

## Resonance™



Resonance™ loudspeakers are a singularly unique design and no company in the industry builds anything like it when it comes to reproducing digital organ pedal stops. Resonance™ provides the capability of reproducing the deepest 16' and 8' pedal stops and revealing the textures and overtones with a warm, rich response.

The impressive sensitivity and power handling compliment its unique and wonderful sound quality providing another loudspeaker selection that integrates readily with the other Organ Expressions Series full-range loudspeakers.

Resonance™ is recommended for use as the pedal division loudspeaker for digital organ systems that can route these ranks independently of the manuals.

Resonance™ incorporates Low Diffraction Acoustic Coupling™ or LDAC™, a proprietary, low-midrange frequency enhancement principle that reduces phase distortion and smoothes frequency response both on and off axis.

In addition this symmetrical design also incorporates Extended Vent Tuning™ or EVT™ to combine multiple low frequency resonant points with Parallel-Tuning™ for a given cabinet size. This fundamental principle is achieved through the strategic calculation of cabinet volume, along with vent size, placement and acoustic damping within the enclosure in direct relationship to the loudspeakers.

# Concert Systems

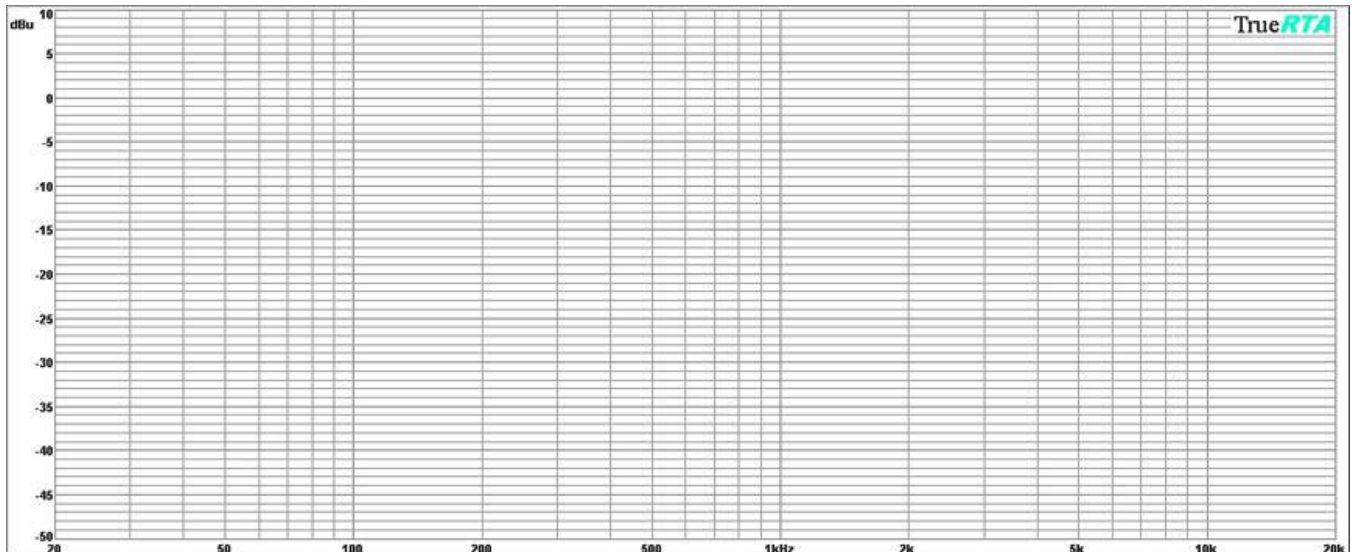
www.concertsystemsllc.com

Organ Expression Series™

## Resonance™

### Architectural Design and Engineering Specifications:

Exterior Finish:	Utility Gray or unfinished Baltic Birch
Exterior Dimensions:	31.75H/23.75W/22.5D
Net Weight:	82 Lbs.
Loudspeakers:	15 inch High-Compliance Woofer
Mid/High Frequency:	6 inch Extended-Range Cone Driver
Frequency Dividing:	Passive 2-way- 2 <sup>nd</sup> Order Butterworth at 2.5 KHz
Mid Level Control:	100 Watt L-Pad (accessed on front panel)
Connectors:	5-way Binding Posts with 10 gauge wire capacity
Optional:	Bi-Amp Configuration with Dual 5-way Binding Posts
Frequency Range:	30Hz – 8,000Hz
Sensitivity:	97db (1 Watt/1 Meter)
Power Handling:	500 Watts RMS/1000 Watts Program (Passive System) 75 Watts RMS for 6 Inch Cone Driver (Bi-Amp Configuration)
Nominal Impedance:	8 Ohms (Passive); (2) x 8 Ohm load (Bi-Amp Configuration)



### Resonance: 1/3 Octave Frequency Response Graph (Pending)

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