Philips Consumer Electronics

Philips Upgrade Information and Media List

Types:	DVDR1620K/00 DVDR1625K/00 DVDR1625K/17 DVDR1625K/30 DVDR1625K/35 DVDR1640K/00 DVDR1645K/00 DVDR1645K/30	→ Drive type number on label.
String:	DVDR1640P	→ Drive name as seen in Windows ™
From firmware:	Px.x	
To firmware:	P3.7	
Date:	18 May 2006	

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v12

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1. Version History

First version is P2.0

Changes from firmware P2.0 to P2.1

- Improved writing quality on DVD+R discs.
- Improved writing quality on DVD+R Double Layer discs.

Changes from firmware P2.1 to P2.2

- Improved writing quality on DVD+R discs.
- Improved writing quality on DVD+R Double Layer discs.
- Reduced write speed on DVD+R 8x (“PHILIPS C08”) disc from 12x to 8x to ensure high and stable write quality.

Changes from firmware P2.2 to P2.4

- Released 5 November 2004.
- Improved stability of writing on DVD+R Double Layer.
- Improved writing on 4x (low speed) CD-RW media.
- Improved read performance on DVD+R Double Layer.
- Improved writing quality on DVD+R Double Layer discs.
- Improved writing quality on DVD+R 4x and 8x discs.
- Improved writing on Taiyo Yuden CD-Recordable.
- Fixed the possible hang/crash on some motherboards with an nVidia nForce Chipset in combination with Windows XP Service Pack 2.
- Plays the CD part of SACD (Super Audio CD).

Changes from firmware P2.4 to P2.5

- Released 11 November 2004.
- Improved writing quality on DVD-R 8x “DAXON008S”.

Changes from firmware P2.5 to P3.0

- Released 1 December 2004.
- Increased write speed on DVD+R Double Layer disc “MKM001” from 2,4x to 4x.
- Increased write speed on DVD-R up to 16x (on selected media).

Changes from firmware P3.0 to P3.2

- Released 13 January 2005.
- Improved write quality on DVD+R Double Layer discs.

Changes from firmware P3.2 to P3.3

- Improved write quality on DVD+R discs.

Changes from firmware P3.3 to P3.4

- Released 7 February 2005.
- Improved write quality on DVD+R 16x discs.

Changes from firmware P3.4 to P3.5

- Released 8 June 2005.
- Fixed the possible hang/crash on some motherboards with an nVidia nForce Chipset in combination with Windows XP Service Pack 2.
    - ⇒ *This upgrade will also allow to upgrade the test version T3.4 for the nVidia Chipset problem to be upgraded to P3.5. In this case, you will be warned “The version of the firmware you are attempting to flash is older than the drive’s current version of firmware. Do you really want to proceed.” Please ignore this warning by clicking on “OK”.*
- Improved writing quality on DVD+R and DVD-R discs.
- Improved Optimum Power calibration on DVD+R Double Layer discs.
- Included protection to prevent writing on non supported media.

Changes from firmware P3.5 to P3.6

- Released 19 July 2005.
- Improved recognition of System Restore CD discs.

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Changes from firmware P3.6 to P3.7

- Released 18 May 2006
- Fix for “Session Fixation Error” at the beginning of the writing process when writing unknown DVD+R Double Layer discs.
  - ⇒ *This upgrade will also allow to upgrade the test version T3.4 for the nVidia Chipset problem to be upgraded to P3.7. In this case, you will be warned “The version of the firmware you are attempting to flash is older than the drive’s current version of firmware. Do you really want to proceed.” Please ignore this warning by clicking on “OK”.*

2. Important notice on DVD write speeds

You can write several discs at a higher speed then indicated on the label (example: write at 12x on a 8x disc) as this drive is equipped with “overspeed”.
We advise to use this feature only when you have high quality discs.
As soon as you may have any suspicion about the quality of your discs or encounter a problem reading back written discs, we advise to use a lower write speed.

