



Philips Firmware Information

Type:	DVDR1628K/00 DVDR1648K/00 DVDR16STK/00 PBDV1648S/35	(Kit) (Kit) (Save Your Tapes) (Silver bulk)	→ Drive type number on label.
String:	DVDR1648P1		→ Drive name as seen in Windows TM
From firmware	P1.x		
Firmware:	P2.2		
Date:	13 September 2005		

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1. Version History

Initial release P1.1

- Released 1 June 2005

Changes from P1.1 to P1.2

- Released 10 August 2005
- Corrected LED behaviour for DVD (the LED was switched off during DVD writing and reading in firmware P1.1).
- This firmware does not contain Solidburn yet. This will be enabled from firmware P2.x onwards.

Changes from P1.2 to P2.2

- Released 13 September 2005
- Added SolidBurn™ technology when writing on DVD+R and DVD-R. SolidBurn™ determines the best writing strategy for DVD+R and DVD-R media automatically and maximizes the recording speed on these media. More info can be found in a separate document (Philips introduces Solidburn.pdf).
- When SolidBurn™ is used during writing, the LED will flash faster than normal.



2. 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.

2.1. Supported DVD+R discs



DVD+R 4x discs

ADIP code										
A	M	L						0	0	1
B	e	A	I	I	0	0	0	P	4	0
C	M	C		M	A	G		F	0	1
D	T	-	D	0	2			0	2	
G	S	C	5	0	2			0	0	2
I	N	F	O	D	I	S	C	R	1	0
I	S	0	1					0	0	1
M	A	X	E	L	L			0	0	1
M	B	I	P	G	1	0	1	R	0	3
M	C	C						0	0	2
M	P	O	M	E	D	I	A	0	4	0
M	U	S	T					0	0	2
O	P	T	O	D	I	S	C	O	R	4
P	O	M	S	C	0	0	1	0	0	2
P	R	O	D	I	S	C		R	0	2
R	I	C	O	H	J	P	N	R	0	1
R	I	T	E	K				R	0	2
R	I	T	E	K				M	0	2
T	D	K						0	0	1
Y	U	D	E	N	0	0	0	T	0	1

DVD+R 8x discs

ADIP code										
C	M	C		M	A	G		E	0	1
D	A	X	O	N				A	Z	2
D	D	D	e	s	s	a	u	V	3	0
D	T	-	D	0	3			0	0	4
G	S	C	5	0	3			H	0	1
I	M	C		J	P	N		R	0	1
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	M						M	0	2
M	A	X	E	L	L			0	0	2
M	B	I	P	G	1	0	1	R	0	4
M	J	C						0	0	3
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
N	A	N	Y	A				C	L	X
O	P	T	O	D	I	S	C	O	R	8
P	H	I	L	I	P	S		C	0	8
P	H	I	L	I	P	S		0	8	1
P	I	a	s	m	o	n	1	c	0	1
P	O	S						R	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
S	O	N	Y					D	1	1
S	K	Y	M	E	D	I	A	R	0	3
T	D	K						0	0	2
U	L	T	R	A	N			2	0	2
V	A	N	G	U	A	R	D	0	0	1
V	D	S	P	M	S	A	B	0	0	1
V	I	V	A					0	0	2
W	F	K	A	1	1			2	1	1
Y	U	D	E	N	0	0	0	T	0	2

DVD+R 16x discs

ADIP code											Remark
A	M	L						0	0	3	Written at 12x
B	e	A	I	I				P	G	0	
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	
D	I	G	V	A	L			R	0	1	Written at 12x
G	S	C	5	0	3			H	0	1	
I	N	F	O	M	E			R	3	0	
L	D							S	0	4	
L	G	E	P					0	0	1	
M	A	M						M	0	4	Written at 12x
M	A	X	E	L	L			0	0	3	
M	B	I	P	G	1	0	1	R	0	5	
M	C	C						0	0	4	
M	J	C						0	0	5	
M	U	S	T					0	0	6	
N	S	D						R	4	0	
O	P	T	O	D	I	S	C	R	1	6	Written at 12x
P	H	I	L	I	P	S		C	1	6	
P	I	a	s	m	o	n	2	C	0	1	
P	O	S						R	0	5	
P	R	O	D	I	S	C		R	0	4	Written at 12x
P	R	O	D	I	S	C		R	0	5	
R	I	C	O	H	J	P	N	R	0	3	
R	I	T	E	K				R	0	4	
R	I	T	E	K				P	1	6	
S	A	S	T					A	0	1	
S	O	N	Y					D	2	1	
T	D	K						0	0	3	
Y	U	D	E	N	0	0	0	T	0	3	

2.2. Supported DVD+R Double Layer discs



DVD+R Double Layer 2,4x discs

ADIP code										Remark	
C	M	C		M	A	G		D	0	1	
M	K	M						0	0	1	Written at 8x
R	I	T	E	K				D	0	1	

