

DCA's Recordable Formatter



DCA's Recordable Formatter is a signal generator for mastering formats such as HD DVD-RAM, HD DVD-R/RW, BD-R, BD-RE, DVD-R/RW, DVD+R/RW and CD-R/RW. DCA's Recordable Formatter has been designed to be flexible so that new formats and format specification updates can be quickly supported as they are introduced into the market.

The Recordable Formatter application runs on Windows XP and has an easy to use and navigate graphical user interface. Job setup is fast and easy, based off pre-defined options for the specific format in the job setup menu. The application supports IRG bands and has an integrated graphics utility for viewing IRG bands with graphical representation of the disc. Changes made to the IRG band are displayed on screen as they are made.

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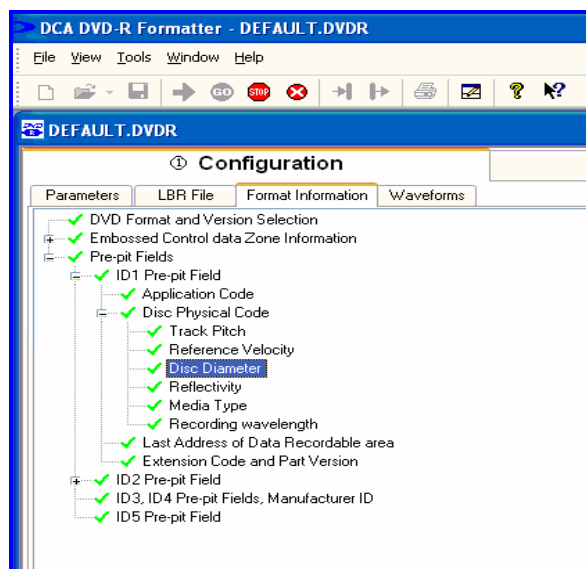
The Recordable Formatter leverages the latest DCA encoder technology, providing a clean high quality signal from a single board design, thereby minimizing the cable configurations needed. The Recordable Formatter integrates with both Single and Dual Beam LBR's from most manufacturers.

The Recordable Formatter can be purchased in the following configurations: HD DVD-RAM, HD DVD-R/RW, BD-R/RE, DVD-R/RW, DVD+R/RW and CD-R/RW. Combinations of different formats can be installed on the same system. The Recordable Formatter can even be installed on a standard MIS V8 system, reducing the need for multiple formatters connected to the LBR.

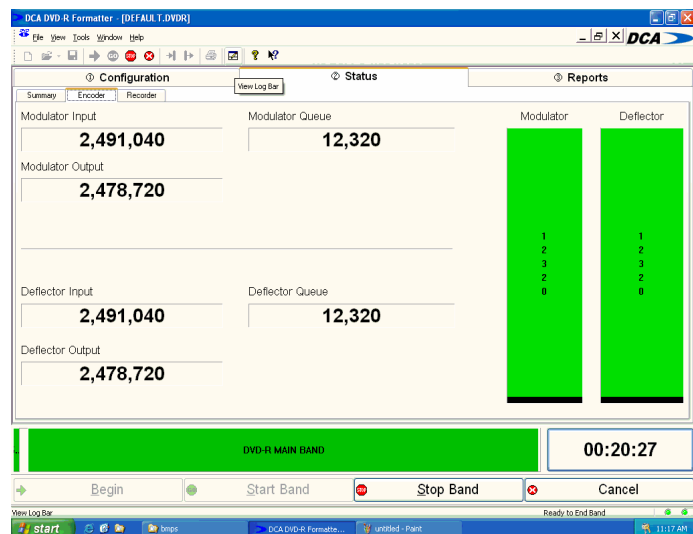
The Recordable Formatter includes PCS pit geometry control for formats requiring embossed lead-in. PCS provides finely tuned control over pit geometry in the control data zone.

PCS Pit Geometry Control – standard on Recordable Formatters for formats that require embossed lead-in

A Control Data Editor, allowing users to quickly review and edit format parameters for the lead-in information, is also included.



Quickly review and edit format parameters



The Status window displays job information

Supported Recordable Format Specifications (Latest changes in Blue!)

