Philips DVD Recorder

DVDR1500 / 171

DVDR 1500

- *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*
- *Pronto Pro universal remote control with color touch screen*
- *Plays DVD and audio-CD(R/RW)*
- *Recorded discs play on most DVD-Video players*
- *Visual overview to instantly find your recordings*
- *High quality mode for camcorder copying and additional modes for up to 4 hours recording*
- *Progressive scan for razor-sharp, flicker-free picture*
- *Digital connection (i.LINK) for high-quality copying from digital camcorders*
- *Component video input (YP_BP_R) for the best quality recording from analog sources*
- *VCR Plus+ timer programming*

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Technical Specification

DVDR 1500

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
DV+RW	●	●
DVD-R	●	-
DVD-Video	●	-
Video CD	●	-
Super VCD	●	-
Audio CD	●	-
CD-R	●	-
CD-RW	●	-

DVD+ReWritable Disc Format

Medium	Phase-Change Rewritable
Diameter	12cm
Capacity (single side)	4.7 Gbyte

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

Digital Compression DVD, SVCD: MPEG2
VCD: MPEG1

DVD-VIDEO DVD+RW (HQ/SP)	50Hz	60Hz
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
AD Converter	9 bit
Signal handling	Components
Video output	1 Vpp into 75 ohm
S-Video output	Y: 1 Vpp into 75 ohm
	C: 0.286 1Vpp into 75 ohm
Component/Progressive video output (YP_BP_R)	Y: 1 Vpp into 75 ohm
	P_B: 0.7Vpp into 75 ohm
	P_R: 0.7Vpp 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	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	PLL, Channel entry
Tuning/Install Features	Automatic Channel Search,
	Manual Search/Store,
Audio	Stereo, SAP

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

Progressive Video Out	Cinch (green/blue/red)*
Component Video In	Cinch (green/blue/red)*
Component Video Out	Cinch (green/blue/red)*
S-Video In	Hosiden 4-pin
S-Video Out	Hosiden 4-pin
Video In	Cinch (yellow)*
Video Out (2x)	Cinch (yellow)*
Audio L/R In (2x)	Cinch (white/red)*
Audio L/R Out (2x)	Cinch (white/red)*
Digital Audio Out	1 coaxial*, 1 optical
	IEC958 for CDDA / LPCM
	IEC1937 for MPEG2, AC-3, DTS
RF Antenna In	Coaxial 75 ohms
RF TV Out	Coaxial 75 ohms
Mains	Standard (IEC type)

* gold-plated

User Interface

OSD Languages	English, French, Spanish

Technical Specification

DVDR 1500

Programming

Number of events	6; 1 year; Daily/Weekly
Programming mode	OTR, Remote
Timer programming	Manual, VCR Plus+

General Functionality

- 3D sound (SRS TruSurround)
- Beep Feedback for Remote Control
- Backup Presets & Timer Events: 1 year
- Backup Clock & Calendar: 7 hrs
- Time & Date Download
- Automatic/Manual Audio Recording Level Control

Disc playback

- Auto Resume (20 discs)
- Play / Stop / Pause
- Fast Forward/Backward (3-speed)
- 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

- One-Touch Record (OTR)
- Append
- Divide
- Erase
- Automatic/Manual Chapter Marker insertion
- Disc write lock
- Favorite 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)

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)

Power Supply

Mains:	polarised (IEC)
Power supply:	85..150 Vac (117 V nom) 50/60 Hz

Power consumption	Operation	45 W
	Low-power standby	3 W

Cabinet

Dimensions (w x h x d)	435 x 110 x 330 mm
Net Weight	8.5 Kg
Front Panel	3 mm aluminium
Color	black

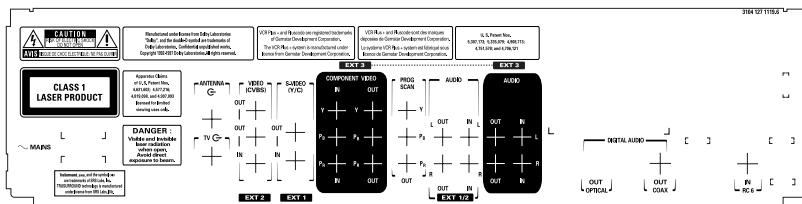## *Pronto Pro* Remote Control

- Universal remote control for home theatre
- Learning
- Colour LCD touch screen
- Rechargeable battery pack
- Docking base
- PC link cable and customization software

Package Contents

- DVD Video Recorder
- Universal Remote Control (see above)
- User Manual in English, French, Spanish.
- DVD+RW disc
- AC power cable
- Stereo audio cable (2x)*
- Video cable*
- S-Video cable*
- Component video cable
- Coax RF antenna cable
  * gold-plated plugs

Packaging

Colors	black printing on beige box
Languages	English (front, top, rear)
	French (left)
	Spanish (right)
Size (W x H x D)	596 x 210 x 400 mm
Gross weight	appr. 10 kg
Buffers	Polypropylene

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Philips DVD Recorder… the Best Choice!

DVDR **1500**

Philips DVD Recorders always make recordings compatible with the DVD video standard, using a combination of several major technologies resulting in outstanding picture quality recording and ease of use.

It is the only recorder which:

1. Always makes compatible* DVD discs
2. Can make (rewritable) recordings **longer than 2 hours** (up to 4 hours) in perfect picture quality (better than VHS)
3. **Uses ONE disc** for all recording types. No confusion with differently recorded discs like compatible and non-compatible discs or finalised and non-finalised discs.
4. Has a helpful **overview with images / titles <u>on</u> the disc** (Index Picture Screen). This is an index of nice snap shots of every recording which provides quick access when playing the disc in DVD Players and DVD Recorders.
5. **Always** uses the **Variable Bite Rate technology** for unbeatable picture quality of compatible recordings.
6. Play in other DVD Players **without finalising** (normally finalising takes up 5 -15 minutes after recording)
7. Gives the consumer **convenience and ease of use** to create picture perfect recordings, no expertise needed!

* Compatible discs *play on most existing DVD players*

Product Highlights

• *Two-way compatibility*
The Philips DVD Video Recorder plays your existing library of pre-recorded DVD and CD discs, while the DVD discs you record play on existing DVD Video players.

• *Naked disc*
With a Philips DVD Video Recorder there is no hassle with disc cartidges – neither for recordable nor for pre-recorded discs.

• *i.LINK*
You can connect DV and D8 camcorders and PCs with digital video editing facilities via the Digital Video input for the best possible video quality.

• *Component Video Input*
With component video you can record analog video at the highest quality level, exceeding not only CVBS but alo S-Video.

• *Disc bar*
The display instantly shows you an overview of the disc contents, the current position and the play mode, so you always know where you are.

• *Index Picture Screen*
The recorder automatically creates a screen menu with an index picture of each recording, so you can immediately see what's on the disc, navigate to the title you want to see, and start to play – or record.

• *Favorite Scene Selection*
With FSS, you can select the scenes you want to see and the DVD Video Recorder will skip the unwanted scenes at your command. You can view the selection on existing DVD players, too. Easy, single-disc, single-device editing.

• *PC compatibility*
The Philips DVD Video Recorder uses the same discs as DVD+RW drives in PCs. What's more, the discs you record will play on existing DVD-ROM drives. And with the right software/hardware package for your PC, you can make sophisticated video edits on your DVD+RW discs.

Let's make things better.

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