3. Nero software update

We advise to have your Nero software also up to date:

1 Start the Nero StartSmart



2 Choose the Nero Productcenter (A).

Click on the "Check Now" button (B).

Install the latest available versions by clicking on the green arrows (C).



3 We advise to restart your computer after updating.

4. More information and Frequently Asked Questions

More information and some Frequently Asked Questions can be found on our website:

http://www.philips.com/storageupdates

5. Supported DVD media lists

The ADIP code (for "+" media) and the Pre Recorded Info in Lead In code (for "–" media) do indicate the manufacturer of the disc. This code will allow the drive to recognize the disc and with this information the drive will choose the best possible write strategy so that the discs are written in the best possible way.

This information can easily be obtained using e.g DVD Identifier (download from http://dvd.identifier.cdfreaks.com/). Please note that this is 3rd party software for which Philips can not take any responsibility.

Please also note that Philips can not guarantee that discs which are not in the list are well written.

5.1. Supported DVD+R discs



DVD+R 2,4x discs

CMC MAG R01
MCC 001
OPTODISC OP2
PRODISC R01
RICOHJPN R00
RITEK R01

DVD+R 4x discs

AML 001	
BeAll000 P40	
CMC MAG F01	(Can be written at 8x)
DAXON AZ1	
DDT01 001	
DT-D02 02	
GSC502 002	
INFODISC R10	
IS01 001	
MAXELL 001	(Can be written at 8x)
MBIPG101R03	
MCC 002	(Can be written at 8x)
MPOMEDIA 040	
MUST 002	
NANYA RJB	
OPTODISC 0R4	
POMSC001 002	
PRODISC R02	
RICOHJPN R01	(Can be written at 8x)
RITEK M02	(Can be written at 8x)
RITEK R02	(Can be written at 8x)
SONY D01	(Can be written at 12x)
TDK 001	(Can be written at 8x)
YUDEN000 T01	(Can be written at 12x)

DVD+R 8x discs

AML 002	(Can be written at 12x)
BeAll000 P80	(Can be written at 12x)
CMC MAG E01	
DAXON AZ2	(Can be written at 16x)
DDDessau V30	(Can be written at 12x)
DT-D03 004	(Can be written at 12x)
EMDP 000	
GSC503 H01	
IMC JPN R01	(Can be written at 16x)
IMFOME R20	(Can be written at 12x)
INFODISC R20	(Can be written at 12x)
IS01 002	
ISSM 001	
LD S03	(Can be written at 16x)
LONGTEN 002	
MAMM02	

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MAXELL 002	(Can be written at 12x)
MBIPG101R04	(Can be written at 12x)
MCC 003	(Can be written at 12x)
MJC 003	(Can be written at 12x)
MPOMEDIA 080	
MUST 002	
NANYA CHX	(Can be written at 12x)
NANYA CLX	(Can be written at 12x)
OPTODISC 0R8	
PHILIPS 081	(Can be written at 12x)
PHILIPS C08	
PLASMON1 C01	(Can be written at 12x)
POS R01	
PRODISC R03	(Can be written at 12x)
RICOHJPN R02	(Can be written at 16x)
RITEK R03	(Can be written at 12x)
RSKYMEDIA R03	
SONY D11	(Can be written at 16x)
TDK 002	(Can be written at 16x)
ULTRAN 202	
VANGUARD 001	
VDSPMSAB 002	
VIVA 002	
WFKA11 211	
WINGSHIN 001	(Can be written at 12x)
YUDEN000 T02	(Can be written at 16x)

