A company built on solid ground.

Launched in 2005, Danley Sound Labs is the home of legendary acoustician and loudspeaker designer Tom Danley. His innovative work has been used by NASA and the military, not to mention millions of sound enthusiasts the world over. With his patented Synergy Horn technology, Tom’s designs offer unparalleled array-ability, pattern control, phase coherence, and fidelity. With the advent of Danley’s large-format Jericho and Genesis horn technology, large sports facilities are beginning to appreciate the distinct advantages of Danley’s exclusive technology. The Jericho and Genesis horns produce the massive SPLs and controlled coverage required by stadiums and arenas, and they do so without compromising phase coherence or fidelity. Today, the team of engineers at Danley Sound Labs continue to create clear and true loudspeakers for acoustic challenges once thought to be unattainable. Listen and you will know the difference.
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Synergy Horn

Every so often, an individual has an idea that changes things in a fundamental way. Tom Danley’s Synergy Horn™ is one of those ideas. The Synergy Horn™ makes it possible to build loudspeakers that perform the way loudspeakers should perform. In the past, horns have fallen out of favor, not because horns are inherently bad sounding, but because no one could figure out how to build a practical full range horn. The Synergy Horn™ allows Danley Sound Labs to build full range, point source loudspeakers which are phase accurate, and consistent in response over the entire coverage angle. The Synergy Horn™ is at the heart of virtually all full range Danley loudspeakers. It is the technology which allows us to put multiple drivers of different bandwidths into a single horn, and make them behave as a single full range loudspeaker.
SM100
The SM100 is a two-way full range Synergy Horn™ loudspeaker that flawlessly delivers 100 degree dispersion. It is an excellent choice for distributed systems due to its superior pattern control, frequency response and overall fidelity. The pre-installed 1 3/8” pole cup for tripods makes the SM100 a great choice for portable systems.

SM100B
The Danley SM100B provides the additional power of a tapped horn wrapped around the high fidelity and incredible pattern control of an SM-100. With its tight, low-end response, one loudspeaker per side (with or without subwoofers) will do an amazing job of covering a substantial seating area. The Danley SM100B is available for permanent installation or touring.

SM100F
SM-100F is an incredibly powerful broadband product in a very small package. One SM100F per side, with or without subwoofers, will do an amazing job of covering a substantial seating area. The touring version can easily be transported and set up by a one man crew.

SM80
The SM80 is Danley’s answer for those that are looking for high performance in an ultra-compact design. A single cabinet can produce quality audio well beyond 130dB from a compact full range Synergy Horn that weighs 65lbs. From installations to corporate A/V, the SM80 is a game changer in output per pound!

SM80F
The SM80F performs like no other loudspeaker its size. Combining synergy and tapped horn technology in one relatively small package, this loudspeaker hardly needs subwoofers to boast impressive low end while providing clean and clear audio across the rest of the frequency spectrum.

Frequency Response 50Hz-24KHz
SPL 120dB Cont. 126dB Peak @ 1m
Sensitivity @ 1m (2.83V) 95dB SPL
Power Handling 600W Prog.
Impedance 8 Ohm
Coverage 110° Conical
Size HWD: 20.5”x20.5”x9”
Weight 45 lbs / 20.4 Kg

Frequency Response 30Hz-24KHz
SPL 124dB Cont. 130dB Peak @ 1m
Sensitivity @ 1m (2.83V) 98dB SPL
Power Handling 1600W Prog.
Impedance 4 Ohm
Coverage 110° Conical
Size HWD: 20.5”x33.5”x19”
Weight 135 lbs / 61.2 Kg

Frequency Response 42Hz-19KHz
SPL 128dB Cont. 134dB Peak @ 1m
Sensitivity @ 1m (2.83V) 98dB SPL
Power Handling 1600W Prog.
Impedance 8 Ohm
Coverage 110° Conical
Size HWD: 33.5”x20.5”x19”
Weight 122 lbs / 55.3 Kg

Frequency Response 110Hz-22KHz
SPL 128dB Cont. 134dB Peak @ 1m
Sensitivity @ 1m (2.83V) 102dB SPL
Power Handling 800W Prog.
Impedance 8 Ohm
Coverage 80° Conical
Size HWD: 25.5”x24”x12.75”
Weight 65 lbs / 29.5 Kg

Frequency Response 39Hz-23KHz
SPL L-135dB Cont. M/H-128 Cont.
Sensitivity L-106dB M/H-102dB
Power Handling L-6.8 KW M/H-800 W
Impedance L-2 Ohm M/H-8 Ohm
Coverage 80° Conical
Size HWD: 45”x26”x28”
Weight 215 lbs / 97.5 Kg

www.danleysoundlabs.com
**SM96**  
The SM96 is a 90 degree wide version of the popular SM60. The SM96 combines great fidelity, low frequency pattern control and unrivaled magnitude/phase response into an ultra-compact enclosure. The SM96 is available for installation or for touring.

**SM60F**  
The SM60F has the added benefit of truly modular array-ability. The SM60F combines great fidelity, low frequency pattern control and unrivaled magnitude/phase response into an ultra-compact enclosure. Available in both touring and install versions.

**SM60M**  
The SM60M is perfect for mains with bass arrays, fills and distributed audio applications. The SM60M is a mid-high version of the SM60F without the dual 8" low frequency drivers. Available in install version only.

