

**Technical requirements for the digital delivery of an advert to ZDF:**

For the digital delivery of an advert you can use the ZDF-Filetransfersystem **Aspera Faspex**. Please apply for your access data. **You will receive an email from us with your personal access.**

All information about Aspera Faspex can be found on our homepage under the technical technical delivery specifications:

<https://www.zdf-werbefernsehen.de/unternehmen/kundenservice/bandlose-spotanlieferung/>

**The following technical specifications apply:**

**Video encoding:**

XDCAM HD 422, 720p50 oder 1080i/25, 50MBit/s, Containerformat: MXF OP1a  
AVC-I100, 720p/50 oder 1080i/25, Containerformat: MXF OP1a

**Audio encoding:**

Linear PCM, 24 Bit / 48 kHz. Channel assignment: stereo broadcasting sound on track 1 & 2, level control in accordance with the technical guidelines.

For adverts and sponsorship trailer applies after the R128s1:

Target level Programme Loudness: **-23,0 LUFS (± 0,5 LU)**  
Maximum Short term Loudness: **-18,0 LUFS**

Maximum True Peak Level: **-1dBTP**

Each advert must be delivered in a separate file (maximum length: 5 mins). Each file must be assembled with **2 frames of black before and after the advert**. The file name may not exceed 32 characters. Please make sure that the file name does not include any special characters (including ß, ä, ö, (, <, & ...). The SOM should start at 00:00:00:00. Only MXF files may be placed on the server.

For first-time users of our system it is required to send us a test file for our approval in advance, otherwise we are unable to guarantee a broadcast of the advert. Please take into account that we need the file five working days before the broadcast, just like tapes, as they still need to be approved regarding technical specifications and content. If necessary, however, a shorter term solution can be arranged on demand.

Our colleagues in the Advertising Department would be happy to help you if you have any technical queries. Call: **0049 (0)6131/701-8860**.

In order to send you the login data, we need you to e-mail the following information to the contact people in our Planning Department:

<http://www.zdf-werbefernsehen.de/unternehmen/unternehmen/kontakt/team-zdf-werbefernsehen/>

- Company
- Name of contact
- Telephone number
- E-mail address

The delivery form has to be completed separately for every single advert.

<http://www.zdf-werbefernsehen.de/unternehmen/kundenservice/bandlose-spotanlieferung/>

Our Planning Department is happy to help in case you have any queries.

Call: 0049-6131 / 70140 -18, -28, -29

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