

INPUT MEDIA DATA SPECIFICATIONS				
Europe	DVD/CD/Blu-ray	EDS001	Issue6	October 2022

DVD/CD Input Media Data Specification

Vantiva currently accepts data on the media listed below. However, we are constantly expanding our support for other formats and are always available for advice on any data transfer enquiries.

Please note each individual media submitted must be accompanied with a DVD PreMastered Input Media Form (ref. EDS019 for DVD\EDS024 for Blu-ray)

Media	Type	Format
*DLT (Digital Linear Tape)	Tape - Series III, IV Drive _DLT4000, 7000 & 8000 only may be used	DLT tape must contain a DDP or CMF file set.
DVD Recordables	DVD-R (A) [Authoring] or DVD-R (G) [General] are acceptable. DVD+R or DVD-R (DL) [Dual Layer] are acceptable. NB. Multi-session recordable DVD discs are not acceptable.	<ol style="list-style-type: none"> “Finalised” (playable) Recordables - no copy protection (except Macrovision ACP) to be applied. DDP Fileset Recordables - one disc per layer with each file set in that disc’s root directory. Dual Layer DVD-R’s are not preferred format. If there is a strict need to supply a dual layer master, please clearly mark this information on IMF.
DVD/CD Production Discs (Production discs)	DVD-5, DVD-9 & CD are acceptable. No copy protection to be present. Exception: Macrovision ACP	
CD Recordables	CD-R audio masters should be recorded in a single session (DiscAt-Once) and meet Red Book specifications. Multisession discs must be closed and finalized. Masters containing CD-TEXT must be clearly identified. Note:Refer to EDS023 for more details concerning CD-ROM and CD Audio data submission	Finalised” (playable) Recordables - no copy protection to be applied. Total capacity of Audio and Data is 74:00. Absolute maximum capacity is 79:40.
WAM!NET, Direct!Gateway, Aspera	High speed Electronic transmission.	DDP or CMF file set are recommended and preferred (.iso images are accepted)
Hard drive	USB 2.0/3.0/Firewire (HDD must be formatted in Windows NTFS system)	DDP or CMF file set.

*see <http://www.dltpape.com> for general information on DLT tapes.

Copy protection systems: CD and DVD Formats

Vantiva can replicate optical media using various copy protection formats. You should contact the owner of the copy management system for specific details regarding how you should create your replication master. The following list is constantly changing. Make sure that the master is clearly identified with the copy protection used.

Format	Copy protection	Requirements
CD-ROM, DVD-ROM	SafeDisc	1. The master has to be marked "SafeDisc protected" 2. DDP or CMF file set on master should be compressed to zip or rar file. Please contact **Rovi for more specific Mastering instructions
CD-ROM, DVD-ROM	SecuROM	1. The master has to be marked "SecuROM protected" 2. We need to know which exe file(s) has been protected, e.g. "aplgame.exe" 3. In case when exe file (s) is not in root directory (hidden files, archive files) send us CD-R with executable file, which should be used for encryption 4. Backup copy of above at the client discretion
DVD-Video	CSS	It must be identified in the image file set at the authoring stage
	RipGuard	Please contact Rovi for Mastering instructions
	Macrovision	
	Patronus	Protection added at Premastering stage

**see <http://www.rovicorp.com> and check out their brochures

BD Input Media Data Specification

Media	Type	Format
***LTO (Linear Tape Open)	Tape - Series 1 (read only), 2,3 Drive - Series 2,3	LTO tape must contain a BDCMF/CMF file set. Use Windows Backup Utility to copy the BDCMF file set to an LTO cassette. Make sure "Verify After Copy" is turned on in Windows Backup.
BD-R	At the client discretion	BDCMF/CMF file set are required
Hard drive	USB 2.0/3.0/Firewire (HDD must be formatted in Windows NTFS system)	BDCMF/CMF file set are required
WAM!Net, Direct!Gateway, Aspera	High speed Electronic transmission.	

*see <http://www.lto-technology.com> for general information on LTO tapes.

Copy protection systems: BD Format

Format	Copy protection	Requirements
BD Video	****AACS encryption (Advanced Access Content System) - Encrypted Content	Required for Type A images. Additional processing time required for authorization of Content Certificates. Additional charges will apply for this service.
	MKB (Media Key Block)	

**** see <http://www.aacsla.com> for general information on AACS products