

SEEBURG HDLM 8

+ DSP2.6 und Powerstick

Loudspeaker Library PEQ 2

Version 6.2

27.11.2025

SEEBURG
acoustic line

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2 Vorwort

2.1 Informationen

Die hier aufgeführten Controllereinstellungen für Seeburg Lautsprecher wurden für die Verwendung mit dem SEEBURG HDLM 8 High Definition Loudspeaker Management sowie dem SEEBURG DSP 2.6 und dem Powerstick entwickelt. System-EQs sind nicht vorhanden und müssen je nach Anlagegröße und Geschmack individuell erstellt werden. Der Einfachheit halber werden nachfolgend die Geräte als „Controller“ bezeichnet. Da es verschiedene Berechnungsmethoden für Q-Faktoren gibt, wurden die Gütefaktoren in dieser Tabelle für andere handelsübliche Controller in PEQ 2 (Bezeichnung im HDLM 8) umgerechnet. Die HDLM 8 Loudspeaker Library mit PEQ ist im Downloadbereich auf der Homepage unter Controller setups verfügbar.

Die Parameter sind für Crown, BSS, XTA, MC², EV, DBX, Xilica, Behringer, RAM (const. PEQ), Yamaha und QSC gültig, können jedoch nicht für Lake, LAB Gruppen, Power-soft und RAM (adapt. PEQ) verwendet werden. Besonders bei hohen Gain-Werten im PEQ Bereich können die Abweichungen erheblich sein!

Zeilen die mit „#“ gegenzeichnet sind, werden vom Controller überlesen und haben nur informativen Wert. Alle Zeichen in einer Zeile, die vor dem „#“ kommen, werden vom Controller als Befehl erkannt.

Bei der Verwendung des Connection Panel CP 4.4 (Art.Nr. 01409) bzw. des Connection Panel CP 4.8 (Art.Nr. 01410) können die Controllerausgänge frei konfiguriert werden. Lädt man jedoch ein Loudspeakerfile, welches aus mehreren Wegen besteht, werden die dafür notwendigen Ausgänge automatisch reserviert. Hier ist auf die Codierung der Speakerausgänge zu achten.

Bei der Verwendung eines SEEBURG Connection Panel (Art.Nr. 01407 o. 01408) müssen die Ausgänge des HDLM 8 wie folgt belegt werden:

2-Wege-Stereo	
HDLM 8 OUT	Weg
1	High
2	Low
3	-
4	High
5	Low
6	-
7	-
8	-

3-Wege-Stereo	
HDLM 8 OUT	Weg
1	High
2	Low
3	Sub
4	High
5	Low
6	Sub
7	-
8	-

4-Wege-Stereo	
HDLM 8 OUT	Weg
1	High
2	Mid
3	Low
4	High
5	Mid
6	Low
7	Sub
8	Sub

Sonstiges

Bei der Namensgebung der Lautsprechereinstellungen werden teilweise Abkürzungen verwendet:

Flat:

Hier handelt es sich um ein Preset mit linearem Frequenzgang, kombiniert mit dem tiefsten, für das Einzelsystem sinnvollen Hochpassfilter.

HP:

Hier handelt es sich um ein Preset mit linearem Frequenzgang, kombiniert mit einer deutlich höheren Trennfrequenz zur Nutzung in Kombination mit Subwoofern. HP120 steht dabei für eine Hochpass-Frequenz von 120 Hz (akustisch).

Low-Boost:

Hier handelt es sich um ein Preset mit linearem Frequenzgang, kombiniert mit dem tiefsten, für das Einzelsystem sinnvollen Hochpassfilter mit zusätzlicher erheblicher Bassanhebung. Der Maximalpegel ist bei Verwendung dieser Einstellung reduziert.

LP:

Hier handelt es sich um ein Preset für einen Subwoofer. Die angegebene Frequenz gibt die akustische Trennfrequenz an, auf die der Subwoofer abgestimmt ist. LP120 steht dabei für eine Tiefpass-Frequenz von 120 Hz (akustisch).

Floor:

Hier handelt es sich um die Einstellung für eine Monitoranwendung mit Frequenzganglinearisierung unter Berücksichtigung der Bodenreflexion.

CSA:

Cardioid Subwoofer Array. Hier handelt es sich um Einstellungen für ein gerichtet abstrahlendes Basslautsprecher-Array. Der nach hinten strahlende Subwoofer bekommt hierbei die CSA-Einstellungen. Den genauen Aufbau entnehmen Sie bitte der Bedienungsanleitung des jeweiligen Lautsprechers.

CD:

Abkürzung im Loudspeaker-Name für „Cardioid“

HCD:

Abkürzung im Loudspeaker-Name für „Hypercardioid“

2.2 Legende

Bezeichnung	Erklärung
gain	
<gain>dB	sets the overall gain
phase	
phase nor, phase rev	polarity not reversed, polarity reversed
delay	
delay <delay>ms	sets the delay in milliseconds
power	
power <impedance>R <RMS-Power>W <Peak-Power>W	properties of the loudspeaker
hpf	
hpf <characteristic> <slope> <frequency>Hz kHz	highpass filter with Butterworth or Linkwitz-Riley characteristic and slope of 12dB or 24dB at frequency in Hz or kHz
lpf	
lpf <characteristic> <slope> <frequency>Hz kHz	lowpass filter with Butterworth or Linkwitz-Riley characteristic and slope of 12dB or 24dB at frequency in Hz or kHz
peq2	
peq2 <frequency>Hz kHz Q<Q-factor> <gain>dB	parametric equalizer at center frequency in Hz or kHz Q-factor and gain in dB at center frequency (-3 dB method, constant Q)
hshelf	
hshelf <slope> <frequency>Hz kHz <gain>dB	highshelf filter with slope 6dB/12dB at frequency Hz or kHz with gain in dB
lshelf	
lshelf <slope> <frequency>Hz kHz <gain>dB	lowshelf filter with slope 6dB/12dB at frequency Hz or kHz with gain in dB
#	
#<TEXT>	sets a comment e.g. the name of the preset

3 Time-Alignment

3.1 Was ist Time-Alignment und wie wird es verwendet?

Time-Alignment dient zur Laufzeitanpassung von Subwoofern zu den HiMids. Diese wird benötigt, um eine phasenkorrekte Schalladdition zu erzielen. Aufgrund der unterschiedlichen Einbaupositionen der Treiber muss die Differenz der Laufzeiten (Referenzbezug ist der TSE Infra Sub mit $t = 0$ ms) ausgeglichen werden.

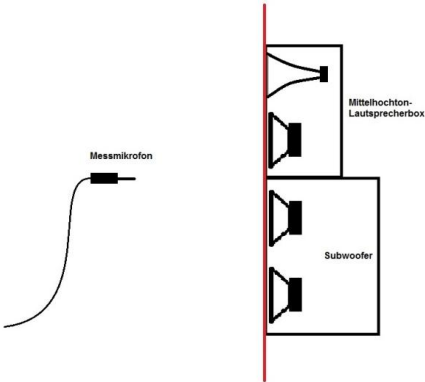
Beispiel: Laufzeit A4 5,2 ms, Laufzeit G Sub 1201 120 Hz 6,2 ms -> Differenz 1,0 ms. Das A4 System sollte daher um 1,0 ms verzögert werden, wenn es mit einem G Sub 1201 kombiniert wird. Differenzen von weniger als 1,0 ms haben nur geringe Auswirkungen und müssen nicht notwendigerweise ausgeglichen werden. Zusätzlich tritt eine weitere Laufzeitdifferenz auf, wenn sich das HiMid System weit oberhalb, vor oder hinter den Subs befindet.

Die in der Tabelle ersichtlichen Delay-Zeiten beziehen sich auf eine gemeinsame Front-Ebene (siehe Abbildung rechts).

Time-Alignment Kalkulator: http://seeburg.net/download_getfile.php?file=downloads/10-Controller-Setups/Time-Alignment_Kalkulator.zip

Nützliches

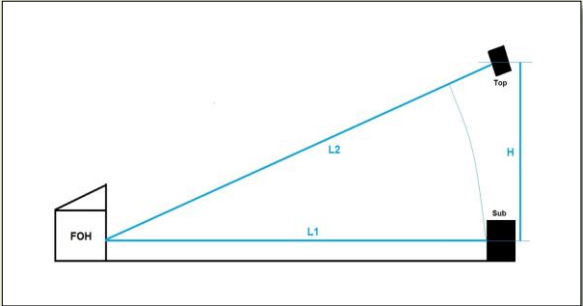
Schallgeschwindigkeit	343 m/s
0,1 ms	3,43 cm
1 ms	34,3 cm
10 ms	3,43 m
1 cm	0,0292 ms
1 m	2,92 ms



Berechnungsformel für Abstände im rechtwinkligen Dreieck (Pythagoras):

$$L_1^2 + H^2 = L_2^2$$

$$L_2 = \sqrt{L_1^2 + H^2}$$



3.2 Time-Alignment-Delays

Produkt	Preset	Delay [ms]
A-Serie		
A1 / A1 MKII	HP	6,0
A2 / A2 MKII	HP	6,2
A2 MKIII	HP	6,2
A3	HP	5,8
A3 MKII	HP	5,0
A4	HP	5,2
A6	HP	4,4
A8	HP	4,0
A1Sub	120 Hz	4,2
	140 Hz	4,6
	160 Hz	5,0
C-Serie		
C15 / C30	HP	3,9
G-Serie		
G3	Flat	3,9
G Sub 1001	120 Hz	6,2
	140 Hz	6,6
	160 Hz	7,0
G Sub 1201	120 Hz	6,2
	140 Hz	6,6
	160 Hz	7,0
G Sub 1501	100 Hz	4,8
	120 Hz	5,6
	140 Hz	6,2
G Sub 1801	80 Hz	3,5
	100 Hz	4,3
	120 Hz	4,8
G Sub 1802	80 Hz	3,5
	100 Hz	4,3
	120 Hz	4,8
G Sub	100 Hz	3,8
	120 Hz	4,6
	140 Hz	5,2

Produkt	Preset	Delay [ms]
Galeo-Serie		
Galeo S Top	Flat	4,4
Galeo S Sub	100 Hz	4,8
	120 Hz	5,4
	140 Hz	5,8
Galeo C Top	Flat	3,5
	HP	4,3
Galeo C Sub	80 Hz	3,5
	100 Hz	4,3
	120 Hz	4,8
Galeo Top	Flat	3,9
Galeo Sub	100 Hz	3,4
	120 Hz	4,1
	140 Hz	4,7
Galeo T Top	Flat	2,0
Galeo T Sub	80 Hz	3,4
	100 Hz	4,2
	120 Hz	4,7
Galeo XT Top	Flat	a. A.
Galeo XT Sub	60 Hz	1,5
	80 Hz	3,0
	100 Hz	3,5
GL-Serie		
GL8/16/24a/xov	Flat / -Low / - -Low	4,4
GL16 Sub	100 Hz	6,0
	120 Hz	6,2
	140 Hz	6,6
	160 Hz	7,0
i-Serie		
i4	HP	7,9
i5	HP	7,0
L-Serie		
L4/L8/L16	Flat	7,6

Produkt	Preset	Delay [ms]
K-Serie		
K2	Flat	5,7
B1502	100 Hz	5,2
	120 Hz	5,4
	140 Hz	6,0
B1801	100 Hz	5,2
	120 Hz	5,5
	140 Hz	5,8
K20	Flat	3,4
	HP	4,4
K24a/xov	Flat	3,0
	HP	3,6
K Sub1502	100 Hz	4,6
	120 Hz	5,2
	140 Hz	5,6
K Sub1801	100 Hz	4,4
	120 Hz	5,2
	140 Hz	5,8
PS-Serie		
PS1	HP	4,3
PS-Sub	100 Hz	1,9
TriSource		
TriSource 10	HP	4,5

Produkt	Preset	Delay [ms]
TS-Serie		
TS Nano	HP	5,6
TS Mini	HP	6,0
TSM 8	HP	5,9
TSM 10	HP	5,4
TSM 12	HP	4,2
TSM 15/II	HP	3,6
TSM Sub	100 Hz	5,4
	120 Hz	6,1
	140 Hz	6,8
TSE Sub	100 Hz	5,0
	120 Hz	5,2
	140 Hz	5,6
TSE Infra	60 Hz	0,0
	80 Hz	1,0
	100 Hz	2,0
X-Serie		
X1	HP	6,5
X2	HP	6,0
X4	HP	4,5
X6	HP	4,0
X8	HP	3,2

4 A-Serie

4.1 A1 MKII 80hm

Flat	HP	
#A1 MKII 80hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW12 95Hz peq2 95Hz Q2.4 +3dB peq2 1.4kHz Q1.8 -3dB	#A1 MKII 80hm HP 140Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf LR24 125Hz peq2 95Hz Q2.4 +3dB peq2 1.4kHz Q1.8 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +2,3 dBu / 1,005 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3 V peak #RMS-Limiter +34,3 dBu / 40,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.2 A1 MKII 16Ohm

Flat	HP	
#A1 MKII 16Ohm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW12 95Hz peq2 95Hz Q2.4 +3dB peq2 1.4kHz Q1.8 -3dB	#A1 MKII 16Ohm HP 140Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf LR24 125Hz peq2 95Hz Q2.4 +3dB peq2 1.4kHz Q1.8 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.3 A1 Sub

LP 120 Hz	LP 140 Hz	LP 160 Hz
#A1 Sub 120Hz PEQ2 Version 1 sub gain +6dB power 8R 300W 600W 32dB rmstime 1000ms peaktime 100ms hpf 40Hz BW24 lpf 120Hz BW24 peq2 67Hz Q3.6 -3dB peq2 313Hz Q20 -15dB	#A1 Sub 140Hz PEQ2 Version 1 sub gain +6dB power 8R 300W 600W 32dB rmstime 1000ms peaktime 100ms hpf 40Hz BW24 lpf 140Hz BW24 peq2 67Hz Q3.6 -3dB peq2 313Hz Q20 -15dB	#A1 Sub 160Hz PEQ2 Version 1 sub gain +6dB power 8R 300W 600W 32dB rmstime 1000ms peaktime 100ms hpf 40Hz BW24 lpf 160Hz BW24 peq2 67Hz Q3.6 -3dB peq2 313Hz Q20 -15dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

4.4 A2 MKIII 80hm

Flat	HP	
#A2 MKIII 80hm Flat PEQ2 Version 2 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peakttime 50ms hpf BW18 90Hz peq2 95Hz Q2.4 +3dB peq2 630Hz Q5.7 +2dB peq2 1.5kHz Q4.2 -1dB peq2 2.4kHz Q4.8 +3dB peq2 6kHz Q3.4 +2dB	#A2 MKIII 80hm HP 120Hz akus- tisch PEQ2 Version 2 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peakttime 50ms hpf BW18 120Hz peq2 630Hz Q5.7 +2dB peq2 1.5kHz Q4.2 -1dB peq2 2.4kHz Q4.8 +3dB peq2 6kHz Q3.4 +2dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.5 A3 MKII 40hm

