

DigiMod Integration Kit

Integration Kit for DigiMod Amplifier Modules

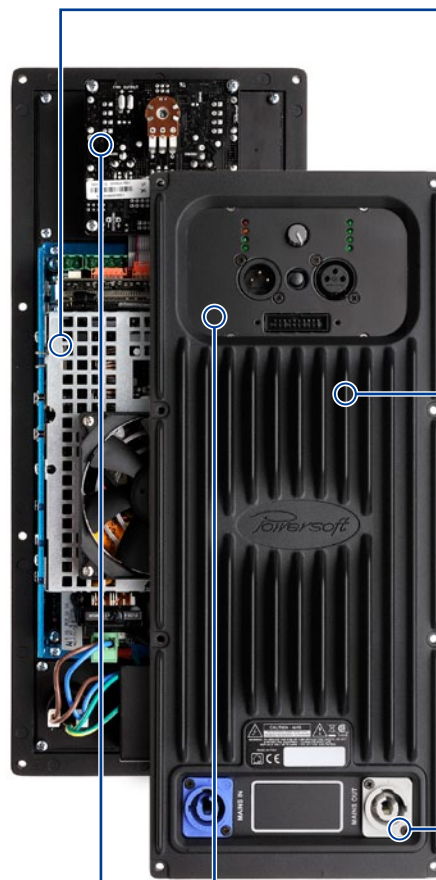


DigiMod IK is all you need to develop your own line of active loudspeakers saving time and resources needed for amp integration and dramatically reducing your time-to-market.

DigiMod IK represents a true plug'n'play solution providing all the power and the quality of DigiMod amps on an elegant aluminum heatsink panel, fully equipped for a complete interface provided with XLR connectors for mono input + link output, volume potentiometers, status and meter LEDs.

DigiMod IK is simply the combination of three parts that just need to be screwed together:

- 1 choose the DigiMod unit
- 2 associate the optional heatsink
- 3 choose the DSP solution that better suits your system.

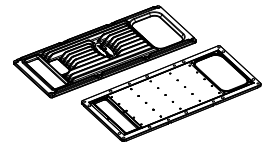


Amp Module

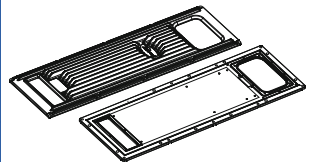
DigiMod 500
DigiMod 1000
DigiMod 1500
DigiMod 2000HV
DigiMod 2004PFC2
DigiMod 3000 PFC single unit
DigiMod 3004PFC4
IpaMod

Heatsink + Mains plugs

Medium Heatsink



Large Heatsink



DSP

DSP-4



1in/4out advanced processing board based on Analog Devices SHARC® platform

40 bit floating point internal processing

Raised-cosine filters, custom FIR, parametric IIR: peaking, hi/lo shelving, hi/lo/band/all pass, band stop + FIR up to 385 taps @ 48 kHz

Dynamics processing with look ahead peak limiter, TruePower™, RMS limiter, Peak limiter

delay: up to 4 s

Up to 10 local presets
fully supported by Armonia Pro Audio Suite™

Input: analog, AES 3, Ethernet and AESOP

DSP-D



2in/4out processing board based on Analog Devices SigmaDSP™ platform

28 bit data path with 56 bit internal processing

fully parametric IIR filters per channel: peaking, hi/lo shelving, hi/lo/band/all pass, band stop

Peak limiter, RMS limiter, frequency dependent RMS limiter

input delay: up to 340 ms
output delay: up to 10 ms

Up to 4 local presets
fully supported by Armonia Pro Audio Suite™

Input: analog

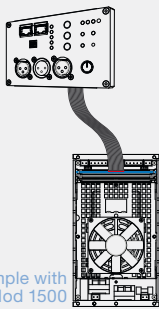
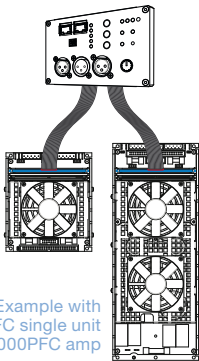
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Integration Kit for DigiMod Amplifier Modules

Heatsink compatibility table

DigiMod Model	Heatsink + Mains connectors	
	Medium	Large
		
DigiMod 500	✓	
DigiMod 1000	✓	
DigiMod 1500	✓	
DigiMod 2000HV	✓	
DigiMod 2004PFC2	✓	
DigiMod 3000 PFC single unit		✓
DigiMod 3004PFC4		✓
IpalMod		✓

DSP compatibility table

DSP model	DigiMod	
DSP-D	All models	
DSP-4	2 channels mode	All models, 1 unit  Example with DigiMod 1500
	4 channels mode	All models, 2 units  Example with DigiMod 3000PFC single unit and DigiMod 3000PFC amp
	PFC 4 version	DigiMod 3004PFC4

DigiMod amp modules

Model	single channel mode			bridge mode
	4 Ω / ch	8 Ω / ch	16 Ω / ch	
DigiMod 500	530 W	280 W	–	–
DigiMod 1000	500 W	260 W	130 W	1000 W @ 8 Ω
DigiMod 1500	750 W	370 W	190 W	1500 W @ 8 Ω
DigiMod 2000HV	–	1050 W	570 W	2100 W @ 16 Ω
DigiMod 2004PFC2	1000 W	600 W	320 W	2000 W @ 8 Ω
DigiMod 3000PFC	1700 W	1100 W	600 W	3400 W @ 8 Ω
DigiMod 3004PFC4	1500 W	1000 W	600 W	3000 W @ 8 Ω
IpalMod	8500 W @ 1 Ω with optional DPC® technology			

