

## Re: Automatic Gain Control in WMENC 9

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*Source:*

<http://www.tech-archive.net/Archive/Media/microsoft.public.windowsmedia.encoder/2007-04/msg00093.html>

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- *From:* "Neil Smith [MVP Digital Media]" <[neil@xxxxxxxxxx](mailto:neil@xxxxxxxxxx)>
  - *Date:* Sat, 28 Apr 2007 16:30:28 GMT
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On Thu, 26 Apr 2007 07:40:18 GMT, "Rüdiger Faust" <[r.faust@xxxxxx](mailto:r.faust@xxxxxx)> wrote:

i need an Plug In that makes an ACG Function before the Stream is encoded.

Do you mean "AGC", automatic gain control – to keep the level of your audio near to constant ?

Yes, sorry, i mean ACG.

Then I don't know what ACG is. Wikipedia lists these possibilities : <http://en.wikipedia.org/wiki/ACG> which I don't know to choose.

This process usually done by using a compressor / limiter, physical (analog) hardware to keep the audio INPUT at a stable volume.

That's the best way, i know. But we must handle 16 Channels, so we have 16 x 1 HE Processing Boxes, an half Rack. :-) We want to test with a plug in before we buy external hardware.

But you could afford 1x compressor/limiter right ? Even basic musical ones used in home studios are only about \$50, which would be enough to discover if it's working as desired. A high end manufacturer may loan you equipment for a few days if you have a large rack to purchase.

It's much better than expecting the encoder to do this, which will



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clipping at the input (analog sound source). There's no way to recover data above the clipping threshold, it is totally lost (as well as sounding awful)

Cheers – Neil

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Digital Media MVP : 2004–2007

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