DVDR80

GUIDEplus+
GEMSTAR

Operating instructions

Let's make things better.

PHILIPS

PHILIPS

The remote control

REC/OTR ●	**Record**: Record the current TV channel
STANDBY ⏻	**Switch on or off**: To switch set on or off, interrupt menu function, interrupt a programmed recording (TIMER)
TIMER ⊕	**TIMER**: To make a TIMER programming with/without Video Plus+® or to alter or clear a programmed TIMER
REC MODE	**Record type (quality)**: To select the maximum possible record time
PLAY MODE	**Playback type**: Choose between repeat, shuffle play and intro-scan
TV/DVD	**TV/DVD switch**: Switches the scart socket **EXT 2 AUX-I/O** of the DVD recorder directly to the TV set. This lets you watch the picture from any unit connected to this scart socket (set-top box', video recorder or satellite receiver) and at the same time record from another source. If you have not connected a device to the **EXT 2 AUX-I/O** socket or the device is switched off, you can use this button to switch between TV reception and the signal of the DVD recorder. But this only works if you use a scart cable to connect the TV set to your DVD recorder (**EXT 1 TO TV-I/O** socket) and your TV set responds to this switch-over.
MONITOR	**Monitor**: This button lets you switch between disc playback or the picture of the internal tuner (TV channel).
DIM	**Dimmer**: This button lets you change the brightness of the display to one of two levels or switch it off.
RETURN	**Back**: Return to previous menu on a video CD (VCD). This also works with some DVDs.
T/C	**Title/Chapter**: Choose the '⊤'(Title)/'Ꞓ'(Chapter) directly from the menu bar using **P- ▼** , **P+ ▲** . If '*INFO*' appears in the display, the index menu from a recorded disc or an introductory film will be shown. In this case, this function is not available.
DISC MANAGER	**Disc Manager**: Call up or cancel the Disc Manager
FSS ✂	**EDIT**: For displaying the edit menu for DVD+R/RW discs, for setting chapter markers
SELECT	**Select**: Select function/value
i	**Info**: Call up additional information in the GUIDE Plus+® system.
ZOOM	**Zoom**: Enlarge the picture In the GUIDE Plus+® system: Red function button.
ANGLE	**Angle**: Select the camera angle. In the GUIDE Plus+® system: Green function button.
SUBTITLE	**Subtitle** : Select the subtitle language. In the GUIDE Plus+® system: Yellow function button.

|	
AUDIO	**Audio**: Selecting the audio language. For recording or during playback using the internal tuner (**MONITOR** key), select language 1 or 2. In the GUIDE Plus+® system: Blue function button.
DISC-MENU	**Disc menu**: To show the DVD menu or the index screen
GUIDE/TV	**The GUIDE Plus+® System**: Call up/Cancel the GUIDE Plus+® System
◄ ►	**Cursor keys** : Cursor left, right
P+ ▲	**Cursor buttons/Plus** : Cursor up/ Next programme number
P- ▼	**Cursor buttons/Minus** : Cursor down / Previous programme number
OK	**Store/confirm**: To store or confirm entry
SYSTEM-MENU	**System menu**: Call up/cancel the main menu (menu bar at the top of the screen)
STOP ■	**Stop**: Stop playback/recording, except with programmed recordings (TIMER) Hold down button, opens and closes the disc tray.
PLAY ►	**Playback**: To play a recorded disc.
I◄◄	**Select previous title/search backwards** : Briefly press the button during playback: Previous chapter/film or previous title Hold down the button: Search backwards Hold down button during still picture, slow motion backwards
SLOW ▷	**Slow motion**: Playback with 1/2, 1/4, 1/8 of the normal playback speed.
PAUSE II	**Pause (still picture)**: If this button is pressed during playback, the DVD recorder switches to pause. You will see a still picture. If this button is pressed during recording, the DVD recorder will also switch to pause.
►►I	**Select next title/search forwards** : Briefly press the button during playback: Next chapter/film or next title Hold down the button: Search forwards Hold down button during still picture, slow motion forwards
0..9	**Number buttons**: 0 - 9
CLEAR	**Delete**: Delete the last entry

Additional TV functions

This will only work with TV sets with the same remote control code *RC5) (e.g. Philips TV sets)

TV VOLUME **+**	**TV volume**: Increase TV volume
TV VOLUME **–**	**TV volume**: Reduce TV volume
MUTE ⚫	**TV sound off**: Switch TV sound on/off

For the following functions you need to hold down the button at the left side • **TV** and then select the function you need with the appropriate button.

STANDBY ⏻	**Switching the TV off**
0..9	**Number buttons**: 0 - 9
P+ ▲	**TV programme number**: To select a higher programme number
P- ▼	**TV programme number**: To select a lower programme number

Front of the device
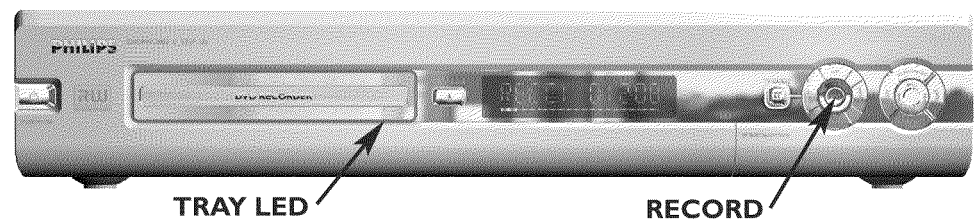
TRAY LED   RECORD

| STANDBY-ON ⏻	**Switch on or off**: To switch off or on, interrupt a function, interrupt a programmed recording (TIMER)
OPEN/CLOSE ▲	**Open/close disc tray**: Open/close disc tray
TRAY LED	**Recording in progress**: Red light around the disk tray to indicate recording in progress
GUIDE	**The GUIDE Plus+® System**: Call up/Cancel the GUIDE Plus+® System. When GUIDE Plus+® is active, this button lights up white.
UP , DOWN	**Select**: Higher/lower programme number Moves cursor up/down in the GUIDE Plus+® system
LEFT , RIGHT	**Select**: In the GUIDE Plus+® System: Cursor left/right
RECORD	**Record**: Record the current TV channel In the GUIDE Plus+® System: red function button.
►	**Playback**: To play a recorded disc In the GUIDE Plus+® System: OK button.
⏮	Select previous title/search backwards
⏭	Select next title/search forwards
■	**Stop**: Interrupt playback/recording

Behind the flap at the right-hand corner on the front
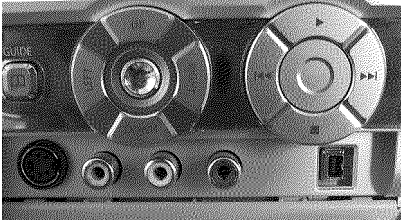
Switching between the **S-VIDEO** and **VIDEO** sockets takes place automatically. If a signal is available at both sockets at the same time, the signal at the **S-VIDEO** socket has priority.

S-VIDEO	**S-Video socket**: Connection of SVHS/Hi8 camcorders or SVHS/Hi8 video recorders (programme number '⌐AM 1')
Yellow socket VIDEO	**Video input socket**: Connection of camcorders or video recorders (programme number '⌐AM 1')
White/red socket left AUDIO right	**Audio input socket left/right** : Connection of camcorders or video recorders (programme number '⌐AM 1')
DV IN	**i-Link/DV socket (digital video input, IEEE 1394, FireWire)**: Connecting a digital camcorder or other suitable device (programme number '⌐AM2').

Back of the unit
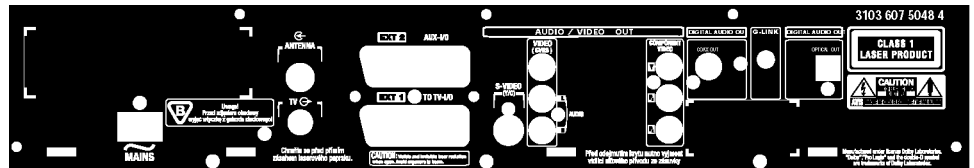
∼MAINS	**Mains socket**: Connection to the mains supply (230V/50Hz)
ANTENNA IN	**Aerial input**: Connection of the aerial
TV OUT	**Aerial output**: Connection of the TV set
EXT 2 AUX-I/O	**Scart socket 2**: Connection of an additional device (satellite receiver, set-top box, video recorder, camcorder, etc.). RGB input
EXT 1 TO TV-I/O	**Scart socket 1**: Connection of a TV set. RGB output

Output sockets (AUDIO/VIDEO OUT)

OUT S-VIDEO (Y/C)	**S-Video output**: Connection of an S-Video-compatible TV set
VIDEO (CVBS) OUT	**Video output (yellow socket)**: Connecting a TV set with a video input (CVBS, Composite Video)
OUT AUDIO L/R	**Analogue audio output (white/red socket)**: Connection of a TV set with audio input sockets or connection of an additional device
COMPONENT VIDEO OUT	**Component Video output (red/blue/green socket)**: Connection of an additional device with Component Video input

Output sockets (DIGITAL AUDIO OUT)

COAX OUT	**Coaxial digital audio output**
OPTICAL AUDIO OUT	**Optical digital audio output**

Output socket (G-LINK)

G-LINK	Connection of the supplied remote control (IR transmitter) for an external receiver (satellite receiver, set-top box, cable TV box).

The symbols on your DVD recorder display

These symbols can light up on your DVD recorder display:

88:88	Multi-function display/text line •) Clock •) Disc/title playing time •) OTR switch-off time •) Title name •) Display of the programme number of the TV channel/playing time/channel name/function. •) Display of information and alerts
IIIIIIIIIIIIII	Disc bar: Displays the current position on the disc (disc pointer). Play/Record: Single flashing segment at the current position. Pause: Flashing segment on both sides of the current position. Stop: Illuminated segment at the current position.
SAT	An automatic recording from a satellite receiver (SAT recording) has been programmed.
TIMER	A recording (timer) has been programmed
o(((	A remote control signal has been received
VPS/PDC	Video programming system / programme delivery control: A VPS or PDC code will be transmitted for the selected TV program
LANG II	During playback a 2-channel tone was detected or a 2-channel tone was received. 'I' or 'II' lights up depending on which sound channel has been selected (button **AUDIO**)

Messages in the DVD recorder display

```
READING
```

The following messages may appear in your DVD recorder display

IS TV ON?	The DVD recorder is in initial installation mode. Switch the TV on, then read the paragraph on 'Initial installation' in 'Installing your DVD recorder'.
NO SIGNAL	No input signal available (signal inadequate or unstable)
MENU	The menu on the screen is active
OPENING	Disc tray opening
TRAY OPEN	Disc tray open
CLOSING	Disc tray closing
READING	Disc being read
MENU UPDT	Once recording has been successfully completed the table of contents is created.
INIT MENU	The menu structure is created after the first recording has been made on a new disc
COPY PROT	You received a copy-protected signal. This may come from a copy-protected DVD/videotape of a DVD/video player or from a TV channel.
WAIT	Please wait until this message disappears. The DVD recorder is busy performing a task.
NO DISC	A disc has not been inserted for recording. If a disc has been inserted, it cannot be read.
INFO	Information about the inserted DVD is displayed on the screen
BUSY	The DVD recorder is processing the changes to make them DVD compatible
ERASING	The entire disc is erased
EMPTYDISC	The disc inserted is either new or has been completely erased (no recordings).
PROTECTED	The disc is protected against recording.
MAX TITLE	The maximum number of titles per disc has been reached. The maximum number of titles on a disc is 48.
MAX CHAP	The maximum number of chapters within a title/or the disc has been reached. The maximum number of chapters within a title is 99, on a disc 124.
DISC FULL	The disc is full. There is no space for new recordings

PAL DISC	A disc with PAL recordings has been inserted. The machine is trying to record an NTSC signal. Insert a new disc or one that contains NTSC recordings.
NTSC DISC	A disc with NTSC recordings has been inserted. The machine is trying to record a PAL signal. Insert a new disc or one that contains PAL recordings.
RECORDING	An illegal action (e.g. **OPEN/CLOSE ▲** button) was attempted during recording.
FREETITLE	Playback was started for an empty title or the following title is empty.
DISC LOCK	An attempt has been made to record during playback of a protected disc. This message appears if an attempt is made to insert a chapter marker (**FSS** ✂ button).
DISC ERR	An error occurred when writing the title. If this error keeps occurring, please clean the disc or use a new one. For instructions on how to clean a disc see the section on 'Cleaning the discs' in the next chapter.
DISC WARN	An error occurred when writing the title. Recording was continued; the error was skipped
SETUP	The automatic search is completed.
WAIT 01	During the automatic channel search the TV channels found will be counted.
BLOCKED	The disc tray cannot be closed/opened.
SAFE REC	The new recording will be added at the end of all the other recordings (SAFE RECORD).
EASYLINK	Data transfer 'EasyLink' from the TV is in progress
POST-FORMAT	After the creation of the menu structure the disc is prepared
PHILIPS	The DVD-Recorder has been switched on
STANDBY	The DVD-Recorder has been switched off
GUIDE	The GUIDE Plus+® system is switched on

Table of contents

1 Introduction

Dear Philips customer,

Instruction manuals are usually very dry since they are technically-oriented and often poorly translated. I have therefore been employed by Philips to help you.

Allow me to introduce myself.
My name is Phil. I will be guiding you through the instruction manual and helping you get to know your new DVD recorder. At appropriate points along the way, I will be providing you with the following information:

Question: (?)
Here I will be explaining seemingly unimportant things.

Tip
Here I will be giving you instructions on functions that will make it easier for you to use your DVD recorder.

Problem
Here I'll help you identify the cause of a problem and find a solution.

I hope you have lots of fun.

Phil

P.S. If you have any problems operating the machine, please read the section entitled 'Before you call an engineer'. If this doesn't help you to resolve the problem, please call the **customer support service** for your country.
The telephone numbers and e-mail addresses can be found on the last page of this instruction manual.
You can also visit the **website 'http://www.p4c.philips.com'** .

Welcome to the growing family of owners of PHILIPS equipment.

Thank you for buying a DVDR 80/051 .
Please take the time to read this operating manual before using your DVD recorder. It contains important information on how to set up and operate the machine.
The DVD recorder should **not be turned on immediately after transportation** from a cold to a hot area or vice versa, or in conditions of extreme humidity.
Wait at least **three hours** after transporting the machine. The DVD recorder needs this time to acclimatise to its new environment (temperature, relative humidity, etc.).

> **Your Philips team hopes your**
> **new DVD recorder will bring you**
> **many years of enjoyment.**

What is a DVD?

DVD (Digital Versatile Disc) is a new storage medium that combines the convenience of the compact disc with the latest digital video technology. DVD video uses modern MPEG2 data compression technology that enables an entire feature film to be stored on a single five inch disc.

How good is the resolution of DVD compared with VHS?

The razor-sharp digital images have a resolution of more than 500 lines of 720 pixels per line. This is more than twice as high as VHS and is even better than the laser disc. Its picture quality is easily comparable to the digital masters produced in recording studios.

What can DVD+RW do?

DVD+ReWritable uses phase change media, the same technology on which rewritable CDs are based. A high-performance laser is used to change the reflective properties of the recording layer; this process can be repeated more than a thousand times.

What can the DVD+R do?

DVD+R (write-once DVD). Unlike a DVD+RW disc, this disc can only be written to once. If it is not finalized after a recording, further recordings can be added to it. Old recordings can be deleted but can no longer be overwritten. The deleted titles are marked '***Deleted title***'.
Before this disc can be played in a DVD player, it must be finalised in the DVD recorder. Once this process is complete, no further recordings can be added.

What can my DVD recorder do?

Your Philips DVD recorder is a machine for recording and playing back digital video discs with "two-way" compatibility with the universal DVD video standard. This means:
•) existing DVD video discs can be played on the recorder.
•) Recordings made on your DVD recorder can be played on other DVD video players and DVD ROM drives.

?

Discs you can use

The following discs can be used in your DVD recorder for playback and recording:

Playback and recording

DVD+RW (Digital Versatile Disc + rewritable)

DVD+R (Digital Versatile Disc + Recordable)

Playback only:

DVD Video (Digital Versatile Disc)

DVD-R (DVD-Recordable). These discs can only be played back if the recording was made in video mode and the recording was finalised.

DVD-RW (DVD-Rewritable) These discs can only be played back if the recording was made in video mode and the recording was finalised.

Audio CD (Compact Disc Digital Audio)

Super Audio CD (Only plays the CD layer of a hybrid SACD disc)

Video CD (Format 1.0, 1.1, 2.0)

Super Video CD

CD-R (CD-Recordable) Audio/MP3 content

CD-RW (CD-Rewritable) Audio/MP3 content

Introduction

Regional code

Since DVD films are not normally released in all parts of the world at the same time, all DVD players have a specific regional code. Discs can be given a regional code. If the regional codes differ between the player and the disc, playback is not possible.

DVDs must be marked 'ALL' for all regions or '2' for region 2 to work in this machine. If the DVD is marked with a different region, it cannot be played in this DVD recorder.
The number within the globe represents the region.
Regional code 2 represents:
Europe, Japan, South Africa, Middle East (incl. Egypt).

Technical data

Voltage : 220-240V/50Hz
Power consumption : 30W
Measurements in cm (W/H/D): 43.5/7.6/33.5 (Disc tray closed), 47.2 (disc tray open)
Weight without packaging approx.: 4.0kg
Power outage/no power: Channel and timer information remain saved for up to 1 year, the
time is saved for up to 12 hours.

Operating position: maximum 10 degree inclination in all directions
Ambient temperature: 15 °C - 35 °C
Humidity: 25% - 75%

Accessories

Operating instructions
Guarantee booklet
Quick install guide
Remote control and batteries
Aerial cable
Mains cable
Scart cable (AV-Euro cable)
G-LINK transmitter

Important

CLASS 1 LASER PRODUCT

Caution:
Visible and invisible laser radiation. If the cover is open, do not look at the beam.

Because of the risk of eye injuries, only qualified service engineers should open the machine and carry out maintenance or repair work.

LASER
Type: Semiconductor lasers InGaAlP (DVD), AlGaAs(CD)
Wavelength: 660nm (DVD), 780nm (CD)
Output power (outside the lens): 20mW (DVD+RW write), 0.8mW (DVD read), 0.3mW (CD read).
Beam divergence: 82 degrees (DVD), 54 degrees (CD)

Danger. High voltage! Do not open.
You run the risk of getting an electric shock.

The machine does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

There are some components in the DVD recorder that keep running as long as the recorder is connected to the power supply. To switch off the DVD recorder completely you must unplug it from the power supply.

If you disconnect the DVD recorder from the mains, make sure to take the plug out of the wall socket and not just remove the connector from the $\sim$**MAINS** socket at the back of the unit. Children could seriously injure themselves at the free, live end of the cable.
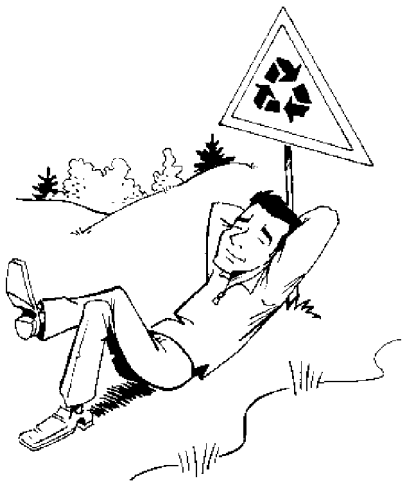
These operating instructions have been printed on non-polluting paper.

Please dispose of old batteries safely.

Please take the packaging to your local recycling centre.

This electronic equipment contains a large number of materials that can be recycled. If you are disposing of an old machine, please take it to a recycling centre.

Introduction

7

When installing the recorder in a cupboard ensure there is a gap of approximately 2.5 cm (1 inch) around the recorder to enable air to circulate freely and prevent overheating.

Make sure that air can circulate freely through the ventilation slots on the machine. The machine should be placed on a firm surface.

Make sure that no objects or liquids enter the video recorder. Do not place vases or similar on the DVD recorder. If you spill liquid in the recorder, immediately disconnect it from the power supply and call after-sales service for advice.

Keep the DVD recorder away from radiators and other heat sources and protect from direct sunlight.

Do not place any combustible objects on the device (candles, etc.).

Make sure that children do not place any foreign objects in any of the openings.

Cleaning the discs

Some malfunctions (frozen or distorted picture and broken sound for example) are due to dirt on the disc. To avoid such problems you should clean your discs regularly.

1 Dirty discs should be cleaned with a soft cloth. Always wipe from the middle to the edge.

2 Do not use any solvents such as benzine, thinners, commercially available cleaning agents or antistatic sprays designed for vinyl records.

> **Can I use a CD lens cleaner in the DVD recorder?**
> This optical unit (laser) of the DVD recorder operates at a higher power level than the ones in normal DVDs and CD players so CD lens cleaner discs may actually damage it.
> **CD lens cleaner discs should therefore not be used.**

Special functions of your DVD recorder

Your PhilipsDVD recorder has a number of special functions to make it easier to use and to enhance your enjoyment.

Philips provides the best possible connection between your DVD recorder and other home cinema equipment.

The DVD recorder is controlled by external devices (receivers, TV sets and so on) via Cinema Link and is automatically set to the right system settings.

This function automatically transfers all the television channel settings onto your DVD recorder via the scart cable (**EXT 1 TO TV-I/O** socket).

Recordings made on your DVD recorder can be controlled from an external satellite receiver.

Direct Record

At the touch of a button your DVD recorder, even though it is switched off, will check which channel is currently playing on your television and record it.

This connector is also known as a 'FireWire' or 'IEEE 1394'. This connector is used to transmit wide digital broadband signals that are used for digital video camcorders. Audio and video signals are transmitted using a cable. In addition to DV and Hi8 camcorders, PCs with digital video output can also be connected to the digital input.

This screen tells you what's on the disc. Each index screen represents a recording. On the right hand side of the screen you can also see a disc indicator that shows the position and length of the current recording on the disc in a graphic format.

This function enables you to simply delete commercials or other scenes. The relevant scenes are marked and skipped as required. This information is stored on the DVD in such a way that other DVD players will skip the scenes.

MP3 files are highly compressed music files. The data is compressed to 1/10 of the volume of the original audio material using a special process. This means that 10 hours of music can be stored on a single CD.
These music CDs can be played on this machine.

Safe Record

Normally a recording is made at the current disc position. This is the same as for a video cassette, in the middle of the tape for example. By holding down the **REC/OTR ●** button, the recording will be made at the end of all the other recordings to avoid overwriting previous recordings.
New recordings on DVD+R discs are always added after all existing recordings.

Using your DVD recorder you can record from an RGB source such as a satellite receiver using a SCART input (**EXT 2 AUX-I/O** socket). Video signals for the colours R(Red), G(Green) and B(Blue) are transmitted via separate channels. This reduces the interference that occurs with standard video cables.

The Philips DVD recorder can play back pre-recorded DVDs and CDs. DVDs recorded using this DVD recorder can be played back on current and future DVD players.

Dolby Digital is a standard developed by Dolby Laboratories for transmitting from 1 to 5 full-range channels as well as a low frequency (.1) channel for a total of 5.1 discrete channels. The loudspeakers are arranged front left, front middle, front right, rear left and rear right. This system is currently the most common system and is used in cinemas.
With this DVD recorder each soundtrack in 2-channel Dolby Digital is recorded onto a DVD+RW.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Transmission standard for 5.1 channels from Digital Theatre Systems Inc. This is the second most wide-spread system after Dolby Digital.
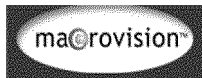
This product contains copy protection technology, which is protected by US Patent Nos. 4631603, 4577216, 4819098 and 4907.093 and other intellectual property rights. Use of this copy protection technology from Macrovision Corporation requires the approval of Macrovision. It is intended exclusively for home use and other limited pay-per-view applications, unless Macrovision approves some other use in writing. Modifications to the equipment, removal of components and reverse engineering are prohibited.

Introduction   **9**

The **GUIDE Plus+® System** gives you an on-screen listing of what's on TV. It also lets you program your DVD recorder by selecting the show you want to record from the list on your screen.

You simply enter your local post code during set up and you can see the next 7 days or what's on right now or even what's on in a favourite category such as sports or movies.
Click with your remote on the show you'd like to see or schedule. No more hassles programming your DVD recorder! The guide information is sent together with your TV signal so there's nothing to load or buy. The service is free!

Simple programming system for DVD recorders. Simply enter the programming number associated with your television programme. You will find this number in your favourite listings magazine.

GUIDE Plus+, VIDEO Plus+ and PlusCode are trademarks of Gemstar TVGuide International, Inc. and/or its related affiliates. G-LINK is a trademark of Gemstar-TV Guide International, Inc. and/or its related affiliates. The GUIDE Plus+ system and the VIDEO Plus+ systemwere manufactured under licence from Gemstar-TV Guide International, Inc. and/or its related affiliates.

GEMSTAR-TV GUIDE IS NOT IN ANY WAY LIABLE FOR THE ACCURACY OF THE PROGRAM SCHEDULE INFORMATION PROVIDED BY THE GUIDE PLUS+ SYSTEM. IN NO EVENT SHALL GEMSTAR-TV GUIDE BE LIABLE FOR ANY AMOUNTS REPRESENTING LOSS OF PROFITS, LOSS OF BUSINESS, OR INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE PROVISION OR USE OF ANY INFORMATION, EQUIPMENT, OR SERVICES RELATING TO THE GUIDE PLUS+ SYSTEM.

The GUIDE Plus+ product, service and/or technology is the subject of various European and national patents and patent applications owned by, or licensed to, Gemstar - TV Guide International, Inc. and/or its related affiliates.

Enter the serial number here. You will need it for service queries or if your machine is stolen. The serial number (PROD. NO.) is printed on the type plate at the back.

MODEL NO.	DVDR 80/051		PHILIPS
PROD. NO.	....		

This product complies with the requirements of the following directives and guidelines:
73/23/EEC + 89/336/EEC + 93/68 EEC.

2 Connecting the DVD recorder

Important information for customers in Great Britain

This set is fitted with an approved moulded 13 amp plug. To change the fuse in this plug or to attach a different plug, please proceed as follows:

1   Take off the fuse cover and remove the old fuse

2   Insert a new fuse. Suitable fuses are those of the type BS 1362 3A, A.S.T.A. standard or BSI standard

3   Close the fuse cover

If the attached plug does not meet your requirements, you can cut it off and replace it with a suitable plug. Please observe the following conditions:

If your new plug uses a built-in fuse, this should be a 3A fuse.

If your new plug does not contain a built-in fuse, please do not use any fuses in your fusebox with a rating of more than 5A.

Please destroy the old, cut-off plug so that it cannot be used elsewhere.

Connect the blue cable (neutral "N") to the terminal in the plug which is marked with the letter "N" or coloured black

Connect the brown cable (live, "L") to the terminal in the plug which is marked with the letter "L" or coloured red

Do not in any circumstances connect either of the two cables to the terminal in the plug which is marked with the letter "E", the symbol ⏚ or coloured green or green / yellow

Before you refit the plug cover, make sure, that the grip at the bottom of the plug is clamped over the plastic cover of the lead, not just over the two wires.

Preparing the remote control for operation
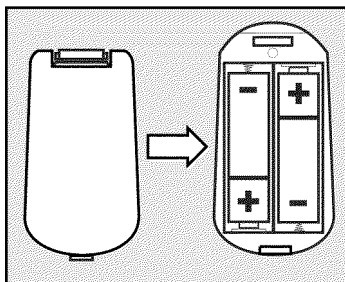
The remote control and its batteries are packed separately in the original DVD recorder packaging. You must install the batteries in the remote control before use - described in the following section.