**Frequency Response 42Hz-26KHz**  
SPL 124dB Cont. 130dB Peak @ 1m  
Sensitivity @ 1m (2.83V) 98dB SPL  
Power Handling 1600 W Prog.  
Impedance 4 Ohm  
Coverage 90°H x 60°V  
Size HWD 21”x31.5”x15.5”  
Weight 73 lbs / 33.1 Kg

**Frequency Response 52Hz-26KHz**  
SPL 125dB Cont. 131dB Peak @ 1m  
Sensitivity @ 1m (2.83V) 99dB SPL  
Power Handling 1600 W Prog.  
Impedance 4 Ohm  
Coverage 60°H x 60°V  
Size HWD 20.6”x20.6”x16.3”  
Weight 50 lbs / 22.7 Kg

**Frequency Response 178Hz-24KHz**  
SPL 124dB Cont. 130dB Peak @ 1m  
Sensitivity @ 1m (2.83V) 100dB SPL  
Power Handling 500 W Prog.  
Impedance 8 Ohm  
Coverage 60°H x 60°V  
Size HWD 20.6”x20.6”x16.3”  
Weight 45 lbs / 20.4 Kg

Danley is installed at Juarez Baseball Stadium in Juarez, Mexico. Installed are TH118s and SM80s around the roof of the stadium, all arranged for maximum sound potential.
SM80M
The SM80M is Danley’s answer for those that are looking for the ultimate floor monitor. It is switchable between passive and biamped operation. The large horn provides significant forward directivity thus keeping the sound on the stage and not bleeding back into the first few rows of the audience. It has two angles of operation with dual input/output connections on each side—reducing cable clutter.

SM LPM (Low Profile Monitor)
The Danley SM LPM is a wide dispersion fully horn-loaded monitor loudspeaker. Due to the large horn mouth, the Danley SM LPM offers substantial directivity with front to back rejection and high gain before feedback. High frequencies are very smooth throughout the coverage pattern and there is no beaming. The SM LPM sets a new benchmark in floor monitor loudspeakers. It is provided with a pole cup and 4 NL4 connectors, two pairs contained within each recessed handle.

SM100M
The SM100M combines accuracy, fidelity and economy. The SM100M is a wedge style monitor that offers wide dispersion with front to back rejection and high gain before feedback.

Frequency Response 70Hz-20KHz
SPL 128dB Cont. 134dB Peak @ 1m
Sensitivity @ 1m (2.83V) 102dB SPL
Power Handling 800W Prog.
Impedance 8Ohm
Coverage 80°H x 80°V
Size H/W/D 16.5”x25.5”x24”
Weight 65 lbs / 29.5 Kg

Frequency Response 52Hz-24KHz
SPL 120dB Cont. 126dB Peak @ 1m
Sensitivity @ 1m (2.83V) 95dB SPL
Power Handling 600W Prog.
Impedance 8Ohm
Coverage 110°H x 110°V
Size H/W/D 13.6”x21.5”x18”
Weight 41 lbs / 18.5 Kg

Frequency Response 50Hz-24KHz
SPL 120dB Cont. 126dB Peak @ 1m
Sensitivity @ 1m (2.83V) 95dB SPL
Power Handling 600W Prog.
Impedance 8Ohm
Coverage 110°H x 110°V
Size H/W/D 13.5”x20.7”x16”
Weight 41 lbs / 18.5 Kg

The conical coverage pattern of Danley Sound Labs monitors insures smooth and even coverage from any angle. The phase aligned coaxial driver projects a loud and clear sound that can reach breathtaking loudness before feedback. Horn loading insures the sound stays on stage, where the energy is needed.
Nano
The Nano is the smallest member of the product line. It is intended to be used in supplemental fills, distributed 70 Volt systems, or stereo satellites. Its combination of ultra-compact size, high fidelity and intelligibility makes the Nano a perfect option.

GO2 8CX
Danley Sound Labs introduces the Go 2 Series of versatile compact loudspeakers. These full range loudspeakers incorporate our Synergy design philosophy and crossover topology for extremely flat phase response and performance that is pure Danley.

OS12CX
High output, fully weatherized outdoor loudspeaker in an ultra-compact box. The OS12CX combines great fidelity, good pattern control and unrivaled magnitude/phase response into an ultra-compact enclosure that also is impervious to weather. A heavy duty aluminum mounting bracket and angle strap are included.

OS80
OS80 is Danley’s answer for those that are looking for a high performance speaker in an outdoor enclosure impervious to weather. A single cabinet can produce high quality audio beyond 130dB from a compact full range Synergy Horn that weighs only 51lbs. A heavy duty aluminum mounting bracket and angle strap are included.

OS115
OS115 is a high performance subwoofer in an outdoor enclosure that is impervious to weather. A single cabinet can produce high quality audio beyond 130dB from a compact low frequency cabinet that weighs 80lbs. A heavy duty aluminum mounting bracket and angle strap are included.

Frequency Response 130Hz-15.4kHz
SPL 103dB Cont. 109dB Peak @ 1m
Sensitivity @ 1m (2.83V) 90dB SPL
Power Handling 40 W Prog.
Impedance 8 Ohm
Coverage Q
Size H.W.D. 6"x6"x6"
Weight 4 lbs / 10.5 Kg

Frequency Response 30Hz-24KHz
SPL 115dB Cont. 121dB Peak @ 1m
Sensitivity @ 1m (2.83V) 90dB SPL
Power Handling 640 W Prog.
Impedance 8 Ohm
Coverage 100° x 100°
Size H.W.D. 12.75"x22"x9"
Weight 23 lbs / 10.5 Kg

Frequency Response 57Hz-24KHz
SPL 121dB Cont. 127dB Peak @ 1m
Sensitivity @ 1m (2.83V) 95dB SPL
Power Handling 800 W Prog.
Impedance 8 Ohm
Coverage 90° Conical
Size H.W.D. 29.57"x26.15"x10.72"
Weight 40 lbs / 22.6 Kg

