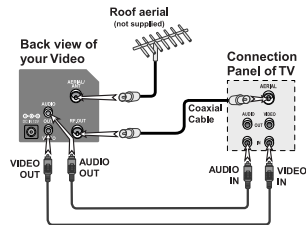
Line-in recording

- 1 Connect your video to a TV as shown below.
- 2 Select the channel you wish to record with the TV's channel selector.
- 3 Set the desired speed by pressing **SPEED**.

i NTSC color system : SP or EP.
PAL color system : SP or LP.

- EP provides three times as much recording time as SP, although SP produces better picture and audio sounds.

- 4 Press **REC** ● once. The REC indicator appear on the TV screen.
- If a cassette with no prevention tab is loaded, the cassette will be ejected automatically.



To pause recording

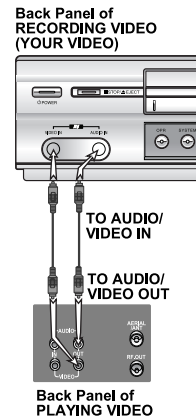
You can also interrupt recording to avoid unwanted scenes.

- 1 To pause recording press **P/STILL II**. The REC PAUSE will appear on the TV screen. Also REC indicator will flash during pause mode on the display window.
- 2 Press **P/STILL II** or **REC** ● again to continue recording. Tapes can be paused for up to 5 minutes. After 5 minutes your Video will automatically cancel recording to prevent damage to the video tape or your Video.

Dubbing tapes

- 1 Connect your video to another video as shown below.
- 2 Insert a pre-recorded source tape into another (playing) video.
- 3 Insert a blank video tape with the record protection tab into your (recording) Video.

Simultaneously begin playback on another Video and record on your Video.



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 Video will automatically stop recording, rewind, stop and eject the tape and place itself into Standby.

Advanced functions on your Video

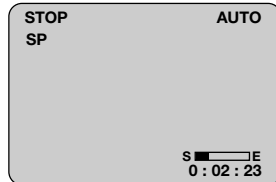
Your Video has some advanced operations with features you may find useful.

7

On screen display (OSD)

This can be used to display the tape counter, tape remaining, colour system, audio output channel and operational mode of your Video on your television screen. If a recording is taking place, the on screen displays will not be recorded onto tape.

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




The tape counter and amount of tape left will appear if there is a tape loaded.


- 2 If you press **DISPLAY/OK** again within 5 seconds, only the tape counter and amount of tape left are displayed.

- 3 Press **DISPLAY/OK** again to remove the tape counter and amount of tape left.

To turn off the on screen displays completely.


- 1 Press **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  then press **DISPLAY/OK**.
- 3 Select OFF using ▲ or ▼. Press **MENU/i** to save the setting.

Automatic power off

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

Language selection

It is possible to change the language that the on screen displays are shown in. You can choose among English, Français, Deutsch, Español, Italiano and РУССКИЙ.

- 1 Press **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  .
- 3 Press **DISPLAY/OK** to reveal the language choice screen. Select your desired language using ▲ or ▼.




- 4 Press **MENU/i** to store the settings.

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.

- 1 Press **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  then press **DISPLAY/OK**.
- 3 Use ▲ or ▼ to select OFF, SOFT or SHARP.



- 4 Press **MENU/i** to exit the menus.

You can also adjust the picture from the video tape by pressing **OPR** on the remote control or on the front of your video.


Advanced functions on your Video

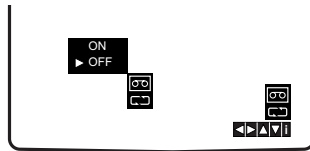
Your Video has some advanced operations with features you may find useful.

8

Repeat playback

If you want to play back a tape repeatedly, set **REPEAT** to **ON**.

- 1 Press **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  then press **DISPLAY/OK**.
- 3 Use ▲ or ▼ to select ON or OFF.




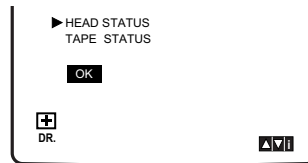
- 4 Press **MENU/i** to exit the menus.

If you want to release this function, set **REPEAT** to **OFF**.

Video Doctor

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

- 1 Press **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  then press **DISPLAY/OK**.
- 3 Use ▲ or ▼ to check the following features.



HEAD STATUS

PLEASE CLEAN: The tape heads need cleaning


TAPE STATUS

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

- 4 Press **MENU/i** to remove the menu from the television screen.

Colour system select

Your Video Recorder uses dual colour standards, PAL and MESECAM. 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 **MENU/i** to enter the main menu.
- 2 Use ◀ or ▶ to select  then press **DISPLAY/OK**.
- 3 Use ▲ or ▼ to select the colour system used in your recording.
- 4 Press **MENU/i** to exit the menus.

The system is changed as shown below.