Flat	HP	Low-Boost
#A3 MKII 40hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 86Hz peq2 86Hz Q2.4 +3dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB	#A3 MKII 40hm HP 120Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 120Hz peq2 86Hz Q2.4 +3dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB	#A3 MKII 40hm Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 86Hz peq2 86Hz Q2.4 +12dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,0 dBu / 1,946 V peak #RMS-Limiter +3,2 dBu / 1,123 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40 dBu / 77,5 V peak #RMS-Limiter +35,2 dBu / 44,7 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.6 A3 MKII 160hm

Flat	HP	Low-Boost
#A3 MKII 40hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 86Hz peq2 86Hz Q2.4 +3dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB	#A3 MKII 40hm HP 120Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 120Hz peq2 86Hz Q2.4 +3dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB	#A3 MKII 40hm Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 86Hz peq2 86Hz Q2.4 +12dB peq2 155Hz Q4.6 +2.5dB peq2 380Hz Q2.1 -2.5dB peq2 6.5kHz Q2.8 +2dB peq2 10.5kHz Q4.5 -2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,0 dBu / 3,891 V peak #RMS-Limiter +9,2 dBu / 2,247 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,0 dBu / 154,9 V peak #RMS-Limiter +41,2 dBu / 89,4 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.7 A4 MKII

Flat	HP	Low-Boost
#A4 MKII Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peakttime 50ms hpf BW12 65Hz peq2 65Hz Q2.4 +3dB peq2 155Hz Q2.5 -2dB peq2 2.5kHz Q3.5 +3dB	#A4 MKII HP 120Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peakttime 50ms hpf BW18 120Hz peq2 65Hz Q2.4 +3dB peq2 115Hz Q1.9 -3.5dB peq2 155Hz Q2.5 -2dB peq2 2.5kHz Q3.5 +3dB	#A4 MKII Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peakttime 50ms hpf BW12 65Hz peq2 65Hz Q3.4 +9dB peq2 155Hz Q2.5 -2dB peq2 2.5kHz Q3.5 +3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.8 A6 MKII

Flat	HP	Low-Boost
#A6 MKII Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 59Hz peq2 59Hz Q2.6 +3dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB	#A6 MKII HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 105Hz peq2 59Hz Q2.6 +3dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB	#A6 MKII Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 59Hz peq2 59Hz Q3.6 +10dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

4.9 A8 MKII

Flat	HP	Low-Boost
<pre>#A8 MKII Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 53Hz peq2 53Hz Q2.4 +3dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB</pre>	<pre>#A8 MKII HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW18 110Hz peq2 53Hz Q2.4 +3dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB</pre>	<pre>#A8 MKII Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 53Hz peq2 53Hz Q3.6 +10dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB</pre>
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

5 C-Serie

5.1 C-Serie

Flat	HP	
<p>#C15-C30 Version 2</p> <p>fullrange gain 0dB delay 0.0ms phase nor power 8R 800W 2400W 32dB rmstime 500ms peaktime 50ms</p> <p>#Flat hpf BW18 70Hz peq2 70Hz Q2.5 6dB peq2 300Hz Q1.5 +3dB peq2 500Hz Q3 +3dB peq2 800Hz Q1.5 -6dB peq2 1400Hz Q3 +1dB peq2 2300Hz Q4 +1dB peq2 3800Hz Q1 -9dB peq2 14kHz Q3 +2dB</p> <p>#Arrayfilter 2 Module #lshelf 6 1500Hz -6dB #hshelf 6 8000Hz +3dB #peq2 300Hz Q3.5 -2dB #peq2 1750Hz Q4.5 -2dB</p> <p>#Arrayfilter 3 Module #lshelf 6 1000Hz -8dB #hshelf 6 8000Hz +4dB #peq2 300Hz Q3.5 -2dB #peq2 1750Hz Q4.5 -2dB</p>	<p>#C15-C30 xov Version 2</p> <p>fullrange gain 0dB delay 0.0ms phase nor power 8R 800W 2400W 32dB rmstime 500ms peaktime 50ms</p> <p>#Flat hpf BW18 70Hz peq2 110Hz Q2 -3dB peq2 300Hz Q1.5 +3dB peq2 500Hz Q3 +3dB peq2 800Hz Q1.5 -6dB peq2 1400Hz Q3 +1dB peq2 2300Hz Q4 +1dB peq2 3800Hz Q1 -9dB peq2 14kHz Q3 +2dB</p> <p>#Arrayfilter 2 Module #lshelf 6 1500Hz -6dB #hshelf 6 8000Hz +3dB #peq2 300Hz Q3.5 -2dB #peq2 1750Hz Q4.5 -2dB</p> <p>#Arrayfilter 3 Module #lshelf 6 1000Hz -8dB #hshelf 6 8000Hz +4dB #peq2 300Hz Q3.5 -2dB #peq2 1750Hz Q4.5 -2dB</p>	
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</p>		

5.2 C-Sub

LP 80 Hz	LP 100 Hz	LP 120 Hz
#GSub1801 80Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 80Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1801 100Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 100Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1801 120Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 120Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

6 F-Serie

6.1 F1

Flat	HP	
#F1 Flat fullrange gain 0dB phase nor power 16R 200W 800W 32dB rmstime 500ms peaktime 50ms hpf BW18 70Hz peq2 70Hz Q2.5 +3dB peq2 600Hz Q2 +2dB peq2 850Hz Q6 -4dB peq2 1150Hz Q6 -4dB peq2 2000Hz Q1.8 -3dB peq2 12000Hz Q4 +5dB	#F1 HP 100 Hz akustisch fullrange gain 0dB phase nor power 16R 200W 800W 32dB rmstime 500ms peaktime 50ms hpf BW18 115Hz peq2 600Hz Q2 +2dB peq2 850Hz Q6 -4dB peq2 1150Hz Q6 -4dB peq2 2000Hz Q1.8 -3dB peq2 12000Hz Q4 +5dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,3 dBu / 2,842 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,3 dBu / 113,1 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

6.2 F2

Flat	HP	
#F2 Flat fullrange gain 0dB phase nor power 8R 400W 1600W 32dB rmstime 500ms peaktime 50ms hpf BW18 65Hz peq2 65Hz Q2.5 +3dB peq2 800Hz Q3.5 -3dB hshelf Q0.7 1000Hz -12dB peq2 1650Hz Q6 -8dB peq2 3800Hz Q2 -6dB peq2 15000Hz Q6 -4dB	#F2 HP 100Hz akustisch fullrange gain 0dB phase nor power 8R 400W 1600W 32dB rmstime 500ms peaktime 50ms hpf BW18 100Hz peq2 800Hz Q3.5 -3dB hshelf Q0.7 1000Hz -12dB peq2 1650Hz Q6 -8dB peq2 3800Hz Q2 -6dB peq2 15000Hz Q6 -4dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,3 dBu / 2,842 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,3 dBu / 113,1 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

6.3 F3

Flat	HP	
#F3 Flat fullrange gain 0dB phase nor power 4R 600W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 60Hz peq2 60Hz Q2.5 +3dB peq2 120Hz Q1.2 +2dB peq2 750Hz Q3 -7dB peq2 1600Hz Q3 -5dB peq2 4200Hz Q1 -13dB peq2 14500Hz Q4.5 -7dB	#F3 HP 100 Hz akustisch fullrange gain 0dB phase nor power 4R 600W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 95Hz peq2 120Hz Q1.2 +2dB peq2 750Hz Q3 -7dB peq2 1600Hz Q3 -5dB peq2 4200Hz Q1 -13dB peq2 14500Hz Q4.5 -7dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

6.4 F4

Flat	HP	
#F4 flat fullrange gain 0dB phase nor power 4R 600W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW18 60Hz peq2 60Hz Q2.5 +6dB peq2 550Hz Q4 -5dB peq2 1350Hz Q2.5 -7dB peq2 2600Hz Q0.8 -8dB peq2 5000Hz Q2.5 -3dB peq2 11500Hz Q4 +3dB	#F4 HP 80 Hz akustisch fullrange gain 0dB phase nor power 4R 600W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW18 70Hz peq2 550Hz Q4 -5dB peq2 1350Hz Q2.5 -7dB peq2 2600Hz Q0.8 -8dB peq2 5000Hz Q2.5 -3dB peq2 11500Hz Q4 +3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

7 G Subwoofer

7.1 G Sub 1001

LP 120 Hz	LP 140 Hz	LP 160 Hz
<p>#GSub1001 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 120Hz peq2 54Hz Q2.4 +3dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>	<p>#GSub1001 140Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 140Hz peq2 54Hz Q2.4 +3dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>	<p>#GSub1001 160Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 160Hz peq2 54Hz Q2.4 +3dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>
LP 120 Hz Cardioid	LP 140 Hz Cardioid	LP 160 Hz Cardioid
<p>#GSub1001 120Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2ms power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 110Hz peq2 54Hz Q2.4 +3dB peq2 70Hz Q1.3 +4dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>	<p>#GSub1001 140Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2ms power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 130Hz peq2 54Hz Q2.4 +3dB peq2 70Hz Q1.3 +4dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>	<p>#GSub1001 160Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2ms power 8R 300W 900W 32dB rmstime 1000ms peakttime 100ms hpf BW12 54Hz lpf LR24 150Hz peq2 54Hz Q2.4 +3dB peq2 70Hz Q1.3 +4dB peq2 80Hz Q2.2 +1.5dB peq2 250Hz Q1.4 -6dB peq2 310Hz Q10.5 -5dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 100 ms, Release 200 ms</p>		<p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms</p> <p>#Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 100 ms</p>

7.2 G Sub 1201

LP 120 Hz	LP 140 Hz	LP 160 Hz
#GSub1201 120Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 120Hz peq2 46Hz Q2.5 +3dB peq2 275Hz Q6 -3dB	#GSub1201 140Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 140Hz peq2 46Hz Q2.5 +3dB peq2 275Hz Q6 -3dB	#GSub1201 160Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 160Hz peq2 46Hz Q2.5 +3dB peq2 275Hz Q6 -3dB
LP 120 Hz Cardioid	LP 140 Hz Cardioid	LP 160 Hz Cardioid
#GSub1201 120Hz Cardioid Version 1 high gain +6dB phase rev delay 2.4ms power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 100Hz peq2 46Hz Q2.5 +3dB peq2 67Hz Q2.6 +4dB peq2 275Hz Q6 -3dB	#GSub1201 140Hz Cardioid Version 1 high gain +6dB phase rev delay 2.4ms power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 120Hz peq2 46Hz Q2.5 +3dB peq2 67Hz Q2.6 +4dB peq2 275Hz Q6 -3dB	#GSub1201 160Hz Cardioid Version 1 high gain +6dB phase rev delay 2.4ms power 8R 500W 1500W 32dB rmstime 1000ms peaktime 100ms hpf BW12 46Hz lpf LR24 160Hz peq2 46Hz Q2.5 +3dB peq2 67Hz Q2.6 +4dB peq2 275Hz Q6 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

Cardioid-Presets siehe nächste Seite!

7.3 G Sub 1501

LP 100 Hz	LP 120 Hz	LP 140 Hz
#GSub1501 120Hz Version 1 sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms hpf BW12 43Hz lpf LR24 90Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q3.2 +1dB peq2 240Hz Q6.5 -3dB	#GSub1501 120Hz Version 1 sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms hpf BW12 43Hz lpf LR24 108Hz peq2 43Hz Q2.4 +3dB peq2 240Hz Q6.5 -3dB	#GSub1501 120Hz Version 1 sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms hpf BW12 43Hz lpf LR24 123Hz peq2 43Hz Q2.4 +3dB peq2 240Hz Q6.5 -3dB
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
#GSub1501 100Hz Cardioid Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms hpf BW12 43Hz lpf LR24 85Hz peq2 43Hz Q2.5 +4dB peq2 55Hz Q2.4 +3dB peq2 80Hz Q3.2 +1dB peq2 240Hz Q6.5 -3dB	#GSub1501 120Hz Cardioid Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms hpf BW12 43Hz lpf LR24 100Hz peq2 43Hz Q2.5 +4dB peq2 55Hz Q2.3 +2dB peq2 80Hz Q3.2 +1dB peq2 240Hz Q6.5 -3dB	#GSub1501 140Hz Cardioid Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 115ms hpf BW12 43Hz lpf LR24 115Hz peq2 43Hz Q2.5 +4dB peq2 55Hz Q2.3 +2dB peq2 80Hz Q3.2 +1dB peq2 240Hz Q6.5 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

7.4 G Sub 1801

LP 80 Hz	LP 100 Hz	LP 120 Hz
#GSub1801 80Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 80Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1801 100Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 100Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1801 120Hz Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 120Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

Cardioid-Presets siehe nächste Seite!

G Sub 1801 CSA:

LP 80 Hz Cardioid	LP 100 Hz Cardioid	LP 120 Hz Cardioid
<p>#GSub1801 80Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.5ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 75Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1801 100Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.6ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 92Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1801 120Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.6ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 110Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>
LP 80 Hz Hypercardioid	LP 100 Hz Hypercardioid	LP 120 Hz Hypercardioid
<p>#GSub1801 80Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 75Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1801 100Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 92Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1801 120Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 110Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

7.5 G Sub 1802

LP 80 Hz	LP 100 Hz	LP 120 Hz
#GSub1802 80Hz Version 1 sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 80Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1802 100Hz Version 1 sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 100Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#GSub1802 120Hz Version 1 sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 120Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

Cardioid-Presets siehe nächste Seite!

G Sub 1802 CSA:

LP 80 Hz Cardioid	LP 100 Hz Cardioid	LP 120 Hz Cardioid
<p>#GSub1802 80Hz Cardioid Version 1</p> <p>sub gain +5dB phase rev delay 4.5ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 70Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1802 100Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 4.0ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 80Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1802 120Hz Cardioid Version 1</p> <p>sub gain +5dB phase rev delay 4.0ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 95Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>
LP 80 Hz Hypercardioid	LP 100 Hz Hypercardioid	LP 120 Hz Hypercardioid
<p>#GSub1802 80Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.7ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 65Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1802 100Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.4ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 75Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +1dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>	<p>#GSub1802 120Hz Hypercardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.2ms power 4R 2400W 7200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 85Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +1dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

8 Galeo-Serie

8.1 Galeo S Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#Galeo S Sub 100Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 100Hz peq2 42Hz Q2.4 +3dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>	<p>#Galeo S Sub 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 120Hz peq2 42Hz Q2.4 +3dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>	<p>#Galeo S Sub 140Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 140Hz peq2 42Hz Q2.4 +3dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
<p>#Galeo S Sub 100Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 95Hz peq2 42Hz Q2.4 +3dB peq2 52Hz Q2.6 +4dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>	<p>#Galeo S Sub 120Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 115Hz peq2 42Hz Q2.4 +3dB peq2 52Hz Q2.6 +4dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>	<p>#Galeo S Sub 140Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 42Hz lpf LR24 135Hz peq2 42Hz Q2.4 +3dB peq2 52Hz Q2.6 +4dB peq2 70Hz Q2.1 +1dB peq2 200Hz Q1 -5.5dB peq2 230Hz Q6 -3dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 100 ms, Release 200 ms</p>		<p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms</p> <p>#Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 100 ms</p>

8.2 Galeo S Top

Flat		
<pre>#Galeo S Flat Version 1 fullrange gain 0dB phase nor power 16R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 85Hz peq2 85Hz Q2.4 +3dB peq2 450Hz Q2.9 +3dB peq2 800Hz Q0.8 -2dB peq2 900Hz Q6.8 -2dB peq2 1.4kHz Q6.8 -2dB peq2 2.5kHz Q0.9 -5dB peq2 6kHz Q1.2 -3dB peq2 12.5kHz Q3.3 +5dB hshelf Q0.7 1kHz -6dB</pre>		
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

Die Lautsprecher-Presets gelten sowohl für die 70°-Version als auch für die 100°-Version!