HD DVD-RAM

- ✓ Advanced Access Content System (AACs) for HD DVD-RAM, Specification Rev. 0.91
- ✓ HD DVD-RAM 1.0 specification
- ✓ Optional Specification for 1X-SPEED, HD DVD-RAM Revision. 1.0
- ✓ Mastering Speeds: 1/3 R, 1/2R, 2/3R and 1R in system area; 2.008 rps to 30.120 rps in data area*

HD DVD-R

- ✓ [HD DVD-R Dual Layer for High Density Recordable Disc for Dual Layer \(HD DVD-R for DL\), Part 1 Physical Specifications, Version 2.0](#)
- ✓ [Optional Specification for 1X-SPEED HD DVD-R Dual Layer Revision 1.0 Part 1, \(2.x\)](#)
- ✓ Advanced Access Content System (AACs) for HD DVD-R, Specification Rev. 0.91
- ✓ HD DVD-R Version 1.0
- ✓ Optional Specification for 1X-SPEED, HD DVD-R, Part 1: (Ver. 1.x), Revision 1.0
- ✓ Mastering Speeds: 1/3 R, 1/2R, 2/3R and 1R*

HD DVD-RW

- ✓ [HD DVD-RW Single Layer, Version 0.9](#)
- ✓ [HD DVD-RW Single Layer, Optional Specification, 1X-Speed Version 0.9](#)
- ✓ [HD DVD-RW Dual Layer, Version 1.9](#)
- ✓ [HD DVD-RW Dual Layer, Optional Specification, 1X-Speed Version 1.9](#)
- ✓ Advanced Access Content System (AACs) for HD DVD-RW, Specification Rev. 0.91
- ✓ Mastering Speeds: 1/3 R, 1/2R, 2/3R and 1R*

BD-R (Blu-ray Recordable)

- ✓ [BD-R Specification Version 1.0](#)
- ✓ AACs for Blu-ray Recordables, Specification Rev. 0.91
- ✓ Mastering Speeds: 1/3 R, 2/3R and 1R*

BD-RE (Blu-ray REwritable)

- ✓ [BD-RE Specification Version 2.0](#)
- ✓ AACs for Blu-ray Recordables, Specification Rev. 0.91
- ✓ Mastering Speeds: 1/3 R, 2/3R and 1R*

DVD-R

- ✓ [DVD-R Dual Layer Version 3.0, \(Optional Specification for 4X-Speed Rev. 1.0, 6X-Speed Rev. 2.0, and 8X-Speed Rev. 3.0\)](#)
- ✓ DVD-R/RW optional specification for 12x, 16x
- ✓ Single Beam control
- ✓ Dual Beam control
- ✓ Duplex Single Beam control
- ✓ DVD-R version 1.0 & 1.9 specification, version 2.0 for General Grade
- ✓ Mastering Speeds of 1/3R through 2R*

DVD+R/DVD+RW

- ✓ [DVD+RW Dual Layer Part 2: Dual Layer, Volume 1:2,4X, Version 0.9](#)
- ✓ DVD+R Dual Layer Part 2: Dual Layer, Volume 1: 2,4X & 3,3~8X Version 1.1
- ✓ DVD+RW Part 1, Single Layer Volume 1: 2,4X & 4X Version 1.3
- ✓ Updated VCPS (Video Content Protection System) to support version 1.3
- ✓ VCPS (Video Content Protection System) 1.1 specification "VIDI"
- ✓ Part 1 Single Layer 1x-16x 1.29 and 1.30 specifications
- ✓ DVD+R version 1.2 (4.7GB)
- ✓ DVD+RW version 1.9
- ✓ Mastering Speeds of 1/3R through 2R*

CD-R/CD-RW

- ✓ CD-R (version 3.1, Multi-Speed 1.0. 1.1 & 1.2)
- ✓ CD-RW (Standard version 2.0, Ultra Speed 1.0, High Speed 1.0 & 1.1)
- ✓ Mastering Speeds of 1x through 9x*

*Mastering speeds may be limited by the capabilities of the LBR. Consult your LBR manufacturer for details.

For more information on DCA's Recordable Formatter, contact your Regional Sales Manager

Americas

Fred Perez
Fredp@dcainc.com
Telephone:
925-426-9948
Fax:
240-248-1105

Europe

Chris Vangramberen
chrisv@dcainc.com
Telephone:
+49-6021-45900-0
Fax:
+49-6021-45900-29

Japan & Asia

Nozomu Hayatsu
nozomu@dcainc.com
Telephone:
+81-3-3402-5631
Fax:
+81-3-3402-5615