

Philips DVD Recorder



DVDR 1000

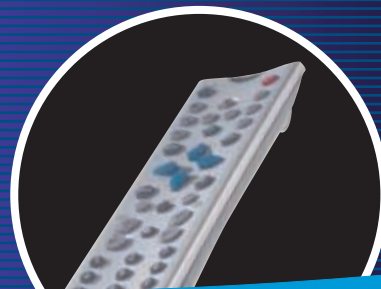
- Record from TV in digital quality on DVD+RW and DVD+R discs
- Copy your favorite camcorder tapes onto DVD for life
- Digital picture and sound quality for the ultimate viewing experience
- Direct access to your recordings, no more winding or rewinding
- Outstanding design, solid metal casing and aluminum front

Picture Quality Features

- **Digital Natural Motion** for razor-sharp, flicker-free and smooth movements
- **Active Control** for constant picture quality across all discs?
- **VGA output** with PAL/NTSC Progressive Scan for DVD+RW/+R
- **Digital connection (i.LINK)** for high-quality copying from digital camcorders
- **RGB Component Video Input** for the best recording quality from analog sources
- High-Quality mode for camcorder copying and additional modes for up to **6 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, MP3 CD 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.



PHILIPS

Only DVD+RW Recorders are based entirely on the established world-wide DVDVideo 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 DVDVideo format so they instantly play in most DVDVideo 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



Technical Specification



Optical Read/Write System

Laser type	Semiconductor AlGaAs
Numerical Aperture	0.60 (DVD) 0.45 (CD)
Wavelength	660 nm (DVD) 780 nm (CD)

Disc Formats Supported

Disc type	Playback	Recording
DVD+RW	●	●
DVD+R	●	●
DVD-Video	●	-
Video CD	●	-
SuperVCD	●	-
Audio CD	●	-
MP3 CD	●	-
CD-R	●	-
CD-RW	●	-

DVD+ReWritable Disc Format

Medium	Phase-Change Rewritable																
Diameter	12cm																
Capacity (single side)	4.7 Gbyte																
Recording time	<table border="1"> <thead> <tr> <th></th> <th>HQ</th> <th>60'</th> <th>9.72 Mbit/s</th> </tr> </thead> <tbody> <tr> <td>SP+</td> <td>150'</td> <td>4.06 Mbit/s</td> <td></td> </tr> <tr> <td>EP</td> <td>240'</td> <td>2.54 Mbit/s</td> <td></td> </tr> <tr> <td>EP+</td> <td>360'</td> <td>1.70 Mbit/s</td> <td></td> </tr> </tbody> </table>		HQ	60'	9.72 Mbit/s	SP+	150'	4.06 Mbit/s		EP	240'	2.54 Mbit/s		EP+	360'	1.70 Mbit/s	
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TV Standard

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

Video Format

Digital Compression	DVD, SVCD: MPEG2 VCD: MPEG1	
DVD-VIDEO	50Hz	60Hz
DVD+RW (HQ/SP+)		
Horiz. Resolution	720 pixels ¹	720 pixels ¹
Vertical Resolution	576 lines	480 lines
DVD+RW (EP/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
AD Converter	9 bit
Signal handling	Components
Video output	1Vpp into 75 ohm
S-Video output	Y: 1Vpp into 75 ohm C: 0.300Vpp into 75 ohm
RGB Output	0.7 Vpp into 75 ohm

Audio Format

Compressed digital	Playback	Recording
• Dolby Digital (AC-3)	Multi-channel	2-channel 16-bit, fs 48 kHz
• DTS	Multi-channel	-
• MPEG1 / MP3	2-channel	-
• MPEG2	Multi-channel	-
Spdif		
• PCM	2-channel 16, 20, 24 bit fs 48, 96 kHz	-

- Analog stereo & Dolby Pro Logic (VCD & downmix from multi-channel sound)
- 3D Sound for virtual 5-channel sound on 2 speakers

Audio Performance

DA Converter	24 bit
AD Converter	16 bit
DVD	fs 96 kHz 4 Hz - 44 kHz fs 48 kHz 4 Hz - 22 kHz
Video CD	fs 44.1 kHz 4 Hz - 20 kHz
Audio CD	fs 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

Reception

Tuner	UHF + VHF + Hyperband
Tuning presets	PLL, Ch/Freq entry, 99
Tuning/Install Features	Guide Channel Mapping, Manual Search/Store, Follow TV
Audio	NICAM, Dual Carrier stereo

