

BLU-RAY DISC COMBO

CH10LS20

OPTICAL
DRIVE

Blu-ray™ Disc Combo

Internal SATA 10x Super Multi Blue LightScribe



BURN DVD, READ BLU

The CH10LS20 is LG's internal dual format high definition drive that has the capability to read and play different Blu-ray formats. The CH10LS20 also reads and writes in three types of DVD formats in one convenient package - DVD+R, DVD-R and DVD-RAM. LightScribe gives you the added feature of creating customized labels that are etched onto a special coated LightScribe disc. Go Blu with the CH10LS20 by LG.

READ AND PLAY BLU-RAY FORMATS

SERIAL ATA INTERFACE

LIGHTSCRIBE DIRECT DISC LABELING

SUPPORTS DOUBLE LAYER DVD+R,
DUAL LAYER -R DISCS (8.5GB)

LARGE BUFFER MEMORY: 4MB

 ROHS COMPLIANT



BLU-RAY DISC			DVD				CD	
10x BD-ROM MAX READ	10x BD-R MAX READ	8x BD-RE MAX READ	16x DVD+R MAX WRITE	8x DVD+RW MAX WRITE	6x DVD-RW MAX WRITE	16x DVD-ROM MAX READ	48x CD-R MAX WRITE	24x CD-RW MAX WRITE

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THE SUPER MULTI BLUE ADVANTAGE

Multiple Compatibility

In addition to read and access Blu-ray formats, the CH10LS20 Super Multi optical drive can read and write three types of DVD in one convenient package:

1. DVD+R
2. RW DVD-R
3. RW DVD-RAM

This gives you the option to choose the media best suited for each task.

Serial ATA Technology

Serial ATA is a 1.5Gbps evolutionary replacement for the Parallel ATA physical storage interface used to connect storage devices, such as hard disks, DVD and CD rewriters to the PC motherboard. Serial ATA is scalable, enables design of smaller PCs, and will allow future enhancements to the computing platform.

LightScribe - Direct Disc Labeling

LightScribe gives you the ability to create customized labels that are etched directly onto a special coated LightScribe disc (sold separately).

TECHNICAL SPECIFICATIONS

TYPE	Super Multi Blue Internal SATA 10x Blu-ray Combo Drive
TRANSFER RATES - WRITE	
DVD-R	2x, 4x CLV, 8x ZCLV, 8x, 12x P-CAV, 16x CAV
DVD-R DL	2x, 4x CLV, 8x P-CAV
DVD-RW	1x, 2x, 4x, 6x CLV
DVD-RAM	2x, 3x CLV, 5x, 12x P-CAV
DVD+R	2.4x, 4x CLV, 8x ZCLV, 8x, 12x P-CAV, 16x CAV
DVD+R DL	2.4x, 4x CLV, 8x P-CAV
DVD+RW	2.4x, 4x, 6x CLV, 8x ZCLV
CD-R	8x, 16x CLV, 24x, 32x, 40x P-CAV, 48x CAV
CD-RW	4x, 10x, 16x CLV, 24x ZCLV
TRANSFER RATES - READ	
BD-ROM (SL/DL)	10x / 8x CAV
BD-R (SL to H)	6x CAV
BD-R (SL/DL)	10x / 8x CAV
BD-RE (SL/DL)	8x / 6x CAV
BDMV (AACs Compliant Disc)	4.8x CAV
DVD-ROM (SL/DL)	16x / 12x CAV
DVD-R (SL/DL)	16x / 12x CAV
DVD-RW	12x CAV
DVD+R (SL/DL)	16x / 12x CAV
DVD+RW (SL)	12x CAV
DVD-RAM	2x, 3x CLV, 5x, 12x P-CAV
DVD/Video (CSS Compliant Disc) (SL/DL)	12x / 8x CAV (SL/DL)
CD-R/RW/ROM	48x / 40x / 48x
CAVCD-DA (DAE)	40x CAV
80mm CD	16x CAV
ACCESS TIME	
BD-ROM	180 ms typ.
DVD-ROM	160 ms typ.
DVD-RAM	180 ms typ.
CD-ROM	150 ms typ.
SUSTAINED TRANSFER RATE	
BD-ROM	359.65 Mbits/s (10x) max.
DVD-ROM	22.16 Mbits/s (16x) max.
CD ROM	7,200 kB/s (48x) max.
BURST TRANSFER RATE	
1.5Gbps bits/s (10b side)	
1.2Gbps bits/s (8b side)	
BUFFER SIZE	4MB Buffer Under-run prevention function embedded
HOST INTERFACE	Serial ATA bus interface (1.1a) X3T13 ATA/ATAPI7/1532D INF-8090i Ver.6.1 INCITS xxx T10/1675D Revision 4
LIGHTSCRIBE LABEL PRINTING	
Pixel Resolution	600 [DPI]
Track Resolution	860 [TPI]
Linear Velocity	0.325 [m/sec]
Laser Power	40 [mW] as Objective emission light
Color	Mono, Color BG
SECURDISC	Media: CD-R, CD-RW, DVD+R, DVD-R, DVD+RW, DVD-RW, DVD+R DL, DVD-R Dual, DVD-RAM Password Protection Digital Signature Data Integrity check Data Reliability (Not 100% Proof) Copy Protection (PDF file only, except CD-R, CD-RW media) Only use Bundle Tool Software (Ref. www.securdisc.net)
OPERATING SYSTEMS	Windows 7, Windows Vista™, Windows XP
COMPLIANCE	RoHS
DIMENSIONS (WxHxD)	External Dimensions 5.7" x 1.6" x 6.8" (146 x 41.3 x 172 mm) Front Bezel 5.8" x 1.7" x 0.2" (148 x 42 x 5 mm)
WEIGHT	1.8 lbs (800g)

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LG
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Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

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