

EBU Recommendation R117-2006



The use of high level digital audio material
in the production chain

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The use of high level digital audio material in the production chain

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Keywords: Digital Audio, Alignment, Headroom, Distortion.

There is overwhelming evidence that finished digital audio material recorded close to FSD level (e.g. as produced for CD and DVD release) can cause excessive distortion when processed within normal broadcast signal paths.

The EBU therefore recommends,

That such material should be ingested without signal processing and then reduced to normal production levels as described in EBU R68-2000 [1].

In this way, signal processing (such as sample rate changing) can take place without exceeding the available digital headroom.

Bibliography

- [1] EBU Recommendation R68-2000: Alignment level in digital audio production equipment and in digital audio recorders.