

Technical Specification DVDR980

Disc types

	Playback	Recording
DVD+RW	●	●
DVD+R	●	●
DVD-R	●	-
DVD-RW, video mode	●	-
DVD-Video	●	-
Super VCD	●	-
Video CD	●	-
Audio CD	●	-
CD-R	●	-
CD-RW	●	-

DVD+R/RW Disc Format

Capacity	4.7 Gbyte (12cm single-sided)		
Recording time	HQ	60'	9.72 Mbit/s
	SP	120'	5.07 Mbit/s
	LP	180'	3.38 Mbit/s
	EP	240'	2.54 Mbit/s

TV Standard

	PAL/SECAM	NTSC
Scan Frequency	50Hz	60Hz
Number of lines	625	525
Playback	●	●
Recording	●	●
Internal tuner	●	-

Video Format

	DVD, SVCD:	MPEG2
Digital Compression	VCD:	MPEG1
DVD-VIDEO	50Hz	60Hz
DVD+R/RW (HQ/SP)		
Horiz. Resolution	720 pixels ¹	720 pixels ¹
Vertical Resolution	576 lines	480 lines
DVD+RW (LP/EP)	50Hz	60Hz
Horiz. Resolution	360 pixels ²	360 pixels ²
Vertical Resolution	576 lines	480 lines
VCD	50Hz	60Hz
Horiz. Resolution	352 pixels	352 pixels
Vertical Resolution	288 lines	240 lines

¹ equivalent to 500 lines on your TV

² equivalent to 250 lines on your TV

Video Performance

DA Converter	10 bit, 27 MHz
AD Converter	9 bit
Video (CVBS) output	1Vpp into 75 ohm
S-Video (Y/C) output	Y: 1Vpp into 75 ohm C: 0.300 Vpp into 75 ohm
RGB output	0.7 Vpp into 75 ohm

Audio Format Playback Recording

Compressed digital		
• Dolby Digital (AC-3)	5.1-channel	2-channel
• DTS, MPEG2	5.1-channel	16-bit, 48 kHz
• MPEG1	2-channel	-
SPDIF		
• PCM	2-channel	-
	16/20/24 bit	
	48/96 kHz	

Audio Performance

DA Converter	24 bit
AD Converter	16 bit
DVD	f _s 96 kHz 4 Hz - 44 kHz f _s 48 kHz 4 Hz - 22 kHz
Video CD	f _s 44.1 kHz 4 Hz - 20 kHz
Audio CD	f _s 44.1 kHz 4 Hz - 20 kHz
Signal-Noise (1kHz)	105 dB
Dynamic Range (1kHz)	100 dB
Crosstalk (1kHz)	110 dB
Distortion / Noise (1kHz)	90 dB

Front Connections

S-Video Input	Hosiden 4-pin*
Video Input	Cinch (yellow)*
Audio Left/Right Input	Cinch (white/red)*
* gold-plated	

Rear Connections

SCART 1	CVBS, S-Video/RGB
SCART 2	CVBS, S-Video/RGB, decoder
S-Video In	Hosiden 4-pin
S-Video Out	Hosiden 4-pin
Video In	Cinch (yellow)*
Video Out	Cinch (yellow)*
Audio L/R In	Cinch (white/red)*
Audio L/R Out	Cinch (white/red)*
Digital Audio Out	1 coaxial, * 1 optical
• PCM	IEC958
• MPEG, AC-3, DTS	IEC1937
RF Antenna In	Coaxial 75 ohms
RFTV Out	Coaxial 75 ohms
Mains	Standard (IEC type)
* gold-plated	

On-screen display

Languages	English, French, German, Dutch, Spanish, Italian, Swedish,
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Programming

Number of events	6; 1 month; Daily/Weekly
Programming mode	OTR, Remote
Record control and transmitter identification	PDC, VPS
Autom. Sat. Recording	From SCART. 1/2
Timer programming	Manual, ShowView/VIDEO Plus+, nextTVView Link

General Functionality

• 3D sound (SRS TruSurround)	
• Beep Feedback for Remote Control	
• Dim display (3 levels of brightness)	
• Automatic Screen Saver	
• Backup presets & timer:	1 year
• Backup clock:	7 hrs
• Auto clock set	PDC, Text (Time/Date)
• Audio Recording Level	Automatic, Manual
• TV-Related Functions	16:9 (pin 8), Follow TV, Direct Record
Digital Bus Functions:	Cinema Link (pin 10)



Recording functions

- Safe Record
- Direct Record
- One-Touch Record (OTR)
- Station ID and Program Name recording
- Append
- Divide
- Erase
- Automatic/Manual Chapter Marker insertion
- Disc write protection
- Favorite Scene Selection
- Index Picture Screen for instant content overview
- Selectable Index Pictures

Disc playback

- Fast Forward/Backward (3 speeds)
- Step Forward/Backward
- Slow (3 speeds)
- Direct Title /Track access
- Next / Previous Title /Track / Chapter
- Repeat (Chapter /Title /All) or (Track /All)
- A-B Repeat
- Intro Scan
- Time Search
- Zoom (1.33x, 2x, 4x) with picture enhancement
- Auto Resume (20 discs)

