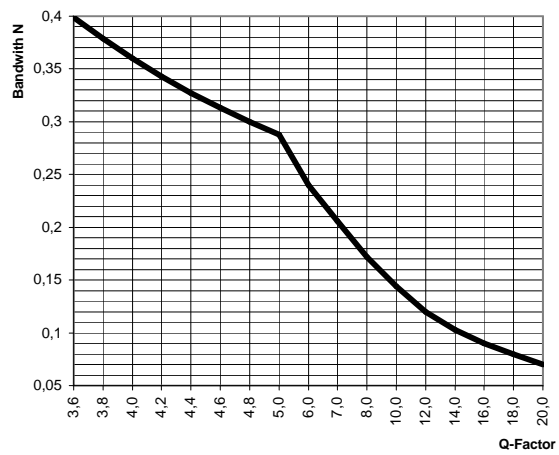
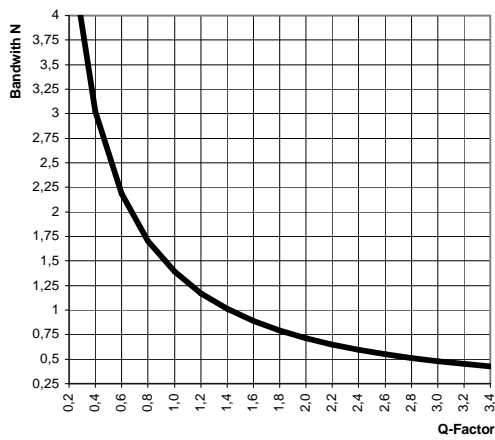


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**The following controller setups are recommendations.
Die nachfolgenden Controllereinstellungen sind Empfehlungen.**

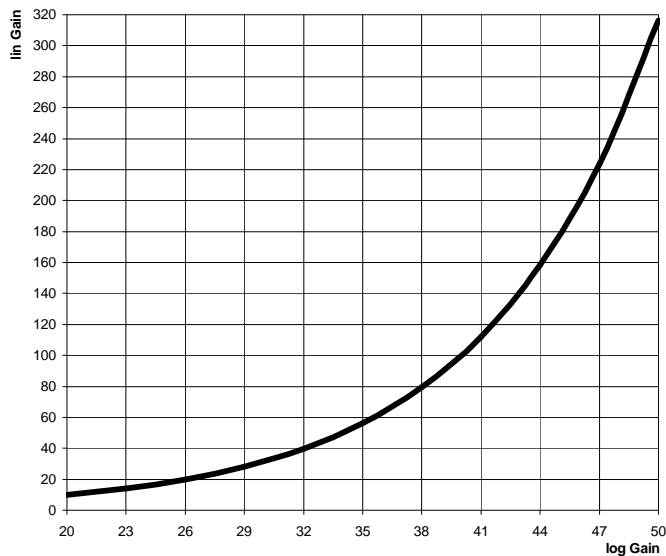
31.08.2007

| Q | <> | N | Q | <> | N |
|-----|----|------|-----|----|------|
| 0,2 | | 4,75 | 3,6 | | 0,40 |
| 0,4 | | 3,02 | 3,8 | | 0,38 |
| 0,6 | | 2,19 | 4 | | 0,36 |
| 0,8 | | 1,70 | 4,2 | | 0,34 |
| 1 | | 1,39 | 4,4 | | 0,33 |
| 1,2 | | 1,17 | 4,6 | | 0,31 |
| 1,4 | | 1,01 | 4,8 | | 0,30 |
| 1,6 | | 0,89 | 5 | | 0,29 |
| 1,8 | | 0,79 | 6 | | 0,24 |
| 2 | | 0,71 | 7 | | 0,21 |
| 2,2 | | 0,65 | 8 | | 0,18 |
| 2,4 | | 0,60 | 10 | | 0,14 |
| 2,6 | | 0,55 | 12 | | 0,12 |
| 2,8 | | 0,51 | 14 | | 0,10 |
| 3 | | 0,48 | 16 | | 0,09 |
| 3,2 | | 0,45 | 18 | | 0,08 |
| 3,4 | | 0,42 | 20 | | 0,07 |



#####

| Lin Amp Gain | <> | Log Amp Gain |
|--------------|----|--------------|
| 10x | | 20dB |
| 14x | | 23dB |
| 20x | | 26dB |
| 28x | | 29dB |
| 40x | | 32dB |
| 56x | | 35dB |
| 79x | | 38dB |
| 112x | | 41dB |
| 158x | | 44dB |
| 224x | | 47dB |
| 316x | | 50dB |



Calculation of limiter threshold / Berechnung des Limiterthresholds

$$Thr = 20 \cdot \log \left(\frac{\sqrt{P \cdot Z}}{0,775} \right) - A$$

- Thr... RMS Limiter Threshold in dBu / *Limiterthreshold in dBu*
- P... Loudspeaker RMS-Power / *Lautsprecher RMS-Belastbarkeit*
- Z... Nominal Loudspeaker Impedance / *Nennimpedanz der Lautsprecher*
- A... log Amplifier Gain / *Endstufenverstärkung in dB*

