
Specification for CD and DVD Input Media

This document gives an overview about the specifications for the input media to be supplied by our customers.
Only if this requirements are fulfilled an adequate disc replication at customers option is possible.

1. CD-Audio



The structure of the provided data carrier must correspond to the "Red-Book-Specification":

- Tracks max. 99
- Indices per Track max. 99
- Sampling frequency 44,1 kHz
- Track length > 4Sek.
- Pause before the 1.Track: 2 until 3 sec.

Accepted Data carriers for a CD-Audio production

Standard Formats:

- **Audio CD / CD-R** build up in a **Disc At Once Modus**, in compliance with CD-Specification „Red Book Philips / Sony“

Exabyte 8 mm Tape

- Format EXB 8500
- Without data compression
- ANSI Labelled Files (DDP-Files (Disc Description Protocol) and Image File)

CD-Image (DDP-Image only)

The image files should be stored on CD-R, DVD-R as CD-ROM or DVD-ROM.
Per data carrier, only one DDP-image is allowed.
The DDP-Files must be stored in the ROOT-Directory.

CD-Image per file transfer

Ask your EDC Sales & Services partner for your own user access to the EDC FTP-Server

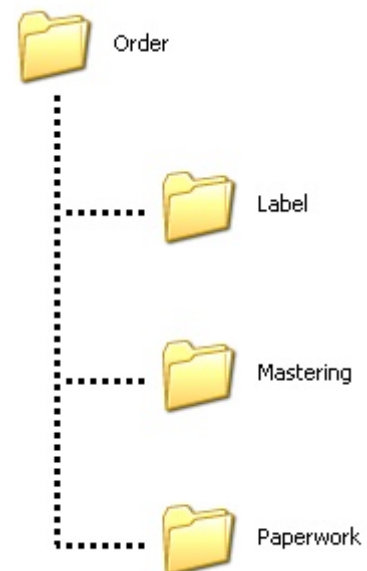
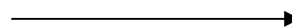
In this case further image types are accepted additionally:

- DDP-Image
- Nero-Image

As compression-formats, we accept:

- ZIP
- RAR
- TAR

Please use following folder structure
for the FTP-Server.



Not accepted Non Standard Formats:

- Because here some additional studio work is necessary, please contact your EDC Sales & Services partner to look for options.

i.e. Wave, AIFF, MP3, Ogg Vorbis

Maximum CD- Play time:

- 12 cm Disc 79 min.
- 8 cm Disc 23 min.

Mastering-Service:

- We test your data carrier for technical usability
- Bit to Bit Check between your data and the manufactured CD-Audio

2. CD-ROM

CD-ROM Formats:

- CD-ROM (Mode 1)
- CD-ROM XA
- CD-ROM Mixed Mode (CD-ROM + Digital Audio)
- Multi Session CD
- CD-Extra / Enhanced Music CD

Accepted Data carriers for a CD-ROM production.

Standard:

CD / CD-R build up in a Disc At Once Modus

- in compliance with CD-Specification „Yellow Book Philips / Sony“

Exabyte 8 mm Tape

- Format EXB 8500
- Without data compression
- ANSI Labelled Files (DDP-Files (Disc Description Protocol) and Image File)

CD-Image (DDP-Image only)

- The image files should be stored on CD-R, DVD-R as CD-ROM or DVD-ROM.
Per data carrier, only one DDP-image is allowed.
The DDP-Files must be stored in the ROOT-Directory.

CD-Image per file transfer

Ask your EDC Sales & services partner for your own user access to the EDC FTP-Server

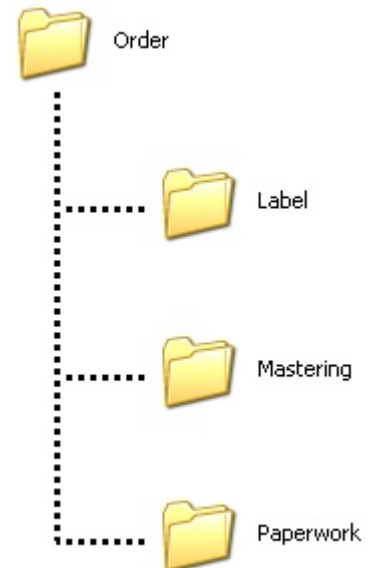
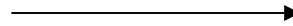
In this case further image types are accepted additionally:

- DDP-Image
- ISO-Image
- Nero-Image

As compression-formats, we accept:

- ZIP
- RAR
- TAR

Please use following folder structure
for the FTP-Server.



