



## Advantage Audio Description File Viewer

Advantage File Viewer is a Windows based software application for viewing the script content, and playing the individual WAV files contained within in a standard ESEF Audio Description file. The application also includes a comprehensive file Quality Check utility.

This application should prove useful to anyone involved with the creation, editing or processing of Audio Description files for broadcast, DVD or web delivery.

Overall Start Time	Audio Start Time	Audio End Time	Overall End Time	Audio Duration
10:08:12:19	10:08:12:22	10:08:22:20	10:08:22:23	00:00:09:23

Overall Duration
00:00:10:04

WAV File  
WAV Format **Format: Uncompressed 16 Bit 2 Channels 48000 Hz**    
BWA Data **NOT Present**  WAV Duration **00:00:11:12**

### Key features

- Displays each script text with related timecode information
- Displays a graphic of the recorded WAV and offers audio playback of each file
- Displays the WAV recording bit rate and resolution
- Allows viewing of the embedded BWA data

## ESEF file QC includes

- Verify that the Header Block, Thread Descriptor Block and Authorship Information Block exist
- Check that a WAV file is present for each description
- Check that Overall In Time > Overall Out Time
- Check that Audio In Time  $\geq$  Overall In Time
- Check that Audio Out Time  $\leq$  Overall Out Time
- Check that next description Audio In Time  $\geq$  current Audio Out Time
- Check that next description Overall In Time  $\geq$  current Overall Out Time
- Pan/Fade checks
- Check that Fade Start Time  $\geq$  Overall In Time
- Check that Fade End Time  $\leq$  Overall Out Time
- Check that next fade Start Time  $\geq$  current Fade End Time

## PC requirements

Operating system - Microsoft Windows 10 or Windows Server 2016.

The PC hardware should have the following recommended minimum specification: Intel i5 or dual-core Xeon processor at 2.5GHz (or equivalent AMD processor) and 8GB RAM.

## ESEF Files

ESEF is a widely used broadcast standard interchange file format for Audio Description, and is the required source file format for the Advantage Compiler products.

An ESEF file sets consist of an .esf file and a set of individual WAV files associated with each description.

The .esf file contains - script data for each description, in-time and out-time timecodes of each description, the filename of the WAV file for each associated description - not the actual audio recording itself, the fade duration, fade depth and stereo pan data for each description

The recommended fade depths for broadcast use are: 1/3dB, 3dB, 6dB, 9dB, 12dB, 15dB, 18dB, 21dB, "Maximum" i.e. no programme sound audible at all.

The recommended fade durations for broadcast use are: 0 frames, 3 frames, 10 frames, 25 frames.

## Associated products

Advantage Audio Description File Viewer is one of a family of Audio Description products available from Starfish Technologies Ltd. Together these products can be configured to create complete AD workflow solutions. Please see [www.starfish.tv](http://www.starfish.tv) for more details.

***All specifications and minimum requirements are subject to change without prior notice. Please check before purchase.***