The following RMS-limiter settings are valid for 32dB/40x amplifier gain.
 Die folgenden RMS-Limitereinstellungen sind auf 32dB/40x ausgelegt.

| | High | Mid |
|--------------------------|-------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 800Hz |
| Slope | BW 24dB | LR 24dB |
| High-pass filter | 800Hz | 65Hz |
| Slope | LR 24dB | BW 24dB |
| Level | -8,8dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 2,5kHz | 80Hz |
| | Q=2 | Q=2,5 |
| Level | -2dB | +6dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 7,5kHz | 131Hz |
| | Q=4 | Q=1,9 |
| Level | +3dB | +2dB |
| Filter 3 | | |
| Type | parametric | parametric |
| Frequency | 12,5kHz | 370Hz |
| | Q=1,4 | Q=4 |
| Level | +2dB | +6dB |
| Filter 4 | | |
| Type | | parametric |
| Frequency | | 439Hz |
| | | Q=13 |
| Level | | -8dB |
| Limiter | | |
| Threshold | +0,5dBu | +7,5dBu |
| Overshoot | | |
| Attack | 4ms | 12ms |
| Hold | | |
| Release | 60ms | 150ms |
| Knee | 4dB | 4dB |
| Delay | 0,7ms | 0ms |
| Polarity | + | + |

| | High | Mid |
|--------------------------|-------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 800Hz |
| Slope | BW 24dB | LR 24dB |
| High-pass filter | 800Hz | 80Hz |
| Slope | LR 24dB | BW 24dB |
| Level | -8,8dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 2,5kHz | 190Hz |
| | Q=2 | Q=3,5 |
| Level | -3dB | -2dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 7,5kHz | 370Hz |
| | Q=4 | Q=4 |
| Level | +3dB | +6dB |
| Filter 3 | | |
| Type | parametric | parametric |
| Frequency | 12,5kHz | 440Hz |
| | Q=1,4 | Q=13,1 |
| Level | +5dB | -8dB |
| | | |
| Limiter | | |
| Threshold | +0,5dBu | +7,5dBu |
| Overshoot | | |
| Attack | 4ms | 12ms |
| Hold | | |
| Release | 60ms | 150ms |
| Knee | 4dB | 4dB |
| Delay | 0,7ms | 0ms |
| Polarity | + | + |

| | High | Mid | Galeo Sub |
|--------------------------|------------|------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 12dB |
| Level | -8,8dB | 0dB | 0dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 2,5kHz | 440Hz | 42 Hz |
| | Q=2 | Q=13,1 | Q=3 |
| Level | -4dB | -8dB | +3dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 7,5kHz | 190Hz | |
| | Q=4 | Q=3,5 | |
| Level | +2dB | -4dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 12,5kHz | 370Hz | |
| | Q=1,4 | Q=4 | |
| Level | +6dB | +6dB | |
| Filter 4 | | | |
| Type | | parametric | |
| Frequency | | 320Hz | |
| | | Q=1 | |
| Level | | +2dB | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 1,7ms | 1ms | 0ms |
| Polarity | + | + | + |

* The recommended delay time is suitable for stacking front on front.

Die empfohlene Verzögerungszeit gilt für gestackten Betrieb, Front über Front.

| | High | Mid | Galeo Sub |
|--------------------------|------------|------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 12dB |
| Level | -6,8dB | 0dB | 0dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 1,2kHz | 190Hz | 42 Hz |
| | Q=1 | Q=3,5 | Q=3 |
| Level | -3dB | -4dB | +3dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 2,5kHz | 320Hz | |
| | Q=2 | Q=1 | |
| Level | -6dB | +2dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 4,5kHz | 370Hz | |
| | Q=1,5 | Q=4 | |
| Level | +2dB | +6dB | |
| Filter 4 | | | |
| Type | parametric | parametric | |
| Frequency | 12,5kHz | 440Hz | |
| | Q=1,4 | Q=13,1 | |
| Level | +6dB | -8dB | |
| Filter 5 | | | |
| Type | | | |
| Frequency | | | |
| Level | | | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 1,7ms | 1ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front
Die empfohlene Verzögerungszeit gilt für gestackten Betrieb, Front über Front.