1   Take the remote control and the enclosed batteries (2 batteries).

❷ Open the battery compartment, insert the batteries as shown and then close the battery compartment.

The remote control is now ready to use.
Its range is approximately 5 to 10 meters.

'Aim' correctly
In the following sections, you will need the remote control for the first time. Aim the remote control at the DVD recorder and not at the TV set.

Tip

Connecting your DVD recorder to the TV set

The necessary cable connections must be made before you can record or playback TV programmes using your DVD recorder.

Connect the DVD recorder **directly** to your TV set. If there is a video recorder in between the picture quality may be poor.
We recommend that you use a scart cable to connect your TV set and DVD recorder.
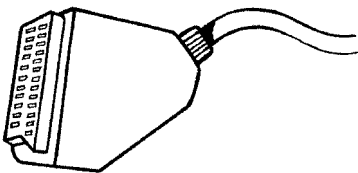
What is a scart cable?
The scart or Euro AV cable serves as the universal connector for picture, sound and control signals. With this type of connection, there is practically no loss of quality in picture or sound transmission.

?

When you install your DVD recorder for the first time, select one of the following options:

'Connecting with a scart cable and Easy Link'
If your TV set is equipped with 'Easy Link, Cinema Link, NexTView Link, Q-Link, Smart Link, Megalogic, Datalogic, ...' and you wish to use a scart cable.

'Connecting with a scart cable without Easy Link'
If your TV set is not equipped with 'Easy Link, Cinema Link, NexTView Link, Q-Link, Smart Link, Megalogic, Datalogic, ...' and you wish to use a scart cable.

'Connecting with an S-Video(Y/C)cable'
If your TV set is equipped with an S-Video(SVHS) socket.

'Connecting with video(CVBS) cable'
If your TV set is equipped only with an video(CVBS) socket.

Connecting with a scart cable and 'Easy Link'
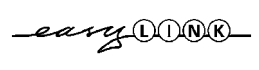
Your DVD recorder can exchange information with your TV set using 'Easy Link'. Your TV channels can also be transferred in the same order from your TV set to your DVD recorder using 'Easy Link'.
Please see your TV's operating instructions.

1 2 3
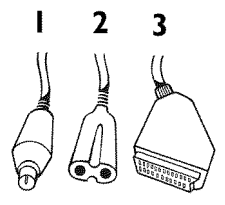
Have the following cables ready:
an aerial cable (1, supplied), a mains cable (2, supplied), a special scart cable (3, suitable for Easylink).
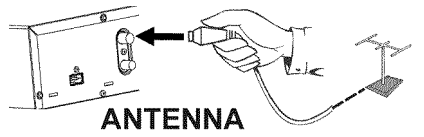
1 Switch off your TV set.

2 Remove the aerial cable plug from your TV set. Insert it into the **ANTENNA IN** socket at the back of the DVD recorder.

ANTENNA

3 Insert one end of the supplied aerial cable into the **TV OUT** socket at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.

TV
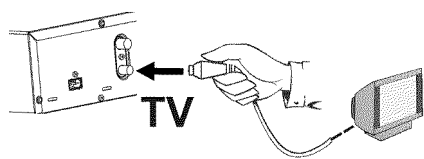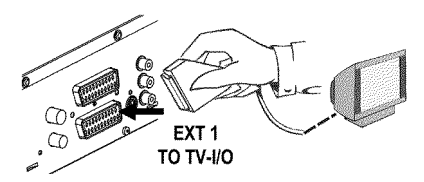
4 Plug in a full-pin scart cable (all 21 contacts wired) into the scart socket **EXT 1 TO TV-I/O** at the back of the DVD recorder and the corresponding scart socket - suitable for Easylink - at the back of the TV set (see TV set operating instructions).

EXT 1
TO TV-I/O

5 Read the next chapter 'Connecting additional devices' on how to connect additional devices (satellite receivers, videorecorders,...) to the input-/output sockets.

6 Switch on the TV set.
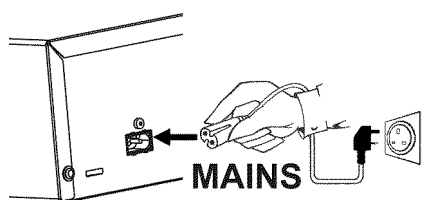
7 Use the supplied mains cable to connect the mains socket ∼**MAINS** at the back of the DVD recorder with the wall outlet.
The most important features of the DVD recorder will appear in scrolling text on the display. After the first installation is completed this function will be switched off. How you switch on this function again, read in the chapter 'User preferences' in the section 'standby'.

MAINS

Connecting the DVD recorder

```
EasyLink
loading data from TV;
please wait
```

8 Switch on the DVD recorder using **STANDBY-ON** ⏻ .
A message appears on the screen announcing that the transfer has started. '𝐸𝐴𝑆𝑌𝐿𝐼𝑁𝐾' appears on the display during transfer.
The TV set transfers all saved TV channels, in the same order, to the DVD recorder
This may take several minutes.

9 After the data transfer has been completed,, the following appears on the screen: '***EasyLink loading complete***'.

✕ '***Time***', '***Year***', '***Month***', '***Date***' **appears on the TV screen**
1 Check if the time in '***Time***' is correct.
2 If required, change the time with the number buttons **0..9** on your remote control.
3 Select the next line with **P+▲** or **P-▼** .
4 Check if the displayed settings for '***Year***', '***Month***' and '***Date***' are correct.
5 When all information is correct, save by pressing **OK** .

Problem

```
DVD                        Virgin mode

Audio Language
  English                         ▲▼
  Español
  Français
  Português
  Italiano
Press OK to continue
```

✕ **I can see more installation menus on my TV set**
Not all the necessary data has been transferred. Please enter the settings by hand as follows. For more information on the various functions see 'Initial installation' in 'Installing your DVD recorder'.

1 Select the desired audio language using **P-▼** or **P+▲** and confirm with **OK** .
2 Select the desired subtitle language with **P-▼** or **P+▲** and confirm with **OK** .
3 Select the desired screen format position using **P-▼** or **P+▲** .

 '***4:3 letterbox***' For a 4:3 TV set; cinema format (black bars above and below the picture)

 '***4:3 panscan***' For a 4:3 TV set; full height format with the sides cut off

 '***16:9***' For a 16:9 TV set
4 Confirm with **OK** .
5 Select the country of your residence with **P-▼** or **P+▲** .
If your country does not appear, select '***Other***'.
6 Confirm with **OK** .

Problem

This completes the basic setup.

Further settings relate to the GUIDE Plus+® system. This offers a free interactive guide to the TV programmes available in your area.
To install this system, please read the instructions in the section entitled 'The GUIDE Plus+® System'.

Connecting with a scart cable without 'Easy Link'

8 If the connection was properly made and your TV was **automatically switched** to the programme number for the scart socket, e.g. 'EXT', '0', 'AV', you will see the following picture:

```
DVD                    Virgin mode

Menu Language
  English              ⬍
  Español
  Français
  Italiano
  Deutsch
Press OK to continue
```
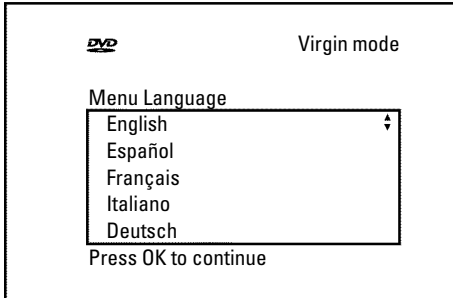
✗ My screen is empty.
✓ Many TV sets are switched by the DVD recorder to the programme number for the scart socket by way of a control signal sent through the scart cable.
✓ If the TV set does not automatically switch to the scart socket programme number, manually change to the corresponding programme number on your TV set (see your TV's operating instructions).
✓ Check that the scart cable is connected from the TV set to the **EXT 1 TO TV-I/O** socket on the DVD recorder. The **EXT 2 AUX-I/O** socket is intended only for additional devices.

Problem

Then, read the paragraph on 'Initial installation' in 'Installing your DVD recorder'.

Connecting with an S-Video(Y/C)cable

This connecting cable, also known as the SVHS cable, is used to transmit the brightness signal (Y signal) and colour signal (C signal) separately. This mini DIN socket/plug is also called a Hosiden socket/plug.

1   2   3   4
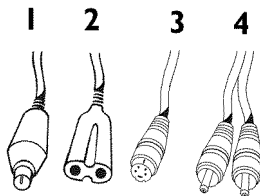
Have the following cables ready:
an aerial cable (1, supplied), a mains cable (2, supplied), an S-Video(SVHS) cable (3), an audio cable (4, supplied, red/white plug).
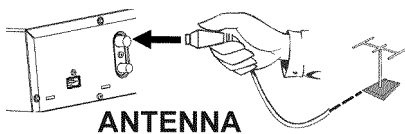
1 Remove the aerial cable plug from your TV set. Insert it into the **ANTENNA IN** socket at the back of the DVD recorder.

ANTENNA

2 Insert one end of the supplied aerial cable into the **TV OUT** socket at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.

TV
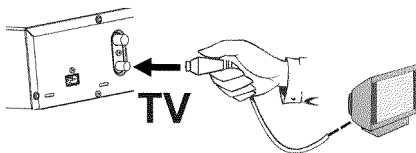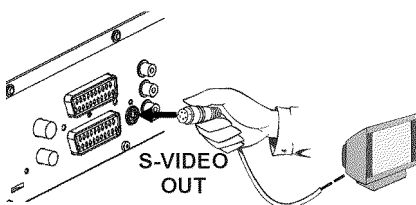
3 Insert one end of an S-Video(SVHS) cable into the **OUT S-VIDEO (Y/C)** socket at the back of the DVD recorder and the other end into the S-Video (SVHS) input socket on the TV set (usually labelled 'S-Video in' or 'SVHS in'. See TV operating instructions).
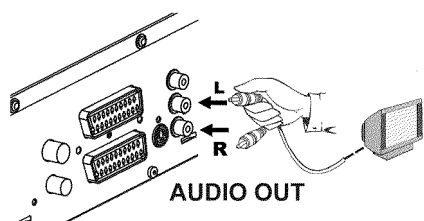
S-VIDEO OUT

4 Insert one end of the supplied audio (Cinch) cable into the red/white Cinch socket **OUT AUDIO L/R** at the back of the DVD recorder and the other end into the audio input socket (usually red/white) on the TV set (usually labelled 'Audio in' or 'AV in'. See TV operating instructions).

AUDIO OUT
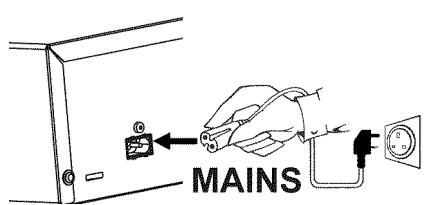
5 Switch on the TV set. Switch the TV set over to the SVHS input socket or select the relevant programme number. Please see your TV's operating instructions for the programme number you need.

6 Insert one end of the supplied mains cable into the mains socket ∿**MAINS** at the back of the DVD recorder and the other end into the wall socket.
The most important features of the DVD recorder will appear in scrolling text on the display. After the first installation is completed this function will be switched off. How you switch on this function again, read in the chapter 'User preferences' in the section 'standby'.

MAINS

7 Switch on the DVD recorder using **STANDBY-ON** ⏻ . *IS TV ONP'* will appear on the display.

Then, read the paragraph on 'Initial installation' in 'Installing your DVD recorder'.

Connecting with video(CVBS) cable

This cable, usually with yellow Cinch connectors, is used for transmitting the Composite Video signal (FBAS, CVBS). In this method of transmission the colour signal and the brightness signal are transmitted on the same cable. In certain circumstances, this can lead to problems with the picture, such as 'Moiré' patterns.

1   2   3   4
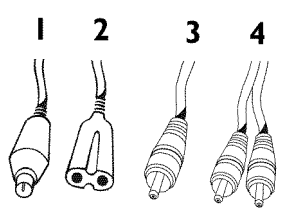
Have the following cables ready:
an aerial cable (1, supplied), a mains cable (2, supplied), a video (CVBS)cable (3, supplied, yellow plug), an audio cable (4, supplied, red/white plug).
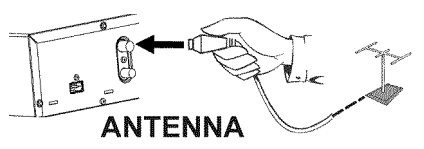
1 Remove the aerial cable plug from your TV set. Insert it into the **ANTENNA IN** socket at the back of the DVD recorder.

ANTENNA

2 Insert one end of the supplied aerial cable into the **TV OUT** socket at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.

TV

VIDEO (CVBS)
OUT

R

L
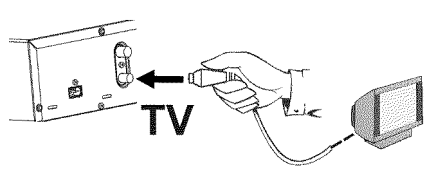
AUDIO OUT
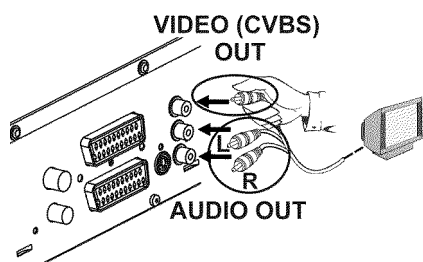
3 Insert one end of the supplied video (CVBS) cable into the yellow Cinch socket **VIDEO (CVBS) OUT** at the back of the DVD recorder and the other end into the video input socket (usually yellow) on the TV set (usually labelled 'Video in' or 'AV in'. See TV operating instructions).

4 Insert one end of the supplied audio (Cinch) cable into the red/white Cinch socket **OUT AUDIO L/R** at the back of the DVD recorder and the other end into the audio input socket (usually red/white) on the TV set (usually labelled 'Audio in' or 'AV in'. See TV operating instructions).

5 Read the next chapter 'Connecting additional devices' on how to connect additional devices (satellite receivers, videorecorders,...) to the input-/output sockets.

6 Switch on the TV set. Switch the TV set over to the Video/Audio input socket or select the relevant programme number. Please see your TV's operating instructions for the programme number you need.
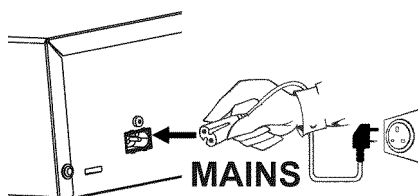
7 Insert one end of the supplied mains cable into the mains socket ∿**MAINS** at the back of the DVD recorder and the other end into the wall socket.
The most important features of the DVD recorder will appear in scrolling text on the display. After the first installation is completed this function will be switched off. How you switch on this function again, read in the chapter 'User preferences' in the section 'standby'.

MAINS

8 Switch on the DVD recorder using **STANDBY-ON** ⏻. '*IS TV ON?*' will appear on the display.

Then, read the paragraph on 'Initial installation' in 'Installing your DVD recorder'.

3 Connecting additional devices
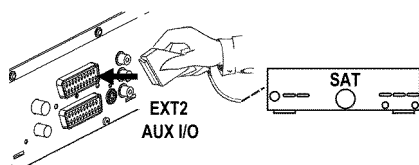
Connecting additional devices to the second scart socket

You can connect additional devices such as decoders, satellite receivers, camcorders, etc. to the **EXT 2 AUX-I/O** socket. When playback is started on this additional device the DVD recorder automatically connects the **EXT 2 AUX-I/O** scart socket with the **EXT 1 TO TV-I/O** scart socket. You will then see the picture from the additional device on your TV set, even if the DVD recorder is switched off.

The **TV/DVD** button on the remote control allows you to switch between playback through the **EXT 2 AUX-I/O** scart socket and playback from the DVD recorder.

The DVD recorder must be connected **directly** to the TV set (**EXT 1 TO TV-I/O** socket directly to the TV set). If there is a video recorder in between the picture quality may be poor because of the copy protection system built into the DVD recorder.

Connecting a video recorder, DVD player.

You can connect a video recorder or a DVD player to the **EXT 2 AUX-I/O** input socket. If you already have an external receiver (satellite receiver, set-top box, cable TV box) connected to this socket, you can connect the video recorder to the 'VCR', 'TO VCR', ...socket of the external receiver.

You can also use the front sockets **S-VIDEO** , **VIDEO** and the **left AUDIO right** audio sockets.

Please note:
Most prerecorded video cassettes and DVDs are copy-protected. If you try to copy them you will see the message '*COPY PROT*' on the DVD recorder's display.

✗**When copying video cassettes the display on the DVD recorder shows '*NO SIGNAL*'**
✓ Check that the cable is plugged in firmly.
✓ If a recording is made from a video recorder, change the tracking on the video recorder.
✓ The DVD recorder may not be able to recognise the video input signal if this signal is poor or does not comply with relevant standards.

✗**When I copy DVD video discs or prerecorded video cassettes the picture is fuzzy and the brightness varies**
✓ This happens if you try to copy DVDs or video cassettes that have been copy-protected. Even though the picture on the TV is fine the recording on a DVD+R/RW is faulty. This interference is unavoidable with copy-protected DVDs or video cassettes.

Problem

Connecting an external receiver (satellite receiver, set-top box, cable TV box,...)

You can connect external receivers to the **EXT 2 AUX-I/O** socket.
For additional receivers, you can also use the **EXT 1 TO TV-I/O** socket (if the TV set is connected to the **COMPONENT VIDEO OUT** sockets), and **VIDEO** , **S-VIDEO** sockets at the front. Please observe that you also have to connect an audio cable to the **IN AUDIO L/R** or **left AUDIO right** socket.

1 Connect the **scart socket** of the receiver (satellite receiver) provided for the TV set (usually labelled 'TV', 'TO TV'), with the **EXT 2 AUX-I/O** socket of the DVD recorder.

Why can't I use the 'VCR', 'TO VCR',... socket?

In order to achieve the best possible picture quality, you must use the RGB (red-green-blue) signal of the receiver. As a rule, this signal is available at the 'TV', 'TO TV',... socket. The DVD recorder transfers the signal to the **EXT 1 TO TV-I/O** socket.

Some receivers only provide a 'Video (CVBS/FBAS)' signal at the 'VCR', 'TO VCR'...socket. Read the instruction manual of the receiver on the signals available at the sockets.

If you are satisfied with the picture quality of the 'VCR', 'TO VCR',... socket, you can also use this socket.

?

---

2 If your external receiver offers several options for the signal available at the 'TV', 'TO TV',... socket, choose the 'RGB' setting.

Connecting additional devices only via aerial cable

If you want to connect additional devices (e.g. satellite receiver...) only via aerial cable, please observe the following:

The DVD-Recorder must be connected directly to the TV set. If there is a video recorder or an additional device in between, the picture quality may be poor because of the copy protection system built into the DVD-Recorder.

The additional device (satellite receiver) must be connected **before** the DVD recorder (additional device - DVD recorder - TV set). Only the TV set must be connected to the **TV OUT** socket.

•) If there is interference in the picture when the additional device is switched on, a TV broadcaster may be transmitting on the same channel or a channel very close to that of the additional device. (e.g.: TV broadcaster on channel 45, additional device (satellite receiver) also on channel 45). In this case, change the channel of the additional device (satellite receiver). Consult the instruction manual of the additional device.
You must also store this channel on the DVD recorder to be able to record TV programmes from the additional device (satellite receiver).

•) Switch on the additional device during the installation of the DVD recorder. During the automatic channel search, the channel on which the additional device is transmitting will be stored as a TV channel.
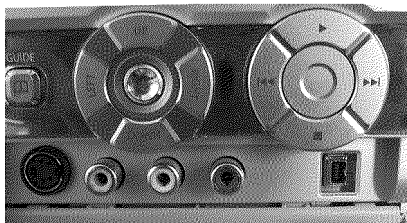
Connect camcorder to the front sockets

To copy camcorder recordings, you can use the front sockets. These sockets are located behind the flap on the right hand side.

Best picture quality

If you have a DV or Digital 8 camcorder, connect the **DV IN** input of the DVD recorder to the appropriate DV output on the camcorder.
When films are transferred the original recording date and time are stored as DVD subtitles.
On playback, this data can be displayed on the TV screen by using the '⌷' function (Subtitle).

Choose '*CAM2*' as a programme number for this input.

Very good picture quality

If you have a Hi8 or S-VHS(C) camcorder, connect the **S-VIDEO** input of the DVD recorder to the appropriate S-VHS output on the camcorder.
You must also connect the audio input **left AUDIO right** on the DVD recorder to the audio output on the camcorder.

Choose '*CAM 1*' as a programme number for this input.

Good picture quality

If you have a camcorder that only has a single video output (Composite Video, CVBS), connect the **VIDEO** input on the DVD recorder to the appropriate output on the camcorder.
You must also connect the audio input **left AUDIO right** on the DVD recorder to the audio output on the camcorder.

Choose '*CAM 1*' as a programme number for this input.

Connecting audio devices to the analogue audio sockets
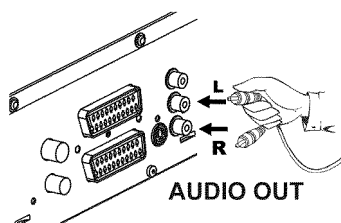
Two audio output sockets **OUT AUDIO L/R** are located on the back of the DVD recorder (audio signal output left/right)

These can be used to connect the following:
•) a receiver with Dolby Surround Pro Logic
•) a receiver with two-channel analogue stereo

Can I use the 'Phono' input on my amplifier?

This socket (input) on the amplifier is designed only for record players without preamplifiers. Do **not** use this input for connecting the DVD recorder.
The DVD recorder or the amplifier may be damaged as a result.

Connecting additional devices

21

Connecting audio devices to the digital audio sockets
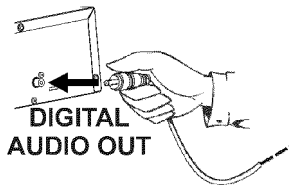
At the back of the DVD recorder there are two digital audio output sockets **OPTICAL AUDIO OUT** for an optical cable and **COAX OUT** for a coaxial cable (Cinch cable).

These can be used to connect the following:
•) an A/V receiver or an A/V amplifier with a digital multi-channel sound decoder
•) a receiver with two-channel digital stereo (PCM)

<u>**Digital multi-channel sound**</u>

Digital multi-channel sound offers the best possible sound quality. You will need a multi-channel A/V receiver or amplifier that supports at least one of the audio formats of the DVD recorder (MPEG2, Dolby Digital and DTS).
Consult the operating instructions for your receiver to find out which audio formats it supports.

?

<u>**✗All I can hear from my loudspeakers is a loud distorted noise**</u>

✓ The receiver is not compatible with the digital audio format of the DVD recorder. The audio format of the DVD disc is displayed in the status window when you switch to another language. Playback in six-channel digital surround sound is only possible if the receiver has a digital multi-channel sound decoder.

Problem

4

Installing your DVD recorder

Initial installation

After successfully connecting your DVD recorder to the TV set and other additional devices as described in the previous chapters, this chapter will show you how to start the initial installation. The DVD recorder automatically seeks out and stores all available TV channels.
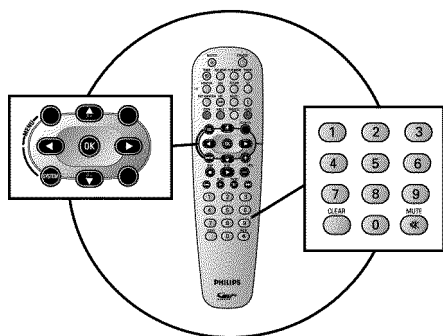
Connecting additional devices

If you have connected additional devices such as a satellite receiver to the aerial cable, switch them on. The automatic channel search will recognise it and save it. Please observe that you must switch on a "test signal" for some additional devices.

No aerial connected

Even if you only want to use the DVD recorder to play back or have only connected a satellite receiver, you must still complete the initial installation. This is necessary so that the basic settings are stored correctly. Once initial installation is complete you can use the DVD recorder as normal.

Tip

DVD	Virgin mode

Menu Language

English	↕
Español	
Français	
Italiano	
Deutsch	

Press OK to continue

① Select the desired language for the on-screen menu by pressing **P-▼** or **P+▲** .

What is an on-screen menu?

The multi-language on-screen menu takes the mystery out of using your new DVD recorder. All settings and/or functions are displayed on your TV screen in the relevant language.

?

② Confirm with **OK** .

DVD	Virgin mode

Audio Language

English	↕
Español	
Français	
Português	
Italiano	

Press OK to continue

③ Select the desired audio language using **P-▼** or **P+▲** .

What is an audio language?

The DVD will play the sound in the language you select, provided this language is available on the disc. If it is not available on the disc the first language on the DVD will be used instead. The DVD Video Disc menu, if available, will also be displayed in the language you select.

?

④ Confirm with **OK** .

DVD	Virgin mode

Subtitle Language

English	↕
Español	
Français	
Português	
Italiano	

Press OK to continue

⑤ Select the desired language for the subtitles by pressing **P-▼** or **P+▲** .

What is the subtitle language?

The subtitles will be displayed in the language you select, provided this language is available on the disc. If it is not available on the disc the fist language on the DVD will be used instead.

?

⑥ Confirm with **OK** .

```
DVD                    Virgin mode

TV Shape
   4:3 letterbox                      ↕
   4:3 panscan
   16:9

Press OK to continue
```
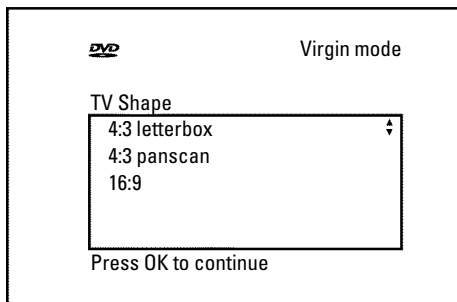
7 Select the desired screen format position using **P-▼** or **P+▲** . These settings will only be used if you insert a DVD that contains this information.

Which screen formats can I select?

'*4:3 letterbox*' for a 'wide-screen' (cinema format) picture with black bars at the top and bottom.

'*4:3 panscan*' for a full-height picture with the sides trimmed.

'*16:9*' for a wide-screen TV set (screen edge ratio 16:9)   **?**

---

8 Confirm with **OK** .

```
DVD                    Virgin mode

Country
   Austria                            ↕
   Belgium
   Denmark
   Finland
   France

Press OK to continue
```
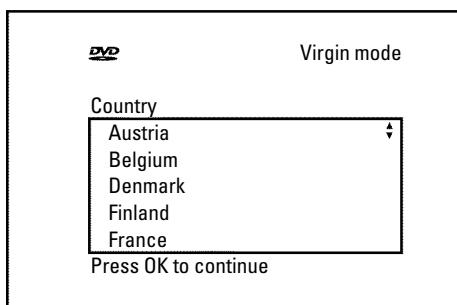
9 Select the country of your residence with **P-▼** or **P+▲** . If your country does not appear, select '*Other*'.

Why do I have to select a country?

To call up the specific settings for the respective country, you must first install the country.   **?**

---

10 Confirm with **OK** .

11 After you connect the aerial (or cable TV, satellite receiver, etc.) to the DVD recorder, press **OK** .
'Autoinstall' starts. '𝘞𝘈𝘐𝘛' will appear on the display. The following appears on the screen:

✗ The DVD recorder cannot find any TV stations

✓ Select channel 1 on the TV set. Can you see the stored TV channel on the TV set?
If not, check the cable connection from the aerial (aerial socket) to the DVD recorder and to the TV set.

