



Technical Notes

E Series Tunings

DSP settings for QSC E Series loudspeakers

The E Series speakers, with their internal passive crossover and high-power loudspeaker drivers, sound very good on their own. Their performance can, however, be enhanced with these DSP tuning parameters.

NOTE: In the prescribed low-pass and high-pass filter settings, the recommended alignments and slopes are fourth-order Linkwitz-Riley and 24 dB/octave.

E10

	GAIN	FREQUENCY	BW
HPF		65 Hz	
EQ 1	+9	69 Hz	0.8
EQ 2	-2	1250 Hz	0.6
EQ 3	+5	4000 Hz	1.2
EQ 4	-8	5000 Hz	0.7

E10 used with subwoofer

	GAIN	FREQUENCY	BW
HPF		85 Hz	
EQ 1	+1.5	150 Hz	1.1
EQ 2	-2	1250 Hz	0.6
EQ 3	+5	4000 Hz	1.2
EQ 4	-8	5000 Hz	0.7

E110

	GAIN	FREQUENCY	BW
HPF		65 Hz	
EQ 1	+9	69 Hz	0.8
EQ 2	-2	1250 Hz	0.6
EQ 3	+5	4000 Hz	1.2
EQ 4	-8	5000 Hz	0.7

E110 used with subwoofer

	GAIN	FREQUENCY	BW
HPF		85 Hz	
EQ 1	+1.5	150 Hz	1.1
EQ 2	-2	1250 Hz	0.6
EQ 3	+5	4000 Hz	1.2
EQ 4	-8	5000 Hz	0.7

E12

	GAIN	FREQUENCY	BW
HPF		54.5 Hz	
EQ 1	+9.5	53 Hz	0.9
EQ 2	-2	630 Hz	0.8
EQ 3	+5	5000 Hz	0.7
EQ 4	-8.5	6000 Hz	0.5

E12 used with subwoofer

	GAIN	FREQUENCY	BW
HPF		85 Hz	
EQ 1	+2	132 Hz	0.8
EQ 2	-2	630 Hz	0.8
EQ 3	+5	5000 Hz	0.7
EQ 4	-8.5	6000 Hz	0.5

E12 dance

	GAIN	FREQUENCY	BW
HPF		54.5 Hz	
EQ 1	+9.5	53 Hz	0.9
EQ 2	-8	690 Hz	0.7
EQ 3	+2	2500 Hz	1.3
EQ 4	-4	6000 Hz	0.6

E15

	GAIN	FREQUENCY	BW
HPF		50 Hz	
EQ 1	+9	53 Hz	0.7
EQ 2	-4	953 Hz	0.9
EQ 3	+1.5	2000 Hz	1.3
EQ 4	-4	10000 Hz	0.7

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E15 used with subwoofer

	GAIN	FREQUENCY	BW
HPF		85 Hz	
EQ 1	+1.5	150 Hz	0.9
EQ 2	-4	950 Hz	0.9
EQ 3	+1.5	2000 Hz	1.3
EQ 4	-4	10000 Hz	0.7

E15 dance

	GAIN	FREQUENCY	BW
HPF		50 Hz	
EQ 1	+10	53 Hz	0.7
EQ 2	-9	547 Hz	0.7
EQ 3	+2	2500 Hz	0.7
EQ 4	-6	10000 Hz	0.6

E18sw Subwoofer

	GAIN	FREQUENCY	BW
HPF		40 Hz	
LPF		85 Hz	
EQ 1	+8	43.7 Hz	0.7