

Philips DVD-Video Player DVD 612



CD-Rewritable Compatible

- DVD/Video CD/Audio CD/CD-R/CD-RW playback
- Dual Laser Drive for optimum read-out of DVD and CD-discs
- Perfect still picture with multiple zoom factors
- Enhanced Parental Control with Disc Lock
- 5 Disc Resume
- Digital Audio output (PCM/ MPEG 2/ Dolby Digital/ DTS)
- Multi-standard video compatibility (NTSC & PAL)
- TruSurround™ 3D Sound for analog out
- New enhanced graphical user interface
- Audio and video bit rate indicator



Let's make things better.



PHILIPS

DVD-Video player



Technical specifications DVD 612

Playback system

- DVD-Video
- Video CD and SVCD
- CD (CDR and CD-RW)
- DVD+RW

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 60Hz 525
- Playback Multi standard (PAL/ NTSC)

Video format

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

	DVD	50Hz	60Hz
Horiz. resolution	720	720	720
Vertical resolution	pixels ² 576 lines	pixels ² 480 lines	pixels ² 480 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
- 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 (AC-3) multi-channel sound
- 3D sound for virtual 5.1 channel sound on 2 speakers

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
- Video output Clinch (yellow)
- Audio L+R Output Clinch (white/ red)
- Digital Output 1 coaxial,
IEC958 for CDDA/
LPCM
IEC1937 for MPEG 1/2,
AC-3, DTS

Power supply

- Power inlet 230 V, 50 Hz
- Power usage 20 watt
- Power usage standby less than 5 watt

Cabinet

- Dimension 435 x 81 x 295 mm
(w x h x d)
- Weight Approx. 4 kg

Package contents

- DVD-video player
- Remote control with batteries
- User manual
- Audio cable
- Video cable
- Scart cable (euroconnector)

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
- Screen saver (dim 75% after 15 min.)
- 3D sound
- Virtual Jog Shuttle
- Audio and video bit rate indicator

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
- 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.