✓ Please have patience.
The DVD recorder searches the entire frequency range in order to find and save the largest possible number of TV channels.

✓ If you have not connected an aerial, go through all the basic settings right to the end and then, if you wish, start the automatic search (see next chapter 'Automatic TV programme search (Autoinstall)').   **Problem**

---

12 Wait until all available TV channels have been found. This can take several minutes.

13 When AUTOINSTALL is complete, '*Autoinstall complete*' will briefly appear on the TV screen.

14 To end, press **SYSTEM-MENU** .

Check the date and time. Please read 'Setting the time and date' in this chapter.

✗ **Sound may be distorted on some TV channels.**

✓ If the sound is distorted on any of the stored TV channels or if there is no sound at all, the wrong TV system may have been stored for the TV channel. Read 'Manual TV channel search' for information on how to change the TV system.

Problem

Further settings relate to the GUIDE Plus+® System. This offers a free interactive guide to the TV programmes available in your area.

To install this system, please read the instructions in the section entitled 'The GUIDE Plus+® System'.

Using a satellite receiver

TV channels from a satellite receiver (connected to scart socket **EXT 2 AUX-I/O**) are received on the DVD recorder on programme number '*EXT2*'

If necessary, use the **MONITOR** button to switch to the internal tuner.
Select programme number '*EXT1*' with **0** on the remote control and then select programme number '*EXT2*' with **P-▼** .
You should select the TV channels to be received by the satellite receiver directly on the receiver itself.

Allocating a decoder

Some TV channels send coded TV signals that can only be viewed properly with a purchased or rented decoder. You can connect such a decoder (descrambler) to your DVD recorder. The following function automatically activates the connected decoder for the TV channel you want to watch.
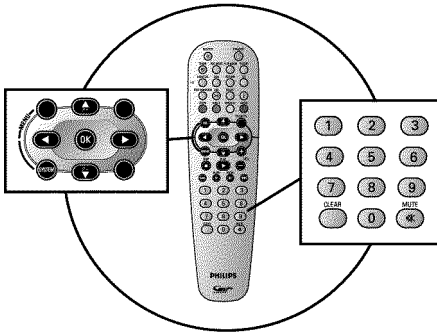
How do I allocate the decoder for Easy Link?

If your TV set supports 'Easy Link' the decoder must be assigned to the relevant TV channel on the TV set (see the operating instructions for your TV set). Settings cannot then be made in this menu.

?

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Use the **P+ ▲** and **P- ▼** buttons or the number buttons **0..9** on the remote control to select the TV channel for which you want to use the decoder. If necessary, use the **MONITOR** button to switch to the internal tuner.

4 Press the **SYSTEM-MENU** button on the remote control. The menu bar appears.

5 Select '**Τλ**' symbol with ◄ or ► .

6 Select '*Installation*' using **P- ▼** or **P+ ▲** and confirm with ► .

7 Select '*Manual search*' using **P- ▼** or **P+ ▲** and confirm with ► .

8 Select '*Decoder*' using **P- ▼** or **P+ ▲** .

9 Select '*On*' with ◄ or ► .

```
Installation
   Manual search

   Channel/freq.        CH
   Entry/search         01
   Programme number     01
   TV channel name      BBC1
   Decoder              Off
   TV system            PAL-BG
   NICAM                On
   Fine tuning          0
                        To store
                        Press OK
```

How do I switch the decoder off again?

Use ► to select '*Off*' in the '*Decoder*' line on the screen (Decoder off).

?

10 Confirm with **OK** .

11 To end, press **SYSTEM-MENU** .

Your decoder has now been allocated to this TV channel.

Connection using a component video (Y Pb Pr/YUV) cable

Component video (Y Pb Pr) is the highest quality picture transmission option. This is achieved by dividing the video signal into a luminance signal (Y) and two colour difference signals - red minus luminance (U) and blue minus luminance (V). As a rule, "Cr" or "R-Y" is used to describe the red difference signal and "Cb" or "B-Y" the blue difference signal.
These signals are transmitted through separate lines. The connectors of this cable and the corresponding sockets are usually green (luminance), blue (Pb, Cb, B-Y), and red (Pr, Cr, R-Y).

If you choose this type of connection, the DVD recorder must already be connected and completely installed (initial installation complete).
Switching of the signal to the **COMPONENT VIDEO OUT** sockets is carried out in a menu that is not yet available during the initial installation.
Moreover, the installation of the GUIDE Plus+® system must also be completed (local post code must be entered).

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press the **SYSTEM-MENU** button on the remote control. The menu bar appears.

4 Select '⊤⅄' using ◀ oder ▶ and confirm with **P-▼** .

5 Select the '⌐⋅⌐' symbol using **P-▼** or **P+▲** and confirm with ▶ .

6 Select the line '*Video output*' using **P+▲** or **P-▼** and confirm with ▶ .

7 Select your setting with **P-▼** or **P+▲** .

	Picture
TV shape	16:9
Black level shift	Off
Video shift	▬▬▬▬▬
Video output	RGB + CVBS
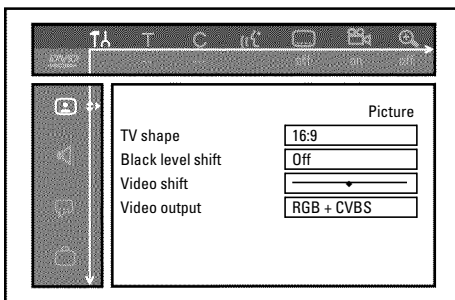
Which setting should I choose?
Since YPbPr (YUV) signals are not transmitted simultaneously with S-video(Y/C) and video (FBAS/CVBS) signals, you can choose between the two types. The 'RGB' signal is switched off.
'*S-video + YPbPr*' Component Video (YUV) and S-Video(Y/C).
On the socket **OUT S-VIDEO (Y/C)** no GUIDE Plus+® menus.

'*CVBS + YPbPr*'Component Video (YUV) and Video (FBAS/CVBS).
On the socket **VIDEO (CVBS) OUT** no GUIDE Plus+® menus.

With all other settings, the signal is switched off at the **COMPONENT VIDEO OUT** sockets. This will also be displayed as information on the screen. For more information on the other settings, read section 'Picture settings' ('*Video output*') in chapter 'User preferences'.

8 Confirm with **OK** .

9 Use a component video (Y Pb Pr) cable, connect the three cinch sockets (red, blue, green) **COMPONENT VIDEO OUT** at the back of the DVD recorder with the corresponding three component video input sockets of your TV set, usually labelled 'Component Video Input', 'YUV Input', 'YPbPr', 'YCbCr' or simply 'YUV'.

Warning!
Do not confuse these sockets with the five-component RGB sockets (if available) or the yellow video (CVBS/FBAS) socket and the two audio sockets (red/white). The five-component RGB sockets are only provided for the R-G-B-H-V signals (red, green, blue with horizontal and vertical synchronisation impulse).

Please observe the colour sequence

The colours of the sockets at the DVD recorder and the connectors must match those of the socket colours at the TV set (red-red/blue-blue/green-green). If they don't, the colours of the picture may get mixed up or the picture may not be visible.

Tip

---
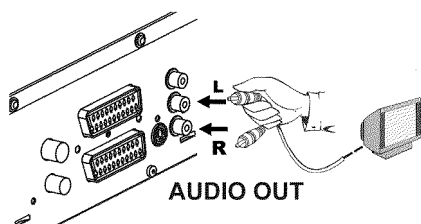
10 Use an audio (cinch) cable, connect the red/white cinch socket **OUT AUDIO L/R** at the back of the DVD recorder with the mostly red/white audio input socket of your TV set (usually labelled 'Audio in' or 'AV in'. See the instruction manual of your TV set.)

11 If necessary, switch your TV set to the component video input socket. Also consult the instruction manual of your TV set.

12 The menu of the DVD recorder should now appear on the TV screen. If not, check the cable connections and the settings on your TV set.

AUDIO OUT

Manual TV channel search

In some cases, not all of the available TV channels may have been found and stored during initial installation. In this case, you will need to search for and store the missing or coded TV channels manually.
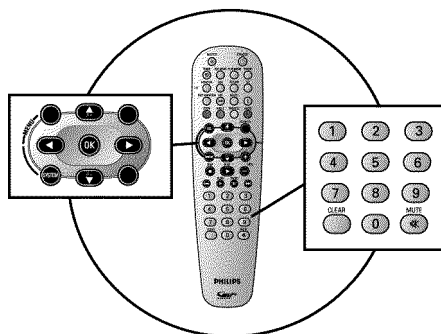
Manual search with EasyLink

With 'Easy Link', the DVD recorder will automatically download the TV channels stored on the TV set. This is why some lines have no function. To store new TV channels, they must first be stored on the TV set. The information will then be transferred to the DVD recorder automatically.

Tip

---

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** on the remote control. The menu bar appears.

4 Select '⊤ょ' symbol with ◀ or ▶ .

5 Select '*Installation*' using **P- ▼** or **P+ ▲** and confirm with ▶ .

6 Select '*Manual search*' using **P- ▼** or **P+ ▲** and confirm with ▶ .

```
Installation
    Manual search

    Channel/freq.          CH
    Entry/search           01
    Programme number       01
    TV channel name        BBC1
    Decoder                Off
    TV system              PAL-BG
    NICAM                  On
    Fine tuning            0
                        To store
                        Press OK
```

7 In '*Channel/freq.*', select the desired display using ▶ .
'*Freq.*'(Frequency), '*CH*'(Channel), '*S-CH*'(Special/hyperband channel)

8 In '*Entry/search*', enter the frequency or channel of the TV station using the number buttons **0..9** .

×I don't know the channel for my TV station

✓ In this case, press ▶ to start the automatic search. A changing channel number/frequency number will appear on the TV screen.
Continue the automatic search until you have found the TV channel you are looking for.

Problem

---

9 Using ◀ or ▶ in '*Programme number*', select the programme number you want to use for the TV channel, e.g. '*01*'.

How can I change the namel of a TV channel?

1 In '*TV channel name*', press ▶ .
2 Select the desired character position using ◀ or ▶ .
3 Change the character at the desired position with **P- ▼** or **P+ ▲** .
4 Select the next character position in the same way.
5 Confirm with **OK** .

Tip

How can I change the TV system of the TV channel?

In '*TV system*', use ◀ or ▶ to select the TV system that produces the least distortion of picture and sound.

What is NICAM?

NICAM is a digital sound transmission system. Using NICAM, you can transmit either 1 stereo channel or 2 separate mono channels. However, if reception is poor and the sound distorted you can turn off NICAM.
In '*NICAM*', select '*Off*' using ◀ or ▶ .

How can I improve the automatic process for storing channels?

To change the automatic process for storing channels (fine tuning), select '*Fine tuning*'.
Using ◀ or ▶ you can try to fine-tune the TV channelmanually.

Tip

---

10 Press **OK** to store the TV channel.

11 To search for other TV channels, begin again at **8** .

12 To end, press **SYSTEM-MENU** .

Installing your DVD recorder

29

Sorting TV channels automatically (Follow TV)
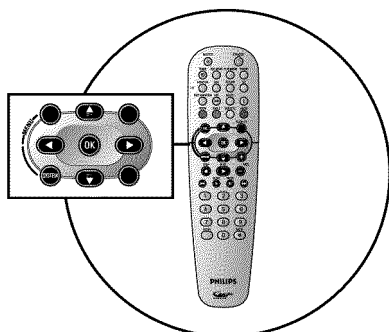
When the automatic channel search function is activated, the TV channels are stored in a specific order. This may differ from the order in which the TV channels appear on your TV set.

This function changes the order of the TV channels stored in your DVD recorder to match the order on the TV set.

This only works if the DVD recorder (**EXT 1 TO TV-I/O** socket) and the TV set **are connected with a scart cable**.

My TV set has Easylink

If your TV set supports 'Easylink,..', TV channels will be stored during initial installation in the same order as they appear on the TV set. To store the TV channels in a different order, you'll need to change the order on the TV set. When you start the Follow TV function the information is transferred again from the TV set.

Tip

---

❶ Switch on the TV set. If required, select the programme number for the DVD recorder.

❷ Switch on the DVD recorder using **STANDBY-ON** ⏻ .

❸ Press the **SYSTEM-MENU** button on the remote control. The menu bar appears.

❹ Select '**Ƭ⅄**' symbol with ◀ or ▶ .

❺ Select '**Installation**' using **P-** ▼ or **P+** ▲ and confirm with ▶ .

❻ Select line '**Follow TV**' with **P-** ▼ or **P+** ▲ . and confirm with the ▶ button.

❼ Confirm the message on the screen with **OK** . '*TV 01*' will appear in the DVD recorder display.

❽ Select programme number '1' **on the TV set**.

✗ **I cannot switch my TV set to programme number '1'**

✓ If you have connected additional devices to the **EXT 2 AUX-I/O** socket, please disconnect these devices. Other connected devices may have switched the TV set to the programme number of the scart socket.

Problem

---

❾ Confirm with **OK** on the DVD recorder remote control.

'*WAIT*' will appear in the display. The DVD recorder compares the TV channels on the TV set and the DVD recorder.

If the DVD recorder finds the same TV channel as on the TV set it stores it at '*P01*'.

TV 01

10 Wait until for example '*TV 02*' appears in the display.

TV 02

11 Select the next programme number **on the TV set**, e.g. '2'.

12 Confirm with **OK** on the DVD recorder remote control.

Deleting sorting
You can delete incorrect TV channel sorting by pressing ◀ .

Tip

13 Repeat steps **10** to **12** until you have assigned all the TV channels.

14 To end, press **SYSTEM-MENU** .

Installing your DVD recorder

Automatic TV channel search (Autoinstall)

During installation, all available TV channels are searched for and stored. If the channel assignments of your cable or satellite TV provider change or if you are reinstalling the DVD recorder, e.g. after moving house, you can start this procedure again. This will replace the stored TV channels with the new ones.
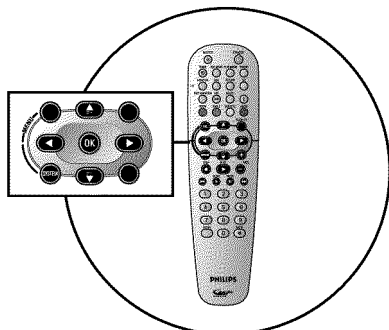
> **My TV set has Easylink**
> With Easylink, you can search for and store TV channels only on the TV set. These settings are accepted by the DVD recorder. Use this function to start the transfer of TV channels from the TV set.
>
> **Tip**

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press the **SYSTEM-MENU** button on the remote control. The menu bar appears.

4 Select '⊤⅄' symbol with ◀ or ▶ .

5 Select '*Installation*' using **P-** ▼ or **P+** ▲ and confirm with ▶ .

6 Select '*Autoinstall*' using **P-** ▼ or **P+** ▲ .

7 Press ▶ .

8 'Autoinstall' starts. Wait until all the TV channels have been found. This can take several minutes.

9 When Autoinstall has finished, '*Autoinstall complete*' will appear on the TV screen.

10 The date and time have been set and stored.

11 To end, press **SYSTEM-MENU** .

Installation
Autoinstall

Searching for TV channels

00 Channels found

Please wait

You can read about how to search for a TV channel manually in 'Manual TV channel search'.

Sorting and deleting TV channels manually
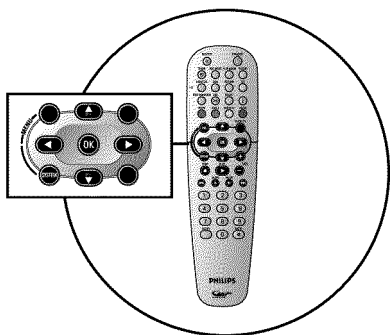
After you have performed the automatic channel search you may not agree with the sequence in which the individual TV channels have been allocated to the programme positions (programme numbers). You can use this function to rearrange the TV channels already stored or to delete TV channels you don't want or those with poor reception.

EasyLink

With Easylink, you can search for and store TV channels only on the TV set. These settings are then transferred to the DVD recorder.
That is why you cannot select this function manually.

The teletext clock resets automatically

If you store a TV channel which transmits TXT/PDC on programme number 'P01', the date and time will automatically be transmitted and constantly updated. As a result, the changes from summer time to winter time and back again will be made automatically.

Tip

---

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder. Press the **SYSTEM-MENU** button on the remote control. The menu bar appears.

3 Select 'ᐪ⅄' symbol with ◀ or ▶ .

4 Select '*Installation*' using **P-**▼ or **P+**▲ and confirm with ▶ .

5 Select '*Sort TV channels*' using **P-**▼ or **P+**▲ and confirm with ▶ .

6 Using **P-**▼ or **P+**▲ select the TV channel that you want to delete or whose order you want to change.

7 Confirm with ▶ .

Deleting TV channels

Unwanted channels or those with poor reception can be deleted using **CLEAR** . Proceed at step **6** .

Tip

```
Installation
   Sort TV channels
   ...
 • P01    BBC1
   P02    BBC2
   P03    ITV
   P04
   P05
   P06
   ...

To sort            To exit press
Press ›            SYSTEM MENU
```

8 Using **P-**▼ or **P+**▲ , shift the TV channel to the desired position and press the ◀ button. The DVD recorder will insert the TV channel.

9 Repeat steps **6** to **8** until you have resorted/deleted all the TV channels you want.

10 To store, press **OK** .

11 To end, press **SYSTEM-MENU** .

Installing your DVD recorder

33

Setting the language

For the basic setting of DVD playback, you can select the language for the subtitles and the audio language. Please note that with some DVDs the audio language and/or subtitle language can be changed only via the DVD menu.
For bilingual shows, you can also select the sound channel of the TV station via the internal tuner (**MONITOR** button) for recording or playback.
You also have the option of setting one of the displayed languages for the on-screen menu (OSD). However, the DVD recorder display will only display English text regardless of this setting.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** on the remote control. The menu bar appears.

4 Select '🇹🇦' symbol with ◄ or ► .

5 Select line '*Language*' with **P-▼** or **P+▲** and confirm with the ► button.

6 Select the appropriate line and confirm with ► .

	Language
Audio Language	English
Recording audio	Language 1
Subtitle	English
Menu	English

7 Select the appropriate setting using **P-▼** or **P+▲** and confirm with **OK** .

8 To end, press **SYSTEM-MENU** .
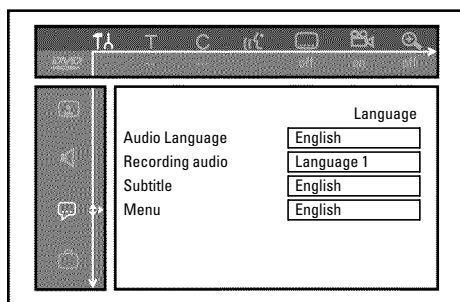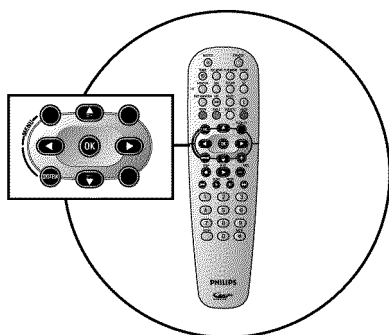
'*Recording audio*' switching over (2-channel sound)

Some TV programmes transmit an extra audio signal in stereo in addition to the normal audio signal (2-channel sound). In most cases this means that an additional language is available. If a TV programme is available in, say, English and German, German may be available as the second language.

To record TV programmes in 2-channel sound, you can select the language you want as the default setting. This setting does not become active until the sound of a TV programme is transmitted in 2-channel sound.

When you play back the recording you can play back the sound only in the language you used for the recording.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** on the remote control. The menu bar appears.

4 Select '⊺λ' symbol with ◄ or ► .

5 Select line '*Language*' with **P-** ▼ or **P+** ▲ . and confirm with the ► button.

6 Select line '*Recording audio*' and confirm with ► .

7 Select '*Language 1*' or '*Language 2*' with **P-** ▼ or **P+** ▲ and confirm with **OK** .

8 To end, press **SYSTEM-MENU** .

	Language
Audio Language	English
Recording audio	Language 1
Subtitle	English
Menu	English

Installing your DVD recorder
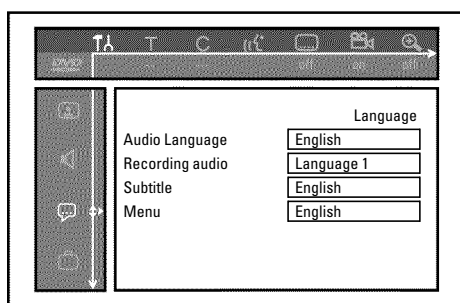
Setting the time and date

If the display shows an incorrect time or '*--:--*', the time and date must be reset manually.
If a TV channel which transmits TXT/PDC (teletext/PDC) is stored under programme number 'P01', the time and date will automatically be taken from the TXT/PDC information.

Warning!
If data from the GUIDE Plus+® system is already available, the date/time will be controlled by the GUIDE Plus+® system. '*Off*' will then appear in line '*Clock preset*'.
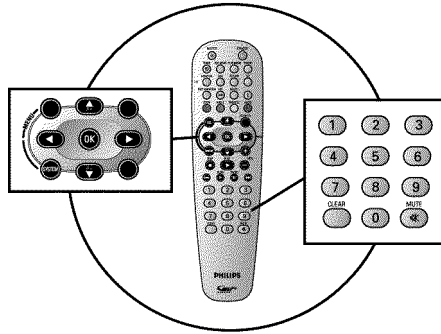
❶ Press **SYSTEM-MENU** on the remote control. The menu bar appears.

❷ Select '**Ṫλ**' symbol with ◀ or ▶ .

❸ Select '*Installation*' using **P-** ▼ or **P+** ▲ and confirm with ▶ .

❹ Select '*Time/Date*' using **P-** ▼ or **P+** ▲ and confirm with ▶ .

❺ Check if the time in '*Time*' is correct. If required, change the time with the number buttons **0..9** on your remote control.

❻ Check '*Year*', '*Month*' and '*Date*' in the same way. To move between the fields, use **P-** ▼ or **P+** ▲ .

❼ Check the displayed settings and confirm with **OK** .
'*Stored*' will appear briefly on the screen.

❽ To end, press **SYSTEM-MENU** .

```
Installation
  Time/Date

  Time              20:00
  Year              2003
  Month             01
  Date              01
  Clock preset      01



              To exit press
              SYSTEM MENU
```

5 The GUIDE Plus+® System

General information

Your DVD Recorder is equipped with the GUIDE Plus+® System. The GUIDE Plus+® System offers a free interactive electronic programme guide that lists all the TV programmes available in your area. You can also use the GUIDE Plus+® System to program your DVD recorder to record your favourite shows.

Press **GUIDE/TV** to see a summary of all the TV programmes currently being shown on the various TV channels. For the summary, you can either display all shows for a particular start time or sorted according to category.

For the GUIDE Plus+® System to operate correctly, it is necessary for the DVD recorder to collect the necessary data. The DVD recorder may take up to 24 hours to do this.

Please note the following:
•) All the TV channels must already have been installed.
•) The TV channel that transmits the GUIDE Plus+® system information must be installed.

Country/City (Language)	TV-channel
Deutschland	Eurosport
Österreich	Eurosport
Schweiz (Deutsch)	Eurosport
United Kingdom	ITV
France	Canal+
España	Tele 5
Nederland	Eurosport
Eindhoven	Music Factory (TMF)
Rotterdam	Music Factory (TMF)
Amsterdam	Music Factory (TMF)
Belgique (Français)	Canal+
België (Nederlands)	Music Factory (TMF)

•) The time and date must have been set.
•) The country and the local post code must have been set in the GUIDE Plus+® system.
•) The aerial/cable network must be connected; it must be possible to receive TV channels.
•) The DVD recorder must be connected to the mains
•) The DVD recorder must be switched to standby with the **STANDBY** ⏻ button.
•) If you have connected an external receiver (satellite receiver, set-top box, cable TV box,...), it must be switched on
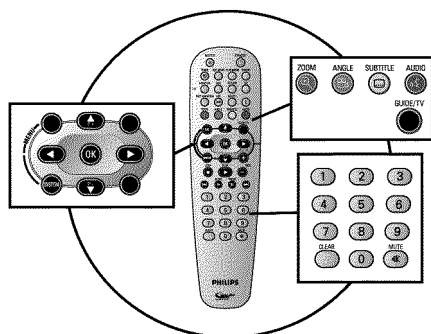
Setting up the GUIDE Plus+® System

Below we'll tell you how to set up the GUIDE Plus+® System to suit your own particular needs and how to install the external receiver (satellite receiver, ...) if you have one.
If the GUIDE Plus+® system has not been installed yet, the '*Setup*' screen will appear and you can start with the installation right now.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Press the **GUIDE/TV** button on the remote control.
The '*Grid*' screen will appear.

> **× A 'Setup screen' will appear**
> ✓ The GUIDE Plus+® system was not completely installed or the installation was interrupted (local post code was not entered). Select one of the settings described in the next chapter and follow the instructions on the screen.

Problem

3 Press **P+ ▲** . Select the setting '*Setup*' with **▶** . This setting is located on the second page.

4 Select one of the following options using **P- ▼** or **P+ ▲** and confirm with **OK** .

'*Setup*' Installation of the GUIDE Plus+® system.
Continue reading in the next chapter.

'*View Demo*' At this point you will be introduced to the functions of the GUIDE Plus+® system. This will be done using stored demo data.
If you start the demo, programmed recordings can be deleted.
By pressing **OK** during the presentation, you can proceed directly to the installation of the GUIDE Plus+® system. Read the next section.
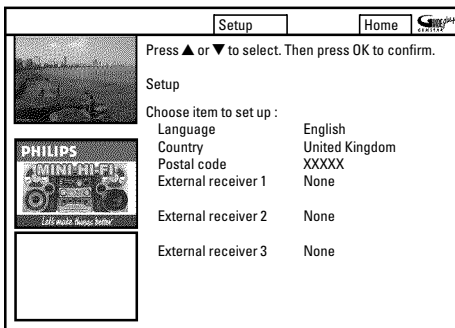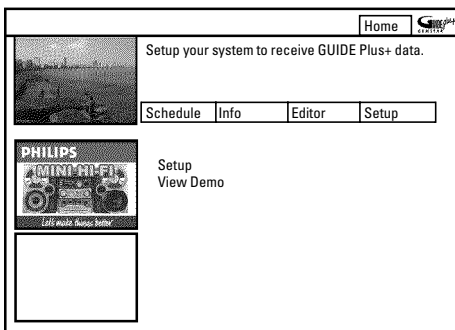
'*Setup*'

Check the data displayed on the screen. If necessary, you can change these. To do so, select the corresponding line with **P- ▼** or **P+ ▲** .

'*Language*'

Here you can change the language for the on-screen menu.

1 Press **OK** .

2 Select the desired language using **P- ▼** or **P+ ▲** and confirm with **OK** .

3 Press **OK** to return to the '*Setup*' screen.

'*Country*'

Select the country you currently live from the list. The DVD recorder needs this information to load the right channel list.

1 Press **OK** .

×'*Others*' appears on the screen in the country setting
✓ The country will be taken from the TV set during the EasyLink download. The country from the TV will be not supported from the GUIDE Plus+® system.
Select another country.

