

Revolution Acoustics EQ tables for SSP6 Transducer

CONFIDENTIAL

The filter values in the following tables are based on measured optimum SPL under laboratory conditions. Each installation is unique. Results may vary based on the actual substrates used, the substrate construction and the room itself. It is recommended to adjust the EQ for each unique installation, but where this is impractical, the following tables may provide a starting point.

Drywall - transducer in-wall			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	84	-4	3
Parametric Filter	120	+2	3
Parametric Filter	330	-3	1.41
Parametric Filter	3000	+6	2
Parametric Filter	4900	-5	4
Parametric Filter	12000	-7.8	1.41
Parametric Filter	14100	-4	1

Drywall - transducer on room side			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	140	+4	3
Parametric Filter	230	-11	1.41
Parametric Filter	650	-3	2
Parametric Filter	980	+6	2
Parametric Filter	3300	+10	1.41
Parametric Filter	6000	-1	1.41
Parametric Filter	8700	+8	3
Parametric Filter	16000	+5.2	1.41

General EQ - starting point for new systems			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	672	3	3.1
Parametric Filter	2436	+4	0.71
Parametric Filter	12500	3	1

MDF 1/2"			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	280	-4	1
Parametric Filter	1000	-4	2
Parametric Filter	3600	+6	0.7
Parametric Filter	12000	-8	0.7

Glass (window glass)			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	76	-2	3
Parametric Filter	102	+3	3
Parametric Filter	260	-2	0.71
Parametric Filter	800	+2	0.71
Parametric Filter	2000	-2	2
Parametric Filter	3200	+4	1.41
Parametric Filter	7000	-1	2
Parametric Filter	15000	-4	1.41

Fiberglass			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	

High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	120	+3	2
Parametric Filter	174	-5	2
Parametric Filter	672	+0.8	3.1
Parametric Filter	3000	+2.8	1
Parametric Filter	7370	-6	2

Sheet Metal			
Name/Type	F	Boost (+) / Cut (-)	Q
	Hz	dB	
High Pass Filter, 2nd order	60	0	0.7
Low Pass Filter, 2nd order	20k	0	1
Parametric Filter	100	+4	1.41
Parametric Filter	216	-3	3
Parametric Filter	672	+3	3.1
Parametric Filter	2436	+4	0.71
Parametric Filter	7300	-3	1
Parametric Filter	1250	+3	1

Date	Change	Reason	By
2014-06-04	Created from DSP files (Rev 2)	To allow programming of other DSPs	TG