Frequency Response 70Hz-19KHz
SPL 127dB Cont. 133dB Peak @ 1m
Sensitivity @ 1m (2.83V) 101dB SPL
Power Handling 800 W Prog.
Impedance 8 Ohm
Coverage 80° Conical
Size H.W.D. 32.25"x26"x14.5"
Weight 51 lbs / 23 Kg

Frequency Response 45Hz-800Hz
SPL 129dB Cont. 135dB Peak @ 1m
Sensitivity @ 1m (2.83V) 99dB SPL
Power Handling 2000 W Prog.
Impedance 8 Ohm
Size H.W.D. 32.25"x26"x14.5"
Weight 80 lbs / 36 Kg

www.danleysoundlabs.com
**SHMicro**
The SHMicro is an ultra low profile Synergy Horn™ in a package less than 8" tall. The SHMicro is popular for under balcony fill and also works very well for home theater center channel or surrounds. Each cabinet houses two 6.5 inch woofers and one 4.5 inch full range loudspeaker.

**SHMini**
The SHMini is a full range compact loudspeaker designed for applications requiring wide coverage. With its ultra compact size, it also can be used as a very compact floor monitor with exceptional clarity. Integrated fly points are standard and flexible mounting can be achieved with the optional U bracket.

**SHMini180**
Cover it all with just one. The SHMini180 doubles the horizontal coverage of the SHMini. It functions very well in environments where speakers need to be heard and not seen. It is designed to cover a large area for background music or intercom announcements. The two eight-inch coaxial speakers are rated to handle 400 Watts continuous at 4 Ohms and is available in 16 Ohm and 70 Volt versions.

**SH95**
A combination of high fidelity with sensitivity in a compact enclosure. Perfect for down fill, front fill or delay applications, the SH95 can be used with subwoofers to create an amazing compact system that features a 95° x 55° coverage pattern. Available in both Touring and Install versions, the SH95 also features a pole cup that fits most tripods. Available in 4 or 16 Ohm models.

**SH95-HO**
The SH95-HO, a high output version of the popular and compact SH-95, is perfect for down fill, front fill or delay applications. Add subs and you have amazing high output, compact system with a 95° x 55° coverage pattern.

**SH75**
A combination of high fidelity with sensitivity in a compact enclosure. Perfect for down fill, front fill or delay applications, the SH75 can be used with subwoofers to create an amazingly compact system that features a 70° x 50° coverage pattern. Available in both Touring and Install versions.

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**Frequency Response 65Hz-16KHz**
SPL 113dB Cont. 119dB Peak
Sensitivity @ 1m (2.83V) 92dB SPL
Power Handling 240W Prog.
Impedance 8 Ohm
Coverage 90°H x 90°V
Size HWD: 8"x18"x12.5"
Weight: 23 lbs / 10.4 Kg

**Frequency Response 88Hz-20KHz**
SPL 111dB Cont. 117dB Peak @ 1m
Sensitivity @ 1m (2.83V) 88dB SPL
Power Handling 400W Prog.
Impedance 8 Ohm
Coverage 100° conical
Size HWD: 10"x10"x10.5"
Weight: 22.5 lbs / 10.2 Kg

**Frequency Response 87Hz-24KHz**
SPL 119dB Cont. 125dB Peak @ 1m
Sensitivity @ 1m (2.83V) 95dB SPL
Power Handling 600W Prog.
Impedance 4 or 16 Ohms
Coverage 180 x 90
Size HWD: 12.5"x18.5"x9.5"
Weight: 45 lbs / 20.5 Kg

**Frequency Response 55Hz-24KHz**
SPL 120dB Cont. 126dB Peak @ 1m
Sensitivity @ 1m (2.83V) 97dB SPL
Power Handling 800W Prog.
Impedance 4 Ohm
Coverage 95°H x 55°V
Size HWD: 14.5"x24"x15"
Weight: 58 lbs / 26.3 Kg

**Frequency Response 175Hz-22KHz**
SPL 129dB Cont. 135dB Peak @ 1m
Sensitivity @ 1m (2.83V) 104dB SPL
Power Handling 1200W Prog.
Impedance 3 Ohm
Coverage 95°H x 55°V
Size HWD: 14.5"x24"x15"
Weight: 59 lbs / 26.7 Kg

**Frequency Response 58Hz-24KHz**
SPL 121dB Cont. 127dB Peak @ 1m
Sensitivity @ 1m (2.83V) 99dB SPL
Power Handling 800W Prog.
Impedance 4 Ohm
Coverage 75°H x 50°V
Size HWD: 14.5"x20"x13"
Weight: 60 lbs / 26.7 Kg

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Synergy Horn

SH69
The SH69 is a very flexible design, a building block for seamless arrays. This is a true full range performer in an overall compact and relatively light weight design. A single box houses two 12" woofers, six 4" midrange and a 1" high frequency driver.

SH46
The SH46, 135 dB SPL, 40 by 60 coverage. Like all our Synergy Horns, the SH46 has it all; great fidelity, pattern control and impressive magnitude/phase response. The SH46 has the added benefit of truly modular array-ability. It has a sensitivity of 106 dB SPL and can handle 1400 watts continuous! The SH46 can be installed or the touring model is outfitted with handles for easy transport.

SHDFA
Give the front row the quality they deserve with the SH-DFA. The SH DFA is an asymmetrical horn designed to seamlessly integrate with the SH50 with mounting brackets. The SH DFA fits the exact footprint of the SH50 and is only 13" high. It has an asymmetrical coverage, with a vertical (front to back) coverage of 50° and a horizontal coverage of 50° at the front and 100° at the back, while still maintaining considerable pattern control thanks to its depth.

