



# FILTER SHEET

HK AUDIO ELEMENTS, LAB.GRUPPEN IPD1200/2400

	1x e435	2x e435 1x e835	3x e435	4x e435 2x e835	6x e435 3x e835	e110 Sub	LSUB 1200 150Hz			
Phase	Norm	Norm	Norm	Norm	Norm	Norm	Norm			
Delay [ms]	0	0	0	0	0	0	0			

## High Pass

Frequ. [Hz]	150	150	150	150	150	42	42			
Shape	But18	But18	But18	But18	But18	But24	But24			

## Low Pass

Frequ. [Hz]						170	150			
Shape						But12	But24			

## EQ1

Type	Bell	Bell	Bell	Bell	Bell	Bell	Bell			
Frequ. [Hz]	3.02k	377	377	377	377	65.5	150			
Q/Bandwidth	0.8	1	1	1	1	2.3	1.8			
Gain [dB]	-2	2	2	2	2	8	-5			

## EQ2

Type	Bell	Bell	Bell	Bell	Bell		Bell			
Frequ. [Hz]	398	2.91k	2.91k	2.91k	2.91k		57			
Q/Bandwidth	1	1.2	1.2	1.2	1.2		1.1			
Gain [dB]	2	-3.2	-3.2	-3.2	-3.2		1			

## EQ3

Type	Bell	Bell	Bell	Bell	Bell		Allpass			
Frequ. [Hz]	12.9k	7.18k	7.18k	7.18k	7.18k		20			
Q/Bandwidth	2	1.8	1.8	1.8	1.8		0.7			
Gain [dB]	7.5	1.4	1.4	1.4	1.4					

## EQ4

Type	Bell	Bell	Bell	Bell	Bell					
Frequ. [Hz]	9.38k	13.8k	13.8k	13.8k	13.8k					
Q/Bandwidth	5	2.2	2.2	2.2	2.2					
Gain [dB]	-6.2	11.8	11.8	11.8	11.8					

## EQ5

Type		Bell	Bell	Bell	Bell					
Frequ. [Hz]		9.4k	9.4k	9.4k	9.4k					
Q/Bandwidth		5.2	5.2	5.2	5.2					
Gain [dB]		-3.8	-3.8	-3.8	-3.8					

## EQ6

Type		Bell	Bell	Bell	Bell					
Frequ. [Hz]		200	200	200	200					
Q/Bandwidth		2.2	2.2	2.2	2.2					
Gain [dB]		-1	-1	-1	-1					

## EQ7

Type			High Shelf	High Shelf	Bell					
Frequ. [Hz]			8k	8k	500					
Q/Bandwidth			14dB/oct	14dB/oct	1.2					
Gain [dB]			3.5	5.4	-5					

## EQ8

Type					Bell					
Frequ. [Hz]					4.5k					
Q/Bandwidth					1.2					
Gain [dB]					2					

## EQ9

Type					High Shelf					
Frequ. [Hz]					8k					
Q/Bandwidth					14dB/oct					
Gain [dB]					7					

## 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	15	20	20			

## RMS Limiter

Tresh. [dBu]	30	30	30	30	30	26	42			
Attack [ms]	15	15	15	15	15	20	20			
Hold [ms]	10	10	10	10	10	30	30			
Release [ms]	80	80	80	80	80	205	205			
Ratio	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	1.5:1	1.5:1			
Gain [dB]	0	0	0	0	0	0	0			