| | High | Mid | Galeo Sub |
|--------------------------|-------------|------------|------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 12dB |
| Level | -4,8dB | 0dB | +3dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 1kHz | 190Hz | 42 Hz |
| | Q=1 | Q=3,5 | Q=3 |
| Level | -5dB | -4dB | +3dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 2,5kHz | 320Hz | |
| | Q=2 | Q=1 | |
| Level | -6dB | +2dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 4,5kHz | 370Hz | |
| | Q=1,5 | Q=4 | |
| Level | +2dB | +6dB | |
| Filter 4 | | | |
| Type | parametric | parametric | |
| Frequency | 12,5kHz | 440Hz | |
| | Q=1,4 | Q=13,1 | |
| Level | +6dB | -8dB | |
| Filter 5 | | | |
| Type | | | |
| Frequency | | | |
| Level | | | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 1,7ms | 1ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front

| 2 in 6 Controller | High 1 / 4 | Mid 2 / 5 | TSE infra 3 / 6 |
|-------------------|---------------|--------------|--------------------|
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 24dB |
| Level | -8,8dB | 0dB | +3dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 2,5kHz | 440Hz | 40 Hz |
| | Q=2 | Q=13,1 | Q=4 |
| Level | -4dB | -8dB | +5dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 7,5kHz | 190Hz | |
| | Q=4 | Q=3,5 | |
| Level | +3dB | -4dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 12,5kHz | 370Hz | |
| | Q=1,4 | Q=4 | |
| Level | +8dB | +6dB | |
| Filter 4 | | | |
| Type | | parametric | |
| Frequency | | 320Hz | |
| | | Q=1 | |
| Level | | +2dB | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,2ms | 2,5ms | 0ms |
| Polarity | + | + | + |

* The recommended delay time is suitable for stacking front on front.

Die empfohlene Verzögerungszeit gilt für gestackten Betrieb, Front über Front.

| | High | Mid | TSE infra |
|--------------------------|------------|------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 24dB |
| Level | -6,8dB | 0dB | +3dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 1,2kHz | 190Hz | 40 Hz |
| | Q=1 | Q=3,5 | Q=4 |
| Level | -3dB | -4dB | +5dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 2,5kHz | 320Hz | |
| | Q=2 | Q=1 | |
| Level | -6dB | +2dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 4,5kHz | 370Hz | |
| | Q=1,5 | Q=4 | |
| Level | +2dB | +6dB | |
| Filter 4 | | | |
| Type | parametric | parametric | |
| Frequency | 7,5kHz | 440Hz | |
| | Q=4 | Q=13,1 | |
| Level | +1,5dB | -8dB | |
| Filter 5 | | | |
| Type | parametric | | |
| Frequency | 12,5kHz | | |
| | Q=1,4 | | |
| Level | +8dB | | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,2ms | 2,5ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front
 Die empfohlene Verzögerungszeit gilt für gestackten Betrieb, Front über Front.

| 2 in 6 Controller | High 1 / 4 | Mid 2 / 5 | TSE infra 3 / 6 |
|-------------------|---------------|--------------|--------------------|
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 24dB |
| Level | -4,8dB | 0dB | +3dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 1kHz | 190Hz | 40 Hz |
| | Q=1 | Q=3,5 | Q=4 |
| Level | -5dB | -4dB | +5dB |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 2,5kHz | 320Hz | |
| | Q=2 | Q=1 | |
| Level | -6dB | +2dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 4,5kHz | 370Hz | |
| | Q=1,5 | Q=4 | |
| Level | +2dB | +6dB | |
| Filter 4 | | | |
| Type | parametric | parametric | |
| Frequency | 7,5kHz | 440Hz | |
| | Q=4 | Q=13,1 | |
| Level | +0,5dB | -8dB | |
| Filter 5 | | | |
| Type | parametric | | |
| Frequency | 12,5kHz | | |
| | Q=1,4 | | |
| Level | +8dB | | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +8dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,2ms | 2,5ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front

| | High | Mid | B1502 |
|--------------------------|-------------|------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 800Hz | 130Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 45Hz |
| Slope | LR 24dB | BW 24dB | BW 24dB |
| Level | -4,8dB | 0dB | +3dB |
| Filter 1 | | | |
| Type | parametric | parametric | |
| Frequency | 1kHz | 190Hz | |
| | Q=1 | Q=3,5 | |
| Level | -5dB | -4dB | |
| Filter 2 | | | |
| Type | parametric | parametric | |
| Frequency | 2,5kHz | 320Hz | |
| | Q=2 | Q=1 | |
| Level | -6dB | +2dB | |
| Filter 3 | | | |
| Type | parametric | parametric | |
| Frequency | 4,5kHz | 370Hz | |
| | Q=1,5 | Q=4 | |
| Level | +2dB | +6dB | |
| Filter 4 | | | |
| Type | parametric | parametric | |
| Frequency | 7,5kHz | 440Hz | |
| | Q=4 | Q=13,1 | |
| Level | +0,5dB | -8dB | |
| Filter 5 | | | |
| Type | parametric | | |
| Frequency | 12,5kHz | | |
| | Q=1,4 | | |
| Level | +8dB | | |
| Limiter | | | |
| Threshold | +0,5dBu | +7,5dBu | +6dBu |
| Overshoot | | | |
| Attack | 4ms | 12ms | 16ms |
| Hold | | | |
| Release | 60ms | 150ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 0,7ms | 0ms | 1,5ms |
| Polarity | + | + | + |

