



## SUB 12 - 12" Active Subwoofer

### General Specifications

All subwoofer measurements are measured using the subwoofer direct input, which does not have a low pass filter.

Voltage Sensitivity 90dB SPL @ 100mv @ 1M  
(40 to 80Hz bandwidth limited pink noise)

Frequency Response (anechoic) 30 to 200Hz +/-3dB

Typical In-Room Response 20 to 200Hz (3000 Cubic Feet)

### Bass Management Section

Input Impedance 20k Ohms balanced  
Common Mode Rejection Ratio 40dB typical @60Hz  
Maximum Input Level (all inputs) +24dBu balanced  
Maximum Output Level +24dBu balanced  
Output Impedance 200 Ohms balanced  
Auto Mute Time Out >15 Minutes  
Mute Threshold (all inputs) 30mV

### Left & Right Inputs to Sat Outputs

Gain (balanced in and out) 0dB  
High-Pass Filter type 2nd order Linkwitz-Riley  
High-Pass Filter Cutoff 80Hz  
High-pass Filter Q .707  
THD + Noise .002% @ 1kHz @ +4dBu

### Left & Right Inputs to Sub Out

Gain 0dB  
Low-Pass Filter Type 4th order Linkwitz-Riley  
Low-Pass Cutoff 80Hz

### Subwoofer Direct In to Direct Output

Gain 0dB  
Low-Pass Filter None

### Enclosure

- \* Solid 3/4" MDF construction with 1" MDF Front and Rear Baffle
- \* Viscoelastic energy absorbing front baffle coating
- \* Flush mounted driver
- \* Isolation feet are included. Inserts for optional attachment of spike feet.
- \* Dimensions are 18" H x 16" W x 20" D (22.07" with heatsink and grill)
- \* Weight 62lbs.

### 12" Woofer

- \* Long excursion design with cast aluminum frame.
- \* 2" voice coil with vented motor for high power handling
- \* Fully video shielded

### Subwoofer Amplifier

- \* Discrete symmetrical bipolar design with localized feedback
- \* 200-W RMS into 4 Ohms
- \* THD + Noise less than 0.015% at rated power @100Hz
- \* Adjustable gain control

