

GAE WaveLine-LE

3-way active with Low Extension

Low Extension 2x18" (BR series)

Gain: 0,0dB (adjust) Delay: 0,7ms (adjust) Phase: +

HPF: 30Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: 90Hz Linkwitz/Riley 24dB/oct. (4th order)

Band-EQ1: 42Hz Q=4,0 B/W=0,36 Gain: 0,0...**2,0**...+5,0dB (Bassboost)
Director-Bass: 45Hz/+5,0dB

Band-EQ2: 182Hz Q=5,0 B/W=0,29 Gain: -10,0dB

(Band-EQ3): 63Hz Q=3,0 B/W=0,48 Gain: +2,0dB

(Band-EQ4): 80Hz Q=3,0 B/W=0,48 Gain: -2,0dB

LMF (10" speaker)

Gain: 0,0dB Delay: 0,72ms Phase: +

HPF: 70Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: 560Hz Linkwitz/Riley 24dB/oct. (4th order)

Band-EQ1: 100Hz Q=1,5 B/W=0,95 Gain: +1,5dB

Band-EQ2: 225Hz Q=4,5 B/W=0,32 Gain: -2,5dB

Band-EQ3: 400Hz Q=4,0 B/W=0,36 Gain: -3,0dB

Band-EQ4: 540Hz Q=4,0 B/W=0,36 Gain: +2,0dB

Band-EQ5: 1300Hz Q=3,0 B/W=0,48 Gain: -12,5dB

MHF (2" speaker)

Gain: 0,0dB (adjust) Delay: 0ms Phase: +

HPF: 675Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: bypass

Band-EQ1: 900Hz Q=5,5 B/W=0,26 Gain: -3,0dB

Band-EQ2: 1290Hz Q=3,0 B/W=0,48 Gain: -2,5dB

Band-EQ3: 2550Hz Q=1,3 B/W=1,08 Gain: -8,8dB

Band-EQ4: 12300Hz Q=3,0 B/W=0,48 Gain: -2,5dB

Band-EQ5: 15000Hz Q=0,6 B/W=2,19 Gain: +10,0dB

Input EQs (Pre-EQs)

PEQ1: 280Hz Q=3,5 B/W=0,41 Gain: +1,2dB

PEQ2: 700Hz Q=2,0 B/W=0,71 Gain: +2,0dB

PEQ3: 1880Hz Q=4,0 B/W=0,36 Gain: **0,0**...+3,0dB

GAE WaveLine-FR

2-way active full-range

LMF (10" speaker)

Gain: 0,0dB Delay: 0,72ms Phase: +

HPF: 52Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: 560Hz Linkwitz/Riley 24dB/oct. (4th order)

Band-EQ1: 100Hz Q=1,5 B/W=0,95 Gain: +1,5dB (adjust)

Band-EQ2: 225Hz Q=4,5 B/W=0,32 Gain: -2,5dB

Band-EQ3: 400Hz Q=4,0 B/W=0,36 Gain: -3,0dB

Band-EQ4: 540Hz Q=4,0 B/W=0,36 Gain: +2,0dB

Band-EQ5: 1300Hz Q=3,0 B/W=0,48 Gain: -12,5dB

MHF (2" speaker)

Gain: (adjust) Delay: 0ms Phase: +

HPF: 675Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: bypass

Band-EQ1: 900Hz Q=5,5 B/W=0,26 Gain: -3,0dB

Band-EQ2: 1290Hz Q=3,0 B/W=0,48 Gain: -2,5dB

Band-EQ3: 2550Hz Q=1,3 B/W=1,08 Gain: -8,8dB

Band-EQ4: 12300Hz Q=3,0 B/W=0,48 Gain: -2,5dB

Band-EQ5: 15000Hz Q=0,6 B/W=2,19 Gain: +10,0dB

Input EQs (Pre-EQs)

PEQ1: 70Hz Q=3,0 B/W=0,48 Gain: **0,0**...+3,0dB (Bass-Boost)

PEQ2: 280Hz Q=3,5 B/W=0,41 Gain: +1,2dB

PEQ3: 700Hz Q=2,0 B/W=0,71 Gain: +2,0dB

PEQ4: 1880Hz Q=4,0 B/W=0,36 Gain: **0,0**...+3,0dB

GAE WaveLine-PT-LE (6 units)

3-way active with Low Extension

Low Extension (BR series)

Gain: adjust Delay: adjust Phase: +

HPF: 30Hz Butterworth 18dB/oct. (3rd order)