8.3 Galeo C Sub

LP 80 Hz	LP 100 Hz	LP 120 Hz
#Galeo C Sub 80Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 80Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 100Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 100Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 120Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 120Hz peq2 35Hz Q2.5 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

Cardioid-Presets siehe nächste Seite!

Galeo C Sub CSA:

LP 80 Hz Cardioid	LP 100 Hz Cardioid	LP 120 Hz Cardioid
#Galeo C Sub 80Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 3.5ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 75Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 100Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 3.6ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 92Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 120Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 3.6ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 110Hz peq2 35Hz Q2.5 +3dB peq2 50Hz Q2 +2dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
LP 80 Hz Hypercardioid	LP 100 Hz Hypercardioid	LP 120 Hz Hypercardioid
#Galeo C Sub 80Hz Hypercardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 75Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 100Hz Hypercardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 92Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB	#Galeo C Sub 120Hz Hypercardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.7ms power 8R 1200W 3600W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf LR24 110Hz peq2 35Hz Q2.5 +3dB peq2 45Hz Q2 +3dB peq2 60Hz Q2 +2dB peq2 220Hz Q1 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

8.4 Galeo C 70° (Arrayanwendung)

Flat	HP	
<p>#Galeo C 70 Flat Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peaktime 10ms hpf LR24 900Hz peq2 1700Hz Q1.5 -7dB peq2 3800Hz Q6 +3dB peq2 4000Hz Q2 -8dB peq2 11000Hz Q3 +9dB peq2 15000Hz Q3 +10dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 80Hz lpf LR24 900Hz peq2 80Hz Q2 +3dB peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 380Hz Q4 +2dB peq2 530Hz Q5 -3dB peq2 860Hz Q5 -12dB</p>	<p>#Galeo C 70 HP Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peaktime 10ms hpf LR24 900Hz peq2 1700Hz Q1.5 -7dB peq2 3800Hz Q6 +3dB peq2 4000Hz Q2 -8dB peq2 11000Hz Q3 +9dB peq2 15000Hz Q3 +10dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 110Hz lpf LR24 900Hz peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 380Hz Q4 +2dB peq2 530Hz Q5 -3dB peq2 860Hz Q5 -12dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +7,0 dBu / 1,740 V peak #RMS-Limitier +2,3 dBu / 1,005 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +39,0 dBu / 69,3 V peak #RMS-Limitier +34,3 dBu / 40,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,8 dBu / 4,263 V peak #RMS-Limitier +10,0 dBu / 2,461 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,8 dBu / 169,7 V peak #RMS-Limitier +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

8.5 Galeo C 70° (Einzelanwendung)

Flat	HP	
<p>#Galeo C 70 Single Flat Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peakttime 10ms hpf LR24 900Hz peq2 1700Hz Q1.5 -7dB peq2 3800Hz Q6 +3dB peq2 4000Hz Q2 -8dB peq2 8000Hz Q3 -2dB peq2 15000Hz Q3 +8dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peakttime 50ms hpf BW18 80Hz lpf LR24 900Hz peq2 80Hz Q2 +3dB peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 380Hz Q4 +2dB peq2 530Hz Q5 -3dB peq2 860Hz Q5 -12dB</p>	<p>#Galeo C 70 Single HP Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peakttime 10ms hpf LR24 900Hz peq2 1700Hz Q1.5 -7dB peq2 3800Hz Q6 +3dB peq2 4000Hz Q2 -8dB peq2 8000Hz Q3 -2dB peq2 15000Hz Q3 +8dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peakttime 50ms hpf BW18 110Hz lpf LR24 900Hz peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 380Hz Q4 +2dB peq2 530Hz Q5 -3dB peq2 860Hz Q5 -12dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +7,0 dBu / 1,740 V peak #RMS-Limitier +2,3 dBu / 1,005 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +39,0 dBu / 69,3 V peak #RMS-Limitier +34,3 dBu / 40,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,8 dBu / 4,263 V peak #RMS-Limitier +10,0 dBu / 2,461 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,8 dBu / 169,7 V peak #RMS-Limitier +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

8.6 Galeo C 100° (Arrayanwendung)

Flat	HP	
<p>#Galeo C 100 Flat Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peaktime 10ms hpf LR24 900Hz peq2 2000Hz Q1.5 -5dB peq2 3700Hz Q2 -7dB peq2 3800Hz Q6 +3dB peq2 11000Hz Q3 +9dB peq2 15000Hz Q3 +8dB</p> <p>low gain 0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 80Hz lpf LR24 900Hz peq2 80Hz Q2 +3dB peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 400Hz Q4 +2dB peq2 600Hz Q3 -5dB peq2 1300Hz Q3 -10dB</p>	<p>#Galeo C 100 HP Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peaktime 10ms hpf LR24 900Hz peq2 2000Hz Q1.5 -5dB peq2 3700Hz Q2 -7dB peq2 3800Hz Q6 +3dB peq2 11000Hz Q3 +9dB peq2 15000Hz Q3 +8dB</p> <p>low gain 0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 110Hz lpf LR24 900Hz peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 400Hz Q4 2dB peq2 600Hz Q3 -5dB peq2 1300Hz Q3 -10dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +7,0 dBu / 1,740 V peak #RMS-Limitier +2,3 dBu / 1,005 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +39,0 dBu / 69,3 V peak #RMS-Limitier +34,3 dBu / 40,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,8 dBu / 4,263 V peak #RMS-Limitier +10,0 dBu / 2,461 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,8 dBu / 169,7 V peak #RMS-Limitier +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

8.7 Galeo C 100° (Einzelanwendung)

Flat	HP	
<p>#Galeo C 100 Single Flat Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peakttime 10ms hpf LR24 900Hz peq2 2000Hz Q1.5 -5dB peq2 3700Hz Q2 -7dB peq2 3800Hz Q6 +3dB peq2 11000Hz Q3 +1dB peq2 15000Hz Q3 +7dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peakttime 50ms hpf BW18 80Hz lpf LR24 900Hz peq2 80Hz Q2 +3dB peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 400Hz Q4 +2dB peq2 600Hz Q3 -5dB peq2 1300Hz Q3 -10dB</p>	<p>#Galeo C 100 Single HP Version 1</p> <p>high gain -7dB phase nor delay 0.0ms power 16R 100W 300W 32dB rmstime 100ms peakttime 10ms hpf LR24 900Hz peq2 2000Hz Q1.5 -5dB peq2 3700Hz Q2 -7dB peq2 3800Hz Q6 +3dB peq2 11000Hz Q3 +1dB peq2 15000Hz Q3 +7dB</p> <p>low gain +0dB phase nor delay 0.6ms power 16R 600W 1800W 32dB rmstime 500ms peakttime 50ms hpf BW18 110Hz lpf LR24 900Hz peq2 150Hz Q2 +3dB peq2 280Hz Q2 -1dB peq2 400Hz Q4 +2dB peq2 600Hz Q3 -5dB peq2 1300Hz Q3 -10dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +7,0 dBu / 1,740 V peak #RMS-Limitier +2,3 dBu / 1,005 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +39,0 dBu / 69,3 V peak #RMS-Limitier +34,3 dBu / 40,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,8 dBu / 4,263 V peak #RMS-Limitier +10,0 dBu / 2,461 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,8 dBu / 169,7 V peak #RMS-Limitier +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

8.8 Galeo T Sub

LP 80 Hz	LP 100 Hz	LP 120 Hz
<p>#Galeo T Sub 80Hz Version 1</p> <p>sub gain +6dB phase nor power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 80Hz peq2 36Hz Q2.4 +3dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>	<p>#Galeo T Sub 100Hz Version 1</p> <p>sub gain +6dB phase nor power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 100Hz peq2 36Hz Q2.4 +3dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>	<p>#Galeo T Sub 120Hz Version 1</p> <p>sub gain +6dB phase nor power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 120Hz peq2 36Hz Q2.4 +3dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>
LP 80 Hz Cardioid	LP 100 Hz Cardioid	LP 120 Hz Cardioid
<p>#Galeo T Sub 80Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.8ms power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 75Hz peq2 36Hz Q2.4 +3dB peq2 40Hz Q2.2 +2dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>	<p>#Galeo T Sub 100Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 4.0ms power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 90Hz peq2 36Hz Q2.4 +3dB peq2 40Hz Q2.2 +2dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>	<p>#Galeo T Sub 120Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 4.0ms power 8R 1500W 4500W 32dB rmstime 1000ms peakttime 100ms hpf BW12 36Hz lpf LR24 110Hz peq2 36Hz Q2.4 +3dB peq2 40Hz Q2.2 +2dB peq2 60Hz Q3.1 +1dB peq2 110Hz Q1.2 -3dB peq2 200Hz Q1.1 -2dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +15,8 dBu / 4,766 V peak #RMS-Limiter +11,0 dBu / 2,752V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +47,8 dBu / 189,7 V peak #RMS-Limiter +43,0 dBu / 109,5 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

8.9 Galeo T Top

Flat	
<p>#Galeo T Flat Version 1</p> <p>high #high+mid gain 0dB phase nor delay 1.2ms power 8R 600W 1800W 32dB rmstime 200ms peaktime 50ms hpf BW24 260Hz peq2 450Hz Q3.8 +4dB peq2 820Hz Q7.1 -6dB peq2 970Hz Q11.8 -3dB peq2 1.1kHz Q6 +3dB peq2 1.45kHz Q5.7 -2dB peq2 2.1kHz Q11 -2dB peq2 2.65kHz Q3.6 -3dB peq2 4.0kHz Q1.1 -2dB peq2 10.0kHz Q1.8 +10dB hshelf Q0.7 1.0kHz -6dB</p> <p>low gain 0dB phase nor delay 0.0ms power 8R 1200W 3600W 32dB rmstime 500ms peaktime 100ms hpf BW18 80Hz lpf BW24 200Hz peq2 80Hz Q2.4 +3dB peq2 145Hz Q2.5 +4dB peq2 300Hz Q1.2 -2dB</p>	
<p>Limiter für Hochtöner und Mitteltöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,8 dBu / 3,014 V peak #RMS-Limiter +7,0 dBu / 1,740 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,8 dBu / 120,0 V peak #RMS-Limiter +39,0 dBu / 69,3 V rms #Zeitwerte für RMS-Limiter: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 10 ms</p>	<p>Limiter für Tieftöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 50 ms</p>

Die Lautsprecher-Presets gelten sowohl für die 70°-Version als auch für die 100°-Version!

9 GL-Serie

9.1 GL-Serie a

Flat	- Low	- - Low
<p>#GL-Serie a Flat PEQ2 Version 1</p> <p>high gain -3.5dB delay 0.18ms phase rev power 16R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf BW24 1.25kHz peq2 1.9kHz Q2.6 -5dB peq2 5.9kHz Q4.5 -2dB peq2 16kHz Q0.6 +11.5dB lshelf 12 3000Hz +3dB</p> <p>mid gain 0dB power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW24 80Hz lpf BW24 1.1kHz peq2 340Hz Q2 +1dB peq2 850Hz Q3.5 -12dB lshelf 12 3000Hz +3dB hshelf 6 600Hz -3dB</p>	<p>#GL-Serie a -Low PEQ2 Version 1</p> <p>high gain -3.5dB delay 0.18ms phase rev power 16R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf BW24 1.25kHz peq2 1.9kHz Q2.6 -5dB peq2 5.9kHz Q4.5 -2dB peq2 16kHz Q0.6 +11.5dB</p> <p>mid gain 0dB power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW24 80Hz lpf BW24 1.1kHz peq2 340Hz Q2 +1dB peq2 850Hz Q3.5 -12dB hshelf 6 600Hz -3dB</p>	<p>#GL-Serie a --Low PEQ2 Version 1</p> <p>high gain -3.5dB delay 0.18ms phase rev power 16R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf BW24 1.25kHz peq2 1.9kHz Q2.6 -5dB peq2 5.9kHz Q4.5 -2dB peq2 16kHz Q0.6 +11.5dB lshelf 12 3000Hz -3dB</p> <p>mid gain 0dB power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW24 80Hz lpf BW24 1.1kHz peq2 340Hz Q2 +1dB peq2 850Hz Q3.5 -12dB lshelf 12 3000Hz -3dB hshelf 6 600Hz -3dB</p>
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +6,1 dBu / 1,557 V peak #RMS-Limitier +1,3 dBu / 0,899 V rms</p> <p>#Limitierwerte berechnet: (für Controllerramps) #Peak-Limitier +38,1 dBu / 62,0 V peak #RMS-Limitier +33,3 dBu / 35,8 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +10,0 dBu / 2,461 V peak #RMS-Limitier +5,3 dBu / 1,421 V rms</p> <p>#Limitierwerte berechnet: (für Controllerramps) #Peak-Limitier +42,0 dBu / 98,0 V peak #RMS-Limitier +37,3 dBu / 56,6 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

Die Lautsprecher-Presets gelten sowohl für GL8, GL16, als auch für GL24!

9.2 GL-Serie xov

Flat	- Low	-- Low
#GL-Serie xov Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW24 80Hz peq2 340Hz Q2.2 +2dB peq2 550Hz Q2.2 +2dB peq2 850Hz Q3.2 -10dB peq2 1.5kHz Q0.6 +4dB peq2 1.9kHz Q2.5 -4dB peq2 5.9kHz Q4.8 -3dB peq2 16kHz Q0.45 +7dB lshelf 12 3000Hz +3dB	#GL-Serie xov -Low PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW24 80Hz peq2 340Hz Q2.2 +2dB peq2 550Hz Q2.2 +2dB peq2 850Hz Q3.2 -10dB peq2 1.5kHz Q0.6 +4dB peq2 1.9kHz Q2.5 -4dB peq2 5.9kHz Q4.8 -3dB peq2 16kHz Q0.45 +7dB	#GL-Serie xov --Low PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW24 80Hz peq2 340Hz Q2.2 +2dB peq2 550Hz Q2.2 +2dB peq2 850Hz Q3.2 -10dB peq2 1.5kHz Q0.6 +4dB peq2 1.9kHz Q2.5 -4dB peq2 5.9kHz Q4.8 -3dB peq2 16kHz Q0.45 +7dB lshelf 12 3000Hz -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

Die Lautsprecher-Presets gelten sowohl für GL8, GL16, als auch für GL24!

