

BLANCH

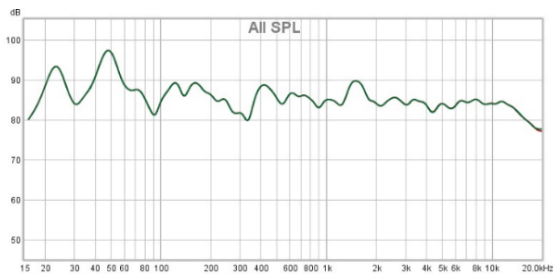
AUDIO RESEARCH



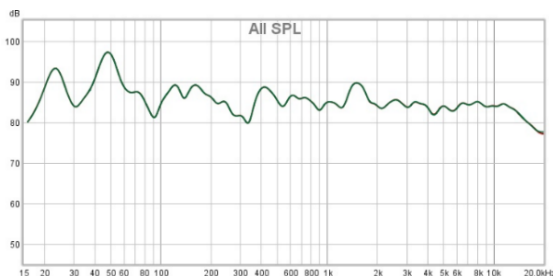
The Room Shaker is a cost-optimized real-time DSP for home theater subwoofers. It is designed to boost ultra-low and infrasonic frequency content (in the 5 to 40 Hz range) in any input signal. It is fully compatible with the filter format used by BEQDesigner, so the Room Shaker can be used to implement pre-existing BEQ curves. Adaptive mode allows the Room Shaker to automatically balance bass output. Don't leave performance on the table - get the most out of your subwoofers! The Room Shaker features:

- 480 MHz Cortex-M7 CPU with DSP
- 48 kHz, 24 bit ADC and DAC
- 2 independent inputs and outputs
- USB-C interface to upload BEQ or custom filters
- Adaptive mode to automatically balance bass spectrum
- Designed, assembled, and tested by hand in the USA

Before Room Shaker



After Room Shaker



Specifications

	Min	Nom	Max	Units
Power Supply Voltage		12		V (DC)
Power				W
Input Signal Voltage	-	-	2	V (RMS)
Output Signal Voltage	-	-	2	V (RMS)
Input Signal Frequency	0.3	-	24k	Hz
Output Signal Frequency	0.3	-	24k	Hz
Input Impedance				Ohms
Output Load Impedance	10	50	-	kOhms
Sampling Frequency	-	48	-	kHz
Sampling Depth	-	24	-	Bits
AC Coupling (Input)	-	Yes	-	-
AC Coupling (output)	-	Yes	-	-

Typical Application