LPF: 90Hz Linkwitz/Riley 24dB/oct. (4th order)

EQ/Bassboost type specific

LMF (6,5" speaker)

Gain: 1,5dB Delay: 0,56ms Phase: +

HPF: 90Hz Linkwitz/Riley 24dB/oct. (4th order)

LPF: 749Hz Linkwitz/Riley 24dB/oct. (4th order)

Band-EQ1: 180Hz LoSHF 2nd (Q=0,7) Gain: +5,0dB

Band-EQ2: 354Hz Q=5,0 B/W=0,29 Gain: -3,0dB

Band-EQ3: 472Hz Q=2,8 B/W=0,51 Gain: -3,0dB

Band-EQ4: 1780Hz Q=2,7 B/W=0,53 Gain: -10,0dB

MHF (1,4" speaker)

Gain: -2,0dB (adjust) Delay: 0ms Phase: +

HPF: 1330Hz Butterworth 12dB/oct. (2nd order)

LPF: bypass

Band-EQ1: 433Hz Q=6,7 B/W=0,22 Gain: -4,0dB

Band-EQ2: 595Hz Q=5,0 B/W=0,29 Gain: -4,5dB

Band-EQ3: 2000Hz Q=1,8 B/W=0,79 Gain: -3,5dB

Band-EQ4: 4120Hz Q=3,6 B/W=0,4 Gain: -7,0dB

Band-EQ5: 11000Hz Q=5,0 B/W=0,29 Gain: +2,0dB

Input EQs (Pre-EQs)

PEQ1: 90Hz Q=3,0 B/W=0,48 Gain: **0,0**...-3,0dB (X-Over Reduction)

PEQ2: 1260Hz Q=5,3 B/W=0,27 Gain: -5,0dB (Mid Reduction)

PEQ3: 1470Hz Q=4,0 B/W=0,36 Gain: -2,0dB

PEQ4: 2060Hz Q=8,0 B/W=0,18 Gain: -3,0dB

PEQ5: 2750Hz Q=6,0 B/W=0,24 Gain: -3,5dB

PEQ6: 7340Hz Q=5,0 B/W=0,29 Gain: -3,5dB

PEQ7: 8450Hz HiSHF 2nd (Q=0,7) Gain: +3,0dB (High Boost)

GAE WaveLine-PT-FR (6 units)

2-way active fullrange

LMF (6,5" speaker)

Gain: 1,5dB Delay: 0,56ms Phase: +

HPF: 70Hz Butterworth 18dB/oct. (3rd order)
LPF: 749Hz Linkwitz/Riley 24dB/oct. (4th order)

Band-EQ1:	180Hz	LoSHF 2 nd	(Q=0,7)	Gain: +5,0dB
Band-EQ2:	354Hz	Q=5,0	B/W=0,29	Gain: -3,0dB
Band-EQ3:	472Hz	Q=2,8	B/W=0,51	Gain: -2,0dB
Band-EQ4:	1780Hz	Q=2,7	B/W=0,53	Gain: -10,0dB

MHF (1,4" speaker)

Gain: -2,0dB (adjust) Delay: 0ms Phase: +

HPF: 1330Hz Butterworth 12dB/oct. (2nd order)
LPF: bypass

Band-EQ1:	433Hz	Q=6,7	B/W=0,22	Gain: -4,0dB
Band-EQ2:	595Hz	Q=5,0	B/W=0,29	Gain: -4,5dB
Band-EQ3:	2000Hz	Q=1,8	B/W=0,79	Gain: -3,5dB
Band-EQ4:	4120Hz	Q=3,6	B/W=0,4	Gain: -7,0dB
Band-EQ5:	11000Hz	Q=5,0	B/W=0,29	Gain: +2,0dB

Input EQs (Pre-EQs)

PEQ1:	80Hz	Q=4,5	B/W=0,32	Gain: 0,0 ...+3,0dB (Bassboost)
PEQ2:	1260Hz	Q=5,3	B/W=0,27	Gain: -5,0dB (Mid Reduction)
PEQ3:	1470Hz	Q=4,0	B/W=0,36	Gain: -2,0dB
PEQ4:	2060Hz	Q=8,0	B/W=0,18	Gain: -3,0dB
PEQ5:	2750Hz	Q=6,0	B/W=0,24	Gain: -3,5dB
PEQ6:	7340Hz	Q=5,0	B/W=0,29	Gain: -3,5dB
PEQ7:	8480Hz	HiSHF 2 nd	(Q=0,7)	Gain: +3,0dB (High Boost)