Problem

---

2 Select the country you live in using **P- ▼** or **P+ ▲** and confirm with **OK** .

3 Press **OK** to return to the '*Setup*' screen.

'*Postal code*'

In order to adjust the GUIDE Plus+® system correctly, it is necessary to know your current location with the TV channels available. Using the local post code and the country, the DVD recorder can automatically make the settings.

1 Press **OK** .

2 Choose the entry position using **▶** , **◀** . Select the local post code of your location using **P+ ▲** , **P- ▼** , or the number buttons **0..9** . Depending on the country you select, you can also enter letters using **P- ▼** or **P+ ▲** .

×I cannot enter a local post code
✓ You have selected a country in which none of the channels transmits GUIDE Plus+® data yet.

Problem

---

3 Confirm the local post code with **OK** .

4 Press **OK** to return to the '*Setup*' screen.

'*External receiver 1*'

How you install the external receiver you will read in the next chapter.

Setup		Home	

Press ▲ or ▼ to select. Then press OK to confirm.

Setup

Choose item to set up :
Language	English
Country	United Kingdom
Postal code	XXXXX
External receiver 1	None
External receiver 2	None
External receiver 3	None

PHILIPS
MINI HI-FI
Let's make things better
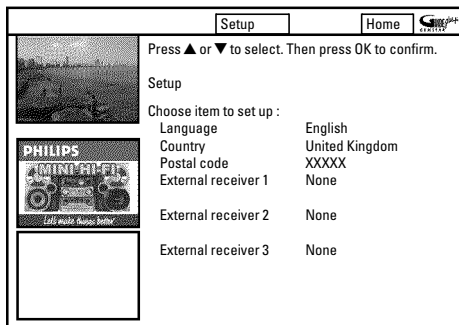
Installation of the '*External receiver 1*'

If you have connected an external receiver (satellite receiver, set-top box, cable TV box), you must also install it in the GUIDE Plus+® system. TV programmes (TV channels) that you can only watch via the receiver can also be displayed in the GUIDE Plus+® system and be programmed for recording.
You can connect up to three external receivers to the DVD-Recorder.

❶ Select with **P-** ▼ or **P+** ▲ in the '*Setup*'screen the line '*External receiver 1*' and confirm with **OK** .

❷ Read the information on the screen and confirm with **OK** .

❸ Select the type of the external receiver. This setting serves to preselect the type used.

> **Which types can I choose?**
> This selection depends on the country and the GUIDE Plus+® system provider. Therefore, some types may have no function.
> '*Cable*': Cable receiver, cable box.
> '*Satellite*': Analogue or digital satellite receiver.
> '*Terrestrial*': Digital terrestrial decoder box.
> '*None*': No external device connected.
>
> **Tip**

❹ Confirm with **OK** .
If you selected '*None*', there is nothing further you need to do here.
Read on in the section entitled 'Continue set-up'.
Otherwise, you should continue here.

❺ Select your provider from the list. If you do not have a provider, select '*No provider*'

❻ Confirm with **OK** .

❼ Select the brand of your external receiver from the list. If, additionally your provider is printed on your receiver (e.g. Sky,...), you must choose the provider as brand. Depending on the type and provider you selected, a limited selection will appear.
Browse through the pages of the list using ▶▶| , |◀◀ .

> ✗**My brand is not included in the list**
> ✓ Select '*Satellite*' and as provider '*No provider*'.
>   You will see a list of all stored brands.
> ✓ If you do not find your brand, please proceed as follows:
> ❶ Select '*None*'. You will find this setting at the end of the list.
> ❷ Please note the type and manufacturer of your external receiver and call the customer support service in your country. You will find the telephone number on the back of this instruction manual.
> ❸ The control data of the external receivers are automatically updated (completed) via the GUIDE Plus+® system. This is done through the aerial, the cable, or the external receiver. You do not need to bring the device to a service centre.
>
> **Problem**

❽ Press **OK** .

9 Select the input socket of the DVD recorder to which the receiver is connected.

> ✗ **My external receiver is connected only via aerial cable**
> **1** Press ▶▶| to move to the next page.
> Confirm '*Antenna (RF lead)*' using **OK** .
> **2** Enter the channel number under which the external receiver is stored in the DVD recorder. (e.g.: channel number 'P 04'). Use the number buttons **0..9** , or **P-▼** , **P+▲** , **◀** , **▶** .
> If the external receiver is not allocated to a channel number, you must search and store it in the DVD recorder as if it were a new TV channel. Read section 'Search TV channels manually'. Please make sure that the receiver remains switched on during search and, if necessary, switch it on to a 'test signal'.
>
> **Problem**

10 Confirm with **OK** .
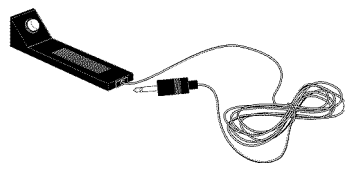
Connecting G-LINK transmitter

The external receiver (satellite receiver, set-top box, cable TV box) is controlled via the DVD recorder with the G-LINK cable (supplied). This means you can record TV shows that are received only through the external receiver.
Connection of the G-LINK cable enables the GUIDE Plus+® system to show the correct guide listing.
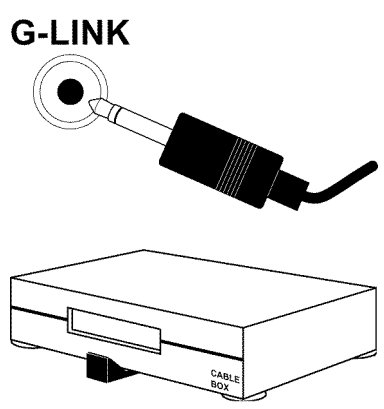
G-LINK

1 Connect the G-LINK cable to the **G-LINK** socket at the back of the DVD recorder.

2 Position the G-LINK transmitter in front of the external receiver so that the control signal (IR signal) can be transmitted and received by the receiver unhindered.

> **How do I find the right position?**
> If the position of the remote (IR) receiver is indicated on your external receiver (IR, remote sensor, or such like), place the transmitter about 1 cm in front of it.
>
> If the position is not indicated, proceed as follows:
> **1** Switch off the external receiver.
> **2** Point the remote control at the front of the external receiver.
> **3** Move the remote control slowly along the front while repeatedly pressing the on/off button.
> **4** When the external receiver switches on or off, you've found the receiver.
> **5** Attach the G-LINK transmitter about one (1) cm in front of it.
>
> **Tip**

3 Switch the receiver on and select programme number 02 on the receiver or using its remote control.

The GUIDE Plus+® System

> ✕ **My external receiver does not display the programme number**
> During installation, the external receiver will be switched to a different programme number. If the receiver does not display the programme number, you must check the 'Video window' (left top corner in the GUIDE Plus+® system) to see whether switching has taken place. The connection socket of the receiver will be automatically selected.
> ❶ Please check the TV show in the 'Video window' in the left top corner of the screen.
> ❷ Check whether the picture changes during the next step (**OK**).

Problem

❹ Read the information on the screen carefully.
Confirm with **OK** .
The DVD recorder will now attempt to use the G-Link connection on the external receiver to select a different programme number (e.g.09). This programme number depends on your external receiver.

❺ Has the external receiver been switched to the programme number displayed on the screen?
If this is the case, select '***YES***'.
If no switching has taken place, select '***NO***'.

> ✕ **My external receiver has not switched to the other programme number.**
> ❶ Check that the external receiver is connected and switched on.
> ❷ Check the connection and position of the G-LINK transmitter.
> ❸ For another attempt with a new code of the chosen brand, select '***NO***'.
> ❹ Confirm with **OK** on the remote control.
> ❺ If the receiver has not switched yet, select '***NO***' again and confirm with **OK** . It may take several attempts for a receiver brand.
> If you return to the setup screen after confirming '***NO***', your receiver may not have been installed. Check the connections again.
> ❻ If all connections are o.k., please note the type and manufacturer of your external receiver and call the customer support service in your country. You will find the telephone number on the back of this instruction manual.
> The control data of the external receivers are automatically updated (completed) via the GUIDE Plus+® system. This is done through the aerial, the cable, or the external receiver. You do not need to bring the device to a service centre.

Problem

❻ Your external receiver has now been installed.

❼ Press **OK** to return to the setup overview.

> ✕ **I want to install additional external receivers**
> When installing additional external receivers, please observe the following: The external receiver which is controlled by the G-LINK transmitter must be **below** the other additional receivers. The IR(infrared) remote control signal is reflected diagonally upwards and can therefore be used to control additional external receivers which are on top.

Problem

Continue set-up

```
┌──────────────────────────────────────────┐
│  ┌─────────┐              ┌────┐  ⌐≡⊏ˢᵖˡᵘˢ│
│  │ Setup   │              │Home│          │
│  ├────────────────────────────────────────┤
│  │ Press ▲ or ▼ to select. Then press OK to confirm. │
│  │                                         │
│  │ Setup                                   │
│  │                                         │
│  │ Choose item to set up :                 │
│  │   Language           English            │
│  │   Country            United Kingdom     │
│  │ PHILIPS  Postal code XXXXX               │
│  │   External receiver 1   None            │
│  │                                         │
│  │   External receiver 2   None            │
│  │                                         │
│  │   External receiver 3   None            │
│  │                                         │
│  └────────────────────────────────────────┘
```
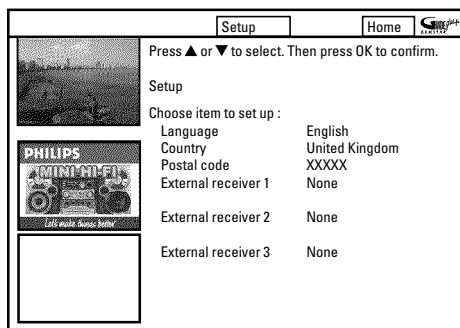
❶ Check the settings shown on the screen.
If the settings are not correct, choose the line in which you want to change the settings and confirm with **OK** .

❷ Press the green function button to leave the screen.

❸ If you want to view a demonstration of the GUIDE Plus+® system select '*View Demo*' with **P- ▼** and confirm with **OK** .
If you start the demo, programmed recordings can be deleted.
If you do not want to see a precentation of the GUIDE Plus+® system, end using **GUIDE/TV** .

❹ This completes the set-up process for the GUIDE Plus+® system.

Leave the DVD recorder switched off with the **STANDBY** ⏻ button (preferrably during the night) to load the GUIDE Plus+® data.
The information will be available in the next 24 hours.

┌───┐
│ **What must I pay attention to when installing an external receiver for the first time?**

•) The receiver must be switched on.

•) If you can switch between 'TV' and 'Radio' on the receiver, select 'TV'.

•) Select the TV channel that transmits the GUIDE Plus+® data on the receiver. You will find the corresponding TV channel for your country in the table in section 'General Information' in chapter 'The GUIDE Plus+ System'.

•) On the DVD recorder, select the programme number of the input socket to which the external receiver is connected:

'ᴱˣᵀ²' Scart socket at the back of the DVD recorder **EXT 2 AUX-I/O**

'ᶜᴬᴹ¹' S-Video/Video front sockets **S-VIDEO** / **VIDEO**

'ᴱˣᵀ¹' Scart socket at the back of the DVD recorder **EXT 1 TO TV-I/O**

•) If the external receiver is only connected to the aerial socket, you must select the programme number on the DVD recorder under which the external receiver is stored.

•) The DVD recorder must be switched on.

•) If GUIDE Plus+® data were loaded, switch the DVD-Recorder off with the **STANDBY** ⏻ button for approx.10 minutes. During this time, the data will be stored in a memory to prevent them from being erased in case of malfunction (power failure).

You must observe this information only when installing the receiver for the first time. At this point, there is no GUIDE Plus+® data available yet in order to automatically detect the TV channel that delivers the GUIDE Plus+® data. **Tip**
└───┘

Using the GUIDE Plus+ ® System

General

The GUIDE Plus+® System provides you with a free on-screen listing for all the TV channels in your location. You can also use it to control a connected external receiver (satellite receiver, set top box, cable box).

The information of the GUIDE Plus+® System is divided in six screen components:
•) Function buttons (colour panels) along the top of the screen. These correspond to the colour buttons of the remote control
•) The video window
•) Programme information or instructions for use
•) A line for the selection of available GUIDE Plus+® menus
•) The channel guide with the current listings
•) Advertising information or instructions on the GUIDE Plus+® system

Calling up the GUIDE Plus+ ® System:
Press **GUIDE/TV** on the remote control.

Closing the GUIDE Plus+ ® System:
•) Select a programme and press the **OK** button to leave the GUIDE Plus+® System and view the programme you selected.
•) Press **GUIDE/TV** on the remote control to leave the GUIDE Plus+® System and view the programme in the video window.

Using the buttons on the front of the DVD recorder
Calling up the GUIDE Plus+® System: GUIDE button.
Closing the GUIDE Plus+® System: GUIDE button.
Confirm the function: ► button.
Red function button: RECORD button.
Cursor buttons: UP , **DOWN** , **LEFT** , **RIGHT** .

Navigating the GUIDE Plus+® System

Press **GUIDE/TV** to view the main menu. Press **P+ ▲** to select the menu line. You can select one of the following functions with **◄** or **►** . Press at the desired function the **P- ▼** button for confirmation.

'***Grid***':   Standard GUIDE Plus+® system screen (programme guide)
'***Search***'   TV shows sorted by category (movies, sport, etc.)
'***Schedule***':   Scheduled (pre-programmed) recordings
'***Info***':   Additional special functions in the GUIDE Plus+® system.
'***Editor***':   Display/Change the channel settings for the '***Grid***' screen
'***Setup***':   For changing the basic settings. Read further information in the chapter 'Set up the GUIDE Plus+® System'.

Function buttons (colour buttons)

If GUIDE Plus+® information has been loaded, function buttons (colour fields) at the top of the screen indicate that you can perform various actions in the GUIDE Plus+® screen. (Red (**ZOOM**), Green (**ANGLE**), Yellow (**SUBTITLE**), Blue (**AUDIO**) whose function depends on the respective menu. Always check the function (description) in the corresponding colour field before pressing a button.

If no colour buttons are displayed, pressing them will have no effect.

INFO button

An **i** button is also available. If additional information is available (symbol i on the screen), you can use this button to retrieve the information.
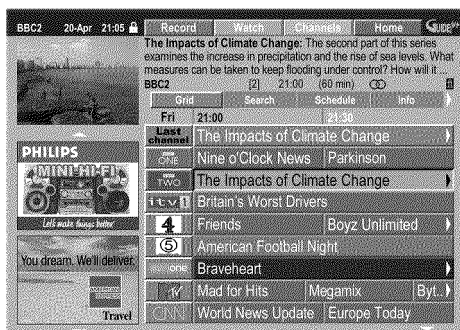
The '*Grid*' screen

This list appears when you press the **GUIDE/TV** button. You can view the current listing for all the TV channels from today to the same day next week.

ATTENTION!

If data from the GUIDE Plus+® system is already available after the initial installation, check the allocation of programme numbers to the channels in the '*Editor*' screen.

Read therefore the section 'The '*Editor*' screen'.

If the TV-channel that transmits the GUIDE Plus+® data was allocated to the wrong programme number, no further GUIDE Plus+® data can be loaded.

❶ Press **GUIDE/TV** . The '*Grid*' screen will appear.

˟ **The '*Grid*' screen appears but is empty**
✓ Either the aerial is not connected or GUIDE Plus+® data is not yet available. The DVD recorder needs some time to collect this data. Leave it switched off during this process (**STANDBY** ⏻ button). Do not disconnect the DVD recorder from the mains!
✓ If you have connected an external receiver (satellite receiver, set-top box, cable TV box,...), it must be switched on.

˟ **I do not see all available TV channels**
✓ Please check your correct channel line up in the '*Editor*' screen.
  Read therefore the section The '*Editor*' screen. **Problem**

---

❷ Select the TV channel you require with **P+▲** or **P-▼** . You can use the number buttons **0..9** to select a TV channel directly.
You can use the ▶▶⏐ and ⏐◀◀ buttons to scroll a page at a time.

Choosing a TV channel from a listing
❶ Press the yellow function button.
❷ An overview of all TV channels appears.
❸ Select the TV channel you want using ▶ , ◀ , **P-▼** , **P+▲** .
❹ Confirm with **OK** . **Tip**

---

❸ Use the ◀ or ▶ button to select the show you want. You can hold down ◀ or ▶ to browse faster through the start times.
If you hold the button ⏐◀◀ or ▶▶⏐ pressed, you can switch forward or back one day.

The GUIDE Plus+® System

4   In the top left of the screen you will see a video picture of the current show of the selected TV channel.

<table>
<tr><td>

Unlocking / Locking the picture of the TV channel in the top left corner

Normally the video picture here is locked to the TV channel which you select before you call up the GUIDE Plus+® system.

If you prefer to view the current show of the selected TV channel you must unlock this video picture

Press ◀ to select the channel logo.

You can toggle between the two settings using the red function button.

'***Unlock***' :You will see the video picture of the TV channel you have just
          selected.

'***Lock***' :You will always see the video picture of the TV channel that was locked.

</td><td>**Tip**</td></tr>
</table>

5   Press **OK** to confirm the TV channel. The guide will disappear and you can now view the current TV show of the TV channel you have selected.
During a recording in progress you con not change the TV channel.

<table>
<tr><td>

How do I cancel?

Press **GUIDE/TV** instead of **OK** . The guide will disappear and you will be able to view the show you selected before you called up the GUIDE Plus+® System.

I want to call the additional information/advertisement on the left hand side of the screen

Press ◀ in the line of the TV channel repeatedly, until the additional information/advertisement on the left hand side of the screen is highlighted.
You can toggle between the two sets of information using **P-▼** , **P+▲** .
You can exit these areas with ▶ or with the blue function button.

</td><td>**Tip**</td></tr>
</table>

Function buttons (colour buttons) in the '*Grid*' screen

You can use the colour buttons on the remote control to select the following:

'*Watch*' **(green button)**:
The highlighted TV show is stored as a reminder using the start time and appears in the '*Schedule*' screen.
When the start time is reached, a message appears on the screen. You can store up to three such TV shows.

'*Record*' **(red button)**:
The highlighted show will be programmed for automatic recording. It appears in the '*Schedule*' screen in a different colour than the '*Watch*' recording. You can store up to six TV shows for recording.

'*Home*' **(blue button)**:
Return to the current time in the listing ('*Grid*' screen).

Home	

Search displays programme listings by categories of interest. Press ▼ to use. Press ◄ for Grid. Press ► for Schedule

Search	Schedule	Info	Editor

Movies	Sport
All	
Action	
Animation	
Comedy	
Drama	
Romance	
Sci Fi	
Thriller	

PHILIPS
MINI HI-FI
Let's make things better
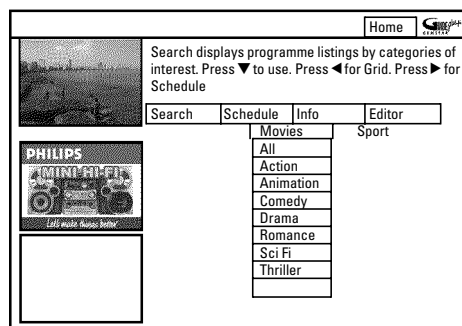
The '*Search*' screen

This menu lets you access show listings organised by category. This is an even easier way of searching the show you want to watch.
Make your selection from a general category (Movies, Sport, Children's, Series, etc.) and a detailed category (Adventure, Comedy, Drama, etc.)

<u>**Colours of the categories:**</u>,
Purple-Movies
Green-Sport,
Blue-Children's,
Teal-Others,
The Sort service gives you show listings for the next 7 days.

❶ Select the category with ◄ , ► .
Confirm with **P-▼** . Select the minor category with **P-▼** , ◄ , ► .

❷ Confirm with **OK**

❸ Use the **P-▼** , **P+▲** , ◄ , ► buttons to scroll through the shows.

> ✕**'*No Program was found*' appears on the screen**
> There is no TV show today that matches the selected category.
> ✓ Select a different day with ► , ◄ .
> ✓ Press **P+▲** to return to the '*Search*' screen.

Problem

Function buttons (colour buttons) in the '*Search*' screen

If you have highlighted a show you can use the coloured buttons to perform the following actions:

'*Watch*' **(green button)**:
The highlighted TV show is stored as a reminder using the start time and appears in the '*Schedule*' screen.
When the start time is reached, a message appears on the screen. You can store up to three such TV shows.

'*Record*' **(red button)**:
The highlighted show will be programmed for recording. It appears in '*Schedule*' in a different colour than the '*Watch*' recording.

'*Home*' **(blue button)**:
Return to the current time in the listing ('*Grid*' screen).

The GUIDE Plus+® System

Quality	Frequency	VPS/PDC	Home	⌂

Recording quality M2, Single recording

Grid	Search	Schedule	Info

Watch/Record				Qual.	Freq.	Timing
21-Oct	20:00	21:30	BBC1	M2	Once	+0
21-Oct	Matrix			M2	Once	0

PHILIPS
MINI HI-FI
Let's make things better

The '*Schedule*' screen

This menu displays the shows that are set to record or as a reminder to watch them. You can clear recordings or make changes using the function buttons. Moreover, you can manually program recordings.

The following information is also displayed for each scheduled recording:
'*21-Oct*': Day and month of the recording
'*20:00*': Start time
'*21:30*': Stop time
'*Matrix*': Title of the show (if it is transmitted)
'*BBC1*': TV channel
'*Qual.*': Recording quality
'*Freq.*': Frequency ('*Once*'..once/'*M-F*'..daily (Monday to Friday)/'*Mon*'..weekly (every week on the same day, e.g. Monday))
'*Timing*': In case an extended switch-off time has been entered or 'VPS/PDC' (V-P) is switched on.

Function buttons (colour buttons) in the '*Schedule*' screen

You can select between programming with the VIDEO Plus+® system (red button) or manual programming (green button).

If you selected an already programmed TV show, you can make changes using the colour buttons of the remote control.
The function of the colour buttons will change depending on the tile you select. Always check the function (description) in the corresponding colour field before pressing a button.

❶   Press **P- ▼** .
Select the corresponding recording with **P- ▼** , **P+ ▲** .

❷   Select the corresponding tile with ◄ , ► .

> **left tile**
> red button: clear the recording
> green button: change the data
>
> **center tile**
> yellow button: change the TV channel
>
> **right tile**
> red button: recording quality
> green button: repeat
> yellow button: extend switch-off time, switch VPS/PDC on/off
>
> **Tip**

The '*Info*' screen

This screen can be divided in subcategories. These depend on the information provided by the GUIDE Plus+® system. If there are no categories available, no data has been provided yet. Try visiting this page later.

1 Press **P-▼** .
Select the corresponding subcategorywith **P-▼** , **P+▲** .

2 Select from the displayed data with **P-▼** or **P+▲** .

3 Confirm using **OK** to receive more information.

4 Return to the '*Info*' screen by pressing the red function button ('*Info*').

	Home	

Editor displays your TV channel settings. You may switch channel On or Off (grey), select their Source and their programme number. Press Down to use. Press Left for Info. Press Right for Setup.

Search	Schedule	Info	Editor

Name	On/Off	Source	Programme N.
BBC1	On	TV	P 001
BBC2	On	TV	P 002
ITV	On	TV	P 003
CH4	On	TV	P 004

PHILIPS
MINI HI-FI
Let's make things better.

The '*Editor*' screen

Here you can allocate the programme numbers to the corresponding TV channels and switch them on/off for the programme listings ('*Grid*' screen). Moreover, you can define the use of the TV channels on the external receiver.

1 Press **P-▼** .

2 Select the TV channel you want to change using **P-▼** , **P+▲** . Use the ◄ and ► buttons to switch between tiles.

left tile

This tile contains the TV channels with their short descriptions and indicates whether the TV channel is displayed in the programme listing ('*Grid*' screen) or not.
You can switch on/off a TV channel for the '*Grid*' screen using the red function buttonn

right tile

This tile contains the TV channel properties and the programme numbers. You can modify channel allocation or assign an external receiver. In order to assign a receiver, it must be already installed in the GUIDE Plus+® system.
To change allocations, proceed as follows:

1 Select the TV channel you want to change using **P-▼** , **P+▲** .

2 Press the green function button.

3 Enter the programme number of the TV channel using the number buttons **0..9** . You can only enter programme numbers of TV channels that have already been installed.
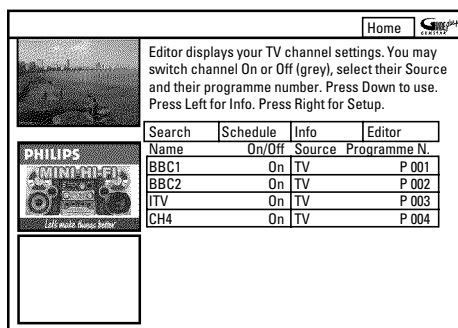
Please observe that in the case of modified TV channels, the transfer of GUIDE Plus+® channel data may take up to 24 hours.

The '*Setup*' screen

Here you can make or change the basic settings such as language, country, external receiver. Moreover, you can watch an automatic demonstration of the GUIDE Plus+® system.

'*Setup*'

All the settings you have already made are displayed here. Select the desired line using **P-** ▼ or **P+** ▲ and confirm with **OK** . For more information on the settings, read section 'Setting up the GUIDE Plus+® system' in chapter 'The GUIDE Plus+® system'.

'*View Demo*'

Here you can view a demonstration of the different functions of the GUIDE Plus+® system.
Start the automatic presentation with **OK** .
If you start the demonstartion, programmed recordings can be deleted.
If you cancel the presentation by pressing **OK** , you will go directly to the setup menu.

6 On-screen information
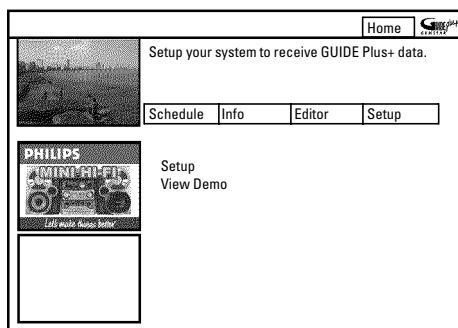
You can check or change many of the functions and settings of your DVD recorder via the system menu bar. The menu bar cannot be displayed during recording.

Symbols in the menu bar

Press **SYSTEM-MENU** to open and close the menu bar (main menu). Use ◀ and ▶ to select the relevant function. Use **P-** ▼ to confirm the function and go either to another menu or execute the function directly.
Some functions may not be available, depending on the disc inserted.

Menu bar 1

↑↓	**User preferences**
T	**Title/track**
C	**Chapter/index**
(({	**Audio language**
⊡	**Subtitle language**
🎥	**Camera angle**
🔍	**Zoom**

Menu bar 2

While menu bar 1 is being displayed you can go to menu bar 2 by pressing ▶ again.

🔊	**Sound**
◀⊡▶	**Frame advance**
▷	**Slow motion**
▶▶	**Fast forward**
🕘	**Search by time**

On-screen information

Field for temporary messages

The top left corner of the menu line contains a field for temporary messages relating to the various operating modes. This information appears briefly on the screen when certain disc functions have been activated:

Symbol	Description
shuffle	**Shuffle**
scan	**Scan**
repeat	**Repeat entire disc**
title	**Repeat title**
track	**Repeat track**
chapter	**Repeat chapter**
A-	**Repeat from A to the end**
A-B	**Repeat from A to B**
	Camera angle
locked	**Child lock enabled**
resume	**Resume playback**
	Illegal action

Status field

The status field shows the current operating mode (status) of the DVD recorder and the type of disc inserted. This display can be disabled.

