

Re: What kinds of IC amplifiers would Kenwood use?

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- *From:* JosephKK <joseph_barrett@xxxxxxxxxxxxxx>
 - *Date:* Thu, 06 Dec 2007 22:08:41 -0800
-

krw krw@xxxxxxxxxx posted to sci.electronics.design:

In article <cJo5j.22953\$4V6.17758@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, joseph_barrett@xxxxxxxxxxxxxx says...

krw krw@xxxxxxxxxx posted to sci.electronics.design:

In article <474F7567.44F9DACB@xxxxxxxxxxxx>, rabbitsfriendsandrelations@xxxxxxxxxxxxxx says...

krw wrote:

rabbitsfriendsandrelations@xxxxxxxxxxxxxx
says...

krw wrote:

rabbitsfriendsandrelations@xxxxxxxxxxxxxx
says...

Jim
Thompson
wrote:

D
from
BC
<myrealaddress@xxxxxxxxxxxx>
wrote:

Perhaps
audio

Re: What kinds of IC amplifiers would Kenwood use?

process
the
original
CD
with
software
and
burn
a
new
'tweaked'
CD.
I'm
pretty
sure
there's
audio
apps
that
can
do
that.

Any
AM
radio
station
has
a
expander/compressor
to
keep
the
modulation
stabilized...
maybe
something
of
that
sort?

Whoooooosshhhhhhhh
!

Jim's
tenuous
grasp
on

Re: What kinds of IC amplifiers would Kenwood use?

the
real
world
is
revealed
all
over
again.

No,
radio
stations
DON'T
use
expanders
actually.
None
are
FM
stations
immune
>
from
the

habit
of
compressing
the
fuck
out
of
everything.

Is
that
why
that
thing
radio
stations
use
is
called
a
"oompander"?

It isn't.

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Dumb Donkey!

Dumb
donkey!

Find an
example of
level
expansion
in this
classic
example
of the beast.

<http://www.orban.com/products/radio/am/9300/>

You pick a particular
product that fits the sky
color in your
world
and want me to tell you how
it works? Why don't you just
look
at what radio stations
actually use?

Orban's Optimod is the very pinnacle of
what radio stations use
you ignorant fucking MORON.

Rado stations use COMPRESSORS, not
expanders.

Is ***THAT*** why they're called "companders", **DUMB**
donkey? Is that
why they have "up to 25db gain, **DUMB** donkey?"

Graham

the **DUMB** donkey!

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Just a question: Is it possible to do compression without adding gain?

I don't see why not. A compressor (audio) reduces the dynamic range of a signal, so a circuit using a non-linear passive element could be envisioned as a compressor.

I suppose one could even build an expander using a nonlinear element with the opposite transfer function as the imagined compressor above. For example, a compressor could be built out of a resistor-thermistor divider. More power \rightarrow heat, which could be used to modify the ratio in either direction depending on the temperature coefficient of the thermistor. Being passive, both would have gain less than unity.

OK. It may be doable. How many instances of doing it without gain, compared to instances of doing it with gain can you find?

.