SH50
The SH50 provides great fidelity, low frequency pattern control and unrivaled magnitude/phase response in the coverage angle. The SH50 has the added benefit of truly modular array-ability, and delivers high SPL and low distortion sound reproduction.

SH60
The SH60 is a 60° version of our flagship SH50 Synergy Horn™ loudspeaker. The SH60 features seamless arraying and true full range performance down to 50 Hz, as well as a great low frequency pattern control and high output. In one box, the SH60 houses two 12 inch drivers, six 4 inch mid-range drivers and a 1 inch high frequency driver.

Frequency Response 33Hz-24KHz
SPL 126dB Cont./132dB Peak @ 1m
Sensitivity @ 1m (2.83V) 99dB SPL
Power Handling 2000 W Prog.
Impedance 4 Ohm
Coverage 60°H X 90°V
Size HWD: 34”x21”x17”
Weight 116 lbs / 52.6 Kg

Frequency Response 58Hz-16KHz
SPL 135dB Cont./141dB Peak @ 1m
Sensitivity @ 1m (2.83V) 106dB SPL
Power Handling 2800 W Prog.
Impedance 4 Ohm
Coverage 40°H x 60°V
Size HWD: 29”x22.5”x22.7”
Weight 118 lbs / 52.6 Kg

Frequency Response 50Hz-20KHz
SPL 122dB Cont./128dB Peak @ 1m
Sensitivity @ 1m (2.83V) 96dB SPL
Power Handling 800 W Prog.
Impedance 8 Ohm
Coverage 50-100°H x 50°V
Size HWD: 12”x28”x25.5”
Weight 69 lbs / 29.4 Kg

Frequency Response 37Hz-24KHz
SPL 127dB Cont./133dB Peak @ 1m
Sensitivity @ 1m (2.83V) 100dB SPL
Power Handling 2000 W Prog.
Impedance 4 Ohm
Coverage 50°H X 50°V
Size HWD: 26”x28”x25.5”
Weight 133 lbs / 60.4 Kg

Frequency Response 41Hz-24KHz
SPL 127dB Cont./133dB Peak @ 1m
Sensitivity @ 1m (2.83V) 100dB SPL
Power Handling 2000 W Prog.
Impedance 4 Ohm
Coverage 60°H X 60°V
Size HWD: 28”x28”x 22”
Weight 127 lbs / 57.5 Kg

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SH25
The SH25 is a high directivity, full range long throw horn. The SH25 is ideal where you need great fidelity, high output and pattern control in both the horizontal and vertical axes. Combining four in a array will extend the low frequency performance down to 50 Hz. The SH25 features a driver compliment of eight 6.5'' woofers, four 4'' drivers, and one 1.4'' high compression driver.

SH64
The SH64 is a standalone full range box. Great fidelity, low frequency pattern control and impressive magnitude/phase response. The SH64 is a 3-way powerhouse with 9 drivers in a single horn providing high SPL and low distortion sound. Available in both install or touring versions.

SH96
Initially designed at the request of a commercial theatre, the SH96 is a 3-way powerhouse that features four 15'' drivers, six 4'' mid-range drivers and a 1.4'' high frequency driver—that makes 11 drivers coupled to a single horn! The SH96 has a 90° x 60° beamwidth, and a sensitivity of 101 dB SPL. Available in both touring and install versions.

SH96HD
Our SH96HD was initially designed as a request of commercial theater; this 4-way powerhouse has 12 drivers in a single horn! This is a higher output version of the SH96 that is biampable. It is also 8 ohm to 2 ohm switchable on the LF section.

Frequency Response 70Hz-20KHz
SPL 137dB Cont. 143dB Peak @ 1m
Sensitivity @ 1m (2.83V) 110dB SPL
Power Handling 2000 W Prog.
Impedance 4 Ohm
Coverage 25°H x 25°V
Size HWD 28''x28''x 50.7''
Weight 176 lbs / 79.8Kg

Frequency Response 43Hz-20KHz
SPL 135dB Cont. 141dB Peak @ 1m
Sensitivity @ 1m (2.83V) 103dB SPL
Power Handling 2800 W Prog.
Impedance 8 Ohm
Coverage 60°H x 40°V
Size HWD 26.5''x34''x25''
Weight 197 lbs / 89.4Kg

Frequency Response 36Hz-19KHz
SPL 133dB Cont. 139dB Peak @ 1m
Sensitivity @ 1m (2.83V) 101dB SPL
Power Handling 2800 W Prog.
Impedance 8 Ohm
Coverage 90°H x 60°V
Size HWD 26.5''x45''x25''
Weight 215 lbs / 97.6 Kg

Frequency Response 40Hz-24KHz
SPL 133dB Cont. 139dB Peak @ 1m
Sensitivity @ 1m (2.83V) 105dB SPL
Power Handling LF 5600 W Prog.
Power Handling HF 1600 W Prog.
Impedance LF 8 or 2 Ohm HF 4 Ohm
Coverage 90°H x 60°V
Size HWD 26.5''x45''x25''
Weight 220 lbs / 99.8 Kg

Bryant Denny Stadium, Tuscaloosa Alabama
Over 100,000 fans enjoy a distributed Danley System

www.danleysoundlabs.com
SBH20
The Danley SBH series is based on our patented paraline technology. The SBH20 is effectively a 120 degree by 20 degree horn in the shape of a column. The SBH20 maintains pattern control down to around 300 Hz, with minimal lobing and no pattern flip. Unlike the heavily processed steerable arrays, the SBH20 requires no signal processing at all.

