

Features

- Floating point SHARC DSP
- USB/Bluetooth/SPDIF/Optical in
- Dirac Live 3.x upgrade option

Hardware

- ADI ADSP21489 @400MHz
- Multicore XMOS USB audio
- LDAC/aptX Bluetooth streaming
- 8ch Audiophile DAC with great SNR (128dB) & THD+N (0.0003%)
- OLED front panel with IR control

Software Control

- Real time live control
- Win & Mac compatible
- Firmware upgradeable
- 4 preset memory

Applications

- Multi-way active loudspeakers
- Room Correction
- System equalization
- Subwoofer integration
- Multi-Subwoofer tuning

The **Flex Eight** is the latest member of the miniDSP Flex family of advanced audio processors. We've taken advantage of our flexible hardware architecture to cram a full eight channels of DSP and a world-class analog output stage into the compact enclosure.

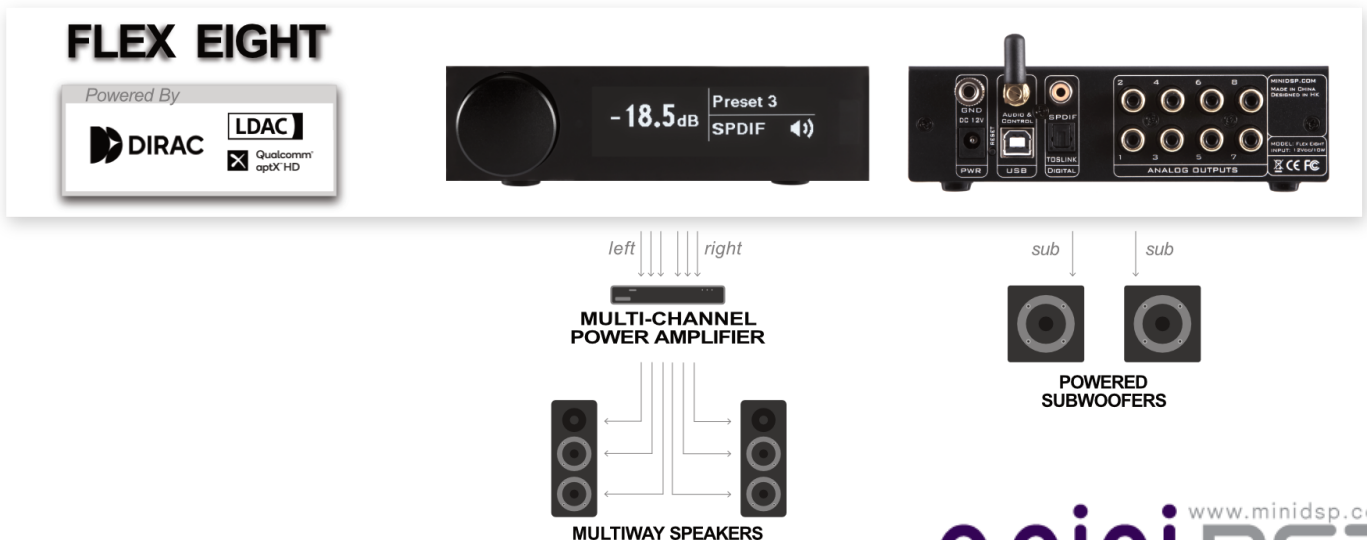
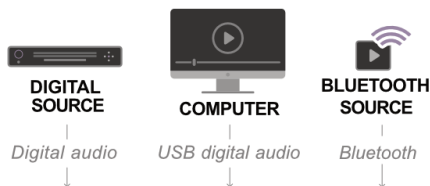
With multiple digital inputs and eight analog output channels, the miniDSP Flex Eight can implement active speakers up to stereo four-way. Flexible signal routing supports many other configurations – two-way, three-way and multiple subwoofers. As always, a full suite of miniDSP's tried and proven audio processing functionality is included: parametric EQ, IIR & FIR filters, crossovers, advanced biquad programming and delay on each output channel.

The Flex Eight has USB audio, S/PDIF (RCA and optical) and Bluetooth (LDAC/aptX) digital inputs. An OLED front panel display and volume control/encoder knob provides easy control. Last but not least, it is easily software-upgradable with Dirac Live®, the world's premiere room correction system.

The **miniDSP Flex Eight** is the perfect solution for a modern compact integrated active speaker/subwoofer system. You just need to let your creativity do the rest!



TYPICAL APPLICATION



TECHNICAL SPECIFICATIONS

	Unbalanced RCA version
Digital Signal Processing Engine	Analog Devices Floating point SHARC DSP: ADSP21489 @ 400MHZ
Processing resolution / Sample rate	32 bit/96 kHz (32 bit/48 kHz with Dirac Live® license)
USB Audio support	UAC2 Audio - ASIO driver provided (Windows) - Plug&Play (Mac/Linux)
Input/Output Configuration	2 channels in / 8 channels out
Digital Stereo Audio Input Connectivity	1 x SPDIF on RCA connector 1 x OPTICAL on Toslink connector 1 x USB audio (stereo) 1 x Bluetooth with support for: LDAC™/aptX™ HD/aptX™/AAC/SBC Supported Sample Rate: 20 - 216 kHz
Digital Audio Output Connectivity	Not Applicable
Analog Audio Output Connectivity	8 x Unbalanced RCA
Analog Audio Output Impedance	200 Ω
Analog Output Max Level	2 V RMS
Frequency Response	20 Hz - 20 kHz ± 0.05 dB
SNR (Digital to Analog)	125 dB(A) with DRE enabled
THD+N (Digital to Analog)	-111 dB (0.0003 %)
Crosstalk (Digital to Analog)	-120 dB
Filtering Technology	FIR + IIR / Stereo FIR bank on input (2 x 2048 taps @ 96kHz) Upgradable to Dirac Live® 3.x Full Range correction (20 Hz - 20 kHz)
DSP Presets	Up to 4 presets
Dimensions	150x180x41 mm
Accessories	IR Remote
Power Supply	Included external switching PSU 12V/1.6A (US/UK/EU/AU plugs)
Power Consumption	4.0 W (idle) 2.5 W (standby)

