

### ! READ CAREFULLY

Please pay **close attention** to our master copy specifications on these 2 pages. If your copy doesn't confirm to this, there is a possibility we can't get the film to play and it won't be eligible to enter the competition. Please don't send us your film in whatever format you're comfortable with, thinking we can make an exception. With the gigantic amount of films we receive, we won't be able to make exceptions. So please pay attention to our guidelines for your and our convenience and because they follow industry standards. Thank you!

3-D stereoscopic master copy specs differ, please scroll through to the next page.

### B SPECS VISUALS

KLIK! uses fixed native broadcast resolution and frame rate to screen all films. Because film standards are different in every country, frame rates and resolutions differ around the globe. For the best results, please render your film in the specifications that are stated bold and then output according to your own possibilities in codec and transport medium (as big as possible for the best results). The files must be **square pixel** (preferably) or anamorphic.

#### Resolution

For the best result:

**1920x1080 (HD, 16:9)**

1280x720 (HD, 16:9)  
1024x576 (16:9)

768x576 (4:3)

Accepted, not recommended:

2048x1080 (HD, slightly wider)

1440x1080 (HD, anamorphic)

1024x480 (16:9, NTSC)  
720x576 (4:3 or anamorphic)  
720x480 (4:3 or anamorphic NTSC)

768x480 (4:3 NTSC)

#### Frame rate

We accept 24, 25 and 30fps, but be aware we have to convert all frame rates to **25fps** due to technical restrictions of the cinema.

KLIK! does not accept interlaced video formats, only **progressive**.

All subtitles must be English and embedded in the image.

### A SEND THE MASTER

You can send the file on a USB-stick, data-DVD or data-Blu-ray. Choose the transport medium based on the file size your film requires (see section D).

KLIK! Amsterdam Animation Festival  
PO Box 14626  
1001 LC Amsterdam  
The Netherlands

Please mention 'No commercial value, for cultural purposes only' and mark the envelope with 'No value' to ensure a safe passage of your file.

KLIK! will not pay for any transportation costs, does not accept customs charges and won't be able to return the master copy.

#### Codec + datarate

KLIK! accepts only the following digital files:

#### QUICKTIME .MOV

*Video codec (approx. data rates)*  

- **Apple Prores 422 (HQ) (28 MB/sec)**
- XDCam422HD 50Mbit (7 MB/sec)
- Avid DNxHD 60-220Mbit (8-28 MB/sec)
- AVC-Intra 100Mbit (13 MB/sec)
- IMX 30/40/50Mbit (4-7 MB/sec)
- H264 80-200Mbit (10-25 MB/sec) \*a 4.1 or 4.2 hi-profile@422 level is recommended

#### MPEG-2 (though not recommended) .MPG .MPEG

- Highlevel (HD) 1920x1080, or Mainlevel (SD) 720x576
- Min. 15, max. 40-50Mbit/sec
- 48kHz 16 or 24bit 2 channel audio
- 422 profile (if possible)
- Multiplexed Program stream

Some codecs have fixed datarates while others are variable. We advice a datarate up to maximum 28MB/sec (approx. 220,000 Mbit) - don't mix up MegaByte and Mega bit, check Wikipedia. You can calculate your data rate settings at [digitalrebellion.com](http://digitalrebellion.com) or [digital-heaven.co.uk](http://digital-heaven.co.uk).

#### Color

For the best color reproduction, use **HDRec709 colorspace** in your editing package when rendering your film. RGB colorspace can give undesired results.

