

The Ultimate in Digital Recording

- Records on 4x speed DVD+R write-once media and 2.4x speed on DVD+RW rewritable media
- DVD ReWriter and CD ReWriter in one
- Up to 4.7GB storage on one DVD disc
- High speed CD Recording (16x10x40x)
- Seamless Link Buffer underrun protection
- Compatibility without compromise
- Intelligent & reliable



2-Year Warranty



Internal DVD ReWriter (DVD+R/+RW)



Hardware specifications

Maximum Speeds

- DVD Write: 4x 5.520kB/sec
- DVD ReWrite: 2.4x 3.300kB/sec
- DVD Read: 12x 16.620kB/sec
- CD Write: 16x 2.400kB/sec
- CD ReWrite: 10x 1.500kB/sec
- CD Read: 40x 6.000kB/sec

Interface

- ATAPI / E-IDE (DMA 2)

Buffer

- 2MB

Capacity DVD and CD (120mm)

- DVD+RW, DVD+R 4.7GB
- CD-R/RW 700/650 MByte Type 80/74

Average random access time

- CD <120msec
- DVD <140msec

Compatibility for reading

- All popular CD formats; CD-ROM, CD-ROM XA, CD-Audio, Photo CD, CD-Extra, CD TEXT, CD-Recordable, CD-Rewritable
- DVD-ROM, DVD+R, DVD+RW, DVD-R, DVD-RW.

Compatibility for writing

- CD-R, CD-RW media
- DVD+R, DVD+RW media

Write Modes

- Track at once (TAO), Disc at once (DAO)
- Multi Session (MS), Session At Once (SAO)
- Packet Writing

System requirements OS

- Windows® 98SE, ME, 2000 Professional, XP.
Personalised Interactive installation of the drive

Interactive installation

- Simplify Installation! Unique step-by-step interactive video installation CD shows you the way.
Automatic tuning of your system for optimum performance.

Firmware upgrade

- via Flash Tool (see: www.philips.com/PCstuff)

Command set

- MMC 3 compliant

Minimised dust entry

- Sealed construction to ensure dust free operation

Mounting orientation

- Horizontal or Vertical (Eject button upside)

Media type for writing

- 120mm DVD+RW and DVD+R Media 4.7GB (high quality Philips media recommended)
- 120mm CD-R and CD-RW 74 and 80 min. media (high quality Philips media recommended)
- 8 cm CDs can be used for both CD read and CD write functions (In horizontal position only)

Recording format

- UDF and ISO 9660

Power requirements

- DC 5V/12V. 20W max.

Front Panel

- Tray door, Busy LED indicator
- Eject/Close button, Emergency eject hole.

Rear Panel

- Analogue audio out, Digital audio out, Master/Slave select jumper,
- IDE interface connector, DC power connector.

Operating temperature/Humidity

- 0-45°C / 5-90%RH (No condensation)

MTBF

- 70.000hrs POH operated at 25°C, nom. Voltage and other environmental limits and based on the assumptions:
 - Operating duty cycle 10% of POH
 - Drive is dormant for 90% of POH

Dimensions

- Half height 5.25" form factor
- Width x height x depth (mm): 148 x 42 x 198mm incl. bezel
- Weight: 1Kg



Box Content

- DVDRW416 DVD ReWriter
- How to ... user manual
- CD containing install tool, CD and DVD Recording, DVD authoring, editing and reading software.
- Blank DVD+R and CD-R media.
- Audio cable
- 4 mounting screws



<http://www.philips.com/PCstuff>

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