

DVD +R/ +RW Recordable Loader DRL-100



* FEATURES

ATAPI Interface
 DVD+RW(4.7GB), DVD+R(4.7GB), DVD-RW(4.7GB Closed Session),
 and DVD-R(4.7GB)
 Readable DVD-5, DVD-9, DVD-10, DVD-18 Readable
 Video-CD, CVD, SVCD, DVCD, CD-R, CD-RW and CD-Audio Readable
 250ms Average Access Time in DVD & CD Mode
 Supports 4.2X CAV Read Speed in DVD Mode
 Supports 12X CAV Read Speed in VCD, CVD, SVCD
 and DVCD Mode
 Supports 12X CAV Read Speed in CD-Audio Mode
 Supports 2.4x CLV Write Speed in DVD+R/DVD+RW
 Maximum 5,775KB/sec Transfer Rate in DVD Read Mode
 Maximum 1,800KB/sec Transfer Rate in VCD, CVD, SVCD and DVCD Read Mode
 3,324KB/sec Transfer Rate in DVD+R, DVD+RW Write Mode
 Power Tray Loading/Ejecting Mechanism
 Built-in ATAPI Interface Controller
 Built-in MODE-1 ECC/EDC
 MTBF (T.B.D)
 PIO Mode 4, UDMA 66 (T.B.D)
 Sleep Mode for Energy Saving



SPECIFICATIONS

Performance

Applicable Disc Format for Writing

DVD+R(ver 1.0), DVD+RW(ver 1.0, ver 1.1)

Applicable Disc Format for Reading

DVD-5, DVD-9, DVD-10, DVD-18, DVD+RW(4.7GB), DVD+R(4.7GB),
 DVD-RW(4.7GB Closed Session), DVD-R(4.7GB)
 CVD, SVCD, DVCD, CD-R, CD-RW, VCD, CD-Audio

Recordability

DVD+RW Jitter : Maximum 10% (Blank ALMEDIO disc, ADVP-WTP Manufactured
 by Ricoh Measured on ref player DVD CATS SA300)
 DVD+R Jitter : Maximum 11% (Blank ALMEDIO disc, ADVP-RTP4 Manufactured
 by Ricoh Measured on ref player DVD CATS SA300)

DVD Writable Media

DVD+RW Media (2.4x) : RICOH, Sony, Imation, Ridata, Melody
 DVD+R Media (4x/2.4x) : RICOH, Sony, Imation, Verbatim(Mitsubishi),
 That's(Taiyo Yuden), Mitsubishi, Melody
 DVD+RW Rewrite : 1000times

Rotational Speed

DVD Read : 4.2X(CAV) 2400 rpm CD Read : 12X(CAV) 2400 rpm
 DVD+R/+RW Write : 2.4X(CLV)
 Approx. 1,379 rpm to 3,333 rpm

Data Transfer Rate for Reading

* Sustained Data Transfer Rate
 DVD : Approx. Max 5,775KB/sec VCD : Approx. Max 1,800 KB/sec
 * Burst (ATAPI)
 16.7 Mbytes/sec (PIO Mode 4) T.B.D : 66 Mbytes/sec (UDMA 66)

Data Transfer Rate for Writing

DVD+R/+RW : Approx 3,324 KB/sec

Average Access Time

Random Access DVD : 250 ms Typical CD : 250 ms Typical

Data Buffer Capacity : 2Mbytes

Error Rate

DVD Hard Error Rate : 10E-15 max.
 Seek Error Rate : 10E-6 max.
 CD Hard Error Rate : 10E-12 max. (Mode 1)
 10E-9 max. (Mode 2)
 Seek Error Rate : 10E-6 max.

Environmental Conditions

This Loader should be used under the conditions listed below.

Temperature and Humidity

Operating Temperature	5 °C to 45 °C
Storage Temperature	-25 °C to 60 °C
Operating Humidity	10% to 80%
Storage Humidity	0% to 90%
Condensation	No condensation of the conditions above

Vibration

Operating	No unrecoverable error 10-500Hz sine sweep rate in 1 octave/min Read 0.25G, Write 0.1G 30 min/each direction
Non-Operating	No damage, No unrecoverable error 10-500Hz sine sweep rate in 1 octave/min 2G in X, Y and Z directions 30 min/axis

Shock

Operating (at a level surface)	No unrecoverable error 10 msec half-sine wave Read 3G, Write 1G in 3 directions 1 pulse 10sec interval (6 each direction)
Non-Operating	No damage, No unrecoverable error 10 msec half-sine wave 50G 1 time in each direction
Drop (Packaged)	No damage, No unrecoverable error Free drop at 70 cm (1corner, 3edges, 6surface)

Quality and Reliability

MTBF (Mean Time Between Failures) : T.B.D

Tray Cycle Test

No fatal problem in the mechanical part after 10,000 times open/close cycle test.

Actuator Mechanism

The drive will be capable of seeking at least 1,000,000 full strokes.

MTTR (Mean Time to Repair) : 30 minutes



DVS Korea Co., Ltd.
 5th, 7th & 8th Floor, KPS Bldg. 196 Kungok-dong Boondang-ku, Sungnam City Kyungki-do 463-726, Korea.
 Tel : 82-31-710-3800 / Fax 82-31-714-8312 <http://www.dvs.co.kr> / sales@dvs.co.kr

DVS America

1180 Aster Ave. Unit#F Sunnyvale, CA 94086 USA
 Tel : 408-260-3301 / Fax : 408-260-3305 <http://www.dvsystems.com> / shaunk@dvsystems.com

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>