Source	Mode	System Change
PAL/MESECAM	Recording	AUTO→PAL→MESECAM
	Playback	AUTO→PAL→MESECAM
NTSC	Recording	NTSC3.58→NTSC4.43
	Playback	NTSC-PB→NTSC3.58→NTSC4.43


i If your tape programme is **NTSC3.58** or **NTSC4.43**, set the system to **NTSC3.58** or **NTSC4.43** on a multi-system TV, or **NTSC-PB** on a PAL TV by pressing **SYSTEM** repeatedly on the front of your video.

Advanced functions on your Video

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

9


RF Audio settings

- 1 Press **MENU/i** to enter the main menu.
- 2 Use **◀** or **▶** to select  then press **DISPLAY/OK**.
- 3 Use **▲** or **▼** to select the channel of audio output according to your TV type.



- 4 Press **MENU/i** to exit the menu.

Video INPUT settings

- 1 Press **MENU/i** to enter the main menu.
- 2 Use **◀** or **▶** to select  then press **DISPLAY/OK**.



- 3 Use **▲** or **▼** to select ON or OFF.

ON

When you connect VIDEO OUT of TV to VIDEO IN on your Video, you have to select ON then blue background appears. Otherwise, you will see scrambled picture.

OFF

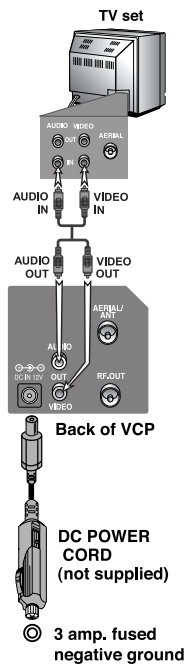
When you connect VIDEO IN on your Video to VIDEO OUT on an external unit(Another Video, Camcorder, etc.), you have to set OFF. Otherwise, you will see blue background.

- 4 Press **MENU/i** to exit the menu.

DC Power Source

Your Video is designed for in-home or portable use. You can power it from the cigarette lighter socket in your vehicle or a 12V (1.2A) DC power source.

10



DC Input Socket

Plug DC power cord into either the 12-volt DC outlet or cigarette lighter socket. Plug the other end into the DC input socket on your Video.

Do not leave your Video in a place where the temperature exceeds 70°C (158°F), or the pick-up device may be damaged.

Examples include :

- Inside a car with the windows closed and in direct sunshine.
- Near a heating appliance.

i Warning

When your Video is not in use, always disconnect it from the cigarette lighter socket to avoid battery drain.

Your Video and its DC power cord are designed for use in vehicles that have 12-volt, negative ground electrical systems. (This is standard for most vehicles.) If your vehicle has a different type of electrical system, the DC power system cannot be used.

To prevent electrical shock and possible damage to your Video or vehicle, always unplug DC power cord from the cigarette lighter socket before you remove the plug from your Video.

A 3 amp, 125 or 250V fuse for protection is installed in the DC power cord.

While the engine is being started, disconnect the DC power cord from the car's cigarette lighter socket.

Do not operate your Video when the car battery is discharged. Peak current from the car generator may cause the DC fuse to blow.

If the vehicle's supply voltage drops below approximately 10 volts, your Video may not work properly.

Troubleshooting

If you are having trouble with your Video please check the following before contacting service.

11

No picture and no sound

- Check that the Video 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.
- Check that you have tuned into a video channel on your television.
- Check the Video INPUT settings (see page 9).

A video tape cannot be inserted

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

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 **TRK(▲/▼)** button 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 correctly.

The Remote Control does not work

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

Autoplay does not work

- If the safety tab has not been removed from the video cassette this function will not work.

TV programmes cannot be recorded

- Check the reception on your television set. If you cannot receive a picture through your aerial, the Video will be unable to record television broadcasts.
- Check the aerial lead is undamaged and securely connected to the correct outlet.
- 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 of reasonable quality.

The tape is ejected in the REC mode.

- The cassette has had the erase prevention tab removed. Stick a piece of adhesive tape over the erase prevention tab hole or select a different cassette.

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 jacks.
- Ensure that the television has been correctly tuned to your Video.

Technical specifications

Specifications are correct at time of printing.

LG is constantly innovating and products may change at any time without warning.

12

GENERAL

Power Source	AC 110-240V, 50/60Hz DC 12.8 V, 1.2A
Power Consumption	Approx. 10 Watts
Dimensions (WxHxD)	360 x 82 x 230 mm
Operating Temperature	5 °C~35 °C (41 °F~95 °F)
Operating Humidity	Less than 80%.
Weight	Approx. 2.8 kg.

VIDEO

Television system	CCIR Standard (625 lines, 50 fields) PAL/SECAM type color signal
Recording format	PAL/MESECAM/NTSC3.58/NTSC4.43
RF OUT	PAL/SECAM(G or K), PAL I
Input	1.0 Vp-p 75 ohms unbalanced
Output	1.0 Vp-p 75 ohms unbalanced
RF modulator	UHF channels 30-40 (adjustable)

AUDIO

Input	-6.0 dBm more than 47 kohms (LINE)
Output	-6.0 dBm less than 1.5 kohms (LINE)
Audio track	Mono track
Audio frequency response	100 Hz-10 kHz (-6/+3 dBm)

P/NO : MFL46896864