9.3 GL 16 Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
#GL16Sub 100Hz PEQ2 Version 1 sub gain +6db phase nor power 5.3R 600W 1200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 53Hz lpf LR24 120Hz peq2 53Hz Q2.5 +4dB peq2 180Hz Q1.2 -3dB peq2 450Hz Q0.8 -8dB peq2 780Hz Q1.8 -3dB	#GL16Sub 120Hz PEQ2 Version 1 sub gain +6db phase nor power 5.3R 600W 1200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 53Hz lpf LR24 120Hz peq2 53Hz Q2.5 +4dB peq2 180Hz Q1.2 -3dB peq2 450Hz Q0.8 -8dB peq2 780Hz Q1.8 -3dB	#GL16Sub 140Hz PEQ2 Version 1 sub gain +6db phase nor power 5.3R 600W 1200W 32dB rmstime 1000ms peaktime 100ms hpf BW12 53Hz lpf LR24 140Hz peq2 53Hz Q2.5 +4dB peq2 180Hz Q1.2 -3dB peq2 450Hz Q0.8 -8dB peq2 780Hz Q1.8 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,3 dBu / 2,009 V peak #RMS-Limiter +5,3 dBu / 1,430 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,3 dBu / 80,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

10 i-Serie

10.1 i4

Flat	HP	
#i4 Flat PEQ2 Version 1 fullrange gain +0dB phase nor power 16R 100W 300W 32dB rmstime 250ms peakttime 50ms hpf BW24 140Hz peq2 160Hz Q3.5 +6dB peq2 750Hz Q1.2 +3dB peq2 1500Hz Q5.9 -2dB peq2 2200Hz Q1.4 -3dB peq2 3000Hz Q6 -3dB peq2 6400Hz Q10.5 -7dB peq2 12600Hz Q9 +4dB	#i4 HP PEQ2 Version 1 fullrange gain +0dB phase nor power 16R 100W 300W 32dB rmstime 250ms peakttime 50ms hpf BW24 160Hz peq2 750Hz Q1.2 +3dB peq2 1500Hz Q5.9 -2dB peq2 2200Hz Q1.4 -3dB peq2 3000Hz Q6 -3dB peq2 6400Hz Q10.5 -7dB peq2 12600Hz Q9 +4dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +2,3 dBu / 1,005 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3 V peak #RMS-Limiter +34,3 dBu / 40,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

10.2 i5

Flat	HP	
#i5 Flat PEQ2 Version 1 fullrange gain +0dB phase nor power 16R 120W 360W 32dB rmstime 250ms peaktime 50ms hpf BW12 120Hz peq2 120Hz Q2.8 +6dB peq2 850Hz Q2.4 +3dB peq2 1100Hz Q3.3 -2dB peq2 1880Hz Q3.5 -3dB peq2 7000Hz Q2.2 +2dB peq2 15000Hz Q4.2 +6dB	#i5 HP PEQ2 Version 1 fullrange gain +0dB phase nor power 16R 120W 360W 32dB rmstime 250ms peaktime 50ms hpf BW18 140Hz peq2 850Hz Q2.4 +3dB peq2 1100Hz Q3.3 -2dB peq2 1880Hz Q3.5 -3dB peq2 7000Hz Q2.2 +2dB peq2 15000Hz Q4.2 +6dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,8 dBu / 1,906 V peak #RMS-Limiter +3,0 dBu / 1,101 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,8 dBu / 75,9 V peak #RMS-Limiter +35,0 dBu / 43,8 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

11 K-Serie

11.1 K20 60°x50°

Flat	HP	
<p>#K20 60x50° Flat version 2 fullrange gain +0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 80Hz peq2 80Hz Q4 +6dB</p> <p>peq2 420Hz Q5 -3dB peq2 640Hz Q5 -3dB peq2 1300Hz Q4 -5dB peq2 2000Hz Q5 +4dB peq2 2500Hz Q0.7 -7.5dB peq2 8000Hz Q3 -2dB</p>	<p>#K20 60x50° HP 100Hz akustisch version 2 fullrange gain +0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 100Hz</p> <p>peq2 420Hz Q5 -3dB peq2 640Hz Q5 -3dB peq2 1300Hz Q4 -5dB peq2 2000Hz Q5 +4dB peq2 2500Hz Q0.7 -7.5dB peq2 8000Hz Q3 -2dB</p>	
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</p>		

11.2 K20 90°x60°

Flat	HP	
#K20 90x60° Flat version 2 fullrange gain +0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 80Hz peq2 80Hz Q4 +6dB peq2 430Hz Q5 -3dB peq2 640Hz Q4 -5dB peq2 1300Hz Q2.5 -3dB peq2 3000Hz Q0.7 -6dB peq2 8000Hz Q3.5 -2dB peq2 10000Hz Q4.5 +3dB	#K20 90x60° HP 100Hz akustisch version 2 fullrange gain +0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf BW18 100Hz peq2 430Hz Q5 -3dB peq2 640Hz Q4 -5dB peq2 1300Hz Q2.5 -3dB peq2 3000Hz Q0.7 -6dB peq2 8000Hz Q3.5 -2dB peq2 10000Hz Q4.5 +3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

11.3 K24 a

Flat	HP	
<p>#K24a Flat PEQ2 Version 1</p> <p>high gain -10dB phase nor power 8R 80W 160W 32dB rmstime 100ms peaktime 10ms hpf BW24 950Hz peq2 800Hz Q4.7 +3dB peq2 1000Hz Q3.5 -2dB peq2 1600Hz Q2.9 -2dB peq2 2500Hz Q7.8 +5dB peq2 3400Hz Q6.5 -2dB peq2 10000Hz Q6.4 -4dB peq2 16000Hz Q5.7 +6dB hshelf 12 5000Hz +5dB</p> <p>mid gain +0dB phase nor power 4R 900W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW12 70Hz lpf BW18 650Hz peq2 90Hz Q2.2 -6dB peq2 315Hz Q3.7 -4dB peq2 380Hz Q4.8 -8dB peq2 600Hz Q8.7 +4dB peq2 700Hz Q4.2 -6dB</p>	<p>#K24a HP 100Hz akustisch PEQ2 Version 1</p> <p>high gain -10dB phase nor power 8R 80W 160W 32dB rmstime 100ms peaktime 10ms hpf BW24 950Hz peq2 800Hz Q4.7 +3dB peq2 1000Hz Q3.5 -2dB peq2 1600Hz Q2.9 -2dB peq2 2500Hz Q7.8 +5dB peq2 3400Hz Q6.5 -2dB peq2 10000Hz Q6.4 -4dB peq2 16000Hz Q5.7 +6dB hshelf 12 5000Hz +5dB</p> <p>mid gain +0dB phase nor power 4R 900W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW12 100Hz lpf BW18 650Hz peq2 90Hz Q2.2 -6dB peq2 315Hz Q3.7 -4dB peq2 380Hz Q4.8 -8dB peq2 600Hz Q8.7 +4dB peq2 700Hz Q4.2 -6dB</p>	
<p>Limiter für Hochtöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +3,0 dBu / 1,101 V peak #RMS-Limiter -1,7 dBu / 0,635 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +35,0 dBu / 43,8 V peak #RMS-Limiter +30,3 dBu / 25,3 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 10 ms</p>	<p>Limiter für Tieftöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,8 dBu / 1,507 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,8 dBu / 60,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 50 ms</p>	

Die Lautsprecher-Presets gelten sowohl für die 60°-Version als auch für die 90°-Version!

11.4 K24 xov

Flat	HP	
#K24xov Flat PEQ2 Version 1 fullrange gain +0dB power 4R 900W 2400W 32dB rmstime 500ms peaktime 50ms phase nor hpf BW12 70Hz peq2 90Hz Q2.2 -6dB peq2 315Hz Q3.7 -4dB peq2 380Hz Q4.8 -8dB peq2 750Hz Q4.1 -6dB peq2 1000Hz Q4.6 -3dB peq2 1600Hz Q2.7 -2dB peq2 2500Hz Q8.5 +6dB peq2 3400Hz Q6.5 -1dB peq2 10000Hz Q6.4 -4dB peq2 16000Hz Q5.7 +6dB hshelf 12 4000Hz +1dB	#K24xov HP 100Hz akustisch PEQ2 Version 1 fullrange gain +0dB power 4R 900W 2400W 32dB rmstime 500ms peaktime 50ms phase nor hpf BW12 100Hz peq2 90Hz Q2.2 -6dB peq2 315Hz Q3.7 -4dB peq2 380Hz Q4.8 -8dB peq2 750Hz Q4.1 -6dB peq2 1000Hz Q4.6 -3dB peq2 1600Hz Q2.7 -2dB peq2 2500Hz Q8.5 +6dB peq2 3400Hz Q6.5 -1dB peq2 10000Hz Q6.4 -4dB peq2 16000Hz Q5.7 +6dB hshelf 12 4000Hz +1dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,8 dBu / 1,507 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,8 dBu / 60,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

Die Lautsprecher-Presets gelten sowohl für die 60°-Version als auch für die 90°-Version!

11.5 K Sub 1502

LP 100 Hz	Lp 120 Hz	LP 140 Hz
#KSub1502 100Hz PEQ2 Version 1 sub gain +6dB phase nor power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 100Hz peq2 45Hz Q2.4 +3dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB	#KSub1502 120Hz PEQ2 Version 1 sub gain +6dB phase nor power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 120Hz peq2 45Hz Q2.4 +3dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB	#KSub1502 140Hz PEQ2 Version 1 sub gain +6dB phase nor power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 140Hz peq2 45Hz Q2.4 +3dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB
LP 100 Hz Cardioid	Lp 120 Hz Cardioid	LP 140 Hz Cardioid
#KSub1502 100Hz Cardioid Version 1 sub gain +7db phase rev delay 2.3ms power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 70Hz peq2 45Hz Q2.4 +3dB peq2 50Hz Q2.2 +2dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB	#KSub1502 120Hz Cardioid Version 1 sub gain +6db phase rev delay 2.3ms power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 80Hz peq2 45Hz Q2.4 +3dB peq2 50Hz Q2.2 +2dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB	#KSub1502 140Hz Cardioid Version 1 sub gain +6db phase rev delay 2.3ms power 4R 1600W 4800W 32dB rmstime 1000ms peaktime 100ms hpf BW12 45Hz lpf LR24 90Hz peq2 45Hz Q2.4 +3dB peq2 50Hz Q2.2 +2dB peq2 80Hz Q2.1 +1dB peq2 200Hz Q0.95 -5.5dB peq2 270Hz Q6 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

11.6 K Sub 1801

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#KSub1801 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 92Hz peq2 38Hz Q2.5 +4dB</p>	<p>#KSub1801 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 110Hz peq2 38Hz Q2.5 +4dB peq2 85Hz Q2.1 -1dB</p>	<p>#KSub1801 140Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 130Hz peq2 38Hz Q2.5 +4dB peq2 85Hz Q2.1 -1dB</p>
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
<p>#KSub1801 100Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 82Hz peq2 38Hz Q2.5 +4dB peq2 50Hz Q2.4 +3dB</p>	<p>#KSub1801 120Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 100Hz peq2 38Hz Q2.5 +4dB peq2 50Hz Q2.4 +3dB peq2 85Hz Q2.1 -1dB</p>	<p>#KSub1801 140Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 2.9ms power 8R 1000W 3000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 38Hz lpf LR24 115Hz peq2 38Hz Q2.5 +4dB peq2 50Hz Q2.4 +3dB peq2 85Hz Q2.1 -1dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,0 dBu / 3,891 V peak #RMS-Limiter +9,2 dBu / 2,247 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,0 dBu / 154,9 V peak #RMS-Limiter +41,2 dBu / 89,4 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

12 L-Serie

12.1 L4

L4 - 8 Ohm Flat	L4 - 32 Ohm Flat	
#L4 8Ohm Flat Version 1 fullrange gain 0dB phase nor power 8R 80W 240W 32dB rmstime 500ms peakttime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	#L4 32Ohm Flat Version 1 fullrange gain 0dB phase nor power 32R 80W 240W 32dB rmstime 500ms peakttime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	

Limitierwerte siehe Abschnitt 12.4 Limitierwerte für L-Serie!

12.2 L8

L8 - 4 Ohm Flat	L8 - 16 Ohm Flat	L8 - 64 Ohm Flat
#L8 4Ohm Flat Version 1 fullrange gain 0dB phase nor power 4R 160W 480W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	#L8 16Ohm Flat Version 1 fullrange gain 0dB phase nor power 16R 160W 480W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	#L8 64Ohm Flat Version 1 fullrange gain 0dB phase nor power 64R 160W 480W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB

Limitierwerte siehe Abschnitt 12.4 Limiterwerte für L-Serie!

12.3 L16

L16 - 8 Ohm Flat	L16 - 32 Ohm Flat	L16 - 128 Ohm Flat
#L16 8Ohm Flat Version 1 fullrange gain 0dB phase nor power 8R 320W 960W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	#L16 32Ohm Flat Version 1 fullrange gain 0dB phase nor power 32R 320W 960W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB	#L16 128Ohm Flat Version 1 fullrange gain 0dB phase nor power 128R 320W 960W 32dB rmstime 500ms peaktime 50ms hpf BW18 180Hz peq2 1200Hz Q0.9 -5dB peq2 2200Hz Q3.2 -8dB peq2 6000Hz Q1.1 +5dB

Limiterwerte siehe Abschnitt 12.4 Limiterwerte für L-Serie!