* The recommended delay time is suitable for stacking front on front

| | High | Mid | B1502 | TSE infra |
|--------------------------|-------------|------------|--------------|------------------|
| 2 in 8 Controller | 1 / 5 | 2 / 6 | 3 / 7 | 4 / 8 |
| X-Over | | | | |
| Low-pass filter | 20kHz | 800Hz | 130Hz | 80Hz |
| Slope | BW 24dB | LR 24dB | BW 24dB | BW 24dB |
| High-pass filter | 800Hz | 80Hz | 45Hz | 30Hz |
| Slope | LR 24dB | BW 24dB | BW 24dB | BW 24dB |
| Level | -4,8dB | 0dB | 0dB | +0dB |
| Filter 1 | | | | |
| Type | parametric | parametric | | parametric |
| Frequency | 1kHz | 190Hz | | 40 Hz |
| | Q=1 | Q=3,5 | | Q=4 |
| Level | -5dB | -4dB | | +5dB |
| Filter 2 | | | | |
| Type | parametric | parametric | | |
| Frequency | 2,5kHz | 320Hz | | |
| | Q=2 | Q=1 | | |
| Level | -6dB | +2dB | | |
| Filter 3 | | | | |
| Type | parametric | parametric | | |
| Frequency | 4,5kHz | 370Hz | | |
| | Q=1,5 | Q=4 | | |
| Level | +2dB | +6dB | | |
| Filter 4 | | | | |
| Type | parametric | parametric | | |
| Frequency | 7,5kHz | 440Hz | | |
| | Q=4 | Q=13,1 | | |
| Level | +0,5dB | -8dB | | |
| Filter 5 | | | | |
| Type | parametric | | | |
| Frequency | 12,5kHz | | | |
| | Q=1,4 | | | |
| Level | +8dB | | | |
| Limiter | | | | |
| Threshold | +0,5dBu | +7,5dBu | +6dBu | +8dBu |
| Overshoot | | | | |
| Attack | 4ms | 12ms | 16ms | 16ms |
| Hold | | | | |
| Release | 60ms | 150ms | 200ms | 200ms |
| Knee | 4dB | 4dB | 4dB | 4dB |
| Delay * | 3,2ms | 2,5ms | 4ms | 0ms |
| Polarity | + | + | + | + |

* The recommended delay time is suitable for stacking front on front

| | K2 | B1801 |
|--------------------------|---------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120 Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 250Hz | 50Hz |
| | Q=2,9 | Q=1,7 |
| Level | -2dB | +8dB |
| Filter 2 | | |
| Type | High Shelving | parametric |
| Frequency | 350Hz | 68 Hz |
| | 6dB | Q=8 |
| Level | -6dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 500Hz | |
| | Q=4 | |
| Level | -3dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 1kHz | |
| | Q=0,9 | |
| Level | -5dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 0ms | 0,6ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | K2 | TSE Sub |
|--------------------------|---------------|----------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 250Hz | 45Hz |
| | Q=2,9 | Q=2,8 |
| Level | -2dB | +10dB |
| Filter 2 | | |
| Type | High Shelving | parametric |
| Frequency | 350Hz | 68Hz |
| | 6dB | Q=8 |
| Level | -6dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 500Hz | |
| | Q=4 | |
| Level | -3dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 1kHz | |
| | Q=0,9 | |
| Level | -5dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 0ms | 0,6ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | K2 | B1502 |
|--------------------------|---------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 130Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 130Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric | |
| Frequency | 250Hz | |
| | Q=2,9 | |
| Level | -2dB | |
| Filter 2 | | |
| Type | High Shelving | |
| Frequency | 350Hz | |
| | 6dB | |
| Level | -6dB | |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 500Hz | |
| | Q=4 | |
| Level | -3dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 1kHz | |
| | Q=0,9 | |
| Level | -5dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 0ms | 0,6ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | K2 | TSE infra |
|--------------------------|---------------|------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 35Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 250Hz | 40Hz |
| | Q=2,9 | Q=4 |
| Level | -2dB | +5dB |
| Filter 2 | | |
| Type | High Shelving | |
| Frequency | 350Hz | |
| | 6dB | |
| Level | -6dB | |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 500Hz | |
| | Q=4 | |
| Level | -3dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 1kHz | |
| | Q=0,9 | |
| Level | -5dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 4,65ms | 0ms |
| Polarity | + | + |

