

Chart of Gain – dB Correlations

Getting a Handle on dB values

Gain Increase Factor	dB Alteration	Gain Reduction Factor	dB Alteration	Reduction on 32767 scale
1.0	0.0dB	1.0	0.0dB	32767
1.5	3.5dB	0.7	-3.1dB	22936
2.0	6.0dB	0.5	-6.0dB	16383
2.5	8.0dB	0.4	-8.0dB	13106
3.0	9.5dB	0.35	-9.1dB	11468
3.5	10.9dB	0.3	-10.5dB	9830
4.0	12.0dB	0.25	-12.0dB	8191
8.0	18.1dB	0.125	-18.1dB	4096
16	24.1dB	0.0625	-24.1dB	2047
32	30.1dB	0.03125	-30.1dB	1024
64	36.1dB	0.015626	-36.1dB	512
128	42.1dB	0.0078125	-42.1dB	256
0.0	-96dB (i.e., zero level)			0



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