



Online-connections for Master-Data transfer to

Please use our online connection to transfer your data to Sonopress. We can offer several options for you.

The connections preferred by our customers are:

- **Signiant Media Shuttle**
- WAM!NET
- **EMU – Easy Media Upload**
- In exceptional case FTP would be possible

We recommend using Signiant Media Shuttle for Master-Images and EMU for Artwork files.

You will get access information for the available connections from your customer service manager.

Data download from customer servers is not part of our standard procedures and is only rarely possible.

If your master data is already completely prepared for media replication “production master” (uncompressed), then please send us the complete master-image folder plus the associated metadata.

Suitable image formats are:

- DDP 2.0 – Image or DDP 2.1 - Image for CD-Audio, CD-/DVD-ROM, DVD-Video
- BD CMF 0.9 or newer/ SonyCMF – Image for Blu-ray Video Disc
- *BD CMF 0.9 or newer/ ISO-Image for **Blu-ray Data Disc (Type P)***
- UHD-BDCMF 0.8 or newer for **UHD Blu-ray Video Disc (4K)**
- *ISO-Image for CD-ROM, DVD-ROM*
- Nero – Image for CD-Audio, CD-/DVD-ROM
- Roxio Toast – Image for CD-Audio, CD-/DVD-ROM

For DVD 9 Video you need to transmit two DDP-Images, one for each layer.

Before uploading the image folder, it is mandatory to generate a MD 5 checksum

Checksum File Specification

- To prevent data security it is mandatory to add a plain text file containing the MD 5 checksum information for each file in the folder.
- Master images with missing corresponding checksums won't be processed without written confirmation by the customer.



Sample tool to use for generating MD5 sums:

<http://www.md5summer.org/>

The checksum file must be located into the image folder.

Filename: **Chksum.md5** -- contains the MD5 checksum(s) followed by the filename(s) (case sensitive), separated by a single space and followed by an asterisk.

Sample:

CD-Image :

```
a5df407ae447cf265324fd398a0ff84b *ic05.trk
28011bf09e623fed7bb3e75706cacc14 *ic04.trk
fbc176a62ab1059ce2af35b0968c806c *ic03.trk
49ffdb18ffe9d29f47cde142636807cd *ic02.trk
7328ae72735db4c17cd5e84901512758 *ic01.trk
48802dd402385200d1960352e61eb54f *ddppq
bd091a3a33a21de0096888d6f7e153c1 *ddpms
02194de0b2c411e1725c44e23ecb3135 *ddpid
```

DVD-Image :

```
ca42f7f4e5c2e45db98d12c184f9236b *CONTROL.DAT
09e008c8e8540d5730f6e8f7c06d48bc *DDPID
532167c846f4ce86e173eb6a5354d653 *DDPMS
2978fb9dc2db29874dab5aa3d3bc9959 *MAIN.DAT
```

BD-Image :

```
d5ad8257ca33bb4c184d11535549ad33 *BDCMF.CMF
ce03808e998939e889e80ca4407d1559 *FAI.DAT
976a385eec8e62c211cea9d24c01e83d *PACL0.DAT
8edc80df80747bf5969fd66ee859f509 *PIC.DAT
0b135648064a43a006f20f81db90fda1 *UCD.DAT
c59e47b39abb646d1721284adf4fef51 *UD.DAT
```

ISO-Image :

```
7328ae72735db4c17cd5e84901512758 *IMAGE.iso
```

Please inform your customer service manager about the transferred master folder name and Meta Data together with your production order.



Master Data Process
Sonopress-Germany

