



FILTER SHEET

HK AUDIO VORTIS (2) VR(2)-10810 with Powersoft Armonia+

	VR(2)-10810 60x40 LC	VR(2)-10810 60x40 FR	VR(2)-10810 90x55 LC	VR(2)-10810 90x55 FR	VR(2)-10810 ASY LC	VR(2)-10810 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	85	120	85	120	85		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		85		85		85		
Q		2.6		2.6		2.6		
Gain [dB]		4.3		4.3		4.3		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	236	236	236	236	236	236		
Q	2.3	2.3	2.3	2.3	2.3	2.3		
Gain [dB]	1.5	1.5	1.5	1.5	1.5	1.5		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	565	565	565	565	565	565		
Q	2.4	2.4	2.4	2.4	2.4	2.4		
Gain [dB]	2	2	2	2	2	2		

EQ4

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	823	823	823	823	823	823		
Q	1	1	1	1	1	1		
Gain [dB]	-5	-5	-5	-5	-5	-5		

EQ5

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]			1198	1198				
Q			3.5	3.5				
Gain [dB]			2.9	2.9				

EQ6

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1600	1600	1600	1600	1600	1600		
Q	2	2	2	2	2	2		
Gain [dB]	2.9	2.9	2.6	2.6	3	3		

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	3513	3513	2709	2709				
Q	4.4	4.4	4.9	4.9				
Gain [dB]	-1.8	-1.8	2	2				

EQ8

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	4900	4900	4900	4900	4900	4900		
Q	4.4	4.4	3.5	3.5	4	4		
Gain [dB]	-2.3	-2.3	-2.7	-2.7	-2.5	-2.5		

EQ9

Type	High-Shelving	High-Shelving	High-Shelving	High-Shelving				
Frequ. [Hz]	3000	3000	3000	3000				
Q	1.25	1.25	1.25	1.25				
Gain [dB]	-2	-2	1	1				

EQ10

Type								
Frequ. [Hz]								
Q								
Gain [dB]								

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [V]								
Attack [ms]								
Hold [ms]								
Release [ms]								
Ratio								
Gain [dB]								



FILTER SHEET

HK AUDIO VORTIS (2) VR(2)-11210 with Powersoft Armonia+

	VR(2)-11210 60x40 LC	VR(2)-11210 60x40 FR	VR(2)-11210 90x55 LC	VR(2)-11210 90x55 FR	VR(2)-11210 ASY LC	VR(2)-11210 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	60	120	60	120	60		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		65		65		65		
Q		2.5		2.5		2.5		
Gain [dB]		5.8		5.8		5.8		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	603	603	364	364	364	364		
Q	0.3	0.3	0.3	0.3	0.3	0.3		
Gain [dB]	-0.5	-0.5	-0.2	-0.2	-0.2	-0.2		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	900	900	1278	1278	1278	1280		
Q	4.9	4.9	10	10	10	10		
Gain [dB]	0.6	0.6	-2	-2	-2	-2		

EQ4

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1215	1215	2044	2044	2000	2000		
Q	6.8	6.8	4	4	2	2		
Gain [dB]	-2.2	-2.2	-5	-5	-4	-4		

EQ5

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1466	1466	3564	3564	3339	3339		
Q	1.9	1.9	7	7	10.3	10.3		
Gain [dB]	-0.6	-0.6	-6	-6	-1	-1		

EQ6

Type	High-Shelving	High-Shelving	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	2000	2000	4896	4896	4088	4088		
Q	1.25	1.25	10	10	3	3		
Gain [dB]	-5	-5	-4.5	-4.5	-5	-5		

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	3221	3221	7497	7497	7497	7497		
Q	2.5	2.5	2	2	2	2		
Gain [dB]	-2.2	-2.2	-2	-2	-2	-2		

EQ8

Type	PEQ (Ways)	PEQ (Ways)						
Frequ. [Hz]	5113	5113						
Q	3	3						
Gain [dB]	-0.8	-0.8						

EQ9

Type								
Frequ. [Hz]								
Q								
Gain [dB]								

EQ10

Type								
Frequ. [Hz]								
Q								
Gain [dB]								

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [dBu]								
Attack [ms]								
Hold [ms]								
Release [ms]								
Ratio								
Gain [dB]								