12.4 Limiterwerte für L-Serie

Limiterwerte für L4 320hm / L8 160hm / L16 80hm

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +9,1 dBu / 2,201 V peak

#RMS-Limiter +4,3 dBu / 1,271 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +41,1 dBu / 87,6 V peak

#RMS-Limiter +36,3 dBu / 50,6 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

Limiterwerte für L4 80hm / L8 40hm

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +3,0 dBu / 1,101 V peak

#RMS-Limiter -1,7 dBu / 0,635 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +35,0 dBu / 43,8 V peak

#RMS-Limiter +30,3 dBu / 25,3 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

Limiterwerte für L8 640hm / L16 320hm

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +15,1 dBu / 4,403 V peak

#RMS-Limiter 10,3 dBu / 2,542 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +47,1 dBu / 175,3 V peak

#RMS-Limiter +42,3 dBu / 101,2 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

Limiterwerte für L16 1280hm

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +21,1 dBu / 8,805 V peak

#RMS-Limiter 16,3 dBu / 5,084 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +53,1 dBu / 2350,5V peak

#RMS-Limiter +48,3 dBu / 202,4 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

13 PS-Serie

13.1 PS1

Flat	HP	
<p>#PS1 Flat PEQ2 Version 1 high gain 0dB delay 0.00ms phase nor power 16R 200W 600W 32dB rmstime 200ms peaktime 20ms hpf BW18 300Hz peq2 400Hz Q3 +1dB peq2 1200Hz Q3 +1dB peq2 1800Hz Q3 -1dB peq2 2150Hz Q7 +4dB peq2 2900Hz Q3 -3dB peq2 4500Hz Q3 -3dB peq2 7500Hz Q3 +3dB peq2 15000Hz Q2 +9dB</p> <p>mid gain 0db delay 0.0ms phase nor power 4R 1200W 3600W 32dB rmstime 500ms peaktime 50ms hpf BW18 80Hz lpf BW24 250Hz peq2 80Hz Q2 6dB peq2 250Hz Q3 +1dB peq2 320Hz Q3 +1dB peq2 400Hz Q5 -3dB</p>	<p>#PS1 HP100Hz akustisch PEQ2 Version 1 high gain 0dB delay 0.00ms phase nor power 16R 200W 600W 32dB rmstime 200ms peaktime 20ms hpf BW18 300Hz peq2 400Hz Q3 +1dB peq2 1200Hz Q3 +1dB peq2 1800Hz Q3 -1dB peq2 2150Hz Q7 +4dB peq2 2900Hz Q3 -3dB peq2 4500Hz Q3 -3dB peq2 7500Hz Q3 +3dB peq2 15000Hz Q2 +9dB</p> <p>mid gain 0db delay 0.15ms phase nor power 4R 1200W 3600W 32dB rmstime 500ms peaktime 50ms hpf BW18 110Hz lpf BW24 250Hz peq2 250Hz Q3 +1dB peq2 320Hz Q3 +1dB peq2 400Hz Q5 -3dB</p>	
<p>Limitier für Hochtöner und Mitteltöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +10,0 dBu / 2,461 V peak #RMS-Limitier +5,3 dBu / 1,421 V rms</p> <p>#Limitierwerte berechnet: (für Controllerramps) #Peak-Limitier +42,0 dBu / 98,0 V peak #RMS-Limitier +37,3 dBu / 56,6 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 20 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +11,8 dBu / 3,014 V peak #RMS-Limitier +7,0 dBu / 1,740 V rms</p> <p>#Limitierwerte berechnet: (für Controllerramps) #Peak-Limitier +43,8 dBu / 120,0 V peak #RMS-Limitier +39,0 dBu / 69,3 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>	

13.2 PS Sub

LP 100 Hz	LP 100 Hz CD	LP 100 Hz HCD
#PS Sub LP 100Hz PEQ2 Version 1 sub gain +6dB phase nor power 8R 1200W 4000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 33Hz lpf LR24 100Hz peq2 33Hz Q3 +5dB peq2 70Hz Q2 -3dB peq2 90Hz Q2 -1dB peq2 145Hz Q2 -8dB	#PS Sub LP 100Hz Cardio PEQ2 Version 1 sub gain +6dB phase rev delay 4.5ms power 8R 1200W 4000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 33Hz lpf LR24 85Hz peq2 33Hz Q3 +5dB peq2 40Hz Q4 +1.5dB peq2 70Hz Q2 -3dB peq2 90Hz Q2 -1dB peq2 145Hz Q2 -8dB	#PS Sub LP 100Hz Hypercardio Version 1 sub gain +6dB phase rev delay 3.5ms power 8R 1200W 4000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 33Hz lpf LR24 85Hz peq2 33Hz Q3 +5dB peq2 37Hz Q4 +2dB peq2 70Hz Q2 -3dB peq2 90Hz Q2 -1dB peq2 145Hz Q2 -8dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +15,3 dBu / 4,493 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +47,0 dBu / 178,9 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

14 TriSource

14.1 TriSource 10

Flat	HP	Low-Boost
<pre>#TriSource10 Flat PEQ2 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW18 55Hz peq2 55Hz Q2.5 +4.5dB peq2 380Hz Q5 -3dB peq2 1.5kHz Q0.71 -1dB peq2 7kHz Q4 +2dB peq2 14kHz Q4 +4dB</pre>	<pre>#TriSource10 HP120Hz akustisch PEQ2 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW18 120Hz peq2 380Hz Q5 -3dB peq2 1500Hz Q0.71 -1dB peq2 7kHz Q4 +2dB peq2 14kHz Q4 +4dB</pre>	<pre>#TriSource10 Low-Boost PEQ2 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW18 55Hz peq2 55Hz Q2.5 +10dB peq2 380Hz Q5 -3dB peq2 1.5kHz Q0.71 -1dB peq2 7kHz Q4 +2dB peq2 14kHz Q4 +4dB</pre>
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +4,0 dBu / 1,231 V peak #RMS-Limiter -0,8 dBu / 0,710 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +36,0dBu / 49,0 V peak #RMS-Limiter +31,2 dBu / 28,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		
<p>Optionale Zusatzfilter</p> <pre>#Soft-Modus #peq2 1.5kHz Q1.2 -3dB #hshelf 6 4kHz -3dB #Korrekturfilter Wandmontage #peq2 160Hz Q1.9 -4dB #peq2 300Hz Q1.9 +4dB</pre>		

15 X-Serie

15.1 X1

Flat	HP	
#X1 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 150W 300W 32dB rmstime 500ms peakttime 50ms hpf BW18 85Hz peq2 85Hz Q2.4 +3dB peq2 150Hz Q3.3 +2dB peq2 5kHz Q5.8 -3dB peq2 6.2kHz Q5.8 +3dB	#X1 HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 150W 450W 32dB rmstime 500ms peakttime 50ms hpf BW18 150Hz peq2 150Hz Q3.3 +2dB peq2 5kHz Q5.8 -3dB peq2 6.2kHz Q5.8 +3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +4,0 dBu / 1,231 V peak #RMS-Limiter +1,0 dBu / 0,870 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +36,0 dBu / 49,0 V peak #RMS-Limiter +33,0 dBu / 34,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

15.2 X2

Flat	HP	
#X2 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 250W 750W 32dB rmstime 500ms peaktime 50ms hpf BW18 80Hz peq2 85Hz Q2.8 +6dB peq2 1.8kHz Q3.3 -2dB peq2 2.7kHz Q4.4 +2dB peq2 6kHz Q3.5 +3dB peq2 10kHz Q3.3 -2dB	#X2 HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 250W 750W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 200Hz Q2.8 -2dB peq2 1.8kHz Q3.3 -2dB peq2 2.7kHz Q4.4 +2dB peq2 6kHz Q3.5 +3dB peq2 10kHz Q3.3 -2dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,0 dBu / 1,946 V peak #RMS-Limiter +3,2 dBu / 1,123 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40 dBu / 77,5 V peak #RMS-Limiter +35,2 dBu / 44,7 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

15.3 X4

Flat	HP	
#X4 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 350W 1000W 32dB rmstime 500ms peaktime 50ms hpf BW18 75Hz peq2 80Hz Q2.8 +6dB peq2 350Hz Q2.2 +2dB peq2 7kHz Q2.4 -3dB	#X4 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 350W 1000W 32dB rmstime 500ms peaktime 50ms hpf BW18 85Hz peq2 90Hz Q1.8 -3dB peq2 350Hz Q2.2 +2dB peq2 7kHz Q2.4 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +9,5 dBu / 2,302 V peak #RMS-Limiter +4,7 dBu / 1,329 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +41,5dBu / 91,7 V peak #RMS-Limiter +36,7 dBu / 52,9 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

15.4 X6

Flat	HP	
#X6 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peakttime 50ms hpf BW18 65Hz peq2 80Hz Q2.8 +6dB peq2 900Hz Q1.6 -1dB peq2 5kHz Q1.7 -2dB peq2 12kHz Q2.2 +2dB	#X6 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peakttime 50ms hpf BW18 85Hz peq2 120Hz Q1.6 +1dB peq2 900Hz Q1.6 -1dB peq2 5kHz Q1.7 -2dB peq2 12kHz Q2.2 +2dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

15.5 X8

Flat	HP	
#X8 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 60Hz peq2 70Hz Q2.8 +6dB peq2 12kHz Q2.4 +3dB	#X8 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 65Hz peq2 75Hz Q1.2 -3dB peq2 12kHz Q2.4 +3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,8 dBu / 3,014 V peak #RMS-Limiter +7,0 dBu / 1,740 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,8 dBu / 120,0 V peak #RMS-Limiter +39,0 dBu / 69,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16 Archiv

16.1 A1 80hm

Flat	HP	
#A1 80hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 100W 300W 32dB rmstime 500ms peakttime 50ms hpf BW12 95Hz peq2 95Hz Q2.5 +4dB peq2 1.8kHz Q3.1 -4dB peq2 3kHz Q3.3 +2dB	#A1 80hm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 100W 300W 32dB rmstime 500ms peakttime 50ms hpf LR24 100Hz peq2 95Hz Q2.5 +4dB peq2 210Hz Q2.2 -1.5dB peq2 1.8kHz Q3.1 -4dB peq2 3kHz Q3.3 +2dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +4,0dBu / 1,231 V peak #RMS-Limiter -0,8 dBu / 0,710 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +36,0 dBu / 49,0 V peak #RMS-Limiter +31,3 dBu / 28,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.2 A1 160hm

Flat	HP	
#A1 160hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 100W 300W 32dB rmstime 500ms peaktime 50ms hpf BW12 95Hz peq2 95Hz Q2.5 +4dB peq2 1.8kHz Q3.1 -4dB peq2 3kHz Q3.3 +2dB	#A1 160hm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 100W 300W 32dB rmstime 500ms peaktime 50ms hpf LR24 100Hz peq2 95Hz Q2.5 +4dB peq2 210Hz Q2.2 -1.5dB peq2 1.8kHz Q3.1 -4dB peq2 3kHz Q3.3 +2dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +2,3 dBu / 1,005 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3 V peak #RMS-Limiter +34,3 dBu / 40,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.3 A2 40hm

Flat	HP	
#A2 40hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW12 75Hz peq2 75Hz Q2.4 +3dB peq2 230Hz Q2.1 -1dB peq2 530Hz Q2.2 -1.5dB peq2 1.3kHz Q3.5 -3dB peq2 4.8kHz Q3 -3dB	#A2 40hm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 75Hz Q2.4 +3dB peq2 230Hz Q2.1 -1dB peq2 530Hz Q2.2 -1.5dB peq2 1.3kHz Q3.5 -3dB peq2 4.8kHz Q3 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +2,0 dBu / 1,066 V peak #RMS-Limiter -2,0 dBu / 0,615 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +34,8 dBu / 42,4 V peak #RMS-Limiter +30,0 dBu / 24,5 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.4 A2 16Ohm

Flat	HP	
#A2 16Ohm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW12 75Hz peq2 75Hz Q2.4 +3dB peq2 230Hz Q2.1 -1dB peq2 530Hz Q2.2 -1.5dB peq2 1.3kHz Q3.5 -3dB peq2 4.8kHz Q3 -3dB	#A2 16Ohm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 75Hz Q2.4 +3dB peq2 230Hz Q2.1 -1dB peq2 530Hz Q2.2 -1.5dB peq2 1.3kHz Q3.5 -3dB peq2 4.8kHz Q3 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.5 A2 MKII 40hm

Flat	HP	
#A2 MKII 40hm Flat PEQ2 Version 2 fullrange gain 0dB phase nor power 4R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 75Hz peq2 75Hz Q2.4 +3dB peq2 350Hz Q1.1 -1.5dB peq2 1.25kHz Q3.5 -3dB peq2 5.1kHz Q3.5 -3dB	#A2 MKII 40hm HP 140Hz akus- tisch PEQ2 Version 2 fullrange gain 0dB phase nor power 4R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 75Hz Q2.4 +3dB peq2 350Hz Q1.1 -1.5dB peq2 1.25kHz Q3.5 -3dB peq2 5.1kHz Q3.5 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +2,3 dBu / 1,005 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3V peak #RMS-Limiter +34,3 dBu / 40,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.6 A2 MKII 16Ohm

Flat	HP	
#A2 MKII 16Ohm Flat PEQ2 Version 2 fullrange gain 0dB phase nor power 16R 400W 1200W 32dB rmstime 500ms peakttime 50ms hpf BW12 75Hz peq2 75Hz Q2.4 +3dB peq2 350Hz Q1.1 -1.5dB peq2 1.25kHz Q3.5 -3dB peq2 5.1kHz Q3.5 -3dB	#A2 MKII 16Ohm HP 140Hz akus- tisch PEQ2 Version 2 fullrange gain 0dB phase nor power 16R 400W 1200W 32dB rmstime 500ms peakttime 50ms hpf BW18 130Hz peq2 75Hz Q2.4 +3dB peq2 350Hz Q1.1 -1.5dB peq2 1.25kHz Q3.5 -3dB peq2 5.1kHz Q3.5 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.7 A3 40hm

Flat	HP	Low-Boost
#A3 40hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW12 60Hz peq2 60Hz Q2.4 +3dB peq2 250Hz Q2.3 -2dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB	#A3 40hm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 60Hz Q2.4 +3dB peq2 250Hz Q2.3 -2.5dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB	#A3 40hm Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW12 60Hz peq2 60Hz Q3.4 +9dB peq2 90Hz Q2.2 +1dB peq2 250Hz Q2.3 -2dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +4,0 dBu / 1,231 V peak #RMS-Limiter -0,8 dBu / 0,710 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +36,0 dBu / 49,0 V peak #RMS-Limiter +31,3 dBu / 28,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.8 A3 160hm

Flat	HP	Low-Boost
#A3 160hm Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW12 60Hz peq2 60Hz Q2.4 +3dB peq2 250Hz Q2.3 -2dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB	#A3 160hm HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 60Hz Q2.4 +3dB peq2 250Hz Q2.3 -2.5dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB	#A3 160hm Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peaktime 50ms hpf BW12 60Hz peq2 60Hz Q3.4 +9dB peq2 90Hz Q2.2 +1dB peq2 250Hz Q2.3 -2dB peq2 750Hz Q4.7 +3dB peq2 1.3kHz Q2.5 -4dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.9 A4

