

Philips DVD-Video player



DVD-Video/CD player

PICTURE QUALITY

- **Smart Picture** : personalised colour settings
- **High quality digital zoom** on play and pause
- **RGB on scart**: highest quality video connection

SOUND QUALITY

- **Digital coaxial audio output**
- **3D sound**: surround sound for stereo systems

GREAT CONVENIENCE

- **Plays DVD, CD, CD-R/CD-RW, VCD, S-VCD and MP3-CD**
- **Disc Lock** for enhanced parental control
- **Disc Resume**: 5 disc bookmark
- **Picture CD**: view Camera Photo CDs (JPG format)



Let's make things better.



PHILIPS



DVD-Video player

Technical specifications DVD 640

Playback system

- DVD-Video
- Video CD (VCD)
- SVCD
- Picture CD
- MP3-CD¹
- CD (CD-R and CD-RW)¹

Optical read-out system

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

DVD disc format

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

One layer	2.15 h ²
Dual layer	4 h ²
Two side, single layer	4.30 h ²
Two side, dual layer	8 h ²

TV standard

PAL **NTSC**

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

Video format

- Digital compression MPEG 2 for DVD, SVCD
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

- RGB output 0.7 Vpp into 75 ohm
- Video output 1 Vpp into 75 ohm

Audio format

- Digital

Mpeg/Dolby Digital/ PCM	Compressed Digital, 16, 20, 24 bits fs, 44.1, 48, 96 kHz
MP3 (ISO 9660)	24, 32, 56, 64, 96, 128, 256 kbps & variable bit rate fs, 16, 22.05, 24, 32, 44.1, 48 kHz

- Analog sound stereo
- Dolby surround compatible downmix from Dolby Digital multi-channel sound
- 3D sound for virtual 5.1 channel sound on 2 speakers

Audio performance (typical)

- D/A converter 24 bits
- | | | |
|---------|-------------|---------------|
| DVD: | Fs 96 kHz | 4 Hz - 22 kHz |
| | Fs 48 kHz | 4 Hz - 22 kHz |
| CD/VCD: | Fs 44.1 kHz | 4 Hz - 22 kHz |
| SVCD: | Fs 48 kHz | 4 Hz - 22 kHz |
| | Fs 44.1 kHz | 4 Hz - 20 kHz |

- Signal-noise (1kHz) 100 dB
- Dynamic Range (1kHz) 80 dB
- Crosstalk (1kHz) 90 dB
- Distortion/noise (1kHz) 85 dB

Connection

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

Power supply

- Power inlet 230V, 50Hz
- Power usage Approx. 20 watt

Cabinet

- Dimension 435 x 71 x 235 mm
(w x h x d)
- Weight Approx. 2.5 kg

Package contents

- DVD-video player
- Remote control with batteries
- User manual
- Audio cable
- Video cable

General functionality

- Stop/ play/ pause
- Fast forward/ backward
- Step forward
- Slow motion
- Title/ chapter/ track select
- Skip next/ skip previous
- Repeat (Chapter/ title/all) or (Track/all)
- A-B repeat
- Zoom
- 3D sound
- Screen saver
- Resume (5 discs) after stop
- Parental control and disc lock (80 disc)
- Programming Titles / chapters or track with Favorite Track Selection (FTS)

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)
- Disc Menu support (title menu and root menu)

Video CD functionality

- Playback control for VCD 2.0 discs

SVCD functionality

- Playback control as per SVCD standard
- Audio Selection (1 out of max. 4 languages)

MP3 functionality

- Time display (Track)
- Album and track selection
- Repeat (disc / album / track)
- Nested directory levels supported to 8 levels
- Max. album numbers possible is 32
- Max. MP3 Tracks Programmable is 99
- Max. Number of Tracks 999

Picture CD

- Playback of JPEG format pictures with 'JPG' or 'JPE' extension filename
- Picture select
- Zoom Flip and rotate pictures
- Nested directory levels supported to 8 levels
- Max. album numbers possible is 32
- Max. MP3 Tracks Programmable is 99
- Max. Number of Tracks 999

¹ Applicable for multi-session finalised disc also.

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

³ Applicable only for DVD, VCD, SVCD discs.