Front Connections

i.LINK DV	IEEE 1394 4-pin
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 Input	Hosiden 4-pin
S-Video Output	Hosiden 4-pin
Video Input	Cinch (yellow)*
Video Output	Cinch (yellow)*
Audio Left/Right Input	Cinch (white/red)*
Audio Left/Right Output	Cinch (white/red)*
Digital Audio Output	1 coaxial*, 1 optical IEC958 for CDDA / LPCM IEC1937 for MPEG2, AC-3, DTS
RF Antenna Input	Coaxial 75 ohms
RF TV Output	Coaxial 75 ohms
Mains	Standard (IEC type)
	* gold-plated
VGA Output	15-pin
RGB + Sync Output	BNC
Status	3.5 mm mini-jack

User Interface

OSD Languages	English, French, German, Dutch, Spanish, Italian, Swedish
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Technical Specification



Programming

Number of events	6; 1 month; Daily/Weekly
Programming mode	OTR, Remote
Timer programming	Manual,

General Functionality

3D sound (SRS TruSurround)
Beep Feedback for Remote Control
Dim display (3 levels of brightness)
Backup Presets & Timer Events: 1 year
Backup Clock & Calendar: 7 hrs
Audio Recording Level Automatic, Manual

Disc playback

- Auto Resume (20 discs)
- Play / Stop / Pause
- Fast Forward/Backward (3 speeds)
- Step Forward/Backward
- Slow (3 speeds)
- Title / Track Select
- Next / Previous Title / Track / Chapter
- Repeat (Chapter / Title / All) or (Track / All)
- A-B Repeat
- Intro Scan
- Perfect Still with digital multi-tap filter
- Zoom (1.33x, 2x, 4x) with picture enhancement
- Pan
- Time search

DVD+RW Functionality

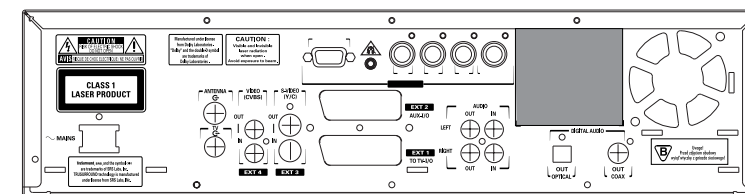
- Direct Record
- One-Touch Record (OTR)
- Station ID and Program Name recording
- Append
- Divide
- Erase
- Automatic/Manual Chapter Marker insertion
- Disc write lock
- Favourite Scene Selection
- Index Picture Screen for instant content overview
- Selectable Index Pictures

DVD-Video Functionality

- Multi-angle Selection
- Audio Selection (1 out of max. 8 languages)
- Subtitles Selection (1 out of max. 32 languages)
- Aspect Ratio conversion (16:9, 4:3 Letterbox, 4:3 Pan Scan)
- Parental Control and Disc Lockout
- Disc Menu support (Title Menu and Root Menu)

MP3 CD Functionality

- Time display (Track)
- MP3 text (ID3 tags) display
- Album and track selection
- Repeat (disc/album/ track)
- Variable Bit Rate of 32-256 kbit/s
- 44.1, 48 kHz sampling rates
- Single session
- Nested directories supported to 8 levels
- Up to 32 album numbers
- Up to 999 tracks



Video CD Functionality

- Playback Control for VCD 2.0 discs
- Parental Control and Disc lockout
- Audio CD Functionality
- Time Display (Total / Track / Remaining Track Time)
- Full audio functionality with remote control

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 110 x 330 mm
Net Weight	8.8 Kg
Front Panel	3mm Aluminium

Remote Control

- Universal remote for control of main TV functions
- Aluminium top
- Hard coated keys
- Dome foil for tactile feedback

Package Contents

- DVD Video Recorder
- Universal Remote Control RC2050 including two R06/AA batteries
- Directions for use in English
- DVD+RW disc
- AC power cable
- full SCART cable
- Audio cable*
- Video cable*
- S-Video cable*
- Coax RF antenna cable
- * gold-plated plugs

Packaging

Colors	black printing on beige box
Languages	English (front) French (rear) Spanish (right) German (left)
Size (W x H x D)	516 x 210 x 400 mm
Gross weight	appr. 10 kg
Buffers	Polypropylene

Optical Read/Write System

LASER	DVD	CD
Semiconductor type	InGaAlP	AlGaAs
Wavelength	660 nm	780 nm
Output power (out of objective)		
• reading	0.8 mW	0.3 mW
• writing	20 mW	
Beam divergence	82 degrees	54 degrees