Flat	HP	Low-Boost
#A4 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 250W 750W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q2.4 +3dB peq2 155Hz Q2.3 -2dB peq2 620Hz Q3.5 +2dB peq2 1.2kHz Q3.5 -2dB peq2 2.1kHz Q4.8 +3dB peq2 3.5kHz Q2.3 -2.5dB hshelf 6 5kHz +2dB	#A4 HP PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 250W 750W 32dB rmstime 500ms peaktime 50ms hpf BW18 120Hz peq2 65Hz Q2.4 +3dB peq2 115Hz Q1.8 -3.5dB peq2 155Hz Q2.3 -2dB peq2 620Hz Q3.5 +2dB peq2 1.2kHz Q3.5 -2dB peq2 2.1kHz Q4.8 +3dB peq2 3.5kHz Q2.3 -2.5dB hshelf 6 5kHz +2dB	#A4 Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 250W 750W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q3.4 +9dB peq2 155Hz Q2.3 -2dB peq2 620Hz Q3.5 +2dB peq2 1.2kHz Q3.5 -2dB peq2 2.1kHz Q4.8 +3dB peq2 3.5kHz Q2.3 -2.5dB hshelf 6 5kHz +2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,0 dBu / 1,946V peak #RMS-Limiter +3,2 dBu / 1,123 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40 dBu / 77,5 V peak #RMS-Limiter +35,2 dBu / 44,7 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.10A6

Flat	HP	Low-Boost
#A6 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 59Hz peq2 59Hz Q2.6 +3dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB	#A6 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 105Hz peq2 59Hz Q2.6 +3dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB	#A6 Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 59Hz peq2 59Hz Q3.6 +10dB peq2 180Hz Q3.6 -3dB peq2 950Hz Q3.5 -3dB peq2 1.5kHz Q4.6 +3dB peq2 3.8kHz Q3.5 -2dB peq2 6kHz Q3.5 +2dB peq2 14kHz Q2.4 -3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.11A8

Flat	HP	Low-Boost
#A8 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 53Hz peq2 53Hz Q2.4 +3dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB	#A8 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 110Hz peq2 53Hz Q2.4 +3dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB	#A8 Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 53Hz peq2 53Hz Q3.6 +10dB peq2 380Hz Q4.5 +2dB peq2 950Hz Q4.7 -3dB peq2 1.9kHz Q2.4 +3dB peq2 3.5kHz Q2.3 -2dB peq2 6kHz Q3.5 +3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.12A8 Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
#A8 Sub 100 Hz PEQ2 Version 1 sub gain +6dB power 8R 600W 1200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 48Hz lpf LR24 100Hz peq2 48Hz Q2.4 +3dB peq2 93Hz Q7 -1.5dB	#A8 Sub 120 Hz PEQ2 Version 1 sub gain +6dB power 8R 600W 1200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 48Hz lpf LR24 120Hz peq2 48Hz Q2.4 +3dB peq2 93Hz Q7 -1.5dB	#A8 Sub 140 Hz PEQ2 Version 1 sub gain +6dB power 8R 600W 1200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 48Hz lpf LR24 140Hz peq2 48Hz Q2.4 +3dB peq2 93Hz Q7 -1.5dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,8 dBu / 3,014 V peak #RMS-Limiter +7,0 dBu / 1,740 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,8 dBu / 120,0 V peak #RMS-Limiter +39,0 dBu / 69,3 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

16.13B1502

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#B1502 100Hz Version 2</p> <p>sub gain +6dB power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +6dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 100Hz</p>	<p>#B1502 120Hz Version 2</p> <p>Sub gain +6dB power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +6dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 120Hz</p>	<p>#B1502 140Hz Version 2</p> <p>sub gain +6dB power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +6dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 140Hz</p>
LP 100 Hz CD	LP 120 Hz CD	LP 140 Hz CD
<p>#B1502 100Hz Cardioid Version 2</p> <p>sub gain +7dB phase rev delay 2.3ms power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +8dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 70Hz</p>	<p>#B1502 120Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 2.3ms power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +8dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 80Hz</p>	<p>#B1502 140Hz Cardioid Version 2</p> <p>sub gain +6dB phase rev delay 2.3ms power 4R 1000W 3000W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 50Hz peq2 50Hz Q3.0 +8dB peq2 150Hz Q2.5 -2dB peq2 250Hz Q2.5 -5dB lpf LR24 90Hz</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

16.14B1801

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#B1801 100Hz Version 2</p> <p>sub gain +6dB power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 100Hz</p>	<p>#B1801 120Hz Version 2</p> <p>Sub gain +6dB power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 120Hz</p>	<p>#B1801 140Hz Version 2</p> <p>Sub gain +6dB power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 140Hz</p>
LP 100 Hz CD	LP 120 Hz CD	LP 140 Hz CD
<p>#B1801 100Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 3.2ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 95Hz peq2 52Hz Q3.5 +3dB</p>	<p>#B1801 120Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 3.2ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 110Hz peq2 52Hz Q3.5 +3dB</p>	<p>#B1801 140Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 3.2ms power 8R 800W 2400W 32dB rmstime 1000ms peaktime 100ms</p> <p>hpf BW12 54Hz peq2 54Hz Q3.5 +6dB peq2 230Hz Q4.5 -2dB lpf LR24 125Hz peq2 52Hz Q3.5 +3dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

16.15CB215

Flat		
#CB215 120Hz PEQ2 sub gain +6db phase nor power 4R 1000W 2000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 50Hz lpf LR24 120Hz peq2 50Hz Q2.4 +3dB peq2 78Hz Q5 -4dB peq2 115Hz Q3.4 +2.5dB peq2 260Hz Q3.6 +3.5dB peq2 380Hz Q4.3 -6dB	#CB215 140Hz PEQ2 sub gain +6db phase nor power 4R 1000W 2000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 50Hz lpf LR24 140Hz peq2 50Hz Q2.4 +3dB peq2 78Hz Q5 -4dB peq2 115Hz Q3.4 +2.5dB peq2 260Hz Q3.6 +3.5dB peq2 380Hz Q4.3 -6dB	#CB215 160Hz PEQ2 sub gain +6db phase nor power 4R 1000W 2000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 50Hz lpf LR24 160Hz peq2 50Hz Q2.4 +3dB peq2 78Hz Q5 -4dB peq2 115Hz Q3.4 +2.5dB peq2 260Hz Q3.6 +3.5dB peq2 380Hz Q4.3 -6dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

16.16CT212

Flat		
<pre>#CT212 Flat fullrange gain +0db phase nor power 4R 600W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 120Hz peq2 120Hz Q2.4 +3dB peq2 270Hz Q2.4 -3dB peq2 115Hz Q3.4 +2.5dB peq2 480Hz Q6.6 +2dB peq2 620Hz Q4.5 -4dB peq2 3kHz Q3.6 -3dB hshelf 6 2kHz +2dB</pre>		
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

16.17F8 a

Flat	HP	Low-Boost
<p>#F8a Flat PEQ2 Version 1</p> <p>high gain -12dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -6dB peq2 1.2kHz Q2.2 -2dB peq2 1.6kHz Q5.3 -3dB peq2 1.8kHz Q6.9 -2.5dB peq2 2.5kHz Q8.4 +3dB peq2 3.6kHz Q3.2 -4dB peq2 12.5kHz Q3 +3dB peq2 16kHz Q4 +5dB</p> <p>low gain 0dB phase nor delay 0.6ms power 8R 500W 1500W 32dB rmstime 500ms peakttime 50ms hpf 48Hz BW12 lpf 800Hz LR24 peq2 48Hz Q4 +8dB peq2 120Hz Q1.1 +2dB peq2 130Hz Q5.2 -1dB peq2 250Hz Q5.8 -4dB peq2 340Hz Q5.1 -3dB peq2 700Hz Q2.4 -3dB hshelf 6 600Hz -4dB</p>	<p>#F8a HP 80Hz akustisch PEQ2 Version 1</p> <p>high gain -12dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -6dB peq2 1.2kHz Q2.2 -2dB peq2 1.6kHz Q5.3 -3dB peq2 1.8kHz Q6.9 -2.5dB peq2 2.5kHz Q8.4 +3dB peq2 3.6kHz Q3.2 -4dB peq2 12.5kHz Q3 +3dB peq2 16kHz Q4 +5dB</p> <p>low gain 0dB phase nor delay 0.6ms power 8R 500W 1500W 32dB rmstime 500ms peakttime 50ms hpf 70Hz LR12 lpf 800Hz LR24 peq2 48Hz Q4.3 -6dB peq2 120Hz Q1.1 +2dB peq2 130Hz Q5.2 -1dB peq2 250Hz Q5.8 -4dB peq2 340Hz Q5.1 -3dB peq2 700Hz Q2.4 -3dB hshelf 6 600Hz -4dB</p>	<p>#F8a Low-Boost PEQ2 Version 1</p> <p>high gain -12dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -6dB peq2 1.2kHz Q2.2 -2dB peq2 1.6kHz Q5.3 -3dB peq2 1.8kHz Q6.9 -2.5dB peq2 2.5kHz Q8.4 +3dB peq2 3.6kHz Q3.2 -4dB peq2 12.5kHz Q3 +3dB peq2 16kHz Q4 +5dB</p> <p>low gain 0dB phase nor delay 0.6ms power 8R 500W 1500W 32dB rmstime 500ms peakttime 50ms hpf 48Hz BW12 lpf 800Hz LR24 peq2 48Hz Q4 +8dB peq2 60Hz Q3 +12dB #Low-Boost peq2 120Hz Q1.1 +2dB peq2 130Hz Q5.2 -1dB peq2 250Hz Q5.8 -4dB peq2 340Hz Q5.1 -3dB peq2 700Hz Q2.4 -3dB hshelf 6 600Hz -4dB</p>

Limiter siehe nächste Seite!

Limiter für F8a Hochtöner:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +3,0 dBu / 1,101 V peak

#RMS-Limiter -1,7 dBu / 0,635 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +35,0 dBu / 43,8 V peak

#RMS-Limiter +30,3 dBu / 25,3 V rms

#Zeitwerte für RMS-Limiter:

#Attack 10 ms, Release 20 ms

#Zeitwerte für Peak-Limiter:

#Attack 0 ms, Release 10 ms

Limiter für F8a Tieftöner:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +11,0 dBu / 2,752 V peak

#RMS-Limiter +6,2 dBu / 1,589 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +43,0 dBu / 109,5 V peak

#RMS-Limiter +38,2 dBu / 63,2 V rms

#Zeitwerte für RMS-Limiter:

#Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter:

#Attack 0 ms, Release 50 ms

16.18F8 xov

Flat	HP	Low-Boost
#F8xov Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf 48Hz BW12 peq2 48Hz Q4.4 +9.5dB peq2 250Hz Q5 -1dB peq2 300Hz Q1.8 -3dB peq2 700Hz Q1.9 -4dB peq2 1.7kHz Q4.8 -8dB peq2 2.5kHz Q8.6 +3dB peq2 3.6kHz Q3.2 -4.5dB peq2 12.5kHz Q2.9 +3dB peq2 16kHz Q4 +5dB hshelf 6 6000Hz -4dB	#F8xov HP 80Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf 70Hz LR12 peq2 48Hz Q3.8 -4dB peq2 250Hz Q5 -1dB peq2 300Hz Q1.8 -3dB peq2 700Hz Q1.9 -4dB peq2 1.7kHz Q4.8 -8dB peq2 2.5kHz Q8.6 +3dB peq2 3.6kHz Q3.2 -4.5dB peq2 12.5kHz Q2.9 +3dB peq2 16kHz Q4 +5dB hshelf 6 6000Hz -4dB	#F8xov Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf 48Hz BW12 peq2 48Hz Q4.4 +9.5dB peq2 60Hz Q3 +12dB #Low-Boost peq2 250Hz Q5 -1dB peq2 300Hz Q1.8 -3dB peq2 700Hz Q1.9 -4dB peq2 1.7kHz Q4.8 -8dB peq2 2.5kHz Q8.6 +3dB peq2 3.6kHz Q3.2 -4.5dB peq2 12.5kHz Q2.9 +3dB peq2 16kHz Q4 +5dB hshelf 6 6000Hz -4dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.19F22 a

Flat	HP	Low-Boost
<p>#F22a Flat PEQ2 Version 1</p> <p>high gain -7dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -5dB peq2 1.2kHz Q2.2 -2dB peq2 1.7kHz Q5.2 -5dB peq2 2.5kHz Q8 +3dB peq2 3.3kHz Q3.4 -2dB peq2 9500Hz Q1.1 +1.5dB peq2 10kHz Q4.8 -3dB hshelf 12 15kHz +6dB</p> <p>low gain 0dB phase nor delay 0.56ms power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf 66Hz BW12 lpf 750Hz BW18 peq2 66Hz Q2.4 +3dB peq2 100Hz Q3.6 +3dB peq2 425Hz Q3.3 +2dB peq2 680Hz Q2.2 -1.5dB hshelf 12 600Hz -10dB</p>	<p>#F22a HP PEQ2 Version 1</p> <p>high gain -7dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -5dB peq2 1.2kHz Q2.2 -2dB peq2 1.7kHz Q5.2 -5dB peq2 2.5kHz Q8 +3dB peq2 3.3kHz Q3.4 -2dB peq2 9500Hz Q1.1 +1.5dB peq2 10kHz Q4.8 -3dB hshelf 12 15kHz +6dB</p> <p>low gain 0dB phase nor delay 0.56ms power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf 70Hz BW12 lpf 750Hz BW18 peq2 55Hz Q2.2 +2dB #HP peq2 80Hz Q2.7 -5dB #HP peq2 100Hz Q3.6 +3dB peq2 120Hz Q2.1 +1dB #HP peq2 425Hz Q3.3 +2dB peq2 680Hz Q2.2 -1.5dB hshelf 12 600Hz -10dB</p>	<p>#F22a Flat PEQ2 Version 1</p> <p>high gain -7dB phase nor power 8R 80W 240W 32dB rmstime 100ms peakttime 10ms hpf 750Hz BW18 peq2 800Hz Q1.4 -5dB peq2 1.2kHz Q2.2 -2dB peq2 1.7kHz Q5.2 -5dB peq2 2.5kHz Q8 +3dB peq2 3.3kHz Q3.4 -2dB peq2 9500Hz Q1.1 +1.5dB peq2 10kHz Q4.8 -3dB hshelf 12 15kHz +6dB</p> <p>low gain 0dB phase nor delay 0.56ms power 4R 800W 2400W 32dB rmstime 500ms peakttime 50ms hpf 66Hz BW12 lpf 750Hz BW18 peq2 66Hz Q2.4 +3dB peq2 90Hz Q3.5 +10dB #Low-Boost peq2 100Hz Q3.6 +3dB peq2 425Hz Q3.3 +2dB peq2 680Hz Q2.2 -1.5dB hshelf 12 600Hz -10dB</p>

Limiter siehe nächste Seite!