Disc type symbols

Symbol	Description
RW	**DVD+RW**
DVD+R	**DVD+R**
DVD	**DVD-Video**
VCD	**Video-CD**
no disc	**No disc**
error	**Error**

Operating mode symbols

● rec	**Recording**
■ stop	**Stop**
► play	**Playback**
❚❚ pause	**Playback-Pause**
●❚❚ pause	**Record-Pause**
►► 8x	**Search forwards (8x speed)**
◄◄ 8x	**Search backwards (8x speed)**
▷ slow	**Slow motion**

Tuner information box

This field is located in the bottom left-hand corner of the screen. The aerial signal, the TV channel and the TV channel name for the selected programme are displayed.

Ψ	**Current channel/selected input socket**
Ψx	**No signal** The TV channel is not available/the additional device is not connected or it is switched off
Ψ🔒	**Copy-protected signal**

Timer information box

This box appears above the tuner information box. When a timer recording is set, it shows the timer icon and the start time or date of the first programme to be recorded.
If no timer recording is scheduled, the current time is displayed.
This box disappears during playback of a disc or after a recording starts. However, you can access it during an OTR recording by pressing **SYSTEM-MENU** .

🕒!	**Timer starts on the day/time shown**
🕒→❘	**OTR recording runs until the stop time displayed**
🕒	**Current time** No timer event programmed

On-screen information

7 Playback

General notes on playback
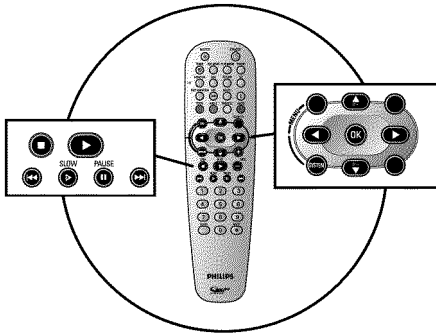
With this DVD recorder you can play back the following systems:
•) DVD Video
•) (Super)Video CD Disc
•) DVD+RW Disc
•) DVD+R Disc
•) DVD-RW (video mode, finalised)
•) DVD-R
•) CD-R
•) CD-RW
•) Audio CD
•) MP3 CD
You can operate the video recorder using the remote control or the buttons on the front of the DVD recorder.

✗ **The display will read 'PIN'**
✓ The child lock has been activated for the inserted disc. Read the sections on 'Child lock' and 'Releasing a disc' in the chapter on 'Access control (child lock).

✗ **The menu on the screen is showing an 'X'**
✓ Some DVD discs can be manufactured so that certain steps are required before the disc can be played, or so that only limited operation is possible during playback. When an 'X' appears on the screen the selected feature is not possible.

✗ **The screen is showing regional code information**
✓ Since DVD films are not normally released in all parts of the world at the same time, all DVD players have a specific regional code. Discs can be given a regional code. If the regional codes differ between the player and the disc, playback is not possible.
✓ The regional code is shown on the label on the back of the machine.
✓ The regional code does not apply to recordable DVD discs.

Problem

Inserting a disc

```
OPENING          P01
```

❶ Press the **OPEN/CLOSE** ⏏ button on the front. The disc tray will open. While the disc tray is opening, '$OPENING$' and then '$TRAY OPEN$' when the tray is fully open.

❷ Carefully place the disc in the tray with the label facing up and press **PLAY** ► or **OPEN/CLOSE** ⏏ . '$CLOSING$' and then '$READING$' will appear in the display. The information on the disc will be read.

How do I insert a double-sided DVD?
Double-sided discs do not have labelling over the whole surface. The labelling for each side is in the centre of the disc. To play a side its label must be facing up.

?

❸ Playback starts automatically.

A menu may appear when a DVD is played back. If the titles and chapters are numbered, press a number button on the remote control. You can also use the ◄ , ► , **P+ ▲** , **P- ▼** buttons or number buttons **0..9** to select a menu item and confirm with **OK** .
You can also access the menu using **DISC-MENU** on the remote control.
For further information see 'Playing a DVD video disc'.

When a DVD+RW is played back the index overview appears. Using **P- ▼** , **P+ ▲** , I◄◄ , ►►I select the title you want to play back.
Confirm with **OK** .
For further information see 'Playing back a DVD+RW/+R Disc'.

If playback does not start automatically, press **PLAY ►** .
For further information see 'Playing an audio CD'.

If the '■' symbol appears in the display, start playback by pressing **PLAY ►** .
If a menu appears on the screen, use the remote control buttons indicated on the screen to select the menu option you want (PREV= I◄◄ , NEXT= ►►I) or with the number buttons **0..9** .
For further information see ' Playing a (Super) Video CD'.

Playing a DVD video disc

```
C01        2:04
▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮
```
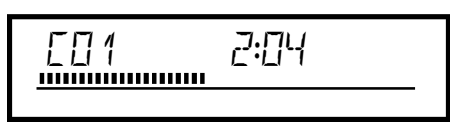
❶ If playback does not start automatically, press **PLAY ►** .
This will appear on the display:
title, chapter, elapsed time.

❷ To stop playback, press **STOP ■** on the remote control or ■ on the DVD recorder.

❸ To eject the disc, press **OPEN/CLOSE ▲** on the front of the DVD recorder.

Playing a DVD+RW/ +R disc

❶ If the disc is write-protected or a finalised DVD+R disc, playback starts automatically.

❷ If playback does not start automatically, use the **P-▼** or **P+▲** button to select the title you want to play on the index screen.
You can also use the |◀◀ or ▶▶| button on the front.

```
CO1 ANNA          PO1
▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪
```

❸ Press the **PLAY ▶** button.
This will appear on the display:
title number, recording quality.

× **I can see the message '*EMPTYDISC*'**
✓ The disc does not contain any recordings.

Problem

---

❹ To stop playback, press **STOP ■** on the remote control or ■ on the DVD recorder.

❺ To eject the disc, press **OPEN/CLOSE ▲** on the front of the DVD recorder.

What should I note when playing back different recording types (qualities)?
The correct recording quality '*M1*, *M2*, *M2x*, *M3*, *M4*, *M6*',*M8*' will automatically be selected during playback.
For more information see the section on 'Selecting the recording type (quality)' in the chapter on 'Manual recording'.

?

Playing an audio CD

You can also use the DVD recorder to play audio CDs

❶ Insert an audio CD. Playback starts automatically.

Audio CD display'
If the TV is on, the audio CD screen appears automatically.

During playback, the current track number and its elapsed playing time will show on the TV screen and on the recorder display.

Tip

---

❷ Stop playback using **STOP ■** . The number of tracks and the total time are displayed.

Playing an MP3 CD

MP3 (MPEG1 Audio Layer-3) files are highly compressed music files. Using this technology the data volume can be compressed by a factor of 10. This means it is possible to record 10 hours of music in CD quality on a single CD-ROM.

When creating MP3 CDs please note the following:
File system: ISO9660
Directory structure: maximum of 8 levels
Formats: *.mp3
Filenames: maximum of 12 characters (8+3)
Maximum of 32 albums, 999 titles
Supported sampling frequencies: 32, 44.1, 48 (kHz). Music with sampling frequencies other than these will be skipped.
Supported bit rates: 32, 64, 96, 128, 192, 256 (kbit/s)
ID3 Tag: Version 1, 1.1. In later versions the directory name is displayed as the album and the filename as the title.

Important notes for playback:
Only the first session of a multi-session CD will play back.

① Insert an MP3 CD. Playback starts automatically.

MP3 CD display

If the TV is on, the MP3 CD screen appears automatically.

During playback, the current track number and its elapsed playing time will show on the TV screen and on the recorder display.
During stopped playback (**STOP ■** button) the numbers of the albums will show on the TV screen and on the display.

Further information on the album, track and artist will also be displayed if included in the ID tag.

Tip

---

② Stop playback using **STOP ■** . The number of albums is displayed in the display.

Additional playback features

Using |◄◄ or ►►| select the next or previous title.

You can also use the **T/C** button to select titles and albums.
① Press the **T/C** button and use the ► or ◄ button to select the 'T' symbol for title or 'C' for chapter.
② Use the **P-▼** or **P+▲** buttons or the number buttons **0..9** on the remote control to select the number of the title/chapter.

You can also use the repeat functions (**PLAY MODE** button).

Tip

Playback

Playing a (Super) Video CD

(Super) Video CDs may be equipped with PBC (Play Back Control). This means that special playback functions (menus) can be directly selected. The video CD must be PBC compatible (see CD case).

'PBC' is active in the default settings.

1   Insert a (Super) Video CD.
        If the '■' symbol appears in the display, start playback by pressing **PLAY ►** .

2   If a menu appears on the screen, use the remote control buttons indicated on the screen to select the menu option you want (PREV= ◄◄ , NEXT= ►►|) or with the number buttons **0..9** .
        If a PBC menu consists of a list of titles, you can select a title directly.

3   Use **RETURN** to go back to the previous menu

4   Stop playback using **STOP ■** .

8

Additonal playback features

Changing to another title/chapter

If there is more than one title or chapter on a disc you can change to another title or chapter as follows. However if there are several chapters within a title, these will be selected. The title can then still be selected via the menu bar.

❶ During playback, press ▶▶I to go to the next title/chapter. Press I◀◀ to return to the start of the current title/chapter. Press I◀◀ twice to return to the start of the previous title/chapter.

Use the T/C (title/chapter) button

❶ Press **T/C** (title/chapter) and then use **P+ ▲** or **P- ▼** to select the appropriate title.
Make sure the symbol 'T' (title) is selected in the menu bar.

❷ Use **T/C** to select chapters within a title. Press **T/C** and use ▶ to select the 'C' symbol (chapter).
Now select the appropriate chapter with **P+ ▲** or **P- ▼** .

Tip

Searching a disc

You can search the disc for a recording at 4x, 8x or 32x playback speed. Other speeds can only be selected via the menu bar ('▶▶').

❶ During playback, press and hold I◀◀ (reverse) or ▶▶I (forwards) to switch to the search feature. You can switch between the playback speeds using I◀◀ / ▶▶I .

❷ To continue playback, press **PLAY ▶** twice at your chosen location.

× No sound
✓ The sound is switched off in search mode. This is not a fault in your machine.

Problem

Search feature via menu bar

❶ During playback press **SYSTEM-MENU** on the remote control. The menu bar will appear at the top of the screen.

❷ Select the '▶▶' symbol using ▶ or ◀ and confirm with **P- ▼** .

❸ You can now use the ◀ or ▶ button to select different forward and backward search speeds.

❹ If necessary, switch the menu bar off with the **SYSTEM-MENU** button.

❺ To continue playback, press **PLAY ▶** twice.

Tip

Still picture
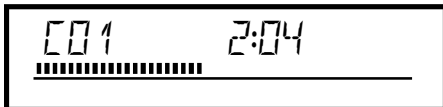
➊ During playback, press **PAUSE II** to stop playback and display a still picture.

```
[01        2:04
▪▪▪▪▪▪▪▪▪▪▪▪▪▪
```

> **Frame advance via menu bar**
> ➊ During a still picture press **SYSTEM-MENU** on the remote control. The menu bar will appear at the top of the screen.
> ➋ Select the '◀☐▶' symbol using ▶ or ◀ and confirm with **P-▼** .
> ➌ You can now use the ◀ or ▶ button to go forwards or backwards one frame at a time.
> ➍ If necessary, switch the menu bar off with the **SYSTEM-MENU** button. **Tip**

➋ To continue playback, press **PLAY ▶** .

Slow motion

➊ During playback press **PAUSE II** on the remote control. Now hold down ◀◀ or ▶▶ to switch to slow motion.

➋ You can switch between different speeds using ◀◀ or ▶▶ .

> **Slow motion via menu bar**
> ➊ During playback press **PAUSE II** and then **SYSTEM-MENU** on the remote control. The menu bar will appear at the top of the screen.
> ➋ Select the '▶' symbol using ▶ or ◀ and confirm with **P-▼** .
> ➌ You can now use the ◀ or ▶ button to select different forward and backward slow motion speeds.
> ➍ If necessary, switch the menu bar off with the **SYSTEM-MENU** button. **Tip**

➌ To continue playback, press **PLAY ▶** twice.

Search by time

Using this feature you can select where playback should start (select elapsed time).

➊ During playback press **SYSTEM-MENU** on the remote control. The menu bar will appear at the top of the screen.

➋ Select the '⊕' symbol using ▶ or ◀ and confirm with **P-▼** . Playback is stopped and a box appears on the screen showing the elapsed time.

3 Enter the start time with the digit keys **0..9** from where playback should start.

4 Confirm with **OK** .

✗ __The time entered will flash on the screen__
✓ The selected title is shorter than the time entered. Enter a new time or cancel the function by pressing **SYSTEM-MENU** .

Problem

---

5 Playback starts at the time you entered.

Repeat/Shuffle play

You can mark entire sections or the whole disc for endless playback. Depending on the type of disc (DVD video, DVD+RW, video CD) you can select a chapter, title or the entire disc.

1 Select the desired chapter, title or the entire disc and start playback.

2 During playback, press **PLAY MODE** . By pressing **PLAY MODE** again you can chose from the following options:
•) ' chapter ↻ ': repeat chapter (DVD only)
•) ' title ↻ ': repeat track/title
•) ' repeat ↻ ': repeat entire disc (Video CD, Audio CD only)
•) ' shuffle ↻ ': Shuffle
•) Display disappears: no repeat

3 To end the repeat, press the **STOP ■** button.
You can also keep pressing the **PLAY MODE** button until the displays disappear.

Repeating a passage (A-B)

You can repeat a particular passage within a title/chapter. You need to indicate the start and end of the passage.

1 During playback press **PAUSE II** at the start point.
You will see a still picture.

2 Keep pressing **PLAY MODE** until ' A- ↻ ' appears on the screen.
The start point is now saved.
Press **PLAY ►** to start playback.

3 When the end point is reached press **OK** . ' A-B ↻ ' appears on the TV screen. Playback now takes place within these points.

4 To end the repeat, press the **STOP ■** button.
You can also keep pressing the **PLAY MODE** button until the displays disappear.

Additonal playback features

Scan feature

This feature plays back the first 10 seconds of each chapter (DVD) or track (CD).

1 During playback, press **PLAY MODE** . Select '⎯scan⎯' using **PLAY MODE** .

2 After 10 seconds the DVD recorder switches to the next chapter/index. To start playback at the relevant chapter/index press **STOP ■** and then **PLAY ►** .

Camera angle

If a DVD contains scenes that have been shot from different camera angles you can select these camera angles for playback.

1 During playback, press **PAUSE II** . You will see a still picture.

2 Press **SYSTEM-MENU** and select the '📹' icon using **►** .

✗ The '📹' symbol will be hidden
✓ The selected scene has been shot from only one camera angle. This feature is therefore not available. For more information please read the cover of your DVD disc.

Problem

---

3 Select the required camera angle with **P- ▼** or **P+ ▲** . You can also directly enter the number with the number buttons **0..9** .

4 After a short time, playback will resume from the new camera angle. The '📹' symbol will remain visible until a scene starts for which there is only one camera angle.

Zoom feature

The Zoom feature allows you to enlarge the video image and pan through the enlarged image.

1 During playback, press **ZOOM** . The DVD recorder switches to 'PAUSE'. You will see a still picture.

2 Select the required zoom factor using **P- ▼** or **P+ ▲** .

3 When '*press OK to pan*' appears on the screen, the zoom process is complete.

4 Press **OK** . Using **P+ ▲** , **P- ▼** , **►** , **◄** select the part of the image you wish to view.

5 Confirm with **OK** .

6 To stop the feature, press **PLAY ►** and then **SYSTEM-MENU** .

Select the audio language

Many pre-recorded DVD discs have more than one audio language. The language initially selected for playback will be the one you selected when you first set up the DVD recorder. However you can change the audio language of the inserted disc at any time.

You can change the audio language either using the menu of the inserted disc (**DISC-MENU** button) or the **AUDIO** button. The audio languages for DVD playback in the two menus may be different. Please note that with some DVDs the audio language and/or subtitle language can be changed only via the DVD menu.

1 During playback press **AUDIO** .

2 Select the required audio language using **P-▼** or **P+▲** . You can also enter the number directly using the number buttons **0..9** .

3 Play continues in the new audio language.

Subtitles

Many pre-recorded DVD discs have more than one subtitle language. The language initially selected for playback will be the one you selected when you first set up the DVD recorder. However you can change the subtitle language of the inserted disc at any time.

You can change the subtitle language either using the menu of the inserted disc (**DISC-MENU** button) or the **SUBTITLE** button. The subtitle languages in the menus may differ.

1 During playback press **SUBTITLE** .
Select the required subtitle language using **P-▼** or **P+▲** . You can also enter the number directly using the number buttons **0..9** .
You can switch off subtitles again with **0** or by pressing '*off*'.

2 Playback continues in the new subtitle language.

Additonal playback features

9 Disc Manager (DM)

General information
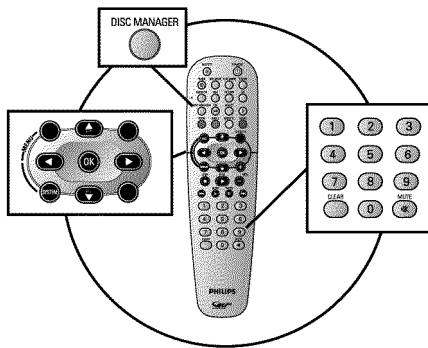
The 'Disc Manager' is an integrated database in the DVD recorder that remembers all recordings made by this DVD recorder. This gives you a complete overview of your entire video collection at the touch of a button. The Disc Manager gives you quick and easy access to every recording **made with this DVD recorder**. The Disc Manager also tells you which film was recorded on which disc and how many unrecorded minutes remain on the discs.
And: You can go automatically to the beginning of the selected recording and start playback.

How many discs can I save in the Disc Manager?
You can store up to 999 discs on this DVD recorder. The maximum number of titles is more than 9,000. The maximum number of titles per disc is 49.

?

Caution when recording with other DVD recorders
Don't use a disc stored in the Disc Manager for recording on other DVD recorders. If you use a disc to record on another DVD recorder, then this disc will no longer be recognised by the Disc Manager. In this case, delete the disc from the Disc Manager's memory and then add it after it has been recorded.

Adding 'child-proof discs'
If you want to add child-proof discs you need to enter the PIN code.

Tip

Adding a disc to the Disc Manager

You can only add DVD+RW or DVD+R discs to the Disc Manager since other discs do not hold any information on the titles or lengths of the recordings. These discs have to be at least once recorded in the DVD-Recorder. A table of content have to be available.
DVD+R discs can also be finalised. Other discs cannot be added to the Disc Manager.

Recordings are saved automatically
On a disc that has been added to the Disc Manager, you can make new recordings as often as you like using this DVD recorder. The titles of these recordings will be stored in the Disc Manager automatically.

Tip

➊ Insert a DVD+RW/+R disc in the DVD recorder.

	Disc Manager
Find title	C04
Browse discs	Disc number001
Remove a disc	Disc number001
Add current disc	Next free disc number= 001

To exit press DM
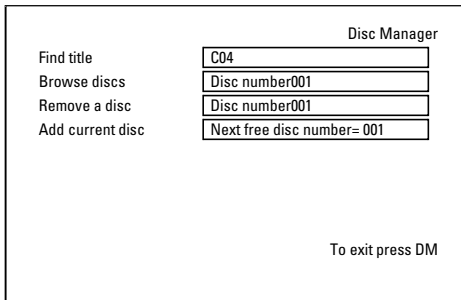
˟ When I insert a disc I see a number on the screen in the title overview in the top left-hand corner

✓ You have inserted a disc that has already been registered by the Disc Manager.

Problem

2 Press the **DISC MANAGER** button on the remote control.

3 Select '*Add current disc*' using **P+ ▲** or **P- ▼** and confirm with ▶ .

4 Confirm with **OK** .
The disc number will be added to the Disc Manager. This will appear on the screen:

5 The disc number is then displayed and the disc tray opens automatically.

6 The disc is now stored in the Disc Manager under the displayed disc number.
Please write this number on the disc and on the cover.

Why do I need to label the discs?

When searching for unrecorded free space or available recordings, you will asked to insert the appropriate discs (disc numbers).

?

---

7 To end, press **DISC MANAGER** .

The DVD recorder will immediately recognise that this disc is saved in the Disc Manager. When this disc is inserted the disc number will appear in the title overview in the top left-hand corner.

Removing discs from the Disc Manager

Every DVD+RW/+R is stored with a number in the Disc Manager (DM). You can remove this disc number from the Disc Manager to use the Disc Manager's memory for new discs or to remove damaged discs from memory.

1 Press **DISC MANAGER** on the remote control.

2 Select '*Remove a disc*' using **P+ ▲** or **P- ▼** and confirm with ▶ .

3 Select the disc number with **P+ ▲** or **P- ▼** and confirm with **OK** .

Disc contents are not deleted.

The disc is only removed from the Disc Manager's memory. Its contents remain unchanged.

Tip

	Disc Manager
Find title	C04
Browse discs	Disc number001
Remove a disc	Disc number001
Add current disc	Next free disc number= 001

To exit press DM

4 To end, press **DISC MANAGER** .
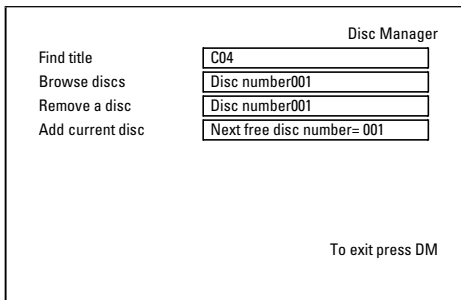
Searching for a title in the Disc Manager

This function can be used to quickly and easily find and play back a recording saved in the Disc Manager.

1 Press **DISC MANAGER** on the remote control.

2 Select '*Find title*' using **P- ▼** or **P+ ▲** and confirm with **▶** .

```
                              Disc Manager
 Find title          Title      Date      Duration
                     Charly 1   01/01/03  0:28




                                          Page1/1
                     To select title press OK
```
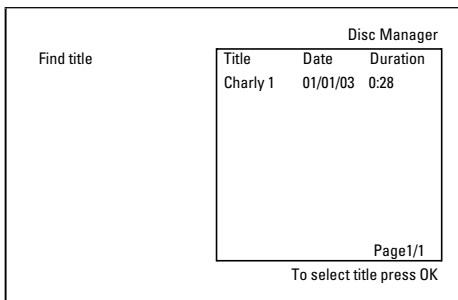
3 A list of the titles of all recordings stored in the Disc Manager (DM) will appear on the TV screen.

> **What do the displays on the screen mean?**
> '*Title*' = Title
> '*Date*' = Date of the recording
> '*Duration*' = Length of the recording
>
> **Tip**

4 Select the title that you want to play back with **P- ▼** or **P+ ▲** .

5 Confirm with **▶** . The DVD recorder will jump to the start of the selected recording.

> ✗ **I see the message '*Insert disc number*' on my screen**
> ✓ The selected recording is located on the Disc Manager disc with the displayed disc number. Please insert the appropriate disc. After a brief check, the DVD recorder will jump to the start of the selected recording.
>
> **Problem**

Searching discs

You can easily search for the title of a recording stored in the Disc Manager. To do this, the appropriate disc does not have to be in the DVD recorder.

❶ Press **DISC MANAGER** on the remote control.

❷ Select '*Browse discs*' using **P-▼** or **P+▲** .

❸ Confirm with **▶** . The screen will show the contents of the last Disc Manager disc used.

```
                                    Disc Manager

Browse discs          Disc number      001

                      Title        Date        Duration
                      Charly 1     01/01/03    0:28




                                              Page1/1
                      To select title press OK
```

❹ Use **P+▲** or **P-▼** to select a different disc number if necessary and confirm with **▶** .
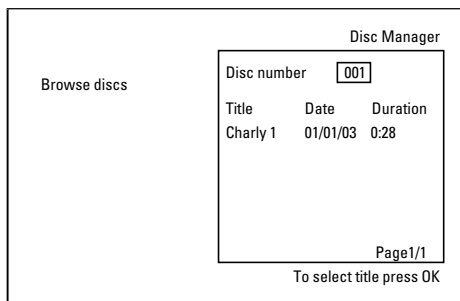
What do the displays on the screen mean?
'*Title*' = Title
'*Date*' = Date of the recording
'*Duration*' = Length of the recording

?

❺ Press **P+▲** or **P-▼** to select the desired title.

❻ Confirm with **OK** .

✗ I see the message '*Insert disc number*' on my screen
✓ The selected recording is located on the Disc Manager disc with the displayed disc number. Please insert the appropriate disc.

Problem

❼ The DVD recorder searches for the start of the appropriate recording.

Searching for a blank section

You can search for space for a new recording on the disc (at least 1 minute of blank space), for example at the end of existing recordings.

This only works with discs which have already been stored in the Disc Manager.

1   Press **DISC MANAGER** on the remote control.

2   Select '*Browse discs*' using **P+ ▲** or **P- ▼** .

3   Confirm with **OK** . A list of the recordings on the disc you have selected will appear on the TV screen.

4   Use **P+ ▲** or **P- ▼** to select a disc (disc number) on which there is enough space for the recording.

> **How can I see how much space is available for the recording?**
>
> The space available is designated as '*Empty*'. The time is displayed next to the title '*Empty*'. You can use the **REC MODE** button to change the recording mode (recording time).
>
> **How can I choose the titlel '*Empty*' if there were many recordings on the disc?**
>
> In this case press ▶ and then select with **P- ▼** , **P+ ▲** the title '*Empty*'.

?

```
                                    Disc Manager

                           Disc number    001
    Browse discs
                           Title      Date       Duration
                           Charly 1   01/01/03   0:28




                                              Page1/1
                           To select title press OK
```
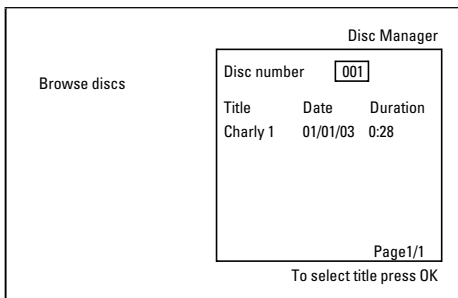
5   Select the title '*Empty*' with **P+ ▲** or **P- ▼** .

6   Confirm with **OK** .

> ✗ **I see the message '*Insert disc number*' on the screen.**
> ✓ The blank space is located on the Disc Manager disc with the displayed disc number. Please insert the appropriate disc.

Problem

The DVD recorder rewinds to the beginning of that particular part and automatically switches to Stop.

10 Manual recording

General
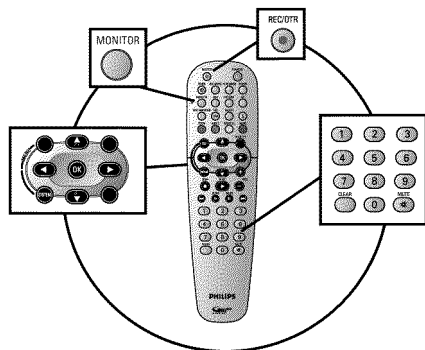
Which discs can I use for recording?

With this DVD recorder, you can record on two types of DVD:

DVD+RW

This disc can be written to and then the contents deleted.

DVD+R

This type of disc can only be recorded once.