FILTER SHEET

HK AUDIO VORTIS (2) VR(2)-11214 with Powersoft Armonia+

	VR(2)-11214 60x40 LC	VR(2)-11214 60x40 FR	VR(2)-11214 90x55 LC	VR(2)-11214 90x55 FR	VR(2)-11214 ASY LC	VR(2)-11214 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	60	120	60	120	60		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		65		65		65		
Q		2.5		2.5		2.5		
Gain [dB]		6		6		6		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	215	215	215	215	215	215		
Q	3.7	3.7	3.7	3.7	3.7	3.7		
Gain [dB]	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	351	351	351	351	351	351		
Q	2	2	2	2	2	2		
Gain [dB]	1.1	1.1	1.1	1.1	1.1	1.1		

EQ4

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	728	728	728	728	728	728		
Q	2	2	2	2	2	2		
Gain [dB]	-4.7	-4.7	-3.4	-3.4	-6.1	-6.1		

EQ5

Type	High-Shelving	High-Shelving	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1000	1000	878	878	897	897		
Q	1.12	1.12	3	3	5	5		
Gain [dB]	-6.4	-6.4	-1.5	-1.5	-1.5	-1.5		

EQ6

Type	PEQ (Ways)	PEQ (Ways)	High-Shelving	High-Shelving	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1000	1000	1000	1000	1599	1599		
Q	4.8	4.8	1.12	1.12	2.8	2.8		
Gain [dB]	2.2	2.2	-3.5	-3.5	-5.5	-5.5		

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1384	1384	1198	1198	2689	2689		
Q	8.2	8.2	6	6	4.4	4.4		
Gain [dB]	-1.5	-1.5	2.3	2.3	-4.7	-4.7		

EQ8

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	2000	2000	1658	1658	3971	3971		
Q	5	5	6.5	6.5	3.6	3.6		
Gain [dB]	2.6	2.6	-3.7	-3.7	-3.4	-3.4		

EQ9

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	High-Shelving	High-Shelving		
Frequ. [Hz]	3198	3198	2556	2556	4000	4000		
Q	5	5	6.7	6.7	1.02	1.02		
Gain [dB]	-1.7	-1.7	-3	-3	-5.6	-5.6		

EQ10

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	4896	4896	4058	4058	8476	8476		
Q	3	3	3.5	3.5	4.4	4.4		
Gain [dB]	1.5	1.5	-3.9	-3.9	-2.9	-2.9		

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [dBU]								
Attack [ms]								
Hold [ms]								

**FILTER SHEET**

HK AUDIO VORTIS (2) VR(2)-11510 with Powersoft Armonia+

	VR(2)-11510 60x40 LC	VR(2)-11510 60x40 FR	VR(2)-11510 90x55 LC	VR(2)-11510 90x55 FR	VR(2)-11510 ASY LC	VR(2)-11510 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	50	120	50	120	50		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		55		55		55		
Q		2.5		2.5		2.5		
Gain [dB]		5.8		5.8		5.8		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	582	582	582	582	582	582		
Q	3	3	3	3	3	3		
Gain [dB]	-3	-3	-3	-3	-3	-3		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	891	891	891	891	891	891		
Q	11	11	11	11	11	11		
Gain [dB]	-2	-2	-2	-2	-2	-2		

EQ4

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1000	1000	1000	1000	1000	1000		
Q	3	3	3	3	3	3		
Gain [dB]	-3	-3	-3	-3	-3	-3		

EQ5

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1251	1251	1251	1251	1251	1251		
Q	6	6	6	6	6	6		
Gain [dB]	-2	-2	-2	-2	-2	-2		

EQ6

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	2808	2808	2000	2000	3668	3668		
Q	3	3	4.5	4.5	1.8	1.8		
Gain [dB]	-3	-3	-2	-2	-2.6	-2.6		

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	High Shelving	High Shelving		
Frequ. [Hz]	3695	3695	3388	3388	4490	4490		
Q	2	2	10	10	1.02	1.02		
Gain [dB]	-2	-2	-3.5	-3.5	2.3	2.3		

EQ8

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	4588	4588	4723	4700	4588	4588		
Q	3	3	11.7	11.7	3.7	3.7		
Gain [dB]	-2	-2	-2	-2	-1.8	-1.8		

EQ9

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	7497	7497	8294	8294	7497	7497		
Q	4	4	10	10	4.1	4.1		
Gain [dB]	-3.5	-3.5	-2.5	-2.5	-3.4	-3.4		

EQ10

Type			PEQ (Ways)	PEQ (Ways)				
Frequ. [Hz]			9514	9514				
Q			1.25	1.25				
Gain [dB]			3.6	3.6				

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [dBu]								
Attack [ms]								
Hold [ms]								