*The recommended delay time is suitable for stacking front on front

| | K2 | B1502 | TSE infra |
|--------------------------|---------------|--------------|------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 130Hz | 100Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| High-pass filter | 130Hz | 45Hz | 40Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| Level | +3dB | 0dB | 0dB |
| Filter 1 | | | |
| Type | parametric | | parametric |
| Frequency | 250Hz | | 40Hz |
| | Q=2,9 | | Q=4 |
| Level | -2dB | | +5dB |
| Filter 2 | | | |
| Type | High Shelving | | |
| Frequency | 350Hz | | |
| | 6dB | | |
| Level | -6dB | | |
| Filter 3 | | | |
| Type | parametric | | |
| Frequency | 500Hz | | |
| | Q=4 | | |
| Level | -3dB | | |
| Filter 4 | | | |
| Type | parametric | | |
| Frequency | 1kHz | | |
| | Q=0,9 | | |
| Level | -5dB | | |
| Limiter | | | |
| Threshold | +6,5dBu | +6dBu | +8dBu |
| Overshoot | | | |
| Attack | 12ms | 16ms | 16ms |
| Hold | | | |
| Release | 150ms | 200ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,4ms | 4ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front

| | K2 | B1801 | TSE infra |
|--------------------------|---------------|--------------|------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 120 Hz | 100Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| High-pass filter | 130Hz | 45Hz | 40Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| Level | 0dB | 0dB | 0dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 250Hz | 50Hz | 40Hz |
| | Q=2,9 | Q=1,7 | Q=4 |
| Level | -2dB | +8dB | +5dB |
| Filter 2 | | | |
| Type | High Shelving | parametric | |
| Frequency | 350Hz | 68 Hz | |
| | 6dB | Q=8 | |
| Level | -6dB | -3dB | |
| Filter 3 | | | |
| Type | parametric | | |
| Frequency | 500Hz | | |
| | Q=4 | | |
| Level | -3dB | | |
| Filter 4 | | | |
| Type | parametric | | |
| Frequency | 1kHz | | |
| | Q=0,9 | | |
| Level | -5dB | | |
| Limiter | | | |
| Threshold | +6,5dBu | +8dBu | +8dBu |
| Overshoot | | | |
| Attack | 12ms | 16ms | 16ms |
| Hold | | | |
| Release | 150ms | 200ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,4ms | 4ms | 0ms |
| Polarity | + | + | + |

*The recommended delay time is suitable for stacking front on front

| 2 in 6 Controller | K2 | TSE Sub | TSE infra |
|--------------------------|---------------|----------------|------------------|
| | 1 / 4 | 2 / 5 | 3 / 6 |
| X-Over | | | |
| Low-pass filter | 20kHz | 125Hz | 100Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| High-pass filter | 130Hz | 45Hz | 40Hz |
| Slope | BW 24dB | BW 24dB | BW 24dB |
| Level | 0dB | 0dB | 0dB |
| Filter 1 | | | |
| Type | parametric | parametric | parametric |
| Frequency | 250Hz | 45Hz | 40Hz |
| | Q=2,9 | Q=2,8 | Q=4 |
| Level | -2dB | +10dB | +5dB |
| Filter 2 | | | |
| Type | High Shelving | parametric | |
| Frequency | 350Hz | 68Hz | |
| | 6dB | Q=8 | |
| Level | -6dB | -3dB | |
| Filter 3 | | | |
| Type | parametric | | |
| Frequency | 500Hz | | |
| | Q=4 | | |
| Level | -3dB | | |
| Filter 4 | | | |
| Type | parametric | | |
| Frequency | 1kHz | | |
| | Q=0,9 | | |
| Level | -5dB | | |
| Limiter | | | |
| Threshold | +6,5dBu | +8dBu | +8dBu |
| Overshoot | | | |
| Attack | 12ms | 16ms | 16ms |
| Hold | | | |
| Release | 150ms | 200ms | 200ms |
| Knee | 4dB | 4dB | 4dB |
| Delay * | 3,4ms | 4ms | 0ms |
| Polarity | + | + | + |

* The recommended delay time is suitable for stacking front on front

| | TSE6040 | TSE Sub |
|--------------------------|----------------|----------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 100Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 100Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -2,5dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 250Hz | 45Hz |
| | Q=3,2 | Q=2,8 |
| Level | -2dB | +10dB |
| Filter 2 | | |
| Type | High Shelving | parametric |
| Frequency | 350Hz | 68Hz |
| | 6dB | Q=8 |
| Level | -6dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 360Hz | |
| | Q=2 | |
| Level | +2dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 1kHz | |
| | Q=0,9 | |
| Level | -5dB | |
| Filter 5 | | |
| Type | parametric | |
| Frequency | 14kHz | |
| | Q=2,5 | |
| Level | +2dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 2,85ms | 0ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | TSE4030 | TSE Sub |
|--------------------------|----------------|----------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 100Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 100Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | High Shelv | parametric |
| Frequency | 400Hz | 45Hz |
| | 6dB | Q=2,8 |
| Level | -5dB | +10dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 1kHz | 68Hz |
| | Q=3 | Q=8 |
| Level | -4dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 1,7kHz | |
| | Q=0,6 | |
| Level | -2dB | |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 14kHz | |
| | Q=2,5 | |
| Level | +2dB | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 0,44ms | 0ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | HiMid * | B1801 |
|--------------------------|---------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120 Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 120Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | | parametric |
| Frequency | | 50Hz |
| | | Q=1,7 |
| Level | | +8dB |
| Filter 2 | | |
| Type | | parametric |
| Frequency | | 68 Hz |
| | | Q=8 |
| Level | | -3dB |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 0ms | 0ms |
| Polarity | + | + |