Maximum CD-Data size:

- 12 cm Disc 700 MB ca. 79 min.
- 8 cm Disc 200 MB ca. 23 min.

Mastering-Service:

- We test your data carrier for technical usability
- Bit to Bit Check between your data and the manufactured CD-ROM

Mastering Service on inquiry:

- Virus check
- Iso-Formatting (ISO 9660 / Joliet)
- Macintosh HFS-Formatting
- Kopplungen (Audio CD mit CD-ROM)
- SecuROM copy protection Internet: www.securom.com
- Protect-Disc Internet: www.protectdisc.com

3. DVD



DVD Formats:

- DVD 5, 9, 10
- DVD Video
- DVD ROM

Accepted data carriers for a DVD production:

DVD / DVD-R

Digital Linear Tape (DLT)

- Tape Type III und IV
- Format DLT 4000 / 8000 / DLT1
- Without data compression
- ANSI Labelled Files (DDP 2.0 u. Image File)

DVD-Image (DDP-Image 2.0 or CMF (Cutting Master Format))

- The image files should be stored on DVD-R as DVD-ROM.
Per data carrier, only one DDP-image is allowed.
The DDP-Files must be stored in the ROOT-Directory.

DVD-Image per File transfer

Ask your EDC Sales & services partner for your own user access to the EDC FTP-Server

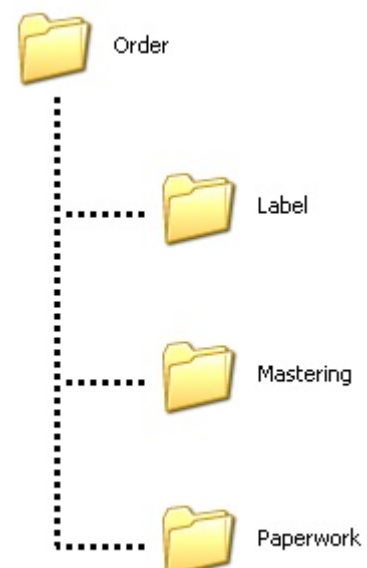
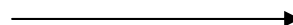
In this case further image types are accepted additionally:

- DDP-Image, CMF-Image
- ISO-Image (DVD5 only)
- Nero-Image (DVD5 only)

As compression-formats, we accept:

- ZIP
- RAR
- TAR

Please use following folder structure
for the FTP-Server.



Amount of data:

DVD 5		2.293.760 Sectors (1 Sector = 2048 Byte)
DVD 10		2.293.760 Sectors (1 Sector = 2048 Byte) per side
DVD 9	Layer 0	2.084 960 Sectors (1 Sector = 2048 Byte)
DVD 9	Layer 1	2.071.072 Sectors (1 Sector = 2048 Byte)

(For a DVD 9 production one data carrier per layer is needed)

DVD-Copy protection (DVD-Video):

CSS (Content Scrambling System)

- **Your authoring house / authoring software has to support the CSS copy protection.
Your input media must include CSS tagged files.**

Mastering-Service:

- We test your data carrier for technical usability
- Bit to Bit Check between your data and the manufactured DVD

Mastering Service on inquiry:

- DVD-ROM Formatting (UDF / Joliet Format)
- Copy protection SecuROM for DVD-ROM

Contact person:

Premastering
Frank Eggers
Arno Slesinger

Entertainment Distribution Company GmbH
Emil-Berliner-Strasse 13
30851 Langenhagen Germany

Tel: + 49 (0) 511 972 - 1731
Fax: + 49 (0) 511 972 – 1732

Premastering@edcllc.com