

Philips DVD-Video Player DVD Q40



DTS™ and Dolby Digital™ Built-in

- 6-channel analog output for DTS™ and Dolby Digital™
- Dual Laser optical pickup unit for optimum CD-R and CD-RW playback
- Multi-standard video compatibility (NTSC & PAL)
- 96kHz/24 bits audio digital output
- Component, Composite, and S-Video outputs, RGB on scart
- Optical & Coaxial Digital Audio output (PCM / MPEG 2 / Dolby Digital / DTS)
- High Resolution (58x43 pixel) backlit LCD display
- 5 Disc Resume
- Remote Control with Remote Confirm
- Smart Power On/Off
- MP3 CD Playback



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PHILIPS

DVD-Video player



Technical specifications DVD Q40

Playback system

- DVD-Video
- Video CD / SVCD
- CD (CD-R and CD-RW)
- DVD+RW and DVD-R
- MP3 CD

Optical read-out system

- Laser type Semiconductor AlGaAs
- Numerical Aperture 0.60 (DVD)
0.45 (VCD/CD)
- Wavelength 650 nm (DVD)
780 nm (VCD/CD)

DVD disc format

- Medium Optical disc
 - Diameter 12 cm (8 cm)
 - Playing time

One layer	2.15 h ¹
Dual layer	4 h ¹
Two side, single layer	4.30 h ¹
Two side, dual layer	8 h ¹
- (12cm)

TV standard

- | | PAL | NTSC |
|-------------------|---------------------------|--------------|
| • Number of lines | 50 Hz
625 | 60 Hz
525 |
| • Playback | Multi standard (PAL/NTSC) | |

Video format

- D/A converter 27Mhz / 10 bits
- Signal handling Components
- Digital compression MPEG 2 for DVD
MPEG 1 for VCD

DVD	50Hz	60Hz
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines
VCD	50Hz	60Hz
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

Video performance

- Video output 1 Vpp into 75 ohm
- S-Video Output Y: 1 Vpp into 75 ohm
C: 0.3 Vpp into 75 ohm
- YUV output Y: 1 Vpp into 75 ohm
CrCb: 0.7 Vpp into 75 ohm
- Black Level Shift On/off
- Video Shift Left/right

Audio format

- Digital

Mpeg/AC-3/ DTS PCM	Compressed Digital, 16, 20, 24 bits fs, 44.1, 48, 96 kHz
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- Analog sound stereo
- Dolby Pro Logic downmix from Dolby Digital and DTS multi-channel sound
- Full decoding of Dolby Digital and DTS multi-channel surround sound
- 3D sound for virtual 5.1 channel sound on 2 speakers
- MPEG MP3 MPEG Audio L3

Audio performance (typical)

	24 bits	
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
CD:	Fs 44.1 kHz	4 Hz- 20 kHz
SVCD:	Fs 44.1 kHz	4 Hz- 20 kHz
	Fs 48.1 kHz	4 Hz- 22 kHz

- Signal-noise (1kHz) 100 dB
- Dynamic Range (1kHz) 97 dB
- Crosstalk (1kHz) 110 dB
- Distortion/noise (1kHz) 88 dB

Connection

- SCART Euroconnector 1x
- Y Output Cinch (green)
- Pb Output (Cb) Cinch (blue)
- Pr Output (Cr) Cinch (red)
- S-Video output Mini DIN, 4-pins
- Video output Cinch (yellow), 2x
- Audio L+R Output Cinch (white/ red)

6 Channel Analog Output

- Audio Front Left/Right Cinch (white/red)
- Audio Surr. Left/Right Cinch (white/red)
- Audio Centre Cinch (blue)
- Audio Subwoofer Cinch (black)
- Digital Output 1 coaxial, 1 optical
IEC958 for CDDA/LPCM
IEC1937 for MPEG 1/2,
AC-3, DTS

Power supply

- Power inlet 100 V-240V, 50/60 Hz
- Power usage Approx. 23 watt
- Power usage standby less than 3 watt
- Energy Star compliant

Cabinet

- Dimension 435 x 72.5 x 291 mm
(w x h x d)
- Weight Approx. 2.7 kg

Package contents

- DVD-video player
- Remote control with batteries
- AC power cord
- User manual
- Audio cable
- Video cable
- SCART cable (Euro. version only)

General functionality

- Stop/ play/ pause
- Fast forward/ backward
- Time search
- Step forward/ backward
- Slow motion
- Title/ chapter/ track select
- Skip next/ skip previous
- Repeat (Chapter/ title/ all) or (Track/ all)
- A-B repeat
- Shuffle
- Scan
- Enhanced ease of use graphical interface
- Perfect still with digital multi-tap filter
- Zoom (x1.33, x2, x4) with picture enhancement
- 3D sound
- Smart picture
- Screen saver (dim 75% after 15 min.)
- 5.1 Channels user defined speaker settings
- Virtual Jog Shuttle
- Audio and video bit rate indicator
- Beeper

DVD 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 lock
- Disc Menu support (title menu and root menu)
- Resume (5 discs) after stop/ standby
- Programming titles/ chapters with favorite selection

Video CD functionality

- Playback control for VCD 2.0 discs
- Parental Control and Disc lock
- Resume (5 discs) after stop/ standby
- Programming tracks with favorite selection

Audio CD functionality

- Time display (total/ track/ remaining track time)
- Full audio functionality with remote control
- Programming with favorite track selection

¹ Typical playing time for movie with 2 spoken languages and 3 subtitle languages.



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