* Direct radiating Hi-Mid-Top stacked front on front.

| | TK112 | B1801 |
|--------------------------|--------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 50Hz |
| Slope | BW 24dB | 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 190Hz | 50Hz |
| | Q=1,5 | Q=1,7 |
| Level | +5dB | +8dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 5kHz | 68 Hz |
| | Q=1 | Q=8 |
| Level | +2dB | -3dB |
| | | |
| Limiter | | |
| Threshold | +5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| | | |
| Delay * | 1,54ms | 0ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front.

| | TK115 | B1801 |
|--------------------------|--------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 50Hz |
| Slope | BW 24dB | 24dB |
| Level | -2dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 180Hz | 50Hz |
| | Q=2,5 | Q=1,7 |
| Level | +3dB | +8dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 5kHz | 68 Hz |
| | Q=1 | Q=8 |
| Level | +3dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 14kHz | |
| | Q=2,5 | |
| Level | +2dB | |
| | | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| | | |
| Delay | 0ms | 0ms |
| Polarity | + | + |

| | TSM 10 | Sub |
|--------------------------|---------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 150Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 140Hz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -1,5dB | 0dB |
| Filter 1 | | |
| Type | | parametric |
| Frequency | | 50Hz |
| | | Q=2,5 |
| Level | | +3dB |
| | | |
| Limiter | | |
| Threshold | +5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| | | |
| Delay * | 2,21ms | 0ms |
| Polarity | + | + |

* Recommended delay time suitable for use with stand, tweeter on 2m height.

| | TSM 10 | Sub |
|--------------------------|---------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 150Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 50Hz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -1,5dB | 0dB |
| Filter 1 | | |
| Type | | parametric |
| Frequency | | 50Hz |
| | | Q=2,5 |
| Level | | +3dB |
| | | |
| Threshold | +5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay * | 5,75ms | 0ms |
| Polarity | + | + |

* Recommended delay time suitable for use with stand, tweeter on 2m height.

| | TSM 12 | B1801 |
|--------------------------|---------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 400Hz | 50Hz |
| | Q=4 | Q=1,7 |
| Level | +2dB | +6dB |
| Filter 2 | | |
| Type | parametric * | parametric |
| Frequency | 4,5kHz | 68 Hz |
| | Q=3 | Q=8 |
| Level | +2dB | -3dB |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 1,25ms ** | 0ms |
| Polarity | + | + |

* optional filter / *optional Filter*

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | TSM 12 | TSE Sub |
|--------------------------|---------------|----------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 100Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 400Hz | 45Hz |
| | Q=4 | Q=2,8 |
| Level | +2dB | +10dB |
| Filter 2 | | |
| Type | parametric * | parametric |
| Frequency | 4,5kHz | 68Hz |
| | Q=3 | Q=8 |
| Level | +2dB | -3dB |
| | | |
| Limiter | | |
| Threshold | +6,5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 1,25ms ** | 0ms |
| Polarity | + | + |

* optional filter / *optional Filter*

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | TSM 12 | B1502 |
|--------------------------|---------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 100Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric * | |
| Frequency | 400Hz | |
| | Q=4 | |
| Level | +2dB | |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 4,5kHz | |
| | Q=3 | |
| Level | +2dB | |
| | | |
| Limiter | | |
| Threshold | +6,5dBu | +6dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 1,25ms ** | 0ms |
| Polarity | + | + |

* optional filter / *optionaler Filter*

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | TSM 15 | TSM 15 Sub |
|--------------------------|---------------|-------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 45Hz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 600Hz | 50Hz |
| | Q=3 | Q=2,5 |
| Level | -1dB | +3dB |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 1kHz | |
| | Q=3 | |
| Level | +1dB | |
| | | |
| Limiter | | |
| Threshold | +6,5dBu | +5,5dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 0ms | 0ms |
| Polarity | + | + |

*optional filter / *optionaler Filter*

| | TSM 15 | TSM 15 Sub |
|--------------------------|---------------|-------------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 60Hz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -3dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 600Hz | 50Hz |
| | Q=3 | Q=2,5 |
| Level | -1dB | +3dB |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 1kHz | |
| | Q=3 | |
| Level | +1dB | |
| Limiter | | |
| Threshold | +6,5dBu | +5,5dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 100ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 0ms | 0ms |
| Polarity | + | + |

