

Panasonic

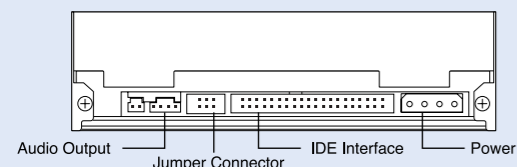


Drive Specifications

Model Number	LF-D521U/LF-D521E
Interface	ATA / ATAPI-6
Transfer rate	Ultra DMA Mode4 66.6 MB / s PIO Mode4 16.6 MB / s
Capacity	4.7 GB / 9.4 GB DVD-RAM (rewritable) 2.6 GB / 5.2 GB DVD-RAM (rewritable) 4.7 GB DVD-R for General Use (write-once) 4.7 GB DVD-RW (rewritable) Ver.1.1 CD-R (write-once) CD-RW (rewritable)
Write Data Transfer Rate	4.7 GB DVD-RAM : 2,770 KB (with verifying) 2.6 GB DVD-RAM : 1,385 KB (with verifying) 4.7 GB DVD-R : 2,770 KB (without verifying) 4.7 GB DVD-RW : 1,385 KB (without verifying) CD-R : Max 1,800 KB (without verifying) CD-RW : Max 1,200 KB (without verifying)
Read Transfer Rate	DVD-RAM (4.7 GB) : 2,770 KB (2 X) DVD-RAM (2.6 GB) : 1,385 KB (1 X) DVD-R / DVD-RW : 8,310 KB (Max X 6) CD-R : 1,520 KB - 4,800 KBps (Max X 32) CD-RW : 1,520 KB - 3,600 KBps (Max X 24) DVD-ROM : 3,438 KB - 16,224 KBps (Max X 12) CD-ROM : 1,520 KB - 4,800 KBps (Max X 32)
Average Seek Time	DVD-RAM : 120 ms DVD-ROM / DVD-R, CD-ROM : 110 ms
Write Compatibility	4.7 GB DVD-RAM, 2.6 GB DVD-RAM, 4.7 GB DVD-R (for General Ver.2.0), 4.7 GB DVD-RW(Ver.1.1), CD-R, CD-RW
Read Compatibility	CD-DA ¹ , CD-ROM / XA, Photo CD, Video CD, CD-Extra, CD-R ^{2,3} , CD-RW ^{2,3} , DVD-ROM, DVD-R ^{2,4} , DVD-RW ² , DVD-Video, DVD-RAM (4.7 GB, 2.6 GB)
Buffer Capacity	2 MB
Power Supply	12 V ± 10% / 5 V ± 5%
Dimensions (W X H X D)	146 X 41.3 X 196 mm 5.75" X 1.63" X 7.72"
Weight	1.1 kg (2.4 lbs.)

¹ CD-G not supported.
² Playback of DVD-R, DVD-RW, CD-R and CD-RW may not be fully performed depending on the writing conditions of discs.
³ Supports Multi Read for CD-R and CD-RW.
⁴ Supports discs with a capacity of 3.95GB that are written with the disk-at-once option.

Rear View



Disc Specifications

DVD-RAM					
Model Number	LM-HB94	LM-HB47	LM-HC47	LM-DA52	LM-DB26
Capacity [Unformatted]	9.4 GB (Double-sided)	4.7 GB (Single-sided)	4.7 GB (Single-sided)	5.2GB (Double-sided)	2.6 GB (Single-sided)
Scanning Velocity	8.16 - 8.49 m / s		5.96 - 6.35 m / s		
Track Pitch	0.615 μm		0.74 μm		
Minimum Pit length	0.420 - 0.437 μm		0.614 - 0.653 μm		
Byte / Sector	2,048 Byte / Sector		2,048 Byte / Sector		
Sector / Track	25 - 59 (ZCLV)		17 - 40 (ZCLV)		
Outer Diameter	120 mm				
Inner Diameter	15 mm				
Thickness	1.2 mm				
Cartridge Type	TYPE 4 (Removable)	TYPE 2 (Removable)	Non-cartridge	TYPE 1 (Non-removable)	TYPE 2 (Removable)

To ensure data reliability, please use the recommended discs described in the operations manual included in this product.