Limiter für F22a Hochtöner:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +3,0 dBu / 1,101 V peak

#RMS-Limiter -1,7 dBu / 0,635 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +35,0 dBu / 43,8 V peak

#RMS-Limiter +30,3 dBu / 25,3 V rms

#Zeitwerte für RMS-Limiter:

#Attack 10 ms, Release 20 ms

#Zeitwerte für Peak-Limiter:

#Attack 0 ms, Release 10 ms

Limiter für F22a Tieftöner:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +10,0 dBu / 2,461 V peak

#RMS-Limiter +5,3 dBu / 1,421 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +42,0 dBu / 98,0 V peak

#RMS-Limiter +37,3 dBu / 56,6 V rms

#Zeitwerte für RMS-Limiter:

#Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter:

#Attack 0 ms, Release 50 ms

16.20F22 xov

Flat	HP	Low-Boost
#F22xov Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf 66Hz BW12 peq2 66Hz Q2.4 +3dB peq2 80Hz Q2.1 +2dB peq2 160Hz Q3.5 -2.5dB peq2 350Hz Q3.2 +1dB peq2 550Hz Q5 -6dB peq2 1kHz Q1.7 +2dB peq2 1.7kHz Q4.6 -2dB peq2 2.5kHz Q4.6 +2dB peq2 10kHz Q4.6 -2dB peq2 16kHz Q2.2 +2dB	#F22xov HP 80Hz akustisch PEQ2 Version 1 sub gain 0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf 70Hz BW12 peq2 55Hz Q2.2 +2dB #HP peq2 80Hz Q2.3 -3dB #HP peq2 120Hz Q2.1 +1dB#HP peq2 160Hz Q3.5 -2.5dB peq2 350Hz Q3.2 +1dB peq2 550Hz Q5 -6dB peq2 1kHz Q1.7 +2dB peq2 1.7kHz Q4.6 -2dB peq2 2.5kHz Q4.6 +2dB peq2 10kHz Q4.6 -2dB peq2 16kHz Q2.2 +2dB	#F22xov Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 4R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf 66Hz BW12 peq2 66Hz Q2.4 +3dB peq2 80Hz Q2.1 +2dB peq2 90Hz Q3.6 +10dB #Low-Boost Modus peq2 160Hz Q3.5 -2.5dB peq2 350Hz Q3.2 +1dB peq2 550Hz Q5 -6dB peq2 1kHz Q1.7 +2dB peq2 1.7kHz Q4.6 -2dB peq2 2.5kHz Q4.6 +2dB peq2 10kHz Q4.6 -2dB peq2 16kHz Q2.2 +2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.21G3

Flat	
<p>#G3 Flat PEQ2 Version 1</p> <p>high gain -6dB phase nor power 5.3R 240W 720W 32dB rmstime 100ms peaktime 10ms hpf LR24 1100Hz peq2 3500Hz Q0.85 -6dB peq2 1300Hz Q7.8 5dB peq2 14000Hz Q1.3 +9dB</p> <p>mid gain 0dB phase nor delay 0.5ms power 5.3R 1500W 3000W 32dB rmstime 500ms peaktime 50ms hpf BW12 120Hz lpf LR24 1100Hz peq2 150Hz Q2.5 4dB peq2 400Hz Q8.2 +6dB peq2 570Hz Q5.6 -6.0dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +6,0 dBu / 1,552 V peak #RMS-Limitier +1,3 dBu / 0,896 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +38,0 dBu / 61,8 V peak #RMS-Limitier +33,3 dBu / 35,7 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,0 dBu / 3,879 V peak #RMS-Limitier +9,2 dBu / 2,240 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,0 dBu / 154,4 V peak #RMS-Limitier +41,2 dBu / 89,2 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>

Die Lautsprecher-Presets gelten sowohl für die 80°-Version als auch für die 120°-Version!

16.22G Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#GSub 100Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 100Hz peq2 40Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>	<p>#GSub 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 120Hz peq2 40Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>	<p>#GSub 140Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 140Hz peq2 40Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
<p>#GSub 100Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 3.1ms power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 90Hz peq2 40Hz Q2.4 +3dB peq2 55Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>	<p>#GSub 120Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 3.1ms power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 110Hz peq2 40Hz Q2.4 +3dB peq2 55Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>	<p>#GSub 140Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase rev delay 3.1ms power 8R 1200W 3600W 32dB rmstime 1000ms peakttime 100ms hpf BW12 40Hz lpf LR24 125Hz peq2 40Hz Q2.4 +3dB peq2 55Hz Q2.4 +3dB peq2 120Hz Q2.4 -4dB peq2 150Hz Q5.1 -9dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

16.23 Galeo (2005 / erste Serie mit 120°)

Flat	Flat (Version 2018)	
<p>#Galeo 2005 PEQ2 Version 1</p> <p>high gain -6.8dB delay 1.7ms power 16R 80W 240W 32dB hpf 812Hz LR24 peq2 1.23kHz Q3.5 -3dB peq2 2.46kHz Q2.7 -5dB peq2 12.5kHz Q2.6 +5dB</p> <p>mid gain +0dB delay 1ms power 16R 500W 1500W hpf 80Hz BW24 lpf 812Hz LR24 peq2 189Hz Q4.5 -3dB peq2 120Hz Q3.1 +2dB peq2 366Hz Q4.8 +8dB peq2 435Hz Q13 -8dB peq2 630Hz Q3.5 +3dB</p>	<p>#Version3 April 2018 PEQ2 Version 1</p> <p>high gain -9dB delay 0ms power 16R 80W 240W 32dB phase nor hpf 1050hz bw24 peq2 950Hz Q3.8 -4dB peq2 2500Hz Q2.3 -2dB peq2 2670Hz Q5.1 -4dB peq2 5200Hz Q11.3 -4dB peq2 8400Hz Q11 -3dB peq2 10kHz Q1.4 +6dB</p> <p>mid gain 0dB delay 0.5ms power 16R 500W 1500W 32dB phase nor hpf 80Hz BW24 lpf 1050Hz LR24 peq2 520Hz Q8 -5dB peq2 710Hz Q11 -4dB peq2 950Hz Q3.8 -4dB</p>	
<p>Limiter für Hochtöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +6,1 dBu / 1,557 V peak #RMS-Limiter +1,3 dBu / 0,899 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +38,1 dBu / 62,0 V peak #RMS-Limiter +33,3 dBu / 35,8 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 10 ms</p>	<p>Limiter für Tieftöner: #Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,0 dBu / 3,891 V peak #RMS-Limiter +9,2 dBu / 2,240 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,0 dBu / 154,9 V peak #RMS-Limiter +41,2 dBu / 89,4 V rms</p> <p>#Zeitwerte für RMS-Limiter: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: #Attack 0 ms, Release 50 ms</p>	

16.24 Galeo Top (2008)

Flat	
<p>#Galeo 2008 Flat Version 1</p> <p>high gain -8.8dB delay 0ms power 16R 80W 240W hpf 900Hz LR24 peq2 850Hz Q3.5 -2dB peq2 1600Hz Q3.6 -3dB peq2 15.6kHz Q1.6 +8dB</p> <p>mid gain +0dB delay 0.8ms power 16R 500W 1500W hpf 100Hz BW18 lpf 1.25kHz BW18 peq2 300Hz Q3.5 +2dB peq2 450Hz Q7.5 -4dB peq2 520Hz Q3.8 -4dB peq2 750Hz Q4.0 -5dB peq2 1.02kHz Q8 -8dB</p>	
<p>Limitier für Hochtöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +6,1 dBu / 1,557 V peak #RMS-Limitier +1,3 dBu / 0,899 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +38,1 dBu / 62,0 V peak #RMS-Limitier +33,3 dBu / 35,8 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 10 ms, Release 20 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 10 ms</p>	<p>Limitier für Tieftöner: #Limitierwerte berechnet: (32dB Ampgain) #Peak-Limitier +14,0 dBu / 3,891 V peak #RMS-Limitier +9,2 dBu / 2,240 V rms</p> <p>#Limitierwerte berechnet: (für Controlleramps) #Peak-Limitier +46,0 dBu / 154,9 V peak #RMS-Limitier +41,2 dBu / 89,4 V rms</p> <p>#Zeitwerte für RMS-Limitier: #Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limitier: #Attack 0 ms, Release 50 ms</p>

Die Lautsprecher-Presets gelten sowohl für die 80°-Version als auch für die 120°-Version!

16.25 Galeo Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
<p>#Galeo Sub 100Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 100Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.2 +2dB peq2 180Hz Q4.3 -6dB</p>	<p>#Galeo Sub 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 120Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.2 +2dB peq2 180Hz Q4.3 -6dB</p>	<p>#Galeo Sub 140Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 140Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.2 +2dB peq2 180Hz Q4.3 -6dB</p>
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
<p>#Galeo Sub 100Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.7ms power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 70Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.3 +2dB peq2 180Hz Q4.3 -6dB</p>	<p>#Galeo Sub 120Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.7ms power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 78Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.1 +1dB peq2 180Hz Q4.3 -6dB</p>	<p>#Galeo Sub 140Hz Cardioid Version 1</p> <p>sub gain +6dB phase rev delay 3.7ms power 4R 2400W 7200W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 85Hz peq2 43Hz Q2.4 +3dB peq2 80Hz Q2.1 +1dB peq2 180Hz Q4.3 -6dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +14,8 dBu / 4,263 V peak #RMS-Limiter +10,0 dBu / 2,461 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +46,8 dBu / 169,7 V peak #RMS-Limiter +42,0 dBu / 98,0 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

16.26 Galeo XT Top

Flat		
<p>#Galeo XT Flat PEQ2 Version 1</p> <p>high gain -6dB phase rev delay 0ms power 8R 160W 480W 32dB rmstime 100ms peaktime 10ms hpf LR24 1kHz peq2 2kHz Q2.4 -3dB peq2 15.5kHz Q1.8 +10dB</p> <p>mid gain 0dB phase rev delay 0.8ms power 8R 1200W 3600W 32dB rmstime 500ms peaktime 50ms hpf BW12 210Hz lpf BW18 1300Hz apf 210Hz Q1 peq2 970Hz Q8.3 -9dB peq2 370Hz Q5.3 +5dB peq2 270Hz Q2.2 +2dB peq2 200Hz Q3.8 -4dB peq2 150Hz Q1.2 +3dB</p> <p>low gain +6dB phase nor delay 1.55ms power 8R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW24 60Hz lpf LR24 160Hz peq2 250Hz Q1.3 +4dB</p>		

Limiter siehe nächste Seite!

Limiter für Hochtöner Galeo XT Top:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +6,1 dBu / 1,557 V peak

#RMS-Limiter +1,3 dBu / 0,899 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +38,1 dBu / 63,0 V peak

#RMS-Limiter +33,3 dBu / 35,8 V rms

#Zeitwerte für RMS-Limiter: Attack 10 ms, Release 20 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 10 ms

Limiter für Mitteltöner Galeo XT Top:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +14,8 dBu / 4,263 V peak

#RMS-Limiter +10,0 dBu / 2,461 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +46,8 dBu / 169,7 V peak

#RMS-Limiter +42,0 dBu / 98,0 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

Limiter für Tieftöner Galeo XT Top:

#Limiterwerte berechnet: (32dB Ampgain)

#Peak-Limiter +13,0 dBu / 3,481 V peak

#RMS-Limiter +8,3 dBu / 2,010 V rms

#Limiterwerte berechnet: (für Controlleramps)

#Peak-Limiter +45,0 dBu / 138,6 V peak

#RMS-Limiter +40,3 dBu / 80,0 V rms

#Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms

#Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms

16.27 Galeo XT Sub

LP 60 Hz	LP 80 Hz	LP 100 Hz
#Galeo XT Sub 60Hz PEQ2 Version 1 sub gain +6dB phase nor power 2R 3500W 7000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 60Hz peq2 150Hz Q2.8 -2dB peq2 170Hz Q4.2 -6dB	#Galeo XT Sub 80Hz PEQ2 Version 1 sub gain +6dB phase nor power 2R 3500W 7000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 80Hz peq2 150Hz Q2.8 -2dB peq2 170Hz Q4.2 -6dB	#Galeo XT Sub 100Hz PEQ2 Version 1 sub gain +6dB phase nor power 2R 3500W 7000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf LR24 100Hz peq2 150Hz Q2.8 -2dB peq2 170Hz Q4.2 -6dB
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,7 dBu / 2,972 V peak #RMS-Limiter +8,7 dBu / 2,102 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,7 dBu / 118,3 V peak #RMS-Limiter +40,7 dBu / 83,7 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

Galeo XT Sub CSA:

LP 60 Hz	LP 80 Hz	LP 100 Hz
Auf Anfrage	Auf Anfrage	Auf Anfrage

16.28K2

Flat		
<pre>#K2 Flat Version 2 fullrange power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW24 125Hz peq2 210Hz Q3.5 -2dB peq2 330Hz Q3.5 +6dB peq2 1000Hz Q2.0 -6dB peq2 1400Hz Q7.0 -2dB peq2 3000Hz Q1.2 -1dB peq2 9000Hz Q3 +2dB</pre>		
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,8 dBu / 3,014 V peak #RMS-Limiter +7,0 dBu / 1,740 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,8 dBu / 120,0 V peak #RMS-Limiter +39,0 dBu / 69,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

16.29K5

Flat	HP	
#K5 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW12 53Hz peq2 53Hz Q2.4 +3dB peq2 200Hz Q1.2 +3dB peq2 650Hz Q1.9 +3dB peq2 1.6kHz Q3.4 -9dB hshelf 6 9kHz +4dB	#K5 HP PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 800W 2400W 32dB rmstime 500ms peaktime 50ms hpf BW18 80Hz peq2 53Hz Q2.4 +3dB peq2 200Hz Q1.2 +3dB peq2 650Hz Q1.9 +3dB peq2 1.6kHz Q3.4 -9dB hshelf 6 9kHz +4dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.30M1

Flat	Floor	
#M1 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW24 60Hz peq2 1.8kHz Q2.4 -3dB peq2 5.6kHz Q3.3 -2dB peq2 15kHz Q12 -6dB	#M1 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW24 60Hz peq2 300Hz Q7.2 +3dB peq2 820Hz Q6.8 -2dB peq2 1.8kHz Q2.4 -3dB peq2 5.6kHz Q3.3 -2dB peq2 9.5kHz Q6.8 +2dB peq2 15kHz Q12 -6dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.31M2

Flat	Floor	
#M2 Flat PEQ2 Version 1 fullrange power 8R 400W 1200W rmstime 500ms peaktime 50ms hpf BW24 50Hz peq2 300Hz Q2.4 +3dB peq2 800Hz Q3.4 -2dB		
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.32M3

Flat	Floor	
#M3 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW24 50Hz peq2 870Hz Q7 -2dB peq2 1.9kHz Q3.7 -3dB peq2 3.88kHz Q11 -3dB peq2 5.5kHz Q11 -3dB peq2 8.1kHz Q11 +3dB peq2 16.6kHz Q12.5 -6dB hshelf 12 14kHz +3dB	#M3 Floor PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW24 50Hz peq2 870Hz Q7 -2dB peq2 270Hz Q3.7 +3dB peq2 1.9kHz Q3.7 -3dB peq2 3.88kHz Q11 -3dB peq2 6.3kHz Q6.7 -3dB peq2 8.1kHz Q11 +3dB peq2 16.6kHz Q12.5 -6dB hshelf 12 14kHz +3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.33TK212