DVD+R 16x discs

BeAll PG0	
CMC MAG M01	
DAXON AZ3	
DAXON CY3	
EMDPAZ01 000	(Will be written at 4x)
GSC503 H01	
INFOME R30	
ISSM 002	
LD M04	
LGEP16 001	
MAM M04	
MAXELL 003	
MBIPG101 R05	
MCC 004	
MUST 006	
NANYA FLX	
NSD R40	
OPTODISC F16	
OPTODISC R16	
PHILIPS C16	
Plasmon2 C01	
POS R05	
PRODISC R04	
PRODISC R05	
RICOHJPN R03	
RITEK R04	
SONY D21	
TDL 003	
VDSPMSAB 004	
YiJhan 004	(Will be written at 8x)
YUDEN000 T03	

5.2. Supported DVD+R Double Layer discs



DVD+R Double Layer 2,4x discs

MKM 001	(Can be written at 4x)
PHILIPS CD2	
RITEK D01	

5.3. Supported DVD+RW discs



DVD+RW 2,4x discs

CMC MAG W01
INFODISC A10
MBIPG101 W03
MCC A01
OPTODISC W01
RICOHJPN W01
RITEK 001
SENTINEL W01

DVD+RW 4x discs

CMC MAG W02
DAXON D42
INFODISC A10
MBIPG101 W04
MKM A02
NANYA DRW
OPTODISC OP4
PHILIPS 041
PRODISC W02
RICOHJPN W11
RITEK 004
SENTINEL W02
SONY S11

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5.4. Supported DVD-R discs



Please note that 1x DVD-R discs are not supported.

DVD-R 2x discs (written at 2,4x)

BeAll G00001
MCC 00RG200
MXL RG01
PRODISCG02
RITEKG03
SONY
TAIYOYUDEN
TDKG02000000

DVD-R 4x discs

4M SYS 202C1
BeAll G40001
DATA TRACK
DAXON004
FUJIFILM02
INFODISC-R01
ISSM 01
MAM4XG01
MAM4XG02
MBI 01RG20
MCC 01RG20
MUST 001
MXL RG02
OPTODISCR004
RITEKM02
SONY04D1
TTG01
TYG01
VANGUARD
WFI A40001
WINGSHING04

DVD-R 8x discs

BeAll G40001	(can we written at 12x)
CMC MAG. AE1	(can we written at 12x)
DAXON008S	(can we written at 16x)
Dvsn-80	
FUJIFILM03	
GSC003	
IMC JPNR01	
INFODISC-R20	
INFOMEDIAR20	
INFOSMART01	
ISSMR01	
LEADDATA S03	
LGE08	
MBI 03RG30	
MCC 02RG20	(can we written at 12x)
MJC ME	
MXL RG03	(can we written at 12x)
OPTODISCR008	
Plasmon1A	
POMS3A	
POMSI002	
ProdiscF01	(can we written at 12x)
ProdiscS04	(can we written at 12x)
RITEKG06	
SKC M801	(will be written at 4x)
SONY08D1	(can we written at 16x)
TAROKOMX8	(will be written at 4x)
TTG02	

TTH01	(can we written at 12x)
TYG02	(can we written at 16x)
VANGUARD01	(will be written at 4x)
WINGSHING08	

DVD-R 16x discs

BeAll G16001	(will be written at 4x)
CMC MAG. AM3	(will be written at 12x)
DAXON016S	
FUJIFILM01	(will be written at 12x)
MBI 03RG40	
MCC 03RG20	
MXL RG04	(will be written at 8x)
NANYA F02	(will be written at 12x)
OPTODISCR016	(will be written at 8x)
ProdiscF02	
ProdiscS05	
SONY16D1	
TTH02	
TYG03	

5.5. Supported DVD-RW discs

Please note that 1x DVD-RW discs are not supported.

DVD-RW 2x discs (written at 2,4x)

CMCW02
DAXON_RW2X01
INFODISC
JVC_VictorW7
MCC 01RW11n1
OPTODISCW002
Prodisc DW04
RITEKW01
TDK502sakuM3

DVD-RW 4x discs

CMCW03
JVC0VictorD7
MCC 01RW4x
OPTODISCW004
PRODISCDW06
RITEKW04
TDK601saku

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