

Multichannel Surround Sound DVD System



Compact Home Cinema

PICTURE QUALITY

- **RGB on scart : highest quality video connection**
- **High quality digital zoom on play and pause**

SOUND QUALITY

- **Dolby Digital and DTS decoder built-in for amazing home theater sound quality**
- **Digital coaxial and optical outputs: highest quality audio connection**
- **1000W (PMPO) system with bass reflex subwoofer**
- **5 wall mountable high clarity satellite speakers**

GREAT CONVENIENCE

- **Plays DVD-Video, VCD, SVCD, MP3-CD, CD-R, CD-RW, CD Audio, Picture CD discs**
- **One Stand for both horizontal / vertical positioning**
- **Picture-CD :Video camera photo's on TV (JPG format)**
- **Total Home Cinema DVD solution**



Let's make things better.



PHILIPS



DVD Home Cinema package

Technical specifications DVD 580HC

Playback system

- DVD-Video
- Video CD (VCD)¹
- SVCD¹
- Picture CD¹
- MP3-CD¹
- CD (CD-R and CD-RW)¹
- DVD+RW

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

- Video output 1 Vpp into 75 ohm
- S-Video output Y: 1 Vpp into 75 ohm
C: 0.3 Vpp into 75 ohm
- Component Video output Y: 1 Vpp into 75 ohm
CR: 0.7 Vpp into 75 ohm
CB: 0.7 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
- Dolby Digital and DTS surround sound outputs from 5.1 channels

Audio performance (typical)

- D/A converter 24 bits
- | | | |
|--------------|-------------|--------------|
| DVD: | Fs 96 kHz | 4 Hz- 44 kHz |
| | Fs 48 kHz | 4 Hz- 22 kHz |
| CD/Video CD: | Fs 44.1 kHz | 4 Hz- 20 kHz |
| SVCD: | Fs 48 kHz | 4 Hz- 22 kHz |
| | Fs 44.1 kHz | 4 Hz- 20 kHz |
- Signal-noise (1kHz) 95 dB
 - Dynamic Range (1kHz) 90 dB
 - Crosstalk (1kHz) 90 dB
 - Distortion/noise 85 dB
 - Satellite Speakers output (PMPO) 100W X 5
 - Subwoofer output (PMPO) 500W
 - Total power output (PMPO) 1000W

Connections

- Scart Euroconnector 1X
- S-Video output Mini DIN, 4 pins
- Video output Cinch (yellow)

6 Channel analog output

- Audio Front L/R Cinch (white/red)
- Audio Surround L/R Cinch (white/red)
- Audio Centre Cinch (yellow)
- Audio Subwoofer Cinch (black)
- 5.1 Channel Audio Mini DIN, 9 pins output
- Digital Output 1 coaxial, 1 optical
IEC958 for CDDA/LPCM
IEC1937 for MPEG1/2, AC-3, DTS

Power supply

- DVD Player 110-240 V, 50, 60 Hz
- Power inlet Approx. 20 watt
- Power usage

Speaker System

- Power inlet 240V, 50Hz
- Power usage Approx. 100 watt

Speaker Cable Length

- Front/Center Spkrs 3m
- Surround Spkrs 5m
- Extension 8m

Cabinet

- DVD Player
 - with stand horizontal 228 x 67.5 x 313 mm
 - with stand vertical 130 x 237 x 313 mm
 - excl. stand 228 x 56 x 296 mm (w x h x d)

- Weight Approx. 2.32 kg

Speaker System

- Dimension
 - Satellite Speakers 90 x 100 x 90 mm
 - Subwoofer 200 x 215 x 300 mm (w x h x d)

- Weight Approx. 7.4 kg

Package contents

- DVD-video player
- Remote control with batteries
- User manual
- Video cable
- Audio cable
- Subwoofer
- Front Satellite Speakers (2pcs)
- Surround Satellite Speakers (2pcs)
- Center Speaker

General functionality

DVD Player

- Stop/ play/ pause
- Fast forward/ backward
- 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
- Parental control
- Programming Titles/ chapters or track with Favorite Track Selection (FTS) -VCD, CD only
- One stand for both horizontal/vertical positioning

Speaker System

- 3 Input Selectors
 - Input 1 - 5.1 channel
 - Input 2 - Stereo (Surround)
 - Input 3 - Stereo (Surround)
- Audio Processor Controls
 - Volume 53 steps @ 1dB per step
 - Treble +12dB @ 1.5dB per step
 - Bass ±12dB @ 1dB per step with ALC (Automatic Level Control)

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)

Picture CD & MP3 CD functionality

- Playback pictures one by one automatically
- Display the picture customer preferred
- Zoom the picture
- Rotate the picture
- Flip the picture vertically or horizontally
- Control the playback speed
- Album and track selection
- Repeat (disc/album/track / picture)

1 Only applicable for single session finalised discs.

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