FILTER SHEET

HK AUDIO VORTIS (2) VR(2)-11514 with Powersoft Armonia+

	VR(2)-11514 60x40 LC	VR(2)-11514 60x40 FR	VR(2)-11514 90x55 LC	VR(2)-11514 90x55 FR	VR(2)-11514 ASY LC	VR(2)-11514 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	50	120	50	120	50		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		55		55		55		
Q		2.5		2.5		2.5		
Gain [dB]		5.8		5.8		5.8		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	346	346	346	346	346	346		
Q	7.5	7.5	7.5	7.5	7.5	7.5		
Gain [dB]	1.7	1.7	1.7	1.7	1.7	1.7		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	High Shelving	High Shelving	High Shelving	High Shelving		
Frequ. [Hz]	720	720	400	400	400	400		
Q	4	4	0.5	0.5	0.5	0.5		
Gain [dB]	1	1	-3	-3	-5	-5		

EQ4

Type	High Shelving	High Shelving	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	400	400	530	530	530	530		
Q	0.5	0.5	3.8	3.8	3.8	3.8		
Gain [dB]	-5	-5	-1.3	-1.3	-1.3	-1.3		

EQ5

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	530	530	847	847	847	847		
Q	3.8	3.8	10	10	10	10		
Gain [dB]	-1.2	-1.2	-3.1	-3.1	-2.1	-2.1		

EQ6

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1224	1224	1634	1634	2150	2150		
Q	2.8	2.8	8	8	3.1	3.1		
Gain [dB]	-1.2	-1.2	-3.1	-3.1	3	3		

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	2104	2104	2150	2150	5823	5823		
Q	3	3	3	3	4	4		
Gain [dB]	3.3	3.3	3	3	3	3		

EQ8

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	3268	3268	2650	2650	9176	9176		
Q	3	3	10	10	4	4		
Gain [dB]	-1.1	-1.1	-3	-3	3.1	3.1		

EQ9

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	5187	5187	4207	4207				
Q	4	4	3	3				
Gain [dB]	1.9	1.9	-2	-2				

EQ10

Type			PEQ (Ways)	PEQ (Ways)				
Frequ. [Hz]			5781	5781				
Q			4	4				
Gain [dB]			3	3				

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [dBu]								
Attack [ms]								
Hold [ms]								
Release [ms]								
Ratio								
Gain [dB]								



FILTER SHEET

HK AUDIO VORTIS (2) VR(2)-21214 with Powersoft Armonia+

	VR(2)-21214 60x40 LC	VR(2)-21214 60x40 FR	VR(2)-21214 90x55 LC	VR(2)-21214 90x55 FR	VR(2)-21214 ASY LC	VR(2)-21214 ASY FR		
Polarity	NORM	NORM	NORM	NORM	NORM	NORM		
Delay [ms]	0	0	0	0	0	0		

High Pass

Frequ. [Hz]	120	60	120	60	120	60		
Shape	But24	But24	But24	But24	But24	But24		

Low Pass

Frequ. [Hz]								
Shape								

EQ1

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]		65		65		65		
Q		2.5		2.5		2.5		
Gain [dB]		5.8		5.8		5.8		

EQ2

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	213	213	212	212	212	212		
Q	3	3	2.8	2.8	2.8	2.8		
Gain [dB]	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1		

EQ3

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	648	648	648	648	648	648		
Q	1	1	1	1	1	1		
Gain [dB]	-3	-3	-3	-3	-3.2	-3.2		

EQ4

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	1354	1354	1553	1553	1553	1553		
Q	5	5	5	5	3.5	3.5		
Gain [dB]	-4	-4	-4	-4	-2.6	-2.6		

EQ5

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]			2556	2556				
Q			10	10				
Gain [dB]			-3	-3				

EQ6

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	2748	2748						
Q	1.5	1.5						
Gain [dB]	-2.5	-2.5						

EQ7

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	4000	4000	4000	4000	4000	4000		
Q	5	5	4	4	5	5		
Gain [dB]	-2.9	-2.9	-3	-3	-3.1	-3.1		

EQ8

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)		
Frequ. [Hz]	7025	7025			7025	7025		
Q	4	4			4	4		
Gain [dB]	-3	-3			-3	-3		

EQ9

Type	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)	PEQ (Ways)				
Frequ. [Hz]	8476	8476	8000	8000				
Q	1	1	2	2				
Gain [dB]	-2	-2	-1.5	-1.5				

EQ10

Type								
Frequ. [Hz]								
Q								
Gain [dB]								

Peak Limiter

Vpk [dB]								
Release [ms]								

RMS Limiter

Tresh. [dBu]								
Attack [ms]								
Hold [ms]								
Release [ms]								
Ratio								
Gain [dB]								