SBH20LF
The Danley SBH series is based on our patented paraline technology. The SBH20LF is effectively a 120 degree by 20 degree horn in the shape of a column. The SBH20LF maintains pattern control down to around 300 Hz, with minimal lobing and no pattern flip. Unlike the heavily processed steerable arrays, the SBH20LF requires no signal processing at all.

SBH10
The Danley SBH series is based on our patented paraline technology. The SBH10 is effectively a 120 degree by 10 degree horn in the shape of a column. The SBH10 maintains pattern control down to around 300 Hz, with minimal lobing and no pattern flip. Unlike the heavily processed steerable arrays, the SBH10 requires no signal processing at all.

GH40
The Genesis Horn incorporates 3 patent pending technologies: Synergy Horn, Paraline and Shaded Amplitude Lens. The box houses a total of 18 drivers utilizing 21 horizontal 20° downward vanes that provide even front-to-back coverage. Due to the Shaded Amplitude Lens, the GH-60 has 16 dB of gain on the furthest listener’s axis and all 45° of the vertical coverage is useable.

GH60
The Genesis Horn incorporates 3 patent pending technologies: Synergy Horn, Paraline and Shaded Amplitude Lens. The box houses a total of 18 drivers utilizing 21 horizontal 20° downward vanes that provide even front-to-back coverage. Due to the Shaded Amplitude Lens, the GH-60 has 16 dB of gain on the furthest listener’s axis and all 45° of the vertical coverage is useable.
**J1-94**
The J1-94, or Jericho Horn, is simply the most accurate high-power loudspeaker ever created. A single cabinet produces quality audio well beyond 1000 feet from a true full range point source. The J1-94 houses six 18" drivers, six 6" mid-range drivers and three 1.4" inch coaxial high frequency drivers.

**Frequency Response**
- 37Hz-24KHz
- SPL 148dB Cont. 151dB Peak @ 1m
- Power Handling: L@1.6K, M-2.4K H-1.6K
- Impedance L-6x4, M-2x2, H-1x4
- Coverage 90°H x 40°V
- Size HxWxD 60"x45"x30"
- Weight 720 lbs / 327 Kg

**J2-96**
The J2 is another member of the Jericho Horn product line. It's the largest full range horn on the market utilizing six 18" drivers, twenty-four - 6" mid range drivers and twelve 1" high frequency drivers.

**Frequency Response**
- 27Hz-15KHz
- SPL 138dB Cont. 145dB Peak @ 1m
- Power Handling L@4K, M-2.4K, H-1.9K
- Impedance L-3, M-4, H-4
- Coverage 90°H x 60°V
- Size HxWxD 60"x45"x28"
- Weight 600 lbs / 272 Kg

**J3-64**
The J3 is another member of the Jericho Horn product line and is fully "array-able." The J3 utilizes six 15" drivers, eight - 6" mid range drivers and four 1.4" high frequency drivers. The J3 doesn't exhibit the common phenomenon known as pattern lift due its physical size and horn dimensions.

**Frequency Response**
- 27Hz-15KHz
- SPL 138dB Cont. 145dB Peak @ 1m
- Power Handling L@4K, M-2.4K, H-1.9K
- Impedance L-3, M-4, H-4
- Coverage 90°H x 60°V
- Size HxWxD 60"x45"x28"
- Weight 600 lbs / 272 Kg

**J3-94**
The J3-94 is a single source, high output loudspeaker capable of covering very large audiences with ultra clear and consistent audio. The coverage pattern is 90°H and 40°V. It comes standard with 3/8" fly points on top and bottom and L track on the sides of the cabinet. Only a single cabinet per side is needed for most concerts/festivals or large clubs.

**Frequency Response**
- 70Hz-18KHz
- SPL 142dB Cont. 148dB Peak @ 1m
- Power Handling L@4K, M-2.4K, H-800
- Impedance L-2x3, M-4, H-4
- Coverage 90°H x 40°V
- Size HxWxD 48"x36"x30"
- Weight 440 lbs / 200Kg

**J4-31**
Super high frequency Horn! The J4-31 is the evolution of our Jericho technology. Boasting a whopping 64 drivers, the J4-31 will get the highs to your audience over the longest distances and in the most demanding environments!

**Frequency Response**
- 600Hz-12KHz
- SPL 148dB Cont. 153dB Peak @ 1m
- Power Handling 4x 1600 W Prog
- Impedance 4x 16 Ohms
- Coverage 30°H x 10°V
- Size HxWxD 60.5"x22.5"x41"
- Weight 487 lbs / 220

**J5-4015**
The J5-4015 is the most accurate powerful High Q loudspeaker ever created. A single cabinet can produce quality audio well beyond 1,000 feet from a true full range point source housing twelve x 18" drivers, thirty-two x 8" mid-range drivers and 64 x 1" high frequency compression drivers.

**Frequency Response**
- 37Hz-24KHz
- SPL 150dB Cont. 160dB Peak @ 1m
- Power Handling 40KW Prog
- Coverage 40°H x 15°V
- Size HxWxD 120"x45"x60"
- Weight 2366 lbs / 1073 Kg

**J6-42**
The J6-42 combines high fidelity and loudness in the form of a long throw full range loudspeaker. An improved version of the para-line combiner allows for the summation of eight high frequency drivers while maintaining seamless phase alignment of all 24 speakers. The cabinet is equipped with rigorously tested speakers to insure longevity during continuous output.

