



FILTER SHEET

HK AUDIO IL TOP-SUB, LAB.GRUPPEN IPD1200/2400

	IL12.1 Top	IL15.1 Top	IL12.2 Top	IL15.2 Top	IL115 Sub	IL118 Sub	IL218 Sub			
Phase	NORM	NORM	NORM	NORM	NORM	NORM	NORM			
Delay [ms]	0	0	0	0	0	0	0			

High Pass

Frequ. [Hz]	150	178	175	185	39	34	38			
Shape	But24	But24	But24	But	But24	But24	But24			

Low Pass

Frequ. [Hz]	Off	Off	Off	Off	106	109	117			
Shape	x	x	x	x	But24	But24	But24			

EQ1

Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell			
Frequ. [Hz]	461	340	457	350	45	40	44			
Q/Bandwidth	4	2.4	3.6	2.4	3.6	4.5	3			
Gain [dB]	-2.8	-2.7	-1	-2.2	2.5	1.25	0.5			

EQ2

Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell			
Frequ. [Hz]	597	433	973	437	66	64	80			
Q/Bandwidth	2.4	3.6	1.8	4.5	1.8	2.2	1.4			
Gain [dB]	-4.4	-1.8	-2.5	-1.2	-5.3	-3.1	-3.5			

EQ3

Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell			
Frequ. [Hz]	1.07k	1.1k	1.34k	731	93	90	115			
Q/Bandwidth	5.1	1.4	5.1	1.8	3.6	2.4	5			
Gain [dB]	-3	-3.6	1.4	-3	-1.5	-1.75	0.8			

EQ4

Type	Bell	Bell	Bell	Bell						
Frequ. [Hz]	1.94k	1.85k	4.83k	1.25k						
Q/Bandwidth	3.6	1.8	6	3.6						
Gain [dB]	-4.6	-3.2	1.4	1						

EQ5

Type	Bell	Bell	Bell	Bell						
Frequ. [Hz]	4.45k	4.7k	7.45k	5.15k						
Q/Bandwidth	1.6	1.2	5.1	4						
Gain [dB]	-5	-4.6	1	2.2						

EQ6

Type	Bell	Bell	Bell	Bell						
Frequ. [Hz]	12.2k	12.9k	17.8k	17.7k						
Q/Bandwidth	1.7	2.2	10	5.1						
Gain [dB]	3.75	4	2	6.2						

EQ7

Type	Low Shelf	Low Shelf	Low Shelf	Low Shelf						
Frequ. [Hz]	181	190	1.06k	774						
Q/Bandwidth	16dB/oct	16dB/oct	18.6dB/oct	16dB/oct						
Gain [dB]	-9	-1.9	2.75	4						

EQ8

Type	High Shelf	High Shelf		High Shelf						
Frequ. [Hz]	6.24k	6.7k		10k						
Q/Bandwidth	16dB/oct	16dB/oct		16dB/oct						
Gain [dB]	-1.75	-4.4		-1.5						

EQ9

Type										
Frequ. [Hz]										
Q/Bandwidth										
Gain [dB]										

EQ10

Type										
Frequ. [Hz]										
Q/Bandwidth										
Gain [dB]										

Peak Limiter

Vpk [dB]	98	98	98	98	98	98	98			
Release [ms]	15	15	15	15	20	20	20			

RMS Limiter

Tresh. [dBu]	28.5	32	28.5	32	42	30	42			
Attack [ms]	15	15	15	15	20	20	20			
Hold [ms]	10	10	10	10	30	30	30			
Release [ms]	80	80	80	80	205	205	205			
Ratio	1.4:1	1.4:1	1.4:1	1.4:1	1.2:1	1.4:1	1.2:1			
Gain [dB]	0	0	0	0	0	0	0			



FILTER SHEET

HK AUDIO IL FULLRANGE, LAB.GRUPPEN IPD1200/2400

	IL82 FR	IL8.1 FR	IL12.1 FR	IL15.1 FR	IL12.2 FR	IL15.2				
Phase	NORM	NORM	NORM	NORM	NORM	NORM				
Delay [ms]	0	0	0	0	0	0				
High Pass										
Frequ. [Hz]	105	100	66	50	68	54				
Shape	But24	But24	But24	But24	But24	But24				
Low Pass										
Frequ. [Hz]	Off	Off	Off	Off	Off	Off				
Shape	x	x	x	x	x	x				
EQ1										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	103	100	156	125	137	118				
Q/Bandwidth	1.5	1.1	0.6	1.2	1.8	1.4				
Gain [dB]	6	6.5	-4.2	-7	-2.2	-8.2				
EQ2										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	158	174	555	394	305	169				
Q/Bandwidth	1.8	3.6	1.2	3.6	3.6	1.4				
Gain [dB]	-2	-2.8	-2.2	-3.4	1.8	-3.4				
EQ3										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	384	344	1.08k	1.15k	597	387				
Q/Bandwidth	6.5	4.3	4.5	1.8	3.6	4				
Gain [dB]	-3.4	-2.75	-3.4	-2.8	1.4	-3.6				
EQ4										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	608	437	2.21k	1.85k	1k	752				
Q/Bandwidth	2.4	5.1	1.8	1.8	4	1.8				
Gain [dB]	-2	2	-2.8	-3	-1.6	-2				
EQ5										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	1k	1.43k	4.66k	4.92k	3.19k	5.15k				
Q/Bandwidth	1.8	7.1	1.8	1.2	3.6	4				
Gain [dB]	-5.6	1.8	-5	-4	-1	1.6				
EQ6										
Type	Bell	Bell	Bell	Bell	Bell	Bell				
Frequ. [Hz]	2.51k	1.82k	12k	12.9k	17.8k	17.7k				
Q/Bandwidth	3.6	2.4	2.4	1.9	10	7				
Gain [dB]	-4	-2	3.1	3.8	2.5	6.2				
EQ7										
Type	Bell	Bell	Low Shelf	Low Shelf	Low Shelf	Low Shelf				
Frequ. [Hz]	4.29k	2.86k	95	140	110	264				
Q/Bandwidth	1.8	3.6	15.2dB/oct	16dB/oct	16dB/oct	11dB/oct				
Gain [dB]	-1	1.6	7	6.4	9	11.25				
EQ8										
Type	High Shelf	High Shelf	High Shelf	High Shelf	High Shelf	High Shelf				
Frequ. [Hz]	14.5k	14.5k	6.24k	6.7k	10.4k	10k				
Q/Bandwidth	16dB/oct	16dB/oct	16dB/oct	16dB/oct	20.7dB/oct	16dB/oct				
Gain [dB]	-4	-5.25	-1.1	-3.9	-2	-2.5				
EQ9										
Type										
Frequ. [Hz]										
Q/Bandwidth										
Gain [dB]										
EQ10										
Type										
Frequ. [Hz]										
Q/Bandwidth										
Gain [dB]										
Peak Limiter										
Vpk [dB]	98	98	98	98	98	98				
Release [ms]	15	15	15	15	15	15				
RMS Limiter										
Tresh. [dBu]	24	32	28.5	32	28.5	32				
Attack [ms]	15	15	15	15	15	15				
Hold [ms]	10	10	10	10	10	10				
Release [ms]	80	80	80	80	80	80				
Ratio	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1				
Gain [dB]	0	0	0	0	0	0				