

Philips DVD-Video Player



With Progressive Scan

PICTURE QUALITY

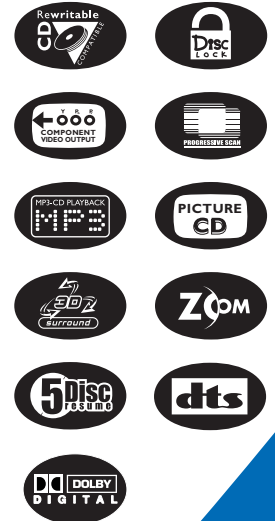
- **3:2 Pull down progressive scan**
- **Parallel component, S-Video & composite video outputs**
- **Digital Zoom with Perfect Still**

SOUND QUALITY

- **Digital coaxial and optical outputs:
highest quality audio connection**
- **96kHz/24bits audio DAC for high quality audio output**
- **3D sound: surround sound for stereo systems**

GREAT CONVENIENCE

- **Plays DVD-Video/VCD/SVCD/MP3-CD/CDR-RW/CD audio**
- **Picture-CD: View Camera Photo CDs**
- **Enhanced Parental Control with 120 Disc Lock**
- **5 Disc Resume**
- **High quality mirror finishing**



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PHILIPS

DVD-Video player



Technical specifications DVD 724AT

Playback system

- DVD-Video
- Video CD (VCD)
- SVCD
- 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 |
| | 50 Hz | 60Hz |
| • Number of lines | 625 | 525 |
| • Playback | 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: 1Vpp into 75 Ohm
C: 0.3Vpp into 75 Ohm
- Component Video output Y 1Vpp into 75 Ohm
CR 0.7Vpp into 75 Ohm
CB 0.7Vpp into 75 Ohm

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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, 112, 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 Fs 48 kHz | 4 Hz - 22 kHz 4 Hz - 22 kHz |
| CD/VCD: | Fs 44.1 kHz | 4 Hz - 22 kHz |
| SVCD: | Fs 48 kHz Fs 44.1 kHz | 4 Hz - 22 kHz 4 Hz - 20 kHz |

- Signal-noise (1kHz) >95 dB
- Dynamic Range (1kHz) >80 dB
- Crosstalk (1kHz) >90 dB
- Distortion/noise (1kHz) >80 dB

Connection

- Component Video out Cinch (Red/Green/Blue)
- S-Video output Mini DIN 4-pins
- Video output Cinch (yellow)
- Audio L+R Output Cinch (white/ red)
- Digital Output 1 coaxial, 1 optical
IEC958 for CDDA/LPCM
IEC1937 for MPEG 1/2, AC-3

Power supply

- Power inlet 110V, 60 Hz
- Power usage Approx. 20 watt

Product

- Dimension 17 x 2.9 x 11.3 inches
(w x h x d)
- Weight Approx. 6.6 lbs

Carton

- Dimension 20.6 x 7.16 x 15 inches
(w x h x d)
- Weight Approx. 9.9 lbs

UPC 0 37849 92187 6

Package contents

- DVD-video player
- Zappa Remote control with batteries
- User's 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
- Scan
- 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

¹ Only Applicable for Single session finalised disc.

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

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