Power Supply

Power Inlet:	200-240V, 50/60 Hz
Power consumption	Operation 40W Low-power standby 3W

Cabinet

Dimensions (W x H x D)	435 x 107 x 330 mm
Net Weight	5.5 kg

Remote Control

- Universal remote for control of main TV functions

Package Contents

- DVD Recorder
- Universal Remote Control RC2056 + batteries
- Directions for use
- DVD+RW disc
- AC power cable
- full SCART cable
- Audio cable*
- Video cable*
- S-Video cable*
- Coax RF antenna cable
- * gold-plated

Directions for use

version	/001	/021	/051
Languages	English German French Spanish Italian Dutch	English German Swedish Danish Norwegian Finnish	English

Philips DVD Recorder



- Record from TV in digital quality on ReWritable DVDs
- Copy your favorite camcorder tapes onto DVD for life
- Digital picture and sound quality for the ultimate viewing experience
- Direct access to your recordings, no more winding or rewinding

Picture Quality Features

- **RGB Component Video Input** for the best recording quality from analog sources
- **High-Quality mode** for camcorder copying and additional modes for up to **4 hours recording**

Convenience Features

- **Favorite Scene Selection** for easy editing of your home movies
- **Large display with disc-bar** for instant disc content overview
- **Universal remote control**
- **Sound feedback for remote control**
- **Plays DVD and audio-CD(R/RW)**
- **Recorded discs play on most DVD-Video players**
- **Visual overview to instantly find your recordings**
- **VIDEO Plus+ / ShowView** for easy timer programming



Let's make things better.



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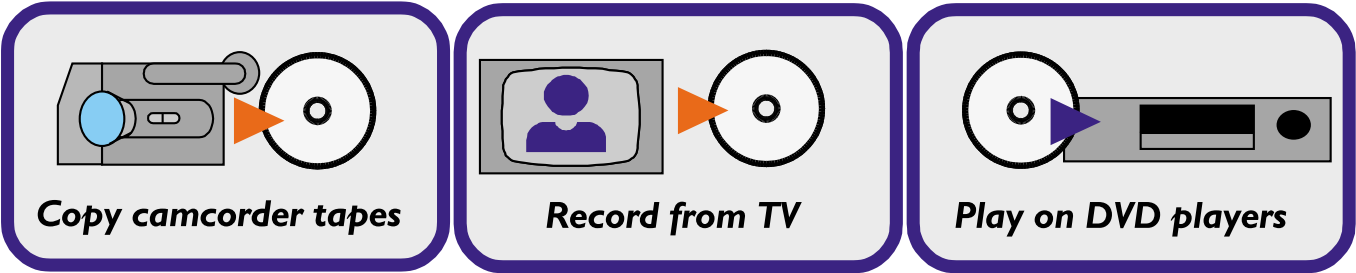
Philips DVD Recorder – the best choice!

Only DVD+RW Recorders are based entirely on the established world-wide DVD Video standard:
No new standard was invented – just the existing standard made recordable. Recordings made on rewritable discs – the most commonly used disk type popular format – are created in real DVD Video format so they instantly play in most DVD Video players. Thanks to a combination of advanced technologies, they deliver outstanding digital picture and sound quality and are easy to use.

Only DVD+RW Recorders:

- 1. Always make compatible* rewritable DVD discs
- 2. Have just one mode of operation: always offering all features while at the same time always compatible
- 3. Always put a helpful visual overview of the recordings on the disc this 'Index Picture Screen' shows an easy to recognize image of every recording and provides easy navigation and instant access, not only when playing the disc on the recorder but also when playing the disc in a DVD Player
- 4. Record on rewritable discs that can play in other DVD Players without finalising
- 5. Give the consumer convenience and ease of use to create picture perfect recordings – no expertise needed!

* DVD+RW discs are fully compatible with most existing DVD players



Monitor Mode

The monitor button on the front panel gives you direct access to the monitor mode, in which you can see the input signal in the way it will be recorded – instantly encoded and decoded again.



Favorite Scene Selection

The DVDR980 features FSS which lets you select only the scenes you want to see, and skip any unwanted scenes. You can view the selection on existing DVD players, too – easy, single-disc, single-device editing.



Universal remote

The DVDR980 comes with a 48-key remote control that gives direct access to the most used DVD functions. As a universal remote, it can control TV sets of hundreds of brands.



Disc bar

The display of the DVD recorder contains a special section of over 120 segments to give an accurate representation of the disc contents, the play/recording position and mode.



VU meters

When manual record volume control is selected, the display will automatically show VU meters to adjust the volume correctly.

One-Touch Record

Simply pressing the REC/OTR key will start a recording. The end time of the recording can be conveniently set by pressing the OTR key more times. If 'Direct Record' is activated, the DVD Video Recorder will automatically look up the channel to which the TV set is tuned and record from the same channel.



Gold Connectors

The DVDR980 is equipped with gold cinch connectors that guarantee perfect contact in order to maintain perfect audio/video signal quality.



Rec volume control

The DVDR980 offers a choice of automatic and manual recording audio volume control.