**Frequency Response**
- 40Hz-10KHz
- SPL 148dB Cont. 154dB Peak @ 1m
- Power Handling L@11.2K, M-3.2K, H-1.6K
- Impedance L-2x4, M-4, H-4
- Coverage 20°x 40°V
- Size HxWxD 45"x23"x36"
- Weight 500lbs / 227Kg

www.danlaysoundlabs.com
Subwoofers

At Danley Sound Labs we have a passion for subwoofers. Tom Danley has a long history of building subs which challenge the accepted norms. The key to the superior performance of our subs is the tapped horn design. The tapped horn delivers efficiency ratings comparable to a straight bass horn at a fraction of the size. This patent pending invention lets Danley build subwoofers which handle lots of power and produce high sound pressure levels at very low frequencies in relatively small enclosures.
Tapped Horns

**TH28**
The TH28 is an extremely compact subwoofer that can easily be hidden under a step or stage. By using properly designed rigging, the TH28 can be flown with an SM100 for an ultra compact array. It will produce 124 dB @ 45Hz yet is only 10.5 inches high! The TH28 features an interchangeal port/grill that allows for vertical or horizontal installations.

**THMINI**
The TH-mini was designed with the small band/weekend warrior in mind; who in most cases must setup and tear down on their own with nothing more than a hand truck. Simply but boldly stated, there is no other product on the market today which matches the Mini's level of performance and fidelity in a sub-compact size. Multiples may be used for bass arrays.

**THMINI/15**
The Danley Sound Labs TH series provides a number of high output, and exceptionally compact subwoofers. Perhaps one of the most surprising in the line is the TH-Mini/15. It has a sensitivity of 105 dB and peaks at 139 dB with strong impact and consistent volume across the frequency spectrum.

**TH112**
The TH112 is a very compact design which combines high efficiency with solid output down to 27 Hz. The TH112 can be used individually in installed loudspeaker systems or used in multiples for tour sound or cinema applications.

**TH212**
The TH212. For any application requiring massive punch from a lightweight or portable box. The interlocking skids on the TH212 allow it to be stacked into directional arrays. Removable covers allow two choices for the location of the acoustical output based on the installation orientation you choose.

**THSPUD**
Designed with all of you home theatre enthusiasts in mind. The THSPUD subwoofer can easily be installed under or behind the seats in your home theater thanks to its 11 inch depth. The THSPUD is capable of producing incredibly deep bass that you can feel with a flat response all the way down to 17 Hz while handling 800 watts.

**Specifications**

**TH28**
- Frequency Response: 38Hz - 180Hz
- SPL: 126dB Cont. 132dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 100dB SPL
- Power Handling: 800W Prog
- Impedance: 8 Ohms
- Size (HxWxD): 20"x30"x10.5"
- Weight: 61 lbs / 27.7 Kg

**THMINI**
- Frequency Response: 41Hz - 200Hz
- SPL: 129dB Cont. 135dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 101dB SPL
- Power Handling: 1400W Prog
- Impedance: 8 Ohms
- Size (HxWxD): 24"x15"x24"
- Weight: 76lbs / 34.5 Kg

**THMINI/15**
- Frequency Response: 42Hz - 340Hz
- SPL: 132dB Cont. 135dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 101dB SPL
- Power Handling: 2000W Prog
- Impedance: 4 Ohms
- Size (HxWxD): 30"x18"x24"
- Weight: 100lbs / 45.4 Kg

**TH112**
- Frequency Response: 27Hz - 260Hz
- SPL: 126dB Cont. 132dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 100dB SPL
- Power Handling: 800W Prog
- Impedance: 8 Ohms
- Size (HxWxD): 36"x18"x30.2"
- Weight: 142lbs / 64.4 Kg

**TH212**
- Frequency Response: 31Hz - 200Hz
- SPL: 133dB Cont. 139dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 104dB SPL
- Power Handling: 2600W Prog
- Impedance: 4 Ohms
- Size (HxWxD): 36"x15"x36"
- Weight: 142lbs / 64.4 Kg

**THSPUD**
- Frequency Response: 17Hz - 175Hz
- SPL: 120dB Cont. 126dB Peak @ 1m
- Sensitivity @ 1m (2.83V): 94dB SPL
- Power Handling: 800W Prog
- Impedance: 8 Ohms
- Size (HxWxD): 11"x48"x45"
- Weight: 156lbs / 70.8 Kg

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Tapped Horns

**TH115**

The TH115 is the ideal subwoofer for concert and touring professionals who need a massive punch without the weight. The TH115 is lightweight, made for portability and the interlocking skids allow the boxes to be stacked into multiples which produce stunning output and low frequency directivity. The TH115 can also be installed permanently and has variety of fly points available on the install and touring version.

**TH118**

Building on the success of the TH115, the TH118 has a bit more low frequency extension and is slightly more efficient. If you need a bit more than the TH115 but don’t have room for a larger enclosure, the TH118 is a perfect solution. The TH118 uses the same enclosure as the TH115. It can also be installed permanently and has variety of fly points available on the install and touring version.

**TH118XL**

The TH118XL, a variation of the infamous TH118, is a subwoofer that is useful for both indoor and outdoor applications. The tapped horn design takes full advantage of the driver element by doubling up on its output ability. The result is more volume from less input. Combine that attribute with the high-power handling of the driver and you have one of the most powerful subwoofers in the market. The new 118XL lines up with the SH96s and DBH218 for a very stable stack.

**TH412**

When you want serious bass, you want the TH412. The TH412 “Road Monster” is the only choice for the touring, event, or staging customer who needs high efficiency and sub 30Hz performance. There isn’t another subwoofer on the market that offers this combination of compact size, extreme sensitivity, high power handling and low frequency extension.

