

# LAST WHISPERS

## TECHNICAL SPECIFICATIONS FOR 30-MINUTE AV INSTALLATION

### DELIVERY OPTIONS

- DCP (as a DCP disc and as a DCP on a flash drive)
- Bluray Disc with 7.1, 5.1 or Stereo versions
- Dropbox links to all versions
- Hard drive with 7.1 / 5.1 / Stereo / Binaural

### VIDEO REQUIREMENTS

*Last Whispers* video projection requires a well-calibrated, strong projection capability to avoid accidental (magenta or other) coloring. The black and white film shows at 1920 x 1080 resolution as a black-and-white animation film.

### AUDIO REQUIREMENTS

*Last Whispers* was originally composed and mixed in a non-standard 8.1 speaker format with 8 full fidelity speaker channels arranged in an equidistant octagonal array with the .1 speaker (channel 9) being a standard subwoofer.

However, versions of the audio mix have been mastered to accommodate standard cinema 7.1, 5.1 or Stereo. These versions are available in either DCP or Bluray Disc format. They are also available as individual audio tracks (either interleaved or separate), for playback with the standalone Quicktime ProRes video file, using Qlab or similar software.

If streaming over a two channel device, we may also provide a L/R dynamics reduced mix for podcasts or internet streaming, and a two channel binaural mix (for headphones).

### AUDIO SPECS

Mastering was done with SPL set to 85dB C weighted for the main channels and 90db for the subwoofer.

The individual audio files are in the following format:

FORMAT - .wav

SAMPLE RATE - 48kHz

Bit DEPTH - 24bit

TC - 23.976 Frame rate

Program starts at Time Code: 01:00:00:00

Tones and Setup:

Time Code starts at 00:57:30:00 = Speaker setup audio guide

Time Code starts at 00:58:45:00 = -20dB Pink Noise for 1 minute.