



## Philips Firmware Upgrade Information

Upgrade for type: DVDRW885K/00 → Drive type number on label.

Upgrade for string: DVDR885P → Drive name as seen in Windows™

From firmware: P1.x

To new firmware: P2.0

Date: 22 August 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 consequential damages or for any claim by any other party.  
 Do not try to upgrade other than foreseen drives.

# 1. Version History

Changes from firmware P1.x to P1.5

- Improved writing strategy for DVD+R Double Layer.

Changes from firmware P1.5 to P1.6

- Eliminated some reading problems.

Changes from firmware P1.6 to P1.7

- DVD+R Writing quality improved.
- DVD+R Double Layer Writing quality improved.

Changes from firmware P1.7 to P1.7+P1.8 Switchtool

- Released 15 October 2004.
- Added DVD-R and DVD-RW writing capability, if switching from P1.7 to P1.8.
- DVD+R Double Layer burning only possible when switching back to P1.7.

Changes from firmware P1.7+P1.8 to P1.9

- Released 14 January 2005.
- One firmware only (without a switching tool) for DVD+R, DVD+RW, DVD+R Double Layer, DVD-R and DVD-RW writing.
- Improved writing quality on several DVD media.

Changes from firmware P1.9 to P2.0

- Released 22 August 2005.
- Improved writing quality on unknown DVD media by using an improved algorithm.

## 2. Supported DVD disc 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 3<sup>rd</sup> 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.

### 2.1. Supported DVD+R discs



DVD+R 2,4x discs

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

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
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	T	-	D	0	3			0	0	4	
I	N	F	O	D	I	S	C	R	2	0	
I	N	F	O	M	E			R	2	0	
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	I	I	p	s		0	8	1	
P	h	I	I	I	p	s		C	0	8	
P	I	a	s	m	o	n		c	0	1	
P	I	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	
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	

## DVD+R 16x discs

All these 16x discs are of course written at 8x.

ADIP code										
C	M	C	M	A	G			M	0	1
D	A	X	O	N				A	Z	3
D	A	X	O	N				C	Y	3
M	C	C						0	0	4
P	H	I	L	I	P	S		C	1	6
P	R	O	D	I	S	C		R	0	4
P	R	O	D	I	S	C		R	0	5
R	I	C	O	H	J	P	N	R	0	3
S	O	N	Y					D	2	1
T	D	K						0	0	3

## 2.2. Supported DVD+R Double Layer discs



### DVD+R Double Layer 2,4x discs

ADIP code										
M	K	M						0	0	1

## 2.3. Supported DVD+RW discs



DVD+ReWritable

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

## 2.4. Supported DVD-R discs



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

DVD-R 2x discs

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

## DVD-R 4x discs

Pre Recorded Info In Lead In Code												
B	e	A	I	I		G	4	0	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			
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	I	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								

## 2.5. 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	