**TH221**

The TH221 - When you must have high efficiency and 20Hz performance. The TH221’s exceptionally low bass response is also perfect for the demands of today’s HD commercial theatre or a one-of-a-kind high-end home theatre. As one of the most powerful and largest subwoofers on the market, the TH221 is bold, but accurately stated. There is no equivalent!

**TH812**

For the staging or touring customer, this means dramatically fewer cabinets and amplifiers to get the desired performance — saving you time and money. Also known as the “Rock Monster”, the TH812 delivers extremely high sensitivity, low frequency extension, and power handling never before found in a single subwoofer cabinet.

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**Frequency Response 33Hz - 280Hz**

- Frequency Response: 33Hz - 280Hz
- SPL 133dB Cont. 139dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 106dB SPL
- Power Handling: 2000 W Prog
- Impedance: 4 Ohms
- Size: H x W x D: 40” x 22.5” x 28.5”
- Weight: 152 lbs / 68.9 Kg

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**Frequency Response 29Hz-300Hz**

- Frequency Response: 29Hz - 300Hz
- SPL 134dB Cont. 140dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 105dB SPL
- Power Handling: 3400 W Prog
- Impedance: 4 Ohms
- Size: H x W x D: 40” x 22.5” x 28.5”
- Weight: 160 lbs / 72.6 Kg

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**Frequency Response 26Hz-270Hz**

- Frequency Response: 26Hz - 270Hz
- SPL 134dB Cont. 140dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 105dB SPL
- Power Handling: 3400 W Prog
- Impedance: 4 Ohms
- Size: H x W x D: 45” x 22.5” x 28.5”
- Weight: 185 lbs / 84 Kg

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**Frequency Response 27Hz – 200Hz**

- Frequency Response: 27Hz - 200Hz
- SPL 140dB Cont. 146dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 110dB SPL
- Power Handling: 8000 W Prog
- Impedance: 1x 2 Ohms & 2x 4 Ohms
- Size: H x W x D: 26.5” x 45” x 45”
- Weight: 357 lbs / 162 Kg

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**Frequency Response 18.5Hz – 200Hz**

- Frequency Response: 18.5Hz - 200Hz
- SPL 138dB Cont. 144dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 109dB SPL
- Power Handling: 6000 W Prog
- Impedance: 1x 2 Ohms & 2x 4 Ohms
- Size: H x W x D: 28” x 60” x 60”
- Weight: 480 lbs / 218 Kg

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**Frequency Response 23Hz – 200Hz**

- Frequency Response: 23Hz - 200Hz
- SPL 146dB Cont. 152dB Peak @ 1m
- Sensitivity @ 1m (2.83V) 110dB SPL
- Power Handling: 16,000 W Prog
- Impedance: 1x 4 Ohms & 2x 8 Ohms
- Size: H x W x D: 60” x 60” x 28”
- Weight: 584 lbs / 265 Kg

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**DBH218**
The DBH subwoofer is a Danley take on a conventional design. The DBH subs feature a front loaded, folded horn design. The DBH subs behave conventionally in that adding boxes together not only increases the output, but extends the pattern control. Subjectively, the DBH subs are “punchy”, and are right at home with high powered rock and roll!

**CS30**
The CS30 combines high sensitivity with very low frequency cutoff in a sub-compact package. The CS30 is available in both touring and install models for easy installation or portability.

**DTS20**
The DTS20, a.k.a. “Tower of Power”, has output down to 16 Hz, single digit distortion and incomparably low group delay put this amazing subwoofer in a class by itself. The DTS20 is the perfect choice for ultra high-end home theatres, industrial/military/research facilities, commercial cinemas, mastering facilities, electronic organ reproduction, and commercial surround sound recording/playback.

**DTS10**
The DTS10 is one of our “monster” category of Danley subwoofers. It is the reference standard high definition cinema subwoofer with an unheard of output down to 10 Hz—at least twice the power of the renown DTS20. It makes an outstanding home theatre solution and is guaranteed to make any home theatre enthusiast drool.

**BC415**
The BC415 is another unique subwoofer alignment from Danley Sound Labs. Using four 15” woofers combining into a single exit provides the most punch and extension out of a single cabinet that Danley currently offers. Due to the physical size of the BC design’s center exit the boundary exhibits forward directivity.

**BC218**
The BC 218 is the newest member of the BC family of subwoofers from Danley Sound Labs. The BC218 utilizes 2 powerful 18” drivers in a pair of horns which share a single exit. The BC or Boundary Coupled subwoofer is a new class of subwoofer delivering not only high efficiency and power handling but actual directivity. The BC family of subwoofers will stand up to the most demanding of applications.

**Frequency Response**
- **28Hz-400Hz**
  - SPL 14 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 117 dB SPL
  - Power Handling 720 W Prog.
  - Impedance 2 Ohm or 2x 4 Ohm
  - Size HWD 22.5”x45”x45”
  - Weight 277 lbs / 36.7

- **27Hz-150Hz**
  - SPL 14 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 95 dB SPL
  - Power Handling 800 W Prog.
  - Impedance 8 Ohms
  - Size HWD 24”x15”x24”
  - Weight 83 lbs / 36.7

- **16Hz-150Hz**
  - SPL 12 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 95 dB SPL
  - Power Handling 1000 W Prog.
  - Impedance 8 Ohms
  - Size HWD 87.5”x18”x20”
  - Weight 220 lbs / 99.7 Kg

- **12Hz-70Hz**
  - SPL 12 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 100 dB SPL
  - Power Handling 2000 W Prog.
  - Impedance 4 Ohms
  - Size HWD 16”x59.5”x44”
  - Weight 285 lbs / 129.3 Kg