## C SPECS AUDIO

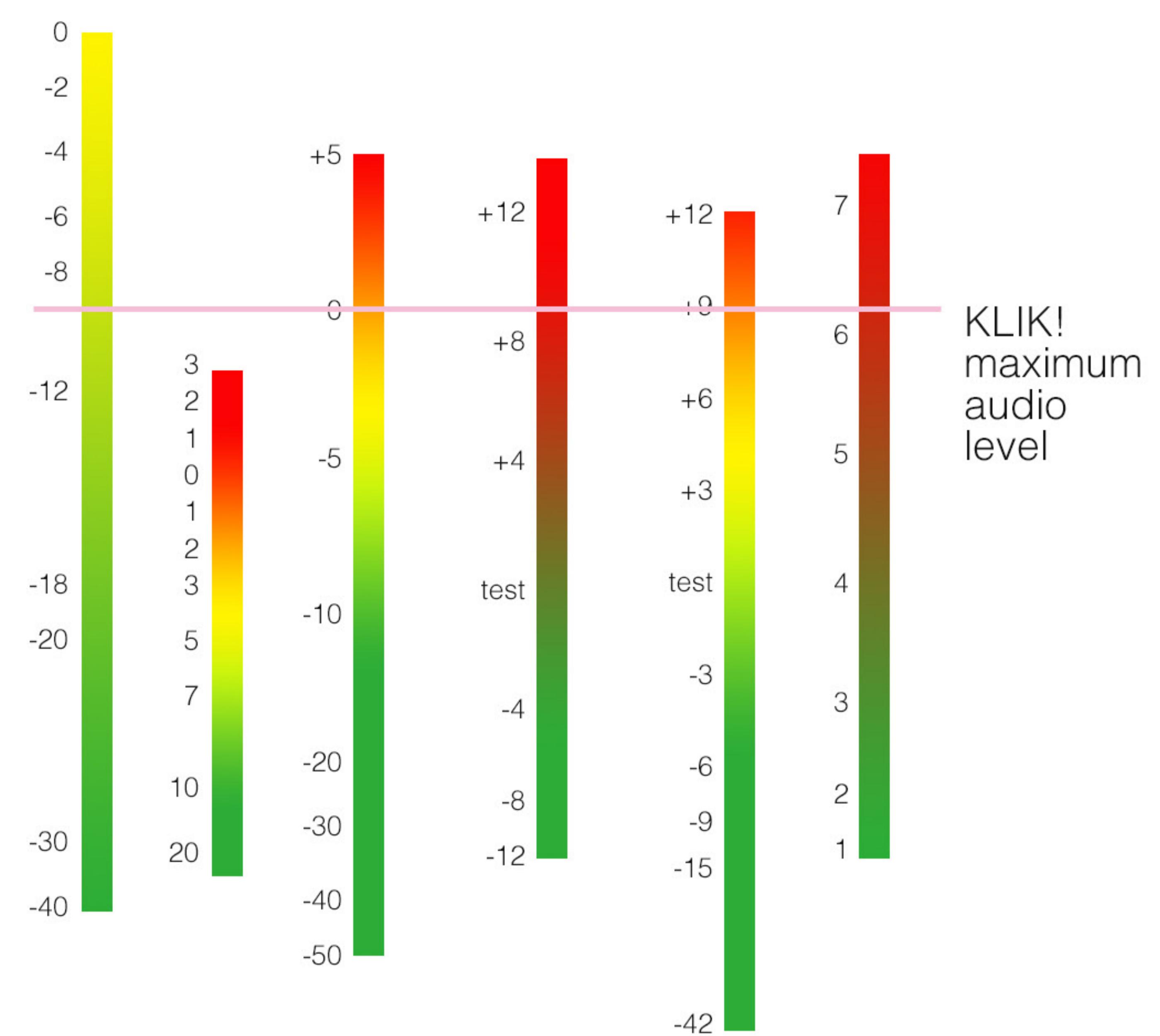
Please pay attention to your audio mix for the audience's best viewing experience. To avoid annoying KLIK!'s visitors with audio that's too loud or too soft, KLIK! uses the former **EBU-Dutch** broadcast standard. This means:

- maximum accepted audio levels are -9dbFS (digital meters);
- if you're using a (DIN)PPM meter the maximum audio level is 0db;
- please notify us if you mixed your movie according to the new R128 loudness norm.

We use this standard so all films more or less play at an equal level of loudness. Since there are different audio level meters and different standards apply throughout the world, we made a comparison chart for you that compares the different scales -->

Use **48khz 16 or 24bit 2ch PCM-Stereo or AAC** (high bitrate) for the master copy.

Surround Sound is only possible using Dolby Prologic IIx in a Stereo compatible track. If you have Surround Sound, please encode it in a 2ch (stereo) compatible format and put this 2ch mix back under your film. To do this you can use Prologic IIx plug-ins like Dolby Media Generator or SurCode for Dolby Pro Logic II.



EBU VU DIN PPM EBU PPM Nordic UK PPM  
Digital Meter Meter Meter Meter PPM Meter

- \* Incidental audio spikes above the headroom of -9dBFS are allowed. You don't need to limit your total audio mix at -9dBFS precisely.
- \* If you already mixed your film to a maximum 0dbFS a level shift to -9db will do the trick.

## D TRANSPORT MEDIUM

Accepted media are USB-sticks, data-DVDs (4,7 or 8GB) or data-Blu-Ray discs (25 or 50GB). KLIK! does not accept hard disks, tapes or film prints.

If you have a very short movie that fits in 2GB, [klik.wetransfer.com](http://klik.wetransfer.com) could be a cheap solution for you. However we advice against sending films longer than 1.30 minutes via internet. We'd rather receive a physical high quality cinema copy.

Encoding can be a lot of work, involving much trial and error. If you need help please consult your local professional postproductionhouse or a website like [Kenstone.net](http://Kenstone.net).

## E SPECS 3-D

If your film is stereoscopic (3-D), we need a **s3D DCP**. You can stick with the standard DCP specs, but if you have specific questions please contact [tech@klikamsterdam.nl](mailto:tech@klikamsterdam.nl).

We'd like to stress the importance of having a professionally made and tested DCP by a post-production house instead of making it yourself. Make sure your film title is embedded in the DCP. We receive a lot of files titled 'easy DCP creator' which makes the films indistinguishable from each other. Furthermore, cheap discs and high burning speeds tend to be a risk of failure once ingesting it in the cinema. So please use a high quality transport medium like a Verbatim data-DVD or data-Blu-ray, and a low burning speed with data check. Another option is to send us a hard disk, but please make sure it's very well packed - package drops cause hard disks to break. Also make sure it has an USB2 connection. In this special case we will return your hard disk at our expenses, at the latest 4 weeks after the festival.