* optional filter / *optionaler Filter*

| | TKE 212 | B1801 |
|--------------------------|----------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -4dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 1,7kHz | 50Hz |
| | Q=0,9 | Q=1,7 |
| Level | -4dB | +8dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 13kHz | 68 Hz |
| | Q=13 | Q=8 |
| Level | -5dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 14kHz | |
| | Q=2,5 | |
| Level | +2dB | |
| Limiter | | |
| Threshold | +4dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| Delay * | 2,21ms | 0ms |
| Polarity | + | + |

* The recommended delay time is suitable for stacking front on front

| | A4 | A8 Sub |
|--------------------------|----------------|---------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 600Hz | 50Hz |
| | Q=0,7 | Q=2 |
| Level | +2dB | +3dB |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 1,5kHz | |
| | Q=3 | |
| Level | -2dB | |
| Filter 3 | | |
| Type | parametric * | |
| Frequency | 2,2kHz | |
| | Q=4 | |
| Level | +3dB | |
| Filter 4 | | |
| Type | High Shelving* | |
| Frequency | 5kHz | |
| | 6dB | |
| Level | +2dB | |
| Limiter | | |
| Threshold | +2,5dBu | +6,5dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| Delay ** | 1,25ms | 0ms |
| Polarity | + | + |

* optional filter

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | A6 | A8 Sub |
|--------------------------|--------------|---------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 1,7kHz | 50Hz |
| | Q=3 | Q=2 |
| Level | +2dB | +3dB |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 3,5kHz | |
| | Q=3 | |
| Level | -2dB | |
| Filter 3 | | |
| Type | parametric * | |
| Frequency | 5,7kHz | |
| | Q=3 | |
| Level | +2dB | |
| Limiter | | |
| Threshold | +5dBu | +6,5dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| Delay ** | 1,25ms | 0ms |
| Polarity | + | + |

* optional filter / *optional Filter*

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | A8 | A8 Sub |
|--------------------------|--------------|---------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 40Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 125Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -4dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 700Hz | 50Hz |
| | Q=1 | Q=2 |
| Level | +2dB | +3dB |
| Filter 2 | | |
| Type | parametric * | |
| Frequency | 3,5kHz | |
| | Q=4 | |
| Level | -3dB | |
| Filter 3 | | |
| Type | parametric * | |
| Frequency | 5kHz | |
| | Q=4 | |
| Level | +3dB | |
| Limiter | | |
| Threshold | +5dBu | +6,5dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| Delay ** | 1,25ms | 0ms |
| Polarity | + | + |

* optional filter

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | A6 | B1801 |
|--------------------------|--------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | 3dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 1,7kHz | 50Hz |
| | Q=3 | Q=1,7 |
| Level | +2dB | +6dB |
| Filter 2 | | |
| Type | parametric * | parametric |
| Frequency | 3,5kHz | 68 Hz |
| | Q=3 | Q=8 |
| Level | -2dB | -3dB |
| Filter 3 | | |
| Type | | |
| Frequency | parametric * | |
| | 5,7kHz | |
| Level | Q=3 | |
| | +2dB | |
| Limiter | | |
| Threshold | +5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| Delay ** | | |
| | 1,25ms | 0ms |
| Polarity | + | + |

* optional filter

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | A8 | B1801 |
|--------------------------|--------------|--------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 120Hz |
| Slope | BW 24dB | BW 24dB |
| High-pass filter | 125Hz | 45Hz |
| Slope | BW 24dB | BW 24dB |
| Level | -4dB | 0dB |
| Filter 1 | | |
| Type | parametric * | parametric |
| Frequency | 700Hz | 50Hz |
| | Q=1 | Q=1,7 |
| Level | +2dB | +6dB |
| Filter 2 | | |
| Type | parametric * | parametric |
| Frequency | 3,5kHz | 68 Hz |
| | Q=4 | Q=8 |
| Level | -3dB | -3dB |
| Filter 3 | | |
| Type | parametric * | |
| Frequency | 5kHz | |
| | Q=4 | |
| Level | +3dB | |
| | | |
| Limiter | | |
| Threshold | +5dBu | +8dBu |
| Overshoot | | |
| Attack | 7ms | 16ms |
| Hold | | |
| Release | 150ms | 200ms |
| Knee | 4db | 4dB |
| | | |
| Delay ** | 1,25ms | 0ms |
| Polarity | + | + |

