

Internal DVD ReWriter

The Ultimate in Digital Recording

- DVD ReWriter and CD ReWriter in one
- High speed DVD & CD recording
- Up to 4.7GB storage on one DVD disc
- Intelligent & reliable
- Compatibility without compromise



Microsoft®
Windows®2000
Windows®NT4.0

Microsoft®
Windows Me
Windows 98
Windows 95



Let's make things better.



PHILIPS

Internal DVD ReWriter



Hardware specifications

Speed

- DVD ReWrite: 2.5x (3.3MB/s)
- DVD Read: 8x (up to 10.8MB/s)
- CD Writing: 4x, 8x, 12x (CD-R)
- CD ReWriting: 4x, 8x, 10x (CD-RW)
- CD Read: 32x (Max. CAV)

Interface

- ATAPI / E-IDE

Buffer

- 2MB

System requirements OS

- Windows®95 (OSR2.0 or later), Windows®98, Windows®Me, Windows®2000 Professional, Windows NT® Workstation 4.0 (Service Pack 5 or later)
- Windows®XP prepared

Personalised installation of the drive

- Unique software that guides you through the installation of the drive and tune the computer settings for optimal performances

TBW: Thermo Balanced Writing

- Optimum writing on all CD-R discs

Seamless Link buffer underrun protection

- Seamless Link eliminates the consequences of Buffer Under Run

Firmware upgrade

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

Writing Verification enhancement

- Real Time Optimum Laser Power Control (ROPC) to increase writing reliability

Write Methods

- Track at once (TAO) and Disc at once (DAO) recording
- Both Variable and fixed packet writing
- Multisession
- CD Text
- DVD Random Write

Average access time

- CD: 120msec
- DVD: 140msec

Dust proof

- Internal dust sealing mechanism

Mounting Orientation

- Vertical or horizontal

Media type for writing

- DVD+RW Media 4.7GB (high quality Philips media recommended)
- 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

Recording format

- UDF and ISO 9660

Power requirements

- DC5V/12V, power consumption 16W

DVD-ROM and CD-ROM compatibility

- Reads all popular DVD-ROM and CD-ROM formats

Power saving

- Embedded OPC (Optimum Power Control)

Front Panel

- Tray door, Headphone jack, Volume control, LED function indicator
- Eject/Close button, Emergency eject pin hole

Rear Panel

- Analogue audio out, Digital audio out, Master/Slave select jumper,
- ATA-2 40 pin E-IDE connector, DC power inlet

Operating temperature/Humidity

- 5-45°C / 8-80%RH

Dimensions

- Width x height x depth (mm): 145.6 x 41.6 x 196.4 mm incl. bezel
- Weight: 0.98 Kg



Edit, Create and Share your own DVDs.

- Create DVDs from your home Videos.
- Share and play your home recorded DVD discs on almost all DVD video players or on DVD-ROM drives.



Large Storage Capacity at High Speed.

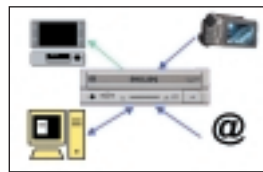
- Archive data up to 4.7GB on DVD discs, so up to 7 times the storage capacity of a regular CD.
- The 2.5x DVD writing speed is comparable to 20x CD-RW speed!



Compatibility without compromise:

The DVD ReWriter, complying with the DVD+RW standard optimized for PC and consumer applications, has been designed to be two-way compatible, meaning:

- DVD ReWriters read DVD-Video and DVD-Data discs.
- Recordings made on DVD+RW discs with a DVD ReWriter can be played in PCs with DVD-ROM Drive, as well as in most DVD-Video players.



Versatility:

- Edit your video and create your own DVD-Video movies
- Create your own CDs
- Back-up your PC files
- Playback your DVDs or CDs



Do not worry anymore about video file compatibility

- Faster than real-time conversion of all incoming video formats into those compatible with DVD players, freeing the user from the headaches of determining file compatibility.
- Burning directly from your camcorder or VCR to your DVD disc.

Seamless Link Buffer Under Run (BUR) protection.

Seamless Link, the Philips solution, is a BUR management solution that is "on board" the drive and prevents a wasted disc when a buffer under run occurs during TAO or DAO writing.

Detecting the clues of an imminent BUR ahead of time, Seamless Link pauses the writing in a controlled way and restarts the writing when the danger of the BUR is gone. The primary benefits to users are:

- The Philips "intelligent drive" pro actively manages the consequences of a BUR during CD writing, which eliminates the risk of a wasted disc.
- The solution allows users greater ability to launch and run other applications, while burning a CD.

Thermo-Balanced Writing (TBW).

The technology, called Thermo-Balanced Writing (TBW) enhances the integrity of data written to any recordable and rewritable media, minimizing the chances of data retrieval problems or burning 'bad' discs.

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

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