2.3. Supported DVD+RW discs



DVD+RW 2,4x discs

ADIP code										
I	N	F	O	D	I	S	C	A	0	1
M	B	I	P	G	1	0	1	W	0	3

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
O	P	T	O	D	I	S	C	O	P	4
P	H	I	L	I	P	S		0	4	1
R	I	C	O	H	J	P	N	W	1	1
R	I	T	E	K				0	0	4
R	I	T	E	K				0	0	4

DVD+RW 8x discs

M	K	M						A	0	3
R	I	T	E	K				0	0	8
R	I	C	O	H	J	P	N	W	2	1

2.4. Supported DVD-R discs



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

DVD-R 4x discs

Pre Recorded Info In Lead In Code												
A	M	L										
B	e	A	I	I		G	4	0	0	0	1	
B	e	A	I	I		G	4	0	0	0	1	
C	M	C		M	A	G	.		A	F	1	
D	A	T	A		T	R	A	C	K			
D	v	s	n		A	0	0	1				
G	S	C	0	0	2							
I	N	F	O	D	I	S	C	-	R	0	1	
M	A	M	4	X	G	0	2					
M	B	I		0	1	R	G	2	0			
M	C	C		0	1	R	G	2	0			
M	U	S	T		0	0	1					
M	X	L		R	G	0	2					
N	A	N	Y	A	-	J	C	0	0	1		
O	N	I	D	T	E	C	H					
O	P	T	O	D	I	S	C	R	0	0	4	
P	O	S	G	0	4							
P	R	I	N	C	O							
P	r	o	d	i	s	c	S	0	3			
R	I	T	E	K	M	0	2					
S	O	N	Y	0	4	D	1					
T	A	R	O	K	O	-	M	X	4			
T	T	G	0	1								
T	Y	G	0	1								
W	I	N	G	S	H	I	N	G	0	4		

DVD-R 8x discs

Pre Recorded Info In Lead In Code													Remark
B	e	A	I	I		G	8	0	0	0	1		
C	M	C		M	A	G	.		A	E	1		Written at 12x
D	A	X	O	N	0	0	8	S					
D	v	s	n	-	8	0							
F	U	J	I	F	I	L	M	0	3				
G	S	C	0	0	3								
I	N	F	O	M	E	D	I	A	R	2	0		
I	N	F	O	D	I	S	C	-	R	2	0		
L	G	E	0	8									
L	E	A	D	D	A	T	A		S	0	3		
M	U	S	T	0	0	3							
M	X	L		R	G	0	3						
O	P	T	O	D	I	S	C	R	0	0	8		
P	L	A	S	M	O	N	1	A					
P	O	M	S	3	A								
P	r	o	d	i	s	c	S	0	4				
P	r	o	d	i	s	c	F	0	1				
S	O	N	Y	0	8	D	1						Written at 16x
T	T	H	0	1									
T	Y	G	0	2									Written at 12x
V	D	S	P	M	S	A	B		0	2			
W	I	N	G	S	H	I	N	G	0	8			

DVD-R 16x discs

Pre Recorded Info In Lead In Code													Remark
B	e	A	I	I		G	1	6	0	0	1		
C	M	C		M	A	G	.		A	M	3		
D	A	X	O	N	0	1	6						
D	A	X	O	N	0	1	6	S					

F	U	J	I	F	I	L	M	0	4			
G	S	C	0	0	5							
L	E	A	D	D	A	T	A		S	0	4	
L	G	E	1	6								
M	B	I		0	3	R	G	4	0			
M	B	I		0	1	R	G	4	0			Written at 12x
M	C	C		0	3	R	G	2	0			
M	X	L				R	G	0	4			
M	U	S	T			0	0	7				
N	A	N	Y	A		F	0	2				
N	S	D				R	4	0				Written at 8x
P	I	a	s	m	o	n						Written at 8x
P	O	S	G	0	8							Written at 12x
P	r	o	d	i	s	c	S	0	5			
O	P	T	O	D	I	S	C	R	0	1	6	Written at 8x
R	I	T	E	K		F	1					
S	O	N	Y	1	6	D	1					
T	T	H	0	2								
T	Y	G	0	3								

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							
D	A	X	O	N		R	W	2	X	0	1	
I	N	F	O	D	I	S	C					
J	V	C	/	V	i	c	t	o	r	T	7	
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	
R	I	T	E	K	W	0	1					
T	D	K	5	0	2	s	a	k	u	M	3	

DVD-RW 4x discs

Pre Recorded Info In Lead In Code												
C	M	C	W	0	3							
J	V	C	0	V	i	c	t	o	r	D	7	
M	B	I	0	1	R	W	G	2	0			
M	C	C		0	1	R	W	4	x			
O	P	T	O	D	I	S	C	W	0	0	4	
P	R	O	D	I	S	C	D	W	0	6		
R	I	T	E	K		W	0	4				

DVD-RW 6x discs

C	M	C	W	0	4							
J	V	C	1	V	i	c	t	o	r	d	7	
R	I	T	E	K	W	0	6					