- **28Hz-200Hz**
  - SPL 15 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 114 dB SPL
  - Power Handling 13,600 W Prog.
  - Impedance 1x 2 Ohms & 2x 4 Ohms
  - Size HWD 60”x60”x26”
  - Weight 500 lbs / 227 Kg

- **22Hz-185Hz**
  - SPL 14 dB Cont. @ 1m
  - Sensitivity @ 1m (2.83V) 110 dB SPL
  - Power Handling 6800 W Prog.
  - Impedance 2x8 Ohms
  - Size HWD 60”x60”x30”
  - Weight 511 lbs / 232 Kg

www.danleysoundlabs.com
Due to the flexibility of its processing, Danley’s new digital Advanced System Controller is equally suited for duty as a high performance loudspeaker crossover or for overall system control and management. The DNA takes audio performance to the next level with new audio converters and advanced DSP algorithms that make full use of the processing power offered by the latest 4th generation SHARC DSPs. Unique to the industry on the DNA are the revolutionary new LIR Linear Phase crossover filters, and for the ultimate in driver protection with maximum SPL, the new VX Limiters. These are not marketing gimmicks; they are carefully implemented, powerful tools that allow OEMs to extract the maximum performance from their systems, safely.

The DNA 5K4c amplifier from Danley Sound Labs represents an industry first. Never before has it been possible to economically purchase a shallow 2U rack mounting 4 channel power amplifier with this level of flexibility and power density. 5K4c integrates light-weight power supplies, high power sonically transparent class D amplifiers, full system monitoring (including ‘end of line’) and a fully featured USB or network controlled 24 bit 96kHz DSP processing platform as standard.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Power (RMS) (W)</th>
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<tr>
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<tr>
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<tr>
<td>(4 x 4 Ohms)</td>
<td>800</td>
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<tr>
<td>Weight</td>
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</table>

The culmination of five years intensive effort, the Danley Sound Labs DNA Pro series amplifiers represent the leading edge of amplifier design. In a straightforward robust package, they surpass similar products in power delivery, sonic performance and efficiency. Spanning 10,000 to 20,000 Watts RMS output power, all models share a high end specification with generous power reserves. The integrated state of the art DSP being the perfect complement to the world’s finest loudspeaker systems. This truly revolutionary amplifier platform provides a logical front panel user interface and powerful Ethernet based remote control. Both provide access to all features allowing rapid system configuration with full performance monitoring and analytics.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Power (RMS) (W)</th>
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<td>(4 x 8 Ohms)</td>
<td>1500</td>
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<td>70V / 100V line</td>
<td>3500W Hi-Z</td>
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<tr>
<td>Weight</td>
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Danley’s Series of eight output channel amplifiers are optimised for live sound applications. Offering a unique combination of massive power and peerless audio performance integrated with unique DSP, the DNA Series represents an unmatched advancement in amplifier technology.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Power (RMS) (W)</th>
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<td>70V / 100V line</td>
<td>400 W Hi-Z</td>
</tr>
<tr>
<td>Weight</td>
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</table>
PERFECT YOUR DANLEY SYSTEM DESIGN WITH:

HIGH RESOLUTION MIC PREDICTIONS, ACURATE IMAGE OF PHASE INTERACTION, REAL TIME RENDERING SOUND FIELD & IMPROVED PROCESSING SPEED.

Danley Digital, the software division of Danley Sound Labs, offers two free programs; Direct and Polar Explorer. Direct, available for both MAC™ and Windows™ platforms, is our direct field mapping program. You can build model of your facility using Sketchup™ as a drawing tool, and then with our Danley Export plugin, you can export your Sketchup™ drawing right into Direct. In Direct you can then place Danley loudspeakers and subwoofers in the model and determine the best placement for optimum coverage and performance.

Unlike other mapping programs, Direct has a super fast graphics engine that renders most projects in realtime! The 3D model can be moved around and viewed from virtually any angle, again with the coverage mapping all being displayed in real time. Direct also lets you place microphones in the virtual space to let you see the frequency response curves of your Danley system at any seat in the house. Danley Digital provides full support of the software including updates and refinements as they are available, as well as free training and project support. Training for Danley Direct is approved for Infocomm CTS Renewal Units.

The other software produced by Danley Digital, is called Polar Explorer. Polar Explorer is a Windows™ program which allows the user to view CLF™ (common loudspeaker format) files and compare them. It displays polar information in a number of ways. In addition to the usual polar plots, there is a 3d balloon display, coverage maps on a 2d surface, and contour plots for both horizontal and vertical. Unlike Direct which is limited to Danley products, Polar Explorer lets you explore any loudspeaker from any manufacturer who publishes their data in the CLF.
# Operating Distance or "Throw" at Continuous Output

Given distance is the point where inverse square law reduces the output to 90 dB SPL.

<table>
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<th>Model</th>
<th>Feet</th>
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<tr>
<td></td>
<td>BC218L</td>
<td>795m</td>
<td>2622'</td>
</tr>
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</table>

Results are formulated using continuous power ratings.
At Danley Sound Labs, all of our high quality loudspeakers, subwoofers and accessories are designed and engineered in the United States. We believe keeping our manufacturing processes at home is vital—and not just due to the economic implications of employing and partnering with more than 150 people. We feel the innovation and creativity behind our high quality loudspeakers, subwoofers and other products is dependant on the resolve and character of our U.S. employees. From our North Carolina built cabinets to our Georgia-born metal work, you can confidently buy our high quality loudspeakers and subwoofers knowing they are built here at home.