Philips Consumer Electronics

Philips Firmware Upgrade Information

Upgrade for type:	DVDRW824K/40	→ Drive type number on label.
Upgrade for string:	DVDR824DP	→ Drive name as seen in Windows ™
From firmware:	P3.x	
To new firmware:	P3.4	
Date:	20 July 2005	

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Warning:
Please close all running software application and eject any discs from the drive you want to upgrade.
Philips does not and can not warrant the performance of/the results you may obtain using this software.
At no time, Philips can held liable for any damages including (but not limited to) lost profits or consequentional damages or for any claim by any other party.
Do not try to upgrade other then foreseen drives.

v08

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1. Version History

First version is P3.0.

Changes from firmware P3.0 to P3.3 (P3.1 and P3.2 do not exist)

- Released 18 January 2005.
- Improve write quality on all DVD media.
- Possible hang of the drive during working with DVD-RW has been eliminated.
- Possible problems with CD-Extra discs eliminated.

Changes from firmware P3.3 to P3.4

- Released 20 July 2005.
- Improved writing quality on unknown DVD media by using an improved algorithm.

2. Important Warning

This upgrade is only valid if you are using a P3.x firmware.

When you have a DVDR824P drive with firmware P1.x, you can not use this upgrade.
Choose the DVDRW824K/00 model to find your latest upgrade.

When you have a DVDR824P drive with firmware P2.x, you can not use this upgrade.
Choose the DVDRW824K/20 model to find your latest upgrade.

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3. 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.

3.1. Supported DVD+R discs



DVD+R 2,4x discs

ADIP code										
C	M	C		M	A	G		R	0	1
M	C	C						0	0	1
O	P	T	O	D	I	S	C	O	P	2
R	I	T	E	K				R	0	1

DVD+R 4x discs

ADIP code											Remark
A	M	L						0	0	1	
C	M	C		M	A	G		F	0	1	Written at 8x
D	A	X	O	N				A	Z	1	Written at 8x
G	S	C	5	0	2			0	0	2	
M	A	X	E	L	L			0	0	1	Written at 8x
M	B	I	P	G	1	0	1	R	0	3	
M	C	C						0	0	2	Written at 8x
M	P	O	M	E	D	I	A	0	4	0	
N	A	N	Y	A				D	R		
N	A	N	Y	A				R	J	B	
P	R	O	D	I	S	C		R	0	2	Written at 8x
R	I	C	O	H	J	P	N	R	0	1	Written at 8x
R	I	T	E	K				R	0	2	Written at 8x
R	I	T	E	K				M	0	2	Written at 8x
S	O	N	Y					D	0	1	
T	D	K						0	0	1	
Y	U	D	E	N	0	0	0	T	0	1	Written at 8x

DVD+R 8x discs

ADIP code											Remark
C	M	C		M	A	G		E	0	1	
D	A	X	O	N				A	Z	2	
D	A	X	O	N				A	Z	2	
D	T	-	D	0	3			0	0	4	
L	D							S	0	3	
M	A	X	E	L	L			0	0	2	
M	B	I	P	G	1	0	1	R	0	4	
M	C	C						0	0	3	
M	P	O	M	E	D	I	A	0	8	0	
M	U	S	T					0	0	2	
N	A	N	Y	A				C	H	X	Written at 4x
O	P	T	O	D	I	S	C	O	R	8	
P	h	I	l	I	p	s		0	8	1	
P	h	I	l	I	p	s		C	0	8	
P	l	a	s	m	o	n		c	0	1	
P	l	a	s	m	o	n	1	c	0	1	
P	R	O	D	I	S	C		R	0	3	
R	I	C	O	H	J	P	N	R	0	2	
R	I	T	E	K				R	0	3	

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R	I	T	E	K				R	0	3	
S	O	N	Y					D	1	1	
Y	U	D	E	N	0	0	0	T	0	2	

3.2. Supported DVD+RW discs



DVD+RW 2,4x discs

ADIP code										
C	M	C		M	A	G		W	0	1
I	N	F	O	D	I	S	C	A	0	1
M	B	I	P	G	1	0	1	W	0	3
M	C	C						A	0	1
O	P	T	O	D	I	S	C	O	P	1
P	R	O	D	I	S	C		W	0	1
R	I	T	E	K				0	0	1
S	E	N	T	I	N	E	L	W	0	1

DVD+RW 4x discs

ADIP code										
C	M	C		M	A	G		W	0	2
D	A	X	O	N				D	4	2
I	N	F	O	D	I	S	C	A	1	0
M	K	M						A	0	2
N	A	N	Y	A				D	R	W
O	P	T	O	D	I	S	C	O	P	4
P	H	I	L	I	P	S		0	4	1
P	R	O	D	I	S	C		W	0	2
R	I	C	O	H	J	P	N	W	1	1
R	I	T	E	K				0	0	4

3.3. Supported DVD-R discs



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

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

Pre Recorded Info In Lead In Code											
1	F	U	J	I	F	I	L	M			
C	M	C		M	A	G	.				
M	B	I									
M	C	C		0	0	R	G	2	0	0	
M	X	L		R	G	0	1				
P	R	O	D	I	S	C	G	0	2		
R	I	T	E	K	G	0	3				
S	O	N	Y								
T	D	K	G	0	2	0	0	0	0	0	0

DVD-R 4x discs

Pre Recorded Info In Lead In Code											
B	e	A	l	l		G	4	0	0	0	1
C	M	C		M	A	G	.		A	F	1
F	U	J	I	F	I	L	M	0	2		
I	N	F	O	D	I	S	C	-	R	0	1
M	B	I		0	1	R	G	2	0		
M	C	C		0	1	R	G	2	0		

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M	X	L		R	G	0	2				
O	N	I	D	T	E	C	H				
O	P	T	O	D	I	S	C	R	0	0	4
P	R	I	N	C	O						
P	r	o	d	i	s	c	S	0	3		
R	I	T	E	K	G	0	4				
R	I	T	E	K	M	0	2				
S	O	N	Y	0	4	D	1				
T	T	G	0	1							
T	Y	G	0	1							
V	D	S	P	M	S	A	B		0	1	

DVD-R 8x discs

Pre Recorded Info In Lead In Code												Remark
D	A	X	O	N	0	0	8	S				
F	U	J	I	F	I	L	M	0	3			Written at 4x
G	S	C	0	0	3							Written at 4x
M	C	C		0	2	R	G	2	0			
M	X	L		R	G	0	2					
P	l	a	s	m	o	n	1	A				Written at 4x
P	r	o	d	i	s	c	S	0	4			Written at 4x
R	I	T	E	K	G	0	5					
S	O	N	Y	0	8	D	1					
T	T	H	0	1								
T	Y	G	0	2								

3.4. Supported DVD-RW discs

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

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

Pre Recorded Info In Lead In Code											
C	M	C	W	0	2						
J	V	C	_	V	i	c	t	o	r	W	7
M	C	C		0	1	R	W	1	1	n	9
O	P	T	O	D	I	S	C	W	0	0	2
P	r	o	d	i	s	c		D	W	0	4
R	I	T	E	K	W	0	1				
T	D	K	5	0	2	s	a	k	u	M	3

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