* optional filter

** Recommended delay time suitable for use with stand, tweeter on 2m height.

| | | |
|--------------------------|----------------------|---------------------|
| 2 in 6 Controller | High 1 / 4 | Mid 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 620Hz |
| Slope | BW 24dB | LR 24dB |
| High-pass filter | 700Hz | 30Hz |
| Slope | LR 24dB | BW 24dB |
| Level | -14dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 1,5kHz | 225Hz |
| | Q=1 | Q=14,7 |
| Level | -4dB | -3dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 2,1kHz | 340Hz |
| | Q=6,5 | Q=14,3 |
| Level | -1,5dB | -4dB |
| Filter 3 | | |
| Type | parametric | parametric |
| Frequency | 2,5kHz | 450Hz |
| | Q=5 | Q=4,4 |
| Level | +1,5dB | +3dB |
| Filter 4 | | |
| Type | parametric | |
| Frequency | 12,5kHz | |
| | Q=2,4 | |
| Level | +6dB | |
| Limiter | | |
| Threshold | -2,5dBu | +6dBu |
| Overshoot | | |
| Attack | 4ms | 16ms |
| Hold | | |
| Release | 60ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 0,21ms | 0ms |
| Polarity | + | + |

| | |
|--------------------------|--------------------|
| 2 in 6 Controller | M2 1 / 4 |
| X-Over | |
| Low-pass filter | 20kHz |
| Slope | BW24dB |
| High-pass filter | 50Hz ** |
| Slope | BW 12dB |
| Level | 0dB |
| Filter 1 | |
| Type | parametric ** |
| Frequency | 70Hz |
| | Q=3 |
| Level | +6dB |
| Filter 2 | |
| Type | parametric * |
| Frequency | 300Hz |
| | Q=2 |
| Level | +3dB |
| Filter 3 | |
| Type | parametric * |
| Frequency | 800Hz |
| | Q=3 |
| Level | -2dB |
| Limiter | |
| Threshold | +5dBu |
| Overshoot | |
| Attack | 7ms |
| Hold | |
| Release | 200ms |
| Knee | 4dB |
| Delay | 0ms |
| Polarity | + |

* optional filter / *optionaler Filter*

** only in case of fullrange application. Otherwise use crossover frequency > 100Hz and no boost.

2 in 6 Controller **M5**
1 / 4

X-Over

Low-pass filter 20kHz
Slope BW24dB
High-pass filter 45Hz **
Slope BW 12dB

Level 0dB

Filter 1

Type parametric **
Frequency 60Hz
 Q=3
Level +6dB

Filter 2

Type parametric *
Frequency 150Hz
 Q=3
Level -3dB

Filter 3

Type parametric *
Frequency 280Hz
 Q=2
Level +3dB

Limiter

Threshold +5,5dBu
Overshoot
Attack 7ms
Hold
Release 200ms
Knee 4dB

Delay 0ms

Polarity +

* optional filter / *optionaler Filter*

** only in case of fullrange application. Otherwise use crossover frequency > 100Hz and no boost.

| | | |
|--------------------------|----------------------|---------------------|
| 2 in 6 Controller | High 1 / 4 | Mid 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 650Hz |
| Slope | BW 24dB | LR 24dB |
| High-pass filter | 650Hz | 45Hz |
| Slope | LR 24dB | BW 12dB |
| Level | -11dB | 0dB |
| Filter 1 | | |
| Type | High-Shelving | parametric |
| Frequency | 2,5Khz | 120Hz |
| | 6dB/Oct. | Q=3 |
| Level | 6dB | +6dB |
| Filter 2 | | |
| Type | parametric | parametric |
| Frequency | 14kHz | 620Hz |
| | Q=2,4 | Q=8 |
| Level | +6dB | -3dB |
| | | |
| Limiter | | |
| Threshold | -2,5dBu | +8dBu |
| Overshoot | | |
| Attack | 12ms | 100ms |
| Hold | | |
| Release | 30ms | 100ms |
| Knee | 4dB | 4dB |
| Delay | 0ms | 0,25ms |
| Polarity | + | + |

| | High | Mid |
|--------------------------|---------------|------------|
| 2 in 6 Controller | 1 / 4 | 2 / 5 |
| X-Over | | |
| Low-pass filter | 20kHz | 700Hz |
| Slope | BW 24dB | LR 24dB |
| High-pass filter | 650Hz | 100Hz |
| Slope | LR 24dB | BW 12dB |
| Level | 0dB | 0dB |
| Filter 1 | | |
| Type | parametric | parametric |
| Frequency | 1500Hz | 360Hz |
| | Q=3 | Q=3 |
| Level | -2dB | +4dB |
| Filter 2 | | |
| Type | High Shelving | parametric |
| Frequency | 8kHz | 470Hz |
| | 12dB | Q=8 |
| Level | +3dB | -3dB |
| Filter 3 | | |
| Type | parametric | |
| Frequency | 14kHz | |
| | Q=5 | |
| Level | +5dB | |
| Filter 4 | | |
| Type | | |
| Frequency | | |
| Level | | |
| Limiter | | |
| Threshold | -2,5dBu | +7dBu |
| Overshoot | | |
| Attack | 12ms | 16ms |
| Hold | | |
| Release | 30ms | 200ms |
| Knee | 4dB | 4dB |
| Delay | 0ms | 0,21ms |
| Polarity | + | + |