If you want to play this DVD in a DVD player it must be finalized using the '*Finalise disc*' function. It is not possible to make further recordings using this disc.

If this disc is to be played in a DVD recorder it must not be finalised. Recordings can be added and deleted. The disc space (playback time) from the deleted recording cannot be recovered for further recordings

?

Use the 'Manual recording' function to spontaneously start recording (e.g. to record a TV show already in progress).

In the 'index display' select the title to be overwritten or '*Empty title*' with **P- ▼** , **P+ ▲** .

If you insert recordings between existing recordings, check the lengths of the old and new recordings. If the new recording is too long the subsequent recording (title/chapter) will be overwritten.

Insert new recordings at the end of all existing recordings (Safe Record)

To add a new recording at the end of the last recording on the disc, hold down the **REC/OTR ●** button until the message '*SAFE REC*' appears on the display.

For DVD+R discs each new recording is always added at the end of all previous recordings as existing recordings cannot be overwritten.

End of disc is reached

If the end of a disc is reached during recording, recording will stop and the Recorder will turn itself off automatically.

Tip

Please refer to section **'Recording without automatic switch-off'**, if you want to manually start and stop your own recording.

If you want to start a recording manually but have it stopped automatically, read the section **'Recording with automatic switch-off'**. (e.g. not to record to the end of the disc)

Read the section **'Automatic recording from a satellite receiver'**, if you want a recording to be controlled automatically by a satellite receiver.

Read the section **'Direct record'** if you want to record a programme currently being shown.

Recording without automatic switch-off

❶ Switch on the TV set and select the programme number for the DVD recorder.

❷ Insert a disc on which the recording is to be made. This disc is then checked for content and system. *READING*' will appear on the display.

ˣ **Index display**
✓ A DVD+RW disc has been inserted that already contains recordings. Use the **P+ ▲** or **P- ▼** button to select the point where the recording is to start.

ˣ **The message '*EMPTYDISC*' appears in the display**
✓ The disc inserted is a blank DVD disc.

ˣ **A dialog box appears asking you whether you want to delete the contents or eject the disc**
✓ The disc inserted is a DVD+RW but its contents are not DVD video-compatible (e.g. a data disc). Recordings on this disc can only be made if the entire disc is first deleted with the **REC/OTR ●** button.

ˣ **The message '*Title limit*' appears on the screen if a recording is to be made**
✓ A disc may contain a maximum of 48 titles (including blank titles). Delete titles or change the disc.

Problem

---

❸ If necessary, use the **MONITOR** button on the remote control to switch to the internal tuner in the DVD recorder.

❹ Use **P+ ▲** or **P- ▼** to select the programme number (station name) you want to record. This will appear on the display:

```
1 FREETITLE  P01
▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪▪
```

Programme numbers of the external inputs:

'*EXT1*'	Scart socket at the back **EXT 1 TO TV-I/O**
'*EXT2*'	Scart socket at the back **EXT 2 AUX-I/O**
'*CAM1*'	Front SVHS/audio sockets **S-VIDEO** / **left AUDIO right**
'*CAM1*'	Front video/audio sockets A/V **S-VIDEO** / **left AUDIO right**

Switching between the **S-VIDEO** and **VIDEO** sockets takes place automatically. If a signal is available at both sockets at the same time, the signal at the **S-VIDEO** socket has priority.

'*CAM2*'	Digital Video (i Link) front socket **DV IN**

Tip

---

❺ To start recording, press **REC/OTR ●** on the remote control or **RECORD** on the DVD recorder.

If you want to start the recording at the end of the existing recordings, hold down the **REC/OTR ●** button until the message '*SAFE REC*' appears on the display.
For DVD+R discs each new recording is always added at the end of all previous recordings as existing recordings cannot be overwritten.
This will, for example, appear in the display:

```
[01    1:16:51    P01
```

Insert chapter markers

During recording you can mark scenes so you can find them or hide them later.

During recording, press **FSS** ✂ at the start point. '***Inserting marker***' appears on the TV screen. In the display, the number of the 'CHAPTER' increases by one.

For further information on titles and chapters, see the section on 'Changing to another title/chapter' in 'Playback'.

Tip

6 Use the **STOP ■** button on the remote control or **■** on the machine to stop the recording. '*MENU UPDT*' will appear on the display. The DVD recorder is writing the list of contents. Wait until the message disappears from the display. The recording is then complete.

✗ **The display will read '*DISC ERR*'**

✓ Recording could not be completed correctly because of a disc error. Check the disc and clean it if necessary.

Problem

Making recordings on DVD+R discs compatible

If you want to play back the recording on a DVD player, you need to finalise the disc in the DVD recorder. You can prepare your DVD for use in a DVD player using the '***Finalising***' feature. See 'Finalising DVD+R discs' in 'Managing the disc contents'.

Tip

Interrupt recording (Pause)

1 During recording press **PAUSE II** , for example to avoid recording the commercials.

2 To continue recording, press **REC/OTR ●** .

End recording

To end the recording, press the **STOP ■** button. Wait until '*MENU UPDT*' disappears from the display.

Tip

Manual recording

Recording with automatic switch-off (OTR one-touch-recording)

1 Insert a disc.

2 If necessary, use the **MONITOR** button on the remote control to switch to the internal tuner in the DVD recorder.

3 Use **P+** ▲ or **P-** ▼ to select the programme number (channel name) you want to record.

4 Press **REC/OTR** ● on the remote control.

5 Each time you press **REC/OTR** ● you will add 30 minutes to the recording time.

> **How can I cancel the recording time I have just entered?**
> To delete an entry, press **CLEAR** while the display shows the recording time.
>
> **How can I check the remaining recording time?**
> Press **SYSTEM-MENU** while an OTR is in progress. The time at which the recording will end will appear on the TV screen in the timer info box.
>
> **?**

Preventing accidental erasing of discs

To ensure you don't accidentally delete a recording you can protect the entire disc. You can only ever protect the entire disc. You cannot protect individual recordings.

> **What happens with DVD+R discs?**
> As long as these discs are not finalised, they can be protected against accidental erasure in the same way as DVD+RW discs.
>
> **?**

1 Insert the disc to be protected.

2 While the index screen is displayed press **STOP** ■ on the remote control. The first title is highlighted.

3 Press **P+** ▲ . This takes you to the disc info screen.

4 Press the ▶ button.
Select the '*Protection*' line.
Confirm with ▶ .

5 Select '***Protected***' with the **P-▼** button and confirm with **OK** .

6 Press **◄** and then **DISC-MENU** to terminate.

The entire disc is now protected.
If an attempt is made to record on a protected disc, '𝐷𝐼𝑆𝐸 𝐿𝑂𝐸𝐾' will appear on the display and '***Disc locked***' will appear on the screen.

If you later decide to record on the disc, follow these steps but select '***Unprotected***' at step **5** . **Tip**

Lining up recordings within a title (assemble cut)

On a recorded DVD+RW disc you can add another recording to an existing title. This recording is added to the title as a 'chapter'. The existing information will be overwritten starting from this point. Titles will also be overwritten that follow the current title depending on the length of the new recording. The recording type (Quality) will be taken from the current title.
To play back this recording, press **SYSTEM-MENU** and use the **▶** button to select the 'C' (Chapter) symbol. You can also use the **T/C** key.

For further information, see 'Changing to another title/chapter' in 'Playback'.

What happens with DVD+R discs?
New recordings on 'DVD+R' discs can only be added after existing recordings.
It is not possible to overwrite existing recordings on 'DVD+R' discs. **?**

1 In the index display, find the title to which the new recording is to be added.

2 Look at the last minute of the old recording (playback)

3 Press **PAUSE II** on the remote control at the position where the new recording is to go. '**II** ' will appear on the screen.

4 To monitor the recording you can press **MONITOR** to switch to the internal tuner.

5 Now start recording as usual by pressing **REC/OTR ●** on the remote control.
The new recording will be inserted.

6 Stop recording with **STOP ■** .

Manual recording

Selecting the recording type (Quality)

You can select the picture quality of the recording using the recording quality feature and hence the maximum recording time per disc.

To check the quality of a recording mode you can make a 'test recording' with the desired recording mode. Check during playback the quality of this 'test recording'.

During playback, the correct picture quality will automatically be selected.

❶   Switch on the TV set. If required, select the programme number for the DVD recorder.

        Select the record mode with the button **REC MODE** on the remote control.

Which recording types can I choose?

'**M1**': High Quality offers the best picture quality and a recording time of 1 hour.

'**M2**': Standard Play (pre-recorded DVD quality) offers standard picture quality and a recording time of 2 hours.

'**M2x**': Standard Play plus (better than S-VHS quality) offers standard picture quality and a recording time of 2.5 hours.

'**M3**': Long Play (S-VHS picture quality). Recording time of 3 hours.

'**M4**': Extended Play (better than VHS picture quality). Recording time of 4 hours.

'**M6**': Super Long Play (VHS picture quality). Recording time of 6 hours.

'**M8**': Super Extended Play (VHS picture quality). Recording time of 8 hours.

Can I select the recording type via a menu as well?

❶   Press the **SYSTEM-MENU** button.
❷   Select '⫟⅄' symbol with ◀ or ▶ .
❸   Select '*Record settings*' using **P-** ▼ or **P+** ▲ and confirm with ▶ .
❹   In the line '*Record mode*' select the recording type with ◀ or ▶ .
❺   Confirm using **OK** and **SYSTEM-MENU** .
❻   If you have selected the recording mode '*M3*', '*M4*', '*M6*' or '*M8*', you can select the '*Stndrd*' (Standard) or '*Sport*' setting (for rapid movements) in the '*Filter mode*' line.   **Tip**

Automatic recording from a satellite receiver (Sat recording)

You can use this function if your own a satellite receiver that can control other devices via a scart cable and a programming function (timer). For more information, please see the operating instructions for the satellite receiver.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Press **SYSTEM-MENU** on the remote control. The menu bar appears.

3 Select '⊤⅄' symbol with ◀ or ▶ .

4 Select '*Record settings*' using **P-**▼ or **P+**▲ and confirm with ▶ .

5 Select '*Sat record*' using **P-**▼ or **P+**▲ .

6 Select '*EXT2*' with ◀ or ▶ .

Switching off 'Sat Recording'
To switch off the function, select '*Off*' using ▶ or ◀ .

Tip

---

7 Confirm with **OK** .

8 Use a scart cable to connect scart socket **EXT 2 AUX-I/O** on the DVD recorder to the corresponding scart socket on the satellite receiver.

9 To end, press **SYSTEM-MENU** .

10 Insert a disc you want to use for recording.

11 Programme the satellite receiver with the required information (programme number of the TV channel, start time, finish time).
If necessary, please see the operating instructions for your satellite receiver.

12 Switch off the DVD recorder using **STANDBY** ⏻ . 'SAT' also appears in the display to indicate that the function is active.

The DVD recorder is now ready to record. The start and end of the recording is controlled via scart cable **EXT 2 AUX-I/O** .

Manual recording

Direct Record

Can you record the right TV channel in seconds when the DVD recorder is switched off? No problem. If recording is started manually, the **switched-off** DVD recorder takes the current TV channel from the TV set via the scart cable.

You will find more information on how to switch 'Direct record' on or off in the next section 'Direct record'.

How does Direct Record work?

The DVD recorder compares the TV channel selected on the TV set with its stored TV channels via the scart cable. If the same TV channel is found, it switches the DVD recorder to the corresponding programme number and starts recording.

Please do not change channel on the TV during the search. This could affect the tuning of the DVD recorder.

?

❶ On the TV set, select the programme number you want make the recording from.

❷ Press **REC/OTR** ⬤ with the DVD recorder **switched off**.

✗ **The display will read 'WAIT'**

✓ The DVD recorder is comparing its saved TV channels with those of the TV set. Please do not change the TV channel on the TV set while 'WAIT' is shown in the display.

✗ **'NOTV' appears in the display**

✓ This TV channel could not be found in the DVD recorder's memory. Check that all TV channels saved on the TV set are available on the DVD recorder. If required, save any missing channels. Please read 'Manual TV channel search' in 'Installing your DVD recorder'.

✓ Check the connectors at both ends of the scart cable.

✓ Check your TV's operating instructions to see which scart socket is used for video signals.

✓ If the problem persists, you won't be able to use this feature.

Problem

❸ Stop recording with **STOP** ◼ .

Switching 'Direct Record' on or off

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Press **SYSTEM-MENU** on the remote control. The menu bar appears.

3 Select '⊤⅄' symbol with ◄ or ► .

4 Select '*Record settings*' using **P-** ▼ or **P+** ▲ and confirm with ► .

5 Select '*Direct Record*' using **P-** ▼ or **P+** ▲ .

6 Select '*On*' (Direct Record on) or '*Off*' (Direct Record off) using ◄ or ► .

7 Confirm with **OK** .

8 To end, press **SYSTEM-MENU** .

9 Switch off with **STANDBY** ⏻ .

Manual recording

Charly 1
00:29:59 • M1
Fri15/02/2003

Empty title
01:30:01

1:15

01
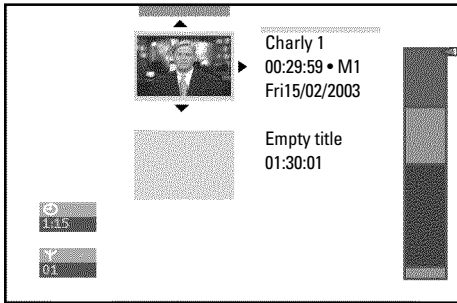
General

When a recording is made to disc, the following additional information is also stored at the beginning of the recording:
•) Name of the recording
If a name has not been assigned to the TV channel, only the programme number and time are stored as the name
•) Length of the recording
•) Record type (Quality)
•) Date of the recording
•) Index picture of the recording

A marker will be set every 5-6 minutes if the '**Auto chapters**' function is activated in the '**Record settings**' menu. This marker is known as a 'chapter'.
These markers can be changed when the recording has finished.

Can markers be set on a DVD+R disc?
Markers can be set on these discs if they have not been finalised.

?

It is also possible to add 'chapters' later. This means that scenes you do not want to see during playback, such as commercials, can be hidden or skipped. During playback you can watch your recording as a continuous sequence without the hidden chapters.

Select from the following chapters:

'Favorite Scene Selection',
to divide the title into chapters or to manage the chapters.

'Editing recording titles (name)',
to change the recording names.

'Play complete title',
to play the entire title including the hidden chapters.

'Delete recording/title'to delete the relevant title and therefore also the recording.

'Disc settings'to change the general settings of the disc.

Favorite Scene Selection

In this menu you can adapt a title to suit your particular needs.
You can insert/delete chapter markers, hide chapters, select a new index, or split up a title.
Press **FSS** ✂ on the remote control during recording to open this menu.

Insert chapter markers

During recording, you can set or delete chapter markers within a title.
The maximum number of chapters per disc is 124 and 99 per title. If one of these limits is reached the following message will appear on the screen: '***Chapter limit***'. You need to delete some markers before you can insert new ones or make recordings.

❶ During playback, press **FSS** ✂ on the remote control at the appropriate point. The '***Favorite Scene Selection***' menu appears on the TV screen.

```
   T    C
   1    1

⊙ ❚❚
RW  pause
0:03:40                      Favorite Scene Selection
0:00:14
       Insert marker          Press OK
       Current chapter        visible
       Delete marker
       Delete all markers
       New index picture
       Divide title
```

❷ Confirm '***Insert marker***' by pressing **OK** . '***Inserting marker***' appears on the TV screen.

'X' will appear on the screen:
This DVD is write-protected or the disc is a finalised DVD-R. Subsequent changes cannot be made.

Tip

❸ To stop this function, press **FSS** ✂ .
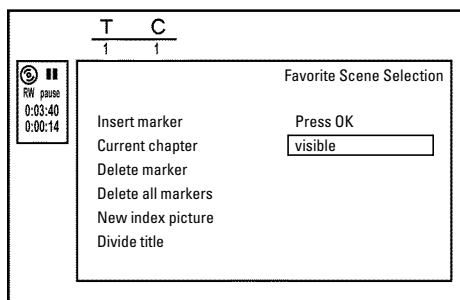
Hiding chapters

Initially, all the chapters are visible. You can hide chapters for playback (e.g. advertisements) or make them visible again. In editing mode, hidden chapters are shown darker.
A chapter always consists of a start marker and an end market.
To hide a certain scene, proceed as follows:

❶ Search the beginning of the scene you want to hide. Press **PAUSE ❚❚** .

```
   T    C
   1    1

⊙ ❚❚
RW  pause
0:03:40                      Favorite Scene Selection
0:00:14
       Insert marker          Press OK
       Current chapter        visible
       Delete marker
       Delete all markers
       New index picture
       Divide title
```

❷ Press **FSS** ✂ on the remote control to call the '***Favorite Scene Selection***' editing menu.

❸ Set the start marker using **OK** .
The number of chapters ('C') in the menu line will increase by one.

❹ Search for the end of the scene. You can also use ▶▶❙ or ❙◀◀ to search faster for the end of the scene.
Make sure that you do not jump into the next title (title number 'T' must not change). Only chapters within a title can be hidden.

❺ Press **PAUSE ❚❚** at the corresponding position.

Managing the disc contents
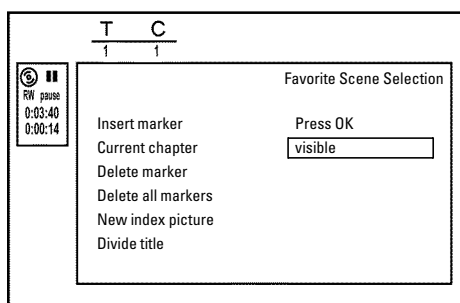
6 Set the end marker with **OK** . This will also be the start marker of the next chapter.
The number of chapters ('C') in the menu line increases by one.

✗ **The number of chapters ('C') has increased by two or more numbers**

✓ This is the case when you want to hide a chapter that, due to automatic chapter numbering (if switched on), stretches over two or more chapters. In this case, you must delete the start of the automatically generated chapter:

❶ Press **T/C** twice while the editing menu is displayed to change the chapter number.

❷ Select the chapter between the new markers using **P-▼** or **P+▲** . Press **PAUSE II** .

❸ Select '*Delete marker*' with **P-▼** to delete the current chapter marker. Confirm with **OK** . The current chapter number decreases by one.

Problem

---

7 Press **T/C** twice to change the chapter number 'C'.

8 Select the previous chapter with **P-▼** , since you are already in the next chapter (end of the chapter is also the beginning of the next chapter).

9 Wait until the chapter has been played and press **PAUSE II** to stop playback.

10 Select '*Current chapter*' using **P-▼** or **P+▲** .

11 Using ▶ select '*hidden*'. The picture is shown darker.

Switching quickly

You can switch between show chapters ('*visible*') and hide chapters ('*hidden*') quickly and easily using **SELECT** .
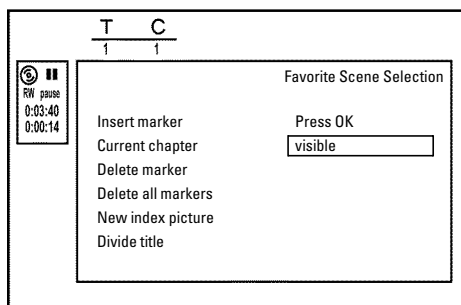This function is independent from the selected line.

Tip

---

12 To end, press **FSS** ✂ .

During playback this chapter will be skipped.
If the chapter is not visible, select '*visible*' in step ❸ with ▶ .

Managing the disc contents

Deleting chapter markers

Within a title you can delete either all markers or individual markers.

```
      T    C
      1    1

 ⊚ ❚❚          Favorite Scene Selection
 RW  pause
 0:03:40
 0:00:14    Insert marker      Press OK
            Current chapter    | visible        |
            Delete marker
            Delete all markers
            New index picture
            Divide title
```

❶ While the relevant chapter is playing, press **FSS** ✂ on the remote control. The '***Favorite Scene Selection***' menu appears on the TV screen.

> **How can I select different chapters?**
> ❶ Press the **T/C** button on the remote control. Titles and chapters are displayed at the top of the screen.
> ❷ Select title (T) or chapter (C) with ▶ or ◀ .
> ❸ Use **P+** ▲ or **P-** ▼ to select the title/chapter channel you want to edit.
>
> **Tip**

❷ Use **P-** ▼ to select either '***Delete marker***' for this chapter or '***Delete all markers***' for all chapters within the selected title.

❸ Confirm with **OK**. (You will be prompted to press **OK** again to make sure you really want to delete all markers. If you do not want to, press the ◀ button.)

❹ To end, press **FSS** ✂ .

Changing the index picture

Normally the first picture of a recording is used as the index picture. You can however choose any picture from the recording as the index picture.
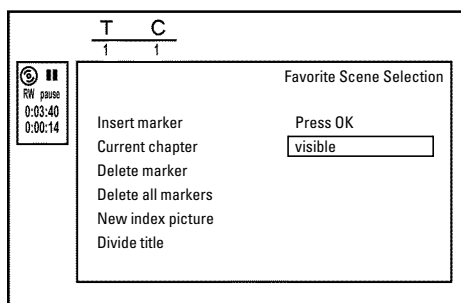
❶ During playback, search for location of the new index picture. Press the **PAUSE II** button.

```
      T    C
      1    1

 ⊚ ❚❚          Favorite Scene Selection
 RW  pause
 0:03:40
 0:00:14    Insert marker      Press OK
            Current chapter    | visible        |
            Delete marker
            Delete all markers
            New index picture
            Divide title
```

❷ Press the **FSS** ✂ button. The '***Favorite Scene Selection***' menu appears on the TV screen.

❸ Select line '***New index picture***' and confirm with **OK** .

❹ Start the change with **OK** . '***Updating menu***' appears on the TV screen.

Once the revision has been completed successfully the DVD recorder reverts to the index overview.
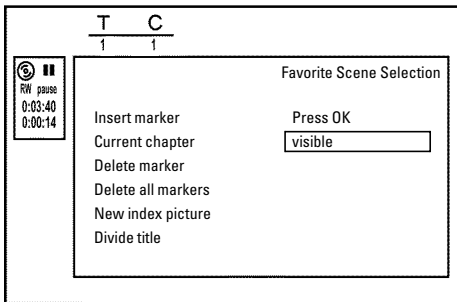
Managing the disc contents

Dividing titles

You can divide a title into several sections (titles) of any size. Each of these sections (titles) is identified by its own index.
Note: This division cannot be undone.

> **Can I divide titles on DVD+R discs?**
> As recordings on DVD+R discs cannot be overwritten, it is not possible to divide titles.

```
        T      C
        1      1

  ⑤ ‖                      Favorite Scene Selection
  RW  pause
  0:03:40
  0:00:14      Insert marker       Press OK
               Current chapter     visible
               Delete marker
               Delete all markers
               New index picture
               Divide title
```
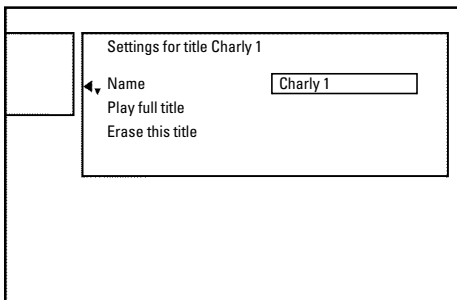
❶   While the relevant title is playing, press **FSS** ✂ on the remote control. The '**Favorite Scene Selection**' menu appears on the TV screen.

❷   Select '**Divide title**' and confirm with the **OK** button.

❸   If you are sure, press **OK** to start the process. '**Dividing title**' appears on the TV screen.

❹   Wait until the new title is displayed with an index picture in the index picture overview.

The process of splitting the title is now complete.

Editing recording titles (name)

Some TV stations transmit the title (name) of a programme. In this case, the name will be included automatically (e.g. 'ROCKY'). Otherwise, the only the programme number (programme name) and the time are stored as the name of the recording. The name of the recording can only be changed after the recording has been completed.

❶   If required, press the **STOP** ■ button to interrupt playback.

```
   Settings for title Charly 1

 ◄▾ Name              Charly 1
    Play full title
    Erase this title
```

❷   Using **P+ ▲** or **P- ▼** select the title whose name you want to edit and confirm with **▶** . The menu for editing names appears.

❸   Select '**Name**' using **P+ ▲** or **P- ▼** and confirm with **▶** .

❹   Using **▶** or **◄** select the position where the letter/number/icon is to be changed/re-entered.

❺   Change the icon using **P+ ▲** or **P- ▼** . You can switch between upper and lowercase using **SELECT** . You can delete the character using **CLEAR** .

❻   Repeat ❹ and ❺ until you have made the changes you want.

7 Save the new name with **OK** . '*Storing name*' appears on the TV screen for confirmation.

8 To end, press ◀ .

Playing the entire title

If you have hidden certain sections (chapters) of a title, this setting lets you watch the entire title including the hidden sections. To do this, proceed as follows:

1 Press the **STOP** ■ button or during playback press **DISC-MENU** .

2 Using **P+** ▲ or **P-** ▼ select the title you want to play all of and confirm with ▶ . The title editing menu will appear.

3 Select '*Play full title*' using **P+** ▲ or **P-** ▼ and confirm with **OK** .

4 Playback starts automatically. The title is played in its entirety - including the hidden chapters.

Settings for title Charly 1

Name   Charly 1
Play full title   Press OK
Erase this title
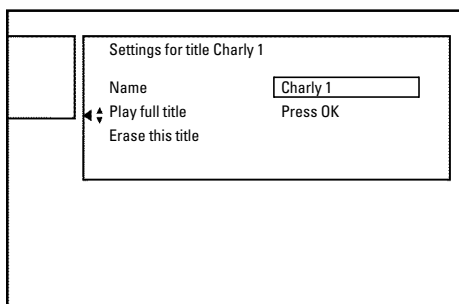
Erasing recordings/titles

You can erase specific recordings from a disc. To do this, proceed as follows:

1 Press the **STOP** ■ button or during playback press **DISC-MENU** .

2 Using **P+** ▲ or **P-** ▼ select the title you want to delete and confirm with ▶ . The title editing menu will appear.

3 Select '*Erase this title*' using **P+** ▲ or **P-** ▼ and confirm with **OK** . '*This will completely erase this title*' appears on the TV screen. '*Press OK to confirm*'.

4 If you want to delete this title, press **OK** to confirm. Otherwise press ◀ .

5 '*Erasing title*' appears on the TV screen.

6 At this point '*Empty title*' appears in the 'index picture display'. A new recording can now be made here.
If the deleted title was very short (less than 1 minute) '*Empty title*' will not appear at this point.

Settings for title Charly 1

Name   Charly 1
Play full title
Erase this title   Press OK
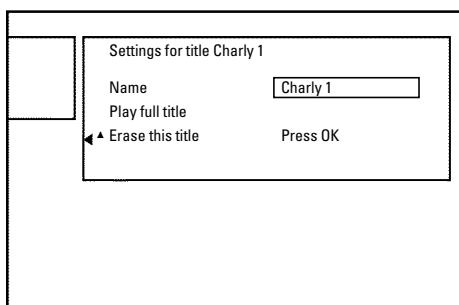
**Can titles be deleted from a DVD+R disc?**

Titles on DVD+R discs are only marked as deleted. '*Deleted title*' will appear in the display instead of '*Empty title*'. During playback the 'deleted' title is skipped. The space used for this title cannot be used again as the title has not been physically deleted. Once the disc has been finalised no further changes can be made.

?