DVD-R (for General Ver.2.0)	
Model Number	LM-RF47
Recording Capacity	4.7 GB
Scanning Velocity	3.49 m / s
Track Pitch	0.74 μm
Minimum Pit length	0.4 μm
Byte / Sector	2,048 Byte / Sector
Laser Wave length	645 - 665 nm (typical)
Outer Diameter	120 mm
Inner Diameter	15 mm
Thickness	1.2 mm
Reflectivity	More than 45 %
Write Power	8 - 12 mW
Bottom jitter	Less than 7.5 %
Modulation	More than 60 %
PI error	Less than 100

LF-D521U/E Includes a Complete Suite of Software

DVD-MovieAlbumSE 3

Let you edit and enhance DVD-RAM discs recorded with a DVD Video recorder.

- Additional recording and editing of DVD-RAM data recorded by a Panasonic DVD Video recorder.
- Full editing functions include rearranging playback sequences (playlists) and indexing selected scenes (marker function).
- Allows you to produce 3-dimensional titles complete with animation.
- Equipped with a function for creating slide shows with still images.
- Linked operation with MyDVD™ 3.5 enables easy DVD authoring of DVD-RAM video recordings onto a DVD-RAM disc.



MyDVD™ 3.5

Links with DVD-MovieAlbumSE for super-easy, comfortable authoring of DVD-Video discs.

- Produces DVD-Video and video CD discs using AVI (DV format) files captured from a DV camera.
- Linked operation with DVD-MovieAlbumSE 3 enables easy DVD-Video production.
- Automatically creates a DVD menu screen based on playlist information.



WinDVD™ 4

This multimedia player is capable of playing DVD-Video and DVD-RAM recorded with VR format.

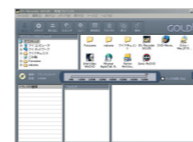
- Plays high-resolution video and high-fidelity sound recorded onto DVD-Video and video CD discs.
- Lets you play video data recorded onto DVD-RAM discs.



B's Recorder GOLD5 BASIC

This writing software lets you create original music CD discs as well as data DVD and CD discs.

- Records in DVD-RAM, DVD-R, DVD-RW, CD-R and CD-RW disc formats.
- Allows you to produce original music CDs and CD text format CDs using CD-R discs.



FileSafe

Makes it easy to back-up data onto DVD-RAM disc.

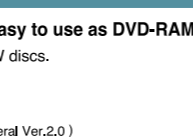
- Backs up large volumes of data onto DVD-RAM discs.
- Schedule management function automatically backs up selected folders onto a DVD-RAM disc at freely set intervals.



B's CLiP5

This packet recording software makes DVD-RW and CD-RW as easy to use as DVD-RAM.

- Drag-and-drop operation for easy copying of data onto DVD-RW or CD-RW discs.



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DVD MULTI Drive LF-D521 U/E

Internal ATAPI

for PC / AT or Compatible

Windows® 98
Windows® Millennium Edition
Windows® 2000 Professional
Windows® XP Home Edition / Professional

DVD
MULTI
RECORDER



The All-in-one Unit for All Your Data Storage Needs

DVD Burner II

DVD MULTI Drive
DVD-RAM/DVD-R/DVD-RW/CD-R/CD-RW

1 DVD-RAM disc &
1 DVD-R disc included

Write Read

9.4/4.7 GB
5.2/2.6 GB
DVD-RAM Discs
DVD-R Disc
(for General Ver.2.0)
DVD-RW Disc
(Ver.1.1)
CD-R Disc
CD-RW Disc

DVD-ROM
DVD-R
DVD-RW
DVD-Video
CD-ROM
CD-R / RW
CD-Audio