Flat		
<pre>#TK212 Flat fullrange gain 0dB phase nor power 4R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf 55Hz BW12 peq2 55Hz Q2.4 +3dB peq2 260Hz Q2.2 -2dB peq2 1.2kHz Q0.8 -2dB peq2 1.6kHz Q6.6 -5dB peq2 2.04kHz Q9.5 +5dB peq2 9.0kHz Q1.8 +3dB peq2 14.7kHz Q6.5 -1dB</pre>		
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

16.34 TS Nano

Flat	HP	
#TS Nano Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 120W 360W 32dB rmstime 500ms peaktime 50ms hpf 90Hz BW18 peq2 90Hz Q2.4 +3dB peq2 1200Hz Q2.4 -3dB peq2 1700Hz Q2.4 -3dB	#TS Nano HP 140Hz akustisch Version 1 fullrange gain 0dB phase nor power 16R 120W 360W 32dB rmstime 500ms peaktime 50ms hpf BW18 140Hz peq2 1200Hz Q2.4 -3dB peq2 1700Hz Q2.4 -3dB	
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,8 dBu / 1,906 V peak #RMS-Limiter +3,0 dBu / 1,101 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,8 dBu / 75,9 V peak #RMS-Limiter +35,0 dBu / 43,8 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.35TS Nano MKII

Flat	HP	
<pre>#TS Nano MKII Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf 90Hz BW18 peq2 90Hz Q2.4 +3dB peq2 1200Hz Q2.4 -3dB peq2 1700Hz Q2.4 -3dB</pre>	<pre>#TS Nano MKII HP 140Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 200W 600W 32dB rmstime 500ms peakttime 50ms hpf BW18 140Hz peq2 1200Hz Q2.4 -3dB peq2 1700Hz Q2.4 -3dB</pre>	
<pre>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +7,0 dBu / 1,740 V peak #RMS-Limiter +2,3 dBu / 1,005 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +39,0 dBu / 69,3 V peak #RMS-Limiter +34,3 dBu / 40,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms</pre>		

16.36TS Mini

Flat	HP	Low-Boost
#TS Mini Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW12 85Hz peq2 85Hz Q2.4 +3dB peq2 1kHz Q6.7 -2dB peq2 1.2kHz Q3.7 -4dB peq2 2.3kHz Q3.7 +4dB hshelf 6 8kHz +2dB	#TS Mini HP 140Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW18 140Hz peq2 85Hz Q2.4 +3dB peq2 240Hz Q2.1 -1dB peq2 1kHz Q6.7 -2dB peq2 1.2kHz Q3.7 -4dB peq2 2.3kHz Q3.7 +4dB hshelf 6 8kHz +2dB	#TS Mini Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 16R 150W 450W 32dB rmstime 500ms peaktime 50ms hpf BW12 85Hz peq2 85Hz Q3.4 +9dB peq2 1kHz Q6.7 -2dB peq2 1.2kHz Q3.7 -4dB peq2 2.3kHz Q3.7 +4dB hshelf 6 8kHz +2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.37TSM 8

Flat	HP	Low-Boost
#TSM8 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peaktime 50ms hpf BW12 73Hz peq2 73Hz Q2.4 +3dB peq2 300Hz Q1.5 -1dB peq2 1.05kHz Q2 -1dB peq2 1.8kHz Q2.3 +2dB	#TSM8 HP 140Hz akust. PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peaktime 50ms hpf BW18 130Hz peq2 73Hz Q2.4 +3dB peq2 200Hz Q2.3 -1dB peq2 300Hz Q1.5 -1dB peq2 1.05kHz Q2 -1dB peq2 1.8kHz Q2.3 +2dB	#TSM8 Low-Boost PEQ2 Version 1 high gain 0dB phase nor power 8R 300W 900W 32dB rmstime 500ms peaktime 50ms hpf BW12 73Hz peq2 73Hz Q3.4 +9dB peq2 300Hz Q1.5 -1dB peq2 1.05kHz Q2 -1dB peq2 1.8kHz Q2.3 +2dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,8 dBu / 2,131 V peak #RMS-Limiter +4,0 dBu / 1,231 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,8 dBu / 84,9 V peak #RMS-Limiter +36,0 dBu / 49,0 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.38TSM 10

Flat	HP	Low-Boost
#TSM10 MKI Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q2.4 +3dB peq2 940Hz Q2.3 -2.5dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB	#TSM10 MKI HP 120Hz akust. PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 120Hz peq2 65Hz Q2.4 +3dB peq2 110Hz Q1.7 -2dB peq2 940Hz Q2.3 -2.5dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB	#TSM10 MKI Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q3.6 +10dB peq2 940Hz Q2.3 -2.5dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.39TSM 10 MKII

Flat	HP	Low-Boost
#TSM10 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q2.4 +3dB peq2 790Hz Q2.7 -2dB peq2 1.55kHz Q3.8 +2dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB	#TSM10 HP 120Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW18 120Hz peq2 65Hz Q2.4 +3dB peq2 110Hz Q1.7 -2dB peq2 790Hz Q2.7 -2dB peq2 1.55kHz Q3.8 +2dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB	#TSM10 Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 400W 1200W 32dB rmstime 500ms peaktime 50ms hpf BW12 65Hz peq2 65Hz Q3.6 +10dB peq2 790Hz Q2.7 -2dB peq2 1.55kHz Q3.8 +2dB peq2 2.5kHz Q3.3 -2dB peq2 3.8kHz Q4.8 -3dB peq2 6kHz Q1 -1dB hshelf 6 4kHz -1dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +10,0 dBu / 2,461 V peak #RMS-Limiter +5,3 dBu / 1,421 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +42,0 dBu / 98,0 V peak #RMS-Limiter +37,3 dBu / 56,6 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.40TSM 12

Flat	HP	Low-Boost
#TSM12 Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 56Hz peq2 56Hz Q2.4 +3dB peq2 450Hz Q4.5 +2dB peq2 880Hz Q2.4 -3dB peq2 1.4kHz Q4.7 +3dB peq2 1.8kHz Q4.2 -1dB peq2 5.5kHz Q1.1 +1dB	#TSM12 HP 100Hz akustisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW18 95Hz peq2 56Hz Q2.4 +3dB peq2 450Hz Q4.5 +2dB peq2 880Hz Q2.4 -3dB peq2 1.4kHz Q4.7 +3dB peq2 1.8kHz Q4.2 -1dB peq2 5.5kHz Q1.1 +1dB	#TSM12 Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 500W 1500W 32dB rmstime 500ms peaktime 50ms hpf BW12 56Hz peq2 56Hz Q4 +12dB peq2 450Hz Q4.5 +2dB peq2 880Hz Q2.4 -3dB peq2 1.4kHz Q4.7 +3dB peq2 1.8kHz Q4.2 -1dB peq2 5.5kHz Q1.1 +1dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

16.41 TSM 15 MKII

Flat	HP	Low-Boost
#TSM15 MKII Flat PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW12 46Hz peq2 46Hz Q2.4 +3dB peq2 110Hz Q2.2 -1dB peq2 760Hz Q2.2 -1dB peq2 13.4kHz Q4.9 +3dB hshelf 6 4kHz +1.5dB	#TSM15 MKII HP 100Hz akus- tisch PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW18 100Hz peq2 46Hz Q2.4 +3dB peq2 110Hz Q2.2 -1dB peq2 760Hz Q2.2 -1dB peq2 13.4kHz Q4.9 +3dB hshelf 6 4kHz +1.5dB	#TSM15 MKII Low-Boost PEQ2 Version 1 fullrange gain 0dB phase nor power 8R 600W 1800W 32dB rmstime 500ms peaktime 50ms hpf BW12 46Hz peq2 46Hz Q3.6 +10dB peq2 70Hz Q2.4 +3dB peq2 760Hz Q2.2 -1dB peq2 13.4kHz Q4.9 +3dB hshelf 6 4kHz +1.5dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,8 dBu / 3,014 V peak #RMS-Limiter +7,0 dBu / 1,740 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,8 dBu / 120,0 V peak #RMS-Limiter +39,0 dBu / 69,3 V rms #Zeitwerte für RMS-Limiter: Attack 50 ms, Release 100 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 50 ms		

Die Lautsprecher-Presets gelten sowohl für die 60°-Version als auch für die 90°-Version!

16.42TS Mini Sub dc

LP 80 Hz	LP 120 Hz	LP 180 Hz
<p>#TS Mini Sub dc 80Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf BW24 80Hz peq2 Q3.8 55Hz +3dB</p>	<p>#TS Mini Sub dc 120Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf BW24 120Hz peq2 Q3.8 55Hz +3dB</p>	<p>#TS Mini Sub dc 180Hz PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms hpf BW12 35Hz lpf BW24 180Hz peq2 Q3.8 55Hz +3dB peq2 Q2.7 120Hz +5dB</p>
LP 80 Hz Cardioid	LP 120 Hz Cardioid	LP 180 Hz Cardioid
<p>#TS Mini Sub dc 180Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms apf Q0.3 34Hz hpf BW12 35Hz lpf BW24 80Hz</p>	<p>#TS Mini Sub dc 120Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms apf Q0.3 34Hz hpf BW12 35Hz lpf BW24 120Hz</p>	<p>#TS Mini Sub dc 180Hz Cardioid PEQ2 Version 1</p> <p>sub gain +6dB phase nor power 4R 500W 1000W 32dB rmstime 1000ms peaktime 100ms apf Q0.3 34Hz hpf BW12 35Hz lpf BW24 120Hz peq2 Q2.7 120Hz +5dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +8,0 dBu / 1,946 V peak #RMS-Limiter +3,2 dBu / 1,123 V rms</p> <p>#Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +40,0 dBu / 77,5 V peak #RMS-Limiter +35,2 dBu / 44,7 V rms</p> <p>#Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		

16.43TSM Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
#TSM Sub 100Hz PEQ2 Version 1 sub gain +6dB power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 100Hz peq2 43Hz Q2.4 +3dB	#TSM Sub 120Hz PEQ2 Version 1 sub gain +6dB power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 120Hz peq2 43Hz Q2.4 +3dB	#TSM Sub 140Hz PEQ2 Version 1 sub gain +6dB power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 140Hz peq2 43Hz Q2.4 +3dB
LP 100 Hz Cardioid	LP 120 Hz Cardioid	LP 140 Hz Cardioid
#TSM Sub 100Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 95Hz peq2 43Hz Q2.6 +4dB peq2 60Hz Q2.4 +3dB	#TSM Sub 120Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 112Hz peq2 43Hz Q2.6 +4dB peq2 60Hz Q2.4 +3dB	#TSM Sub 140Hz Cardioid PEQ2 Version 1 sub gain +6dB phase rev delay 2.8ms power 8R 500W 1000W 32dB rmstime 1000ms peakttime 100ms hpf BW12 43Hz lpf BW24 132Hz peq2 43Hz Q2.6 +4dB peq2 60Hz Q2.4 +3dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,0 dBu / 2,752 V peak #RMS-Limiter +6,2 dBu / 1,589 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,0 dBu / 109,5 V peak #RMS-Limiter +38,2 dBu / 63,2 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

16.44 TSE Sub

LP 100 Hz	LP 120 Hz	LP 140 Hz
#TSE Sub 100Hz Version 2 Sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 100Hz peq2 50Hz Q3.5 +6dB peq2 200Hz Q6 -4dB	#TSE Sub 120Hz Version 2 Sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 120Hz peq2 50Hz Q3.5 +6dB peq2 200Hz Q6 -4dB	#TSE Sub 140Hz Version 2 Sub gain +6dB phase nor power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 140Hz peq2 50Hz Q3.5 +6dB peq2 200Hz Q6 -4dB
LP 100 Hz CD	LP 120 Hz CD	LP 140 Hz CD
#TSE Sub 100Hz Cardio Version 2 Sub gain +6dB phase rev delay 3.4ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 90Hz peq2 50Hz Q3.5 +6dB peq2 45Hz Q2.5 +2dB peq2 200Hz Q6 -4dB	#TSE Sub 120Hz Cardio Version 2 Sub gain +6dB phase rev delay 3.4ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 100Hz peq2 50Hz Q3.5 +6dB peq2 45Hz Q2.5 +2dB peq2 200Hz Q6 -4dB	#TSE Sub 140Hz Cardio Version 2 Sub gain +6dB phase rev delay 3.4ms power 8R 800W 2400W 32dB rmstime 1000ms peakttime 100ms hpf BW12 50Hz lpf LR24 115Hz peq2 50Hz Q3.5 +6dB peq2 45Hz Q2.5 +2dB peq2 200Hz Q6 -4dB
#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +13,0 dBu / 3,481 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +45,0 dBu / 138,6 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms		

16.45TSE Infra Sub

LP 60 Hz	LP 80 Hz	LP 100 Hz
<p>#TSE Infra 60Hz Version 2</p> <p>Sub gain +6dB power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 60Hz LR24</p>	<p>#TSE Infra 80Hz Version 2</p> <p>Sub gain +6dB power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 80Hz LR24</p>	<p>#TSE Infra 100Hz Version 2</p> <p>Sub gain +6dB power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 100Hz LR24</p>
LP 60 Hz CD	LP 80 Hz CD	LP 100 Hz CD
<p>#TSE Infra 60Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 5.5ms power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 50Hz LR24 peq2 53Hz Q5 -4dB</p>	<p>#TSE Infra 80Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 5.2ms power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 65Hz LR24 peq2 55Hz Q5 -5dB</p>	<p>#TSE Infra 100Hz Cardioid Version 2</p> <p>Sub gain +6dB phase rev delay 5.0ms power 4R 1600W 3200W 32dB rmstime 1000ms peakttime 100ms hpf 40Hz BW12 peq2 40Hz Q4 +6dB peq2 75Hz Q2.5 +1dB peq2 100Hz Q2.5 -1dB peq2 225Hz Q10 -10dB lpf 80Hz LR24 peq2 55Hz Q5 -6dB peq2 70Hz Q7 -2dB peq2 80Hz Q4 -2.5dB</p>
<p>#Limiterwerte berechnet: (32dB Ampgain) #Peak-Limiter +11,3 dBu / 2,842 V peak #RMS-Limiter +8,3 dBu / 2,010 V rms #Limiterwerte berechnet: (für Controlleramps) #Peak-Limiter +43,3 dBu / 113,1 V peak #RMS-Limiter +40,3 dBu / 80,0 V rms #Zeitwerte für RMS-Limiter: Attack 100 ms, Release 200 ms #Zeitwerte für Peak-Limiter: Attack 0 ms, Release 100 ms</p>		