Managing the disc contents

83

Disc settings
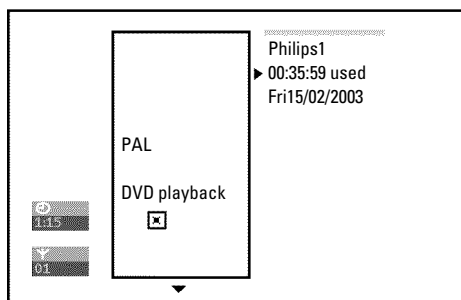
This screen appears **before** the first title and contains general information about the current disc.

You can:
- •) change the name of the disc
- •) activate or deactivate write protection on the disc
- •) Finish editing (make the disc DVD compatible)
- •) finalise a DVD+R
- •) delete a DVD+RW

To get to this display, proceed as follows:

1 Press the **STOP ■** button or during playback press **DISC-MENU** .

2 Select the first title with **P+ ▲** or press **STOP ■** .

3 Press the **P+ ▲** button. The disc info display will appear.

Changing the disc name
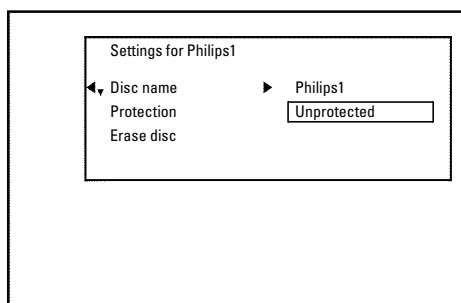
1 In the 'Disc info display' press **▶** . The '***Settings for***' menu appears on the TV screen.

2 Select '***Disc name***' using **P+ ▲** or **P- ▼** and confirm with **▶** .

3 Using **▶** or **◀** select the position where the letter/number/icon is to be changed/re-entered.

4 Change the icon using **P+ ▲** or **P- ▼** . You can switch between upper and lowercase using **SELECT** . You can delete the character using **CLEAR** .

5 Repeat **3** and **4** until you have made the changes you want.

6 Save the new title with **OK** . '***Storing name***' appears on the TV screen for confirmation.

7 To end, press **◀** .

Finishing editing

If one or more titles have been edited a DVD player may still display the original titles. You can prepare your DVD+RW disc in such a way that a DVD player will be able to play the edited version.

❶ In the 'Disc info display' press ▶ . The '***Settings for***' menu appears on the TV screen.

❷ Select '***Make edits compatible***' using **P+ ▲** or **P- ▼** and confirm with **OK** .

> ✗ '***Make edits compatible***' **does not appear**
> ✓ Your disc is already compatible. There is no need for conversion.
>   To end, press **SYSTEM-MENU** .

Problem

❸ The screen displays '***This will take***' to show how long the process will last.

❹ To confirm press **OK** . '***Working***' appears on the TV screen. A bar will move from left to right indicating progress.

Finalising DVD+R discs

This feature is required to play back a DVD+R disc in a DVD player. Once the disc has been finalised no further recordings or changes can be made.

❶ In the 'Disc info display' press ▶ . The '***Settings for***' menu appears on the TV screen.

❷ Select '***Finalise disc***' using **P+ ▲** or **P- ▼** and confirm with **OK** .

> ✗ '***Finalise disc***' **does not appear**
> ✓ Either there is no DVD+R disc inserted or the disc is already finalised.
>   To end, press **SYSTEM-MENU** .
>
> ✗ **The '***Settings for***' menu does not appear**
> ✓ The menu may not appear if the disc has been recorded on another DVD recorder. In this case, use the '***Finalise disc***' feature in the '⊤⅄' menu, under '***Features***'.
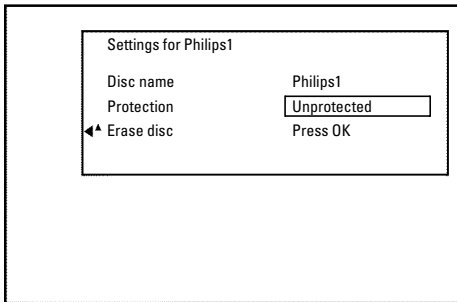
Problem

❸ The screen displays '***This will take***...' to show how long the process will take.

Managing the disc contents

85

4 To confirm press **OK** . '*Working*' appears on the TV screen. A bar will move from left to right indicating progress.

Erase DVD+RW disks

1 In the 'Disc info display' press ▶ . The '*Settings for*' menu appears on the TV screen.

```
Settings for Philips1

Disc name        Philips1
Protection       Unprotected
◀▲ Erase disc    Press OK
```

2 Select '*Erase disc*' using **P+▲** or **P-▼** and confirm with **OK** . '*This will erase all titles*' appears on the TV screen. *Press OK to confirm*'.

3 If you want to delete all the titles, press **OK** to confirm. Otherwise press ◀ .

4 '*Erasing disc*' appears on the TV screen.

5 After deletion, the index picture display shows the free space on the disc.

If the disc is empty already, you cannot select '*Erase disc*'. **Tip**

Managing the disc contents

12 Programming a recording (TIMER)

General
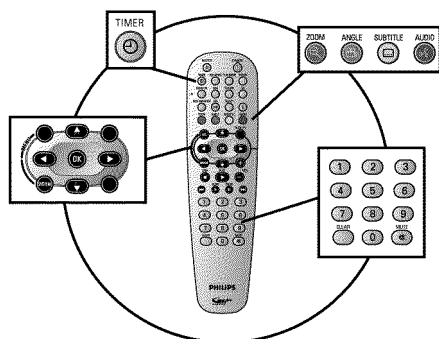
Use 'Programming a recording (TIMER)', to automatically start and stop a recording at a later date.

The DVD recorder will switch to the right programme number and begin recording at the correct time.
On this DVD recorder you can pre-programme up to six recordings and 3 reminders (to watch) within a period of one month.

To make a programmed recording, your DVD recorder needs to know:
* the date you want to make the recording
* the programme number of the TV channel
* the start and stop time of the recording
* VPS or PDC on or off
* the recording mode (quality) ('*M1*/*M2*/*M2x*/*M3*/*M4*/*M6*/*M8*')

This information is saved in a 'TIMER block'.
Before you begin, make sure the clock is set. If the clock is not set, the '*Time/Date*' menu will appear when you press the **TIMER** ⏲ button.

What is 'VPS/PDC'?

'VPS' (Video Programming System)/'PDC' (Programme Delivery Control) are used to control the start and duration of TV channel recordings. If a TV programme starts earlier or ends later than was scheduled, the DVD recorder will then turn on and off at the correct time.

What do I need to know about 'VPS/PDC'?

• You must enter the start time **exactly to the minute**.

  If you want to programme a time that is different from the VPS or PDC time, you must switch off VPS or PDC.

• Only one TV program of a TV channel can be controlled using 'VPS/PDC' at a time. If you want to record two or more TV programmes on a TV channel using 'VPS/PDC', you will need to programme these as two separate recordings.

• Since the DVD recorder requires a certain lead time (for getting the disc up to speed and positioning the laser) before recording can start, it is possible that the recorder will miss the first few seconds of a TV show recorded with VPS/PDC.
  In this case, disable VPS/PDC and enter a start time one minute earlier.

?

Programming a recording (TIMER)

Programming recordings with the GUIDE Plus+® System

The GUIDE Plus+® System has made it even easier to programme recordings. All you have to do is select the show you want to record from a channel listing.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Press **GUIDE/TV** on the remote control.

3 Use **P+ ▲** or **P- ▼** to select the TV station, and ◀ or ▶ to select the show to record.

✗ **I do not see all available TV channels**
✓ Please check your correct channel line up in the '***Editor***' screen. Read therefore the section 'The '***Editor***' screen in the chapter 'The GUIDE Plus+® system.
✓ The GUIDE Plus+® '***Grid***' screen contains only those TV channels that were detected by the GUIDE Plus+® system using a 'channel identification'. TV channels that do not have this 'channel identification' are not available in the GUIDE Plus+® system. Please use 'Manual TIMER programming' to program TV shows of such TV channels.

Problem

4 Confirm using the red function button of the remote control ('***Record***' on the screen).
You can also use **REC/OTR ●** on the remote control or **RECORD** on the DVD recorder.
The TV show is programmed for recording.
Read the information on the screen.

✗ '***Warning, this programme number has not been allocated, please go to Editor to set it.***' **appears on the screen**
✓ The programme number of the TV channel is not available in the GUIDE Plus+® system or allocation is wrong. To change or check the channel data, proceed as follows:
❶ Press **P+ ▲** .
❷ Select '***Editor***' with ▶ .
❸ Select the TV channel using **P- ▼** or **P+ ▲** .
❹ Press ▶ to go to the right tile. In case you can receive the selected channel only via an external receiver, press the red button to select the corresponding source.
❺ Press the green button.
❻ Enter the programme number of the TV channel using the number buttons. If the source you have selected is an external receiver, enter the programme number that you would also enter at the external receiver for this TV channel.

Problem

You can also program TV shows that you just want to watch

Press the green function button ('*Watch*' on the screen) instead of the red.
The TV show is stored in the memory for favourite shows. The line is displayed in a different colour.

Tip

---

5 Repeat steps **3** to **8** , until all recordings have been programmed.

6 To end, press **GUIDE/TV** .

To find out how you can check which shows you have programmed, read the section on 'How to change or delete a programmed recording (TIMER)'.

7 Insert a DVD ready for recording (not locked).
The inserted disk is checked.

8 Search the position on the disc where you want the recording to begin.

9 Switch off the DVD recorder using **STANDBY** ⏻ .
The programmed recording functions only if the DVD recorder has been **switched off** using **STANDBY** ⏻ .

If one or more recordings have been programmed '*TIMER*' will light up on the display.

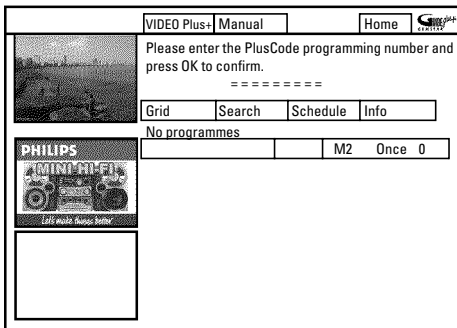# Programming recordings with the VIDEO Plus+® System

Thanks to this programming system, you no longer need to tediously enter the date, programme number, start and finish time. All the information needed by the DVD recorder for programming is contained in the PlusCode programming number. This 9-digit PlusCode number is found in most TV listings magazine.

WARNING!
'Programming with the VIDEO Plus+® system' may not be possible without GUIDE Plus+® data (empty '*Grid*' screen).

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Press **TIMER** ⏱ on the remote control.
The '*Schedule*' screen will appear

3 Press the red function button ('*VIDEO Plus+*').
If this button is not visible in the menu line or without function, no GUIDE Plus+® data is yet available. Therefore, you cannot use programming with the VIDEO Plus+® system yet.

VIDEO Plus+	Manual		Home	

Please enter the PlusCode programming number and press OK to confirm.
= = = = = = = = =

Grid	Search	Schedule	Info

No programmes

			M2	Once	0

PHILIPS
MINI-HI-FI
Let's make things better

4 Enter the entire PlusCode number. This number is up to **9** digits long and can be found next to the start time of the TV programme in your TV listings magazine.
e.g.: **5-234-89** or **5 234 89**
Enter **523489** for the PlusCode number.
Use therefore the number buttons **0..9** on the remote control.
If you make a mistake you can press ◄ or the green action button to go back a position.

5 Confirm with **OK** .

ⅹ '_VIDEO Plus+ system_' appears on the screen

✓ This message appears when the TV channel has not been assigned in the GUIDE Plus+® system yet.
To change channel data, proceed as follows:

1 Press **P+ ▲** .
2 Select '_Editor_' with **►** .
3 Select the TV channel using **P- ▼** or **P+ ▲** .
4 Press **►** to go to the right tile.
In case you can receive the selected channel only via an external receiver, press the red button to select the corresponding source.
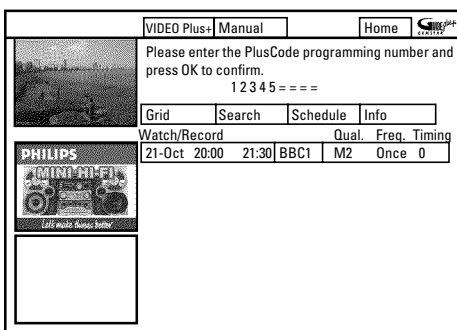**5** Press the green button.
6 Enter the programme number of the TV channel using the number buttons.
If the source you have selected is an external receiver, enter the programme number that you would also enter at the external receiver for this TV channel.
7 Confirm with **OK** .

ⅹ The following message appears on the screen: '_PlusCode number wrong_'

✓ The entered PlusCode number is incorrect. Repeat the entry or end with **TIMER** ⏲ .
✓ Check time/date (see chapter 'Installing your DVD recorder', section 'Setting the time & date').

Problem

VIDEO Plus+	Manual		Home	

Please enter the PlusCode programming number and press OK to confirm.
1 2 3 4 5 = = = =

Grid	Search	Schedule	Info

Watch/Record

			Qual.	Freq.	Timing
21-Oct	20:00	21:30	BBC1	M2	Once	0

PHILIPS
MINI-HI-FI
Let's make things better

6 The decoded data appears after confirmation.
You can use the colour buttons to make the following settings. First, the right tile must be highlighted (► button). Check the functions (descriptions) in the corresponding colour field before pressing a button.

Extending end time

Enter the minutes you want the recording to last longer using the yellow button.

Activate 'VPS/PDC'

Keep pressing the yellow action button until 'VPS/PDC' appears instead of the time.

Setting up repeat recordings

You can choose from the following settings with the green action button:

'_Frequency_':'_Once_': single recordings
'_M-F_': Repeated daily recordings (Monday to Friday).
'_Mon_': Repeated weekly recordings (every week on the same day e.g. Monday).

Entering the recording quality

You can choose from the following settings in the right tile using the red action button: '_M1, M2, M2x, M3, M4, M6, M8_'.

Tip

Programming a recording (TIMER)

7   If all information is correct, press the **OK** button. The data is stored.

8   To end, press **TIMER** ⏱ .

9   Insert a recordable disc (one without write protection).
The inserted disk is checked.

10   Search the position on the disc where the recording should begin.

11   Switch off the DVD recorder using **STANDBY** ⏻ .
The programmed recording functions only if the DVD recorder has
been **switched off** using **STANDBY** ⏻ .

If one or more recordings have been programmed '*TIMER*' will light up on the display.

Programming recordings without the VIDEO Plus+® System

1   Switch on the TV set. If required, select the programme number for
the DVD recorder.

2   Press **TIMER** ⏱ on the remote control.
The '*Schedule*' screen appears

VIDEO Plus+	Manual		Home	
	Schedule displays programmes for Watch or Record. Press ▼ to use. Press the Red button for VIDEO Plus+ recording. Press the Green button for Manual recording. Press ◄ for Search. Press ► for Info.			

PHILIPS
MINI-HI-FI
Let's make things better

Grid	Search	Schedule	Info
No programmes			

3   Press the green button.
The current date will be displayed.

4   Enter the date using the number buttons **0..9**
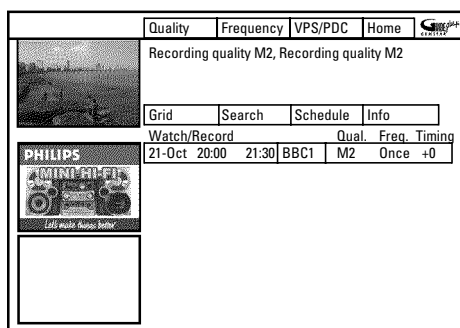
5   Confirm with **OK** .
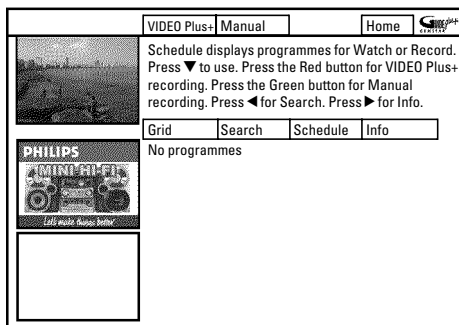
How can I correct wrong entries?

If you have already confirmed the entry with **OK** , you can select one of the
following functions:
Repeat entry: Green colour button
Cancel: Red colour button

?

---

6   Enter the start time for the show using the number buttons **0..9** .
Confirm with **OK** .

7   Enter the finish time for the TV show using the number buttons
0..9 Confirm with **OK** .

Programming a recording (TIMER)

8 Check the data you entered.
If necessary, go back a position to change entered data using the green function button.

9 Enter the programme number of the TV channel using the number buttons **0..9**

Quality	Frequency	VPS/PDC	Home	
Recording quality M2, Recording quality M2				
Grid	Search	Schedule	Info	
Watch/Record		Qual.	Freq.	Timing
21-Oct 20:00 21:30 BBC1		M2	Once	+0

Selecting a TV channel from the listing
You can only use this function if data from the GUIDE Plus+® system is already available.

1 Press the yellow function button. You will see an overview of all channels

2 Select the TV channel you want to program using ◀ , ▶ , **P-▼** , **P+▲** . You can browse back or forth using ▶▶I , I◀◀ .

3 Confirm with **OK** .

Programme numbers of the scart sockets '*EXT1*', '*EXT2*' and the front sockets 'ℭℛℳ1', 'ℭℛℳ2'
You can also program recordings from external sources.

1 Select the corresponding input socket using **P-▼** or **P+▲** . '*EXT1*' (**EXT 1 TO TV-I/O**), '*EXT2*' (**EXT 2 AUX-I/O**), 'ℭℛℳ1' (**S-VIDEO** and **VIDEO**), 'ℭℛℳ2' (**DV IN**).

2 Confirm with **OK** .

Tip

Changes using the colour buttons
You can use the colour function buttons to make the following settings. Make sure that the right tile is selected.

'*Qual.*': Red function button
Select the recording quality

'*Frequency*' : Green function button
'*Once*': single recordings
'*M-F*': Repeated daily recordings (Monday to Friday).
'*Mon*': Repeated weekly recordings (every week on the same day, e.g. Monday).

Activate VPS/PDC ('*Timing*'): Yellow function button
Using this button, you can activate (appears) or deactivate ('VPS/PDC' disappears) 'VPS/PDC' in tile '*Timing*'

Tip

---

10 To find out how you can go back and change the data, read the section on 'How to change or delete a programmed recording (TIMER)'
.

11 Insert a DVD ready for recording (not locked).
The inserted disk is checked.

12 Search the position on the disc where the recording should begin.

13 Switch off the DVD recorder using **STANDBY** ⏻ .
The programmed recording functions only if the DVD recorder has been **switched off** using **STANDBY** ⏻ .

If one or more recordings have been programmed '*TIMER*' will light up on the display.

Programming a recording (TIMER)

How to change or delete a programmed recording (TIMER)

➊ Switch on the TV set. If required, select the programme number for the DVD recorder.

➋ Press **TIMER** ⏲ on the remote control while the DVD recorder is switched on. The '***Schedule***' screen will appear.

Quality	Frequency	VPS/PDC	Home	⌐ᵍᵘⁱᵈᵉ⁺

Recording quality M2, Single recording

Grid	Search	Schedule	Info	
Watch/Record			Qual.	Freq. Timing
21-Oct 20:00 21:30	BBC1		M2	Once +0
21-Oct Matrix			M2	Once 0

PHILIPS
MINI-HI-FI
Let's make things better

➌ Use **P-▼** or **P+▲** to select the programmed recording you want to change or delete.

Depending on the programming method (using GUIDE Plus+® system, with/without VIDEO Plus+® system), it is not possible to carry out certain changes using the function buttons. Therefore, always check the function of the corresponding button (description in the colour field) before pressing the button.

Delete programmed recording

Press the red action button in the left tile.

Changing the TV channel

You can make this change only for recordings that were not set using the '***Grid***' screen.

In the case of recordings using the '***Grid***' screen, centre tile is not available.

➊ Select the centre tile with **▶** .

➋ Press the yellow function button.

➌ Select the TV channel you want using **P-▼** , **P+▲** , **◀** , **▶** .

➍ Confirm with **OK** .

Activate VPS/PDC

Keep pressing the yellow function button in the right tile until 'VPS/PDC' appears in the '***Timing***' line instead of the time.

Prolonging finish time

For manually programmed recordings, you can only perform this change in the left tile using the green function button.

➊ Select the right tile with **▶** .

➋ Select the later time at which the recording is to finish using the yellow function key.

Setting up repeat recordings

You can choose from the following settings in the right tile using the green function button:

'***Frequency***' : '***Once***' : Once recordings

'***M-F***' : Repeated daily recordings (Monday to Friday).

'***Mon***' : Repeated weekly recordings (every week on the same day, e.g. Monday).

Entering recording quality ('*Quality***')**

You can choose one of the following settings in the right tile using the red function button. *M1*, *M2*, *M2x*, *M3*, *M4*, *M6*, *M8*'.

Tip

➍ To end, press **TIMER** ⏲ .

➎ Switch off with **STANDBY** ⏻ .

'NexTView Link'

This DVD recorder is equipped with the 'NexTView Link' feature. If your television is also equipped with 'NexTView', you can mark TV programmes on the television for programming. These TV programmes will automatically be transmitted to a TIMER block on the DVD recorder.
For more information, read the instruction manual of your TV set.

Problem solving for programmed recordings

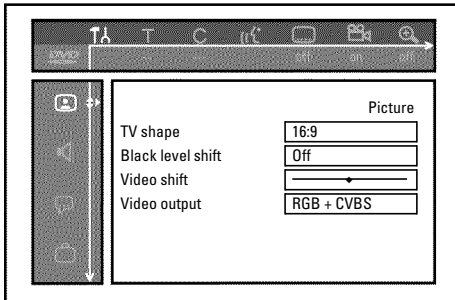| PROBLEM	SOLUTION
The DVD recorder is not responding	✓While a programmed recording is being made, you cannot operate your DVD recorder manually. If you want to cancel the programmed recording, press **STANDBY** ⏻ .
'*Switch off, timer recording*' **flashes on the TV screen.**	✓The DVD recorder was switched on a few minutes before the start of a programmed recording. Switch off the DVD recorder using **STANDBY** ⏻ . A programmed recording (timer) will only function if the DVD recorder is switched off (**STANDBY** ⏻ button).
Error message: '*Insert recordable disc***'**	✓Either a disc has not been inserted or the disc cannot be used for recording. Insert a disc on which recordings can be made. Search the position on the disc where you want the recording to begin. Switch off the DVD recorder using **STANDBY** ⏻ .
The error message '*Disc locked***' appears briefly on the screen.**	✓A write-protected disc has been inserted. Undo the write protection (see 'Preventing accidental erasing of discs' in 'Manual recording') or insert a different disc.

13 User preferences

In this section you will learn how to set your user preferences on the DVD recorder. The symbols have the following meanings:

😃	**Picture setting**
◁	**Sound setting**
💬	**Language setting**
🗂	**Additional settings**
▯	**Remote control settings** Control the DVD recorder using the remote control of your Philips TV set
🗂	**Disc settings**
◉	**Recording settings**
🔧	**Installation**

❶ Switch on the TV set. If required, select the programme number for the DVD recorder.

❷ Press **SYSTEM-MENU** on the remote control. The menu bar appears.

❸ Select 'Ⴕλ' using ◀ or ▶ and confirm with **P- ▼** .

❹ Select the appropriate function with **P- ▼** or **P+ ▲** and confirm with ▶ .

❺ Select the appropriate line using **P- ▼** or **P+ ▲** and confirm with ▶ .

❻ Select the appropriate function using **P- ▼** or **P+ ▲** or the setting with ◀ or ▶ .

❼ Confirm the new setting by pressing **OK** .

❽ To close the menu item, press ◀ .

ENGLISH

Picture settings

You can choose the following features in this menu:

				Picture	
TV shape			16:9		
Black level shift			Off		
Video shift					
Video output			RGB + CVBS		

'*TV shape*'

The picture signal from your DVD Recorder can be set to match your TV screen.

'*4:3 letterbox*':   for a 'wide-screen' picture with black bars at the top and bottom
'*4:3 panscan*':   for a full-height picture with the sides trimmed.
'*16:9*' :   for a wide-screen TV set (screen edge ratio 16:9)

'*Black level shift*'

Adapts the colour dynamics for NTSC playback when switched to '*On*'

'*Video shift*'

Use this feature to adjust the position of the picture on your TV left or right using ◄ , ► to suit your TV set.

'*Video output*'

Since RGB and S-Video signals sometimes use the same connections on a scart cable, the two signals cannot be transmitted simultaneously. With these settings, you can decide whether RGB or S-Video signals should be transmitted. This setting affects only the scart sockets of the DVD recorder (**EXT 1 TO TV-I/O** output socket and **EXT 2 AUX-I/O** input socket).
Please also observe which signals are available at which scart socket of the TV set or how the scart sockets need to be switched.
If necessary, consult the instruction manual of your TV set.

Which settings can I select?

'*RGB + CVBS*' Depending on the TV set you are using, switching between the 'RGB' and the 'Video(CVBS/FBAS)' signal is done automatically. If the picture scrolls to the side or the colour quality is poor on some TV sets when the setting is '*RGB + CVBS*', you must select '*CVBS only*'.

'*S-video only*' Both scart sockets (**EXT 1 TO TV-I/O** output socket and **EXT 2 AUX-I/O** input socket) process only the S-Video signal. In case the scart socket of the TV set is not suitable for S-Video (Y/C) signals, you will only see a black-and-white picture, although the recording will be made in colour. Moreover, only the video (CVBS, FBAS) signal will be used for recordings via the **EXT 1 TO TV-I/O** scart socket. Please observe that when making recordings from a video recorder that transmits only video (CVBS/FBAS) signals through the scart cable, recordings via scart socket **EXT 2 AUX-I/O** may be made in black and white. Therefore, use this setting with caution.

'*CVBS only*' Only the video (CVBS/FBAS) signal is transmitted regardless of the video signals (RGB, Y/C) on the scart sockets. This setting is selected automatically when no 'RGB' or 'S-VIDEO' signal is detected at the scart socket.

When selecting the settings '*S-video only*' or '*CVBS only*', the RGB signal is switched off.

?

Sound settings

Depending on which audio outputs are used, you can select the settings in this menu.

If you only use the analogue audio output (**OUT AUDIO L/R**), select the settings '**Off**' in the '**Digital output**' menu.
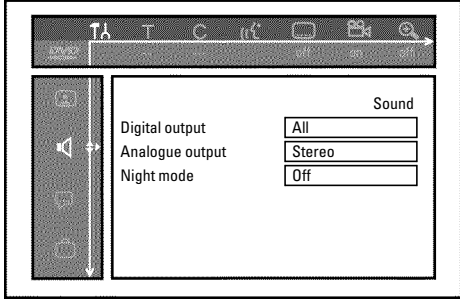
'Digital output'

You can select one of the following settings for devices that are connected to the **COAX OUT** or **OPTICAL AUDIO OUT** sockets:

'**All**': Dolby Digital and DTS signals are fed unaltered to the digital output. MPEG-2 multi-channel signals are converted to PCM (Pulse Code Modulation).
For receivers/amplifiers **with digital multi-channel sound decoders**.

'**PCM only**': Dolby Digital and MPEG-2 multi-channel signals are converted to PCM (Pulse Code Modulation).
For receivers/amplifiers **without digital multi-channel sound decoders**.

'**Off**': Digital output switched off.
For devices **with analogue audio input**.

'Analogue output'

For devices connected to the analogue audio output (**OUT AUDIO L/R**), you can select from the following settings.

'**Stereo**': For devices without DolbySurround or TruSurround. Use this setting if the DVD recorder is only connected to a stereo TV set.

'**Surround**': Dolby Digital and MPEG-2 multi-channel are mixed down to a DOLBY surround-compatible two-channel output signal.
For devices **with Dolby Surround Pro Logic decoder** .

'Night mode'

Night mode optimises the sound for playback at low volume. You are therefore less likely to disturb your neighbours. This only works for Dolby Digital audio on DVD video discs.

Language settings

You can choose the following settings in this menu:
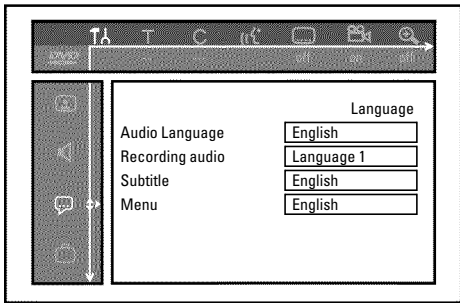
'Audio Language'

Playback audio language

'Recording audio'
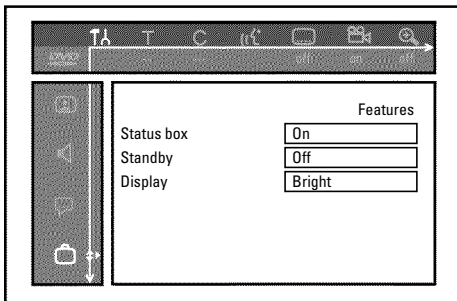
Selection of audio recording for bilingual programmes

'*Subtitle*'

Subtitle language

'*Menu*'

Screen menu language

Additional settings

You can select the following functions in this menu:

'*Status box*'

Along with the on screen menu, the OSD (On Screen Display) also displays information on the current operating status (counter, playback, recording, TV channel, etc.) on the TV screen.
You can switch off the information about the operating status so that the on screen display (OSD) is not recorded during copying.

'*On*': The OSD information appears in every selected mode for a few seconds and disappears again.

'*Off*': The OSD information is switched off. It is **no longer** displayed on the screen.

'*Standby*'

To save power, you can switch off the clock display on the DVD recorder. Programmed (TIMER) recordings will still take place.
In addition, you can present the most important features of the DVD recorder in scrolling text in the display (demo).

'*Low power*': If the DVD-Recorder is switched off (button **STANDBY** ☉), the clock display is also switched off.

'*Off*': If the DVD-Recorder is switched off (button **STANDBY** ☉), the clock display is visible.

'*Demo mode*': If the DVD recorder is switched off with the **STANDBY** ☉ button, a list of the most important features is shown in the display.

'*Display*'

You can change the brightness of the display on the DVD recorder. This setting only affects the DVD recorder when it is switched on.
You can also adjust this setting with the **DIM** button on the remote control.

'*Bright*': The display appears with normal brightness. The disc tray light is switched on.

'*Dimmed*': The display appears less bright. The disc tray light is switched off.

'*Off*': The display and the disc tray light are switched off.

Remote Control settings

In this menu you can set the remote control type to which your DVD recorder should respond.
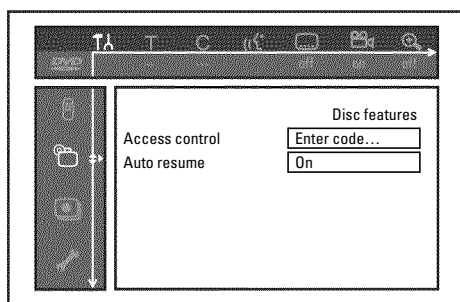
'*DVD player*':   The DVD recorder responds to the supplied remote control and the remote
control of a DVD player (remote control code RC-6).
Choose this setting if your Philips TV remote supports DVD functions.
'*DVD recorder*':   The DVD recorder only responds to the supplied remote control.

Disk feature menu

In this menu you can make the changes that relate to the disc:

'*Access control*'

Please read the next chapter on 'Access control (child lock)'.

'*Auto resume*'

If playback of a pre-recorded DVD video disc or video CD is interrupted (button **STOP** ■ or **OPEN/CLOSE** ▲) when the disc is reloaded (disc is started) playback starts at the precise location where it stopped. This applies not only to the current disc but to the last 20 discs played.
This feature can be switched off if not required.

'*PBC*'

This line appears only if a VCD is loaded.
This function lets you activate or deactivate the PBC menu (Playback Control) for video CDs. See 'Playing a (Super) Video CD'.

'*Finalise disc*'

This feature allows you to finalise DVD+R discs. If the disc has already been finalised this line will appear darker.

'*Adapt disc format*'

If a DVD+RW has been recorded in a computer drive or in another DVD recorder the index screen may not be displayed correctly.
This feature allows you to change the format of the disc.
It is therefore only visible if the disc format is different.

14 Access control (Child Lock)

Child lock (DVD and VCD)

This feature enables discs to be locked for children.
When Child Lock is on, a 4-digit code (PIN) needs to be entered before a disc can be played.
You can also decide whether the inserted disc should always be played or should be played only once, despite the child lock

•)'*Play always*':
This disc is stored in a memory with space for 50 child-safe discs. If more than 50 discs are stored, the last disc in the list is removed and the new disc is added. The screen shows 'Child safe' at the start of playback.
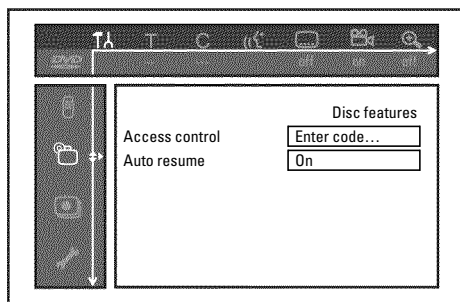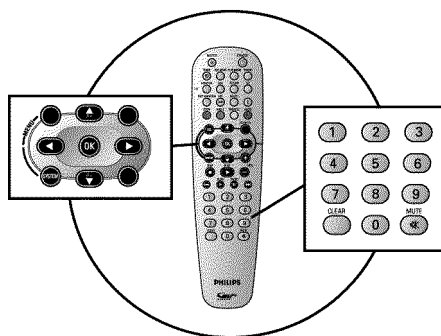
•)'*Play once*':
This disc is only authorised for single playback. If the recorder is switched off, the PIN code must be re-entered.

Activating/deactivating child lock

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** . The menu bar appears

4 Select the '⊤⅄' icon using ◀ or ▶ .

5 Select '⌂(*Disc features*)' using **P-** ▼ or **P+** ▲ and confirm with ▶ .

6 Confirm '*Access control*' using ▶ .

7 Enter a 4-digit code of your choice. If the code is new, you may have to enter the code a second time as confirmation.

8 Select '*Child lock*' using **P+** ▲ or **P-** ▼ and confirm with ▶ .

9 Select the '🔒' icon using **P-** ▼ or **P+** ▲ .

10 Confirm with **OK** .

11 Quit the feature using ◀ and **SYSTEM-MENU** .

Unauthorised discs can only be played by entering the four-digit PIN code.
To deactivate the child lock, select the '🔒' icon in **9** .

	Disc features
Access control	Enter code…
Auto resume	On

Authorising a disc

1 Insert a disc. The access control box will appear after a short delay.

2 Using **P+ ▲** or **P- ▼** select '*Play once*' or '*Play always*'.

3 Enter your PIN code using the number buttons **0..9** .

Double-sided DVDs may have a different ID for each side. For these discs, each side must be authorised. Video CDs may have a different ID for each disc. For these CDs, each disc must be authorised.

Locking unlocked discs

To lock a disc that was formerly authorised follow the instructions below

1 Insert a disc. Playback starts automatically. If the playback does not start automatically, press **PLAY ►** .

2 Press the **STOP ■** button while the '— safe —' icon is visible. The icon changes to '— locked —'. The disc is now locked.


# Parental level control (DVD video only)

Films on pre-recorded DVD discs may contain scenes not suitable for children. Therefore, some discs may contain 'Parental Control' rating information that applies to the entire disc or to certain scenes on the disc.
The appropriate scenes have filter values that reach from 1-8. If such a scene is detected during playback, the filter value set on the DVD recorder is compared to the scene. If the filter value is higher than the setting, an alternative scene will be played (if available).
Most DVDs apply the rating to an entire DVD. Therefore, if certain scenes exceed the rating you select, the entire disc will be blocked from viewing.

Activating/deactivating parental level control

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON ⏻** .

3 Press **SYSTEM-MENU** . The menu bar appears

4 Select the 'Ψ↓' icon using **◄** or **►** .

5 Select '⌐(*Disc features*)' using **P- ▼** or **P+ ▲** and confirm with **►** .

Access control (Child Lock)
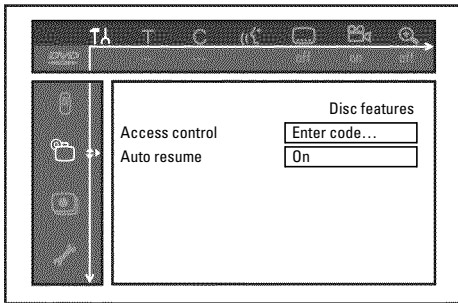
6 Confirm '*Access control*' using ▶ .

7 Enter a 4-digit code of your choice. If the code is new, you may have to enter the code a second time as confirmation.

8 Select the '*Parental level*' using **P+▲** or **P-▼** and confirm with ▶ . A bar appears to select the parental level.

9 Select the appropriate rating using **P-▼** , **P+▲** or the number buttons **0..9** .

| **What do the ratings mean?** |
| Rating 0 (displayed as '--') parental control not active. |
| Rating 1 (suitable for children) |
| Rating 8 (only suitable for adults) |
| **What happens if a DVD scene contains a higher level than the rating set?** |
| If the recorder does not find a suitable alternative, playback will stop and you must enter the four-digit code. |

Tip

10 Confirm with **OK** . Quit using ◀ and **SYSTEM-MENU** .

Changing the country

The set filter values depend on the respective country. It is therefore necessary to enter the country to which these filter values apply.

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** . The menu bar appears

4 Select the 'Tᴧ' icon using ◀ or ▶ .

5 Select line '(*Disc features*)' using **P-▼** or **P+▲** and confirm with ▶ .
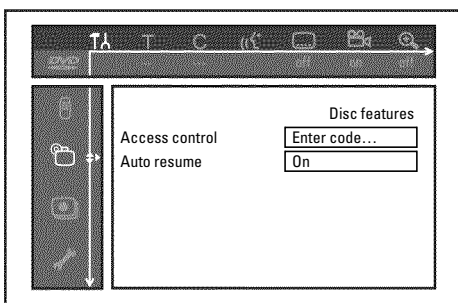
6 Confirm the line '*Access control*' using ▶ .

7 Enter your four-digit code. If the code is new, you may have to enter the code a second time as confirmation.

8 Select '*Change country*' using **P-▼** or **P+▲** and confirm with ▶ .

9 Select the corresponding country using **P+▲** or **P-▼** and confirm with **OK** .

10 To end, press ◀ and then **SYSTEM-MENU** .

Access control (Child Lock)

Changing the PIN code

1 Switch on the TV set. If required, select the programme number for the DVD recorder.

2 Switch on the DVD recorder using **STANDBY-ON** ⏻ .

3 Press **SYSTEM-MENU** . The menu bar appears

4 Select the '⊤⅄' icon using ◄ or ► .

5 Select '▢(*Disc features*)' using **P-** ▼ or **P+** ▲ and confirm with ► .

6 Confirm '*Access control*' using ► .
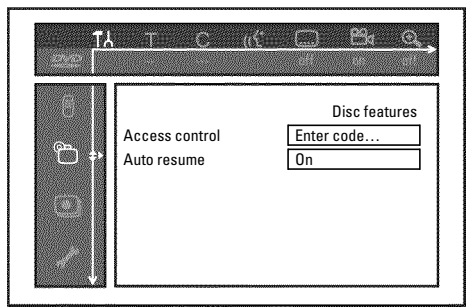
7 Enter your four-digit PIN code. If the code is new, you may have to enter the code a second time as confirmation.

8 Select '*Change code*' using **P+** ▲ or **P-** ▼ and confirm with ► .

9 Enter the new code using the number buttons **0..9** . Enter the same code again as confirmation.

10 Quit using ◄ and **SYSTEM-MENU** .

```
            ⊤⅄   T    C    ((⌇   ▢    ▣    ⊕
DVD                             off  off  off

    ▯                           Disc features
             Access control     Enter code…
    ▢         Auto resume        On
    ▢
    ⌁
```

I have forgotten my code

Press **STOP** ■ four times (step **7**), then press **OK** . Access control is now switched off. You can now enter a new code as described above.

Tip

Access control (Child Lock)

15 Before you call an engineer

If you have any problems using this DVD recorder, the reason may be one of the following. You can also call the **customer service centre** in your country.
The telephone numbers can be found on the back of this instruction manual.
You can also visit our **web page 'http://www.p4c.philips.com'** .
Have the model number (MODEL NO) and the production number (PROD.NO) of your recorder ready.
The production number (PROD. NO.) is printed on the type plate at the back.

PROBLEM	SOLUTION
Your recorder does not respond to any button being pressed and the display shows `'IS TV ON?'`**:**	✓Recorder in initial installation mode: Switch on the TV, switch over to the DVD recorder socket. Now the menu for language selection should appear. Please read paragraph 'Initial Installation' in the chapter 'Installing your DVD Recorder'. The following text should now appear on the screen ''. Please read paragraph 'Initial Installation' in the chapter 'Installing your DVD Recorder'.
The device does not react when you press a button, although the remote control works:	✓'Dealer-Mode' is switched on: All buttons on the front of the set are locked. Switch off the function: ❶ Pull out the mains plug from the wall outlet. ❷ Press and hold down ■ and **OPEN/CLOSE** ⏏ and put back the mains plug into the wall outlet. ❸ As soon as the time or '--:--' appears in the display (ca. 6 - 10 seconds), release ■ and **OPEN/CLOSE** ⏏ .
Your DVD recorder does not respond to any button being pressed:	✓There is no power supply: check the power supply ✓A programmed recording (Timer) is currently being made: If desired, cancel the programmed recording (Timer) with **STANDBY** ⏻ . ✓There is a technical problem: disconnect from the mains power supply for 30 seconds, then connect again. If this doesn't help, you can reset your DVD recorder to the default factory settings.
Resetting the machine to the default factory settings	✓**Important:** All the information stored (TV channels, time and date, TIMER) will be lost. ❶ Disconnect from the mains power supply. ❷ Press and hold down the **STANDBY-ON** ⏻ button on the device and reconnect to the mains power supply. ❸ Release the **STANDBY-ON** ⏻ button when `'IS TV ON?'` appears on the display. All the information stored (TV channels, time and date, TIMER) will be lost. Please read paragraph 'Initial Installation' in the chapter 'Installing your DVD Recorder'.
Remote control does not work:	✓Remote control not pointed toward the DVD recorder: Point the remote control at the machine. See if the 'o(((' appears on the display briefly each time you press a remote control button. If it does, the Recorder is receiving information from the remote correctly. ✓There is a technical problem: Take out the batteries, wait for 10 seconds and put them in again. ✓Batteries are flat: Change the batteries.

PROBLEM	SOLUTION
Data transfer from TV set via 'EASYLINK' does not work:	✓Data transfer is controlled via pin nr. 10 of the scart cable. It is possible that the connection to this pin is interrupted or that the signal is distorted by an additional device connected to the **EXT 2 AUX-I/O** socket. ✓Remove any scart switch boxes, mixing consoles, signal amplifiers, ... connected between the DVD recorder and the TV set. Connect the DVD recorder directly to the TV set. ✓Remove any additional devices from the **EXT 2 AUX-I/O** socket. ✓Try using another scart cable (all pins wired). ✓Please observe the installation order: 1) Switch on the TV set 2) Connect the DVD recorder to the mains 3) Switch on the DVD recorder using **STANDBY** ⏻ 4) The data transfer should now work.
No playback on DVD recorder:	✓There is no recording on the disc: Change disc. ✓You inserted the wrong disc type: Your recorder can play back the following disc types: DVD Video, (Super)Video CD, DVD+R(W), Audio CD, , MP3-CD's ✓You inserted the disc the wrong way: Insert the disc with the label facing upwards ✓Disc is dirty: Clean the disc ✓Wrong region code: The region code of the DVD and the DVD recorder must match. ✓Parental control is on: Read chapter 'Access control (child lock)' ✓You have selected the wrong programme number for the DVD recorder on the TV: on the TV, select the correct programme number for the DVD recorder. ✓The cable connecting the TV set and the DVD recorder has come loose: check the cable.
I cannot playback (Super) Video CDs	✓It is possible that this (Super) Video CD contains a menu and the 'PBC' is switched off. You can see this in status field '*PBC OFF*'. To activate this function, proceed as follows: ❶ Press **SYSTEM-MENU** while the (Super) Video-CD is inserted . ❷ Select '⊺⅄' using ◄ or ► . ❸ Select line '*Features*' using **P- ▼** or **P+ ▲** and confirm with ► . ❹ Select '*On*' in line '*PBC*' using **P- ▼** or **P+ ▲** . ❺ Confirm with **OK** and end with **SYSTEM-MENU** .
Poor playback on DVD recorder: (distorted picture/distorted sound)	✓Your TV set is not properly adjusted. ✓Disc is dirty: Clean the disc ✓Sometimes the picture may be temporarily distorted. This is not a defect of your DVD recorder.
No recording possible:	✓The TV channel you want to record is not stored or you selected the wrong programme number: Check TV channels stored. ✓Disc write-protected (recording protected): Remove write-protection or change the disc. For more information, please see 'Preventing accidental erasing of discs' in chapter 'Manual Recording'. ✓An already finalised DVD+R has been inserted: Change disc.
Programmed recording does not work:	✓You have programmed the wrong time or date: Check time/date. ✓You have not set the TIMER properly: Check the programmed recordings (TIMER block). ✓Locked disc inserted: Remove disc lock. ✓An already finalised DVD+R has been inserted: Change disc. ✓'VPS/PDC' switched on but 'VPS/PDCtime' wrong: 'Enter 'VPS/PDCtime exactly to the minute. Check the aerial.

Before you call an engineer

PROBLEM	SOLUTION
The wrong TV channel was decoded (entered) after you programmed a recording using VIDEO Plus+ System.	✓The programme number of the TV channel is not available in the GUIDE Plus+® system or allocation is wrong. To change or check the channel data, proceed as follows: ❶ Press **GUIDE/TV** . ❷ Press **P+▲** . ❸ Select '*Editor*' with ▶ . ❹ Select the TV channel using **P-▼** or **P+▲** . ❺ Press ▶ to go to the right tile. In case you can receive the selected channel only via an external receiver, press the red button to select the corresponding source. ❻ Press the green button. ❼ Enter the programme number of the TV channel using the number buttons. If the source you have selected is an external receiver, enter the programme number that you would also enter at the external receiver for this TV channel. ❽ Confirm with **OK** .
There is no channel overview in the GUIDE Plus+® system	✓DVD recorder is switched on: Switch off the DVD recorder to allow data transfer ✓The TV channel that transmits the GUIDE Plus+® data is not set properly. ✓External receiver (satellite receiver, set-top box, cable TV box, ...) (if available) is switched off: switch on the external receiver ✓G-LINK cable is not connected: Connect the G-LINK cable and make the necessary settings to control the external receiver (see chapter 'The GUIDE Plus+® system', section 'Installation of the '*External receiver 1*'').
Missing or wrong TV channel in the '*Grid*' screen	✓Wrong local post code/country was entered ✓Please check your correct channel line up in the '*Grid*' screen. Read therefore the section 'The '*Editor*' screen.
When you press GUIDE/TV the GUIDE Plus+® setup screen will appear	✓The GUIDE Plus+® system was not completely installed or local post code was not entered. ❶ Check the settings ❷ Select the corresponding line using **P-▼** or **P+▲** and confirm with **OK** . ❸ For more information on the individual functions, see chapter 'The GUIDE Plus+® system', section 'Installation of the '*External receiver 1*''.
The external receiver does not always react to Remote control signal.	✓The Infrared (IR) Remote control signal interfere with the IR signal of the G-LINK transmitter. Put the G-LINK transmitter closer to the front of the external receiver.
My external receiver switches automatically through the TV channels	✓If the DVD-Recorder is switched off (**STANDBY** ⏻ button) the external receiver will be used from the GUIDE Plus+® system via the DVD-Recorder. If you want to watch TV-Channels from the external receiver, you have to switch the DVD-Recorder on.
There is picture or sound interference on TV reception:	✓Before recording, select the recording mode as described in chapter 'Manual Recording', section 'Selecting the recording mode (quality)'. ✓Have your aerial checked. ✓You will find information on how to change the TV system in 'Manual TV channel search' in 'Installing your DVD recorder'.

PROBLEM	SOLUTION
Distorted sound coming from a connected hi-fi amplifier	✓The DVD recorder is connected to the 'Phono-input' of your amplifier: This socket is provided only for record players without a preamplifier. Select a different audio input.
The picture is distorted or black-and-white during playback	✓The TV system of the disc does not match that of your TV set (PAL/NTSC). ✓The recording can be made in colour only when the TV channels or the connected additional device send a colour signal. Black-and-white signals containing no color information (colour subcarriers) cannot be recorded.
No sound signal at the digital output	✓Check whether the sound settings match the selected inputs and connected additional devices. For more information, see section 'Sound setting' in chapter 'User preferences'.
A DVD+RW disc cannot be played on certain DVD players	✓If a recording is too short, it is possible that a DVD player cannot detect it: Please observe the following 'Minimum recording times': Recording mode '*M1*': 5 minutes, '*M2*': 10 minutes, '*M2x*': 13 minutes, '*M3*': 15 minutes, '*M4*': 20 minutes, '*M6*': 30 minutes, '*M8*': 30minutes, ✓Some DVD players cannot play back DVD+RW recordings. You can solve this problem by using a special function: ❶ Open the disc tray with **OPEN/CLOSE▲** . Insert the disc but do not close the tray. ❷ Hold down the number button **2** on the remote control until the tray closes. The disc is modified. ❸ If this fails to produce the desired result, repeat the procedure using the number button **3** on the remote control. ❹ You can restore the disc to its original condition by pressing **1** . **Warning!** There is a risk that you can no longer play the disc on other DVD players after this procedure. Therefore, apply this function with particular care.
Other disc errors (DVD+RW)	✓If it is impossible to play back a disc, you can try and repair it for new recordings using the following function. This will only prepare the disc for erasing. It will not be erased, however, until the recording has been completed. ❶ Clean the disc ❷ Open the disc tray with **OPEN/CLOSE▲** . Insert the disc but do not close the tray. ❸ Hold down **CLEAR** on the remote control until the tray closes. The disc is prepared for erasing. ❹ Start recording as with an empty disc.

PROBLEM	SOLUTION
Other disc errors (DVD+R), '*Disc contains unknown data*'	✓This message may appear if you instert a disc that was not finalised. DVD+R's that have not been finalised are very sensitive to fingerprints, dust, or dirt. This may cause problems during recording. To use the disc again, follow the next steps ❶ Make sure that the surface of the disc is clean. ❷ Open the disc tray with **OPEN/CLOSE▲** . Insert the defect DVD+R but **do not close the tray**. ❸ Hold down **5** on the remote control until the tray closes. The disc will be read ('*READING*' appears on the display) and the DVD recorder will start the repair process. This may take up to four times as much time as the recording, in which the error occurred. ❹ If the disc is recovered, the index screen will appear. Please observe the following: Error during recording: The title may be missing. Error while changing the title/index picture: The original title/index picture may be visible. Error while finalising: The disc appears not to have been finalised.
The index screen flickers when a DVD+R is inserted	✓You can finalise the disc using the following function: ❶ Open the disc tray with **OPEN/CLOSE▲** . Insert the defect DVD+R but **do not close the tray**. ❷ Hold down **4** on the remote control until the tray closes. '*FINALIZE*' appears in the display. Finalising begins. This may take up to three minutes. ❸ If finalising has been successful, the index screen will appear.

PHILIPS NORGE AS
Sandstuveien 70,
PO Box 1, Manglerud
N-0612 Oslo
NORWAY
Phone: 2274 8250

OY PHILIPS AB
Sinikalliontie 3,
02630 Espo
Helsinki
FINLAND
puh. (09) 6158 0250

PHILIPS KUNDTJÄNST
Kollbygatan 7,
Akalla,
16485 Stockholm
SWEDEN
Phone: 08-5985 2250

PHILIPS POLSKA
AL. Jerozolimskie 195B
02-222 Warszawa
POLSKA
Tel.: (022)-571-0-571

PHILIPS SERVICE
V Mezihori 2
180 00 Prage
CZECH REPUBLIC
Phone: (02)-3309 330

PHILIPS Iberia, S.A.
C/Martinez Villergas, 49
28027 MADRID
SPAIN
Phone: 902-113 384

PHILIPS
Philips Austria GmbH
Triesterstrasse 64
1101 Wien
AUSTRIA
Tel: 0810 00 12 03

PHILIPS INFO CENTER
Alexanderstrasse 1
20099 Hamburg
GERMANY
Tel: 0180-535 6767

SERVICE CONSOMMATEURS PHILIPS
BP 0101
75622 Paris Cédex 13
FRANCE
Phone: 0825-889 789

PHILIPS ELECTRONICS IRELAND LIMITED
Consumer Information Centre
Newstead, Clonskeagh
DUBLIN 14
Phone: 01-7640292

PHILIPS CONSUMER ELETRONICS
Servizio Consumatori
Via Casati 26
20052 Monza - Milano
ITALY
Phone: 800 820026

PHILIPS MÁRKASZERVIZ
Kinizsi U 30-36
Budapest 1119
HUNGARY
Phone: (01)-382 1700

PHILIPS PORTUGUESA, S.A.
Consumer Information Centre
Rua Dr. António Loureiro Borge, nr. 5
Arquiparque, Miraflores
P-2795 L-A-VEHLA
PORTUGAL
Phone: 352-1-4163063

PHILIPS CE, The Philips Centre,
420 - 430 London Road,
Croydon, Surrey
CR9 3QR
UNITED KINGDOM
Phone: 0870-900-9070

PHILIPS KUNDECENTER
Frederikskaj 6,
DK-1780 København V
DENMARK
Tlf: 808 82814

PHILIPS REPRESENTATION OFFICE
Ul. Usacheva 35a
119048 MOSCOW
RUSSIA
Phone: 095-937 9300

PHILIPS INFO CENTER
Fegistrasse 5
8957 Spreitenbach
SUISSE
Tel.: 0844-800 544

PHILIPS CUSTOMER CARE CENTER
Twee Stationsstraat 80/
80 Rue des Deux Gares
1070 BRUSSEL/BRUXELLES
BELGIUM (for BENELUX)
Tel: 070-222 303

ΦΙΛΙΠΣ ΕΛΛΑΣ ΑΕΒΕ
25ΗΣ ΜΑΡΤΙΟΥ 15
177 78 ΤΑΥΡΟΣ
ΑΘΗΝΑ
Τηλ. 0 0800 3122 1280

PHILIPS CONSUMENTENLIJN
t.a.v. betreffende afdeling
Postbus 102 5600 AC Eindhoven
NETHERLANDS
Phone: 0900-8406

www.philips.com

3103 605 20592
3373/000

DVDR 80/051