# STEALTH ACOUSTICS

Invisible Speakers | Outdoor Speakers Luxury Outdoor Displays | Art Speakers | Amplifiers

FULL LINE BROCHURE 2019







#### HAND MADE WITH CARE IN THE USA

As a division of Dimensional Communications, Inc., a premier systems integration company based in Washington State (USA), Stealth Acoustics has had systems integration at its core since the very beginning. Stealth has leveraged 45 years of direct experiences from countless systems integration projects to become a world-class audio/video manufacturer because it understands the needs of systems integrators.

Stealth's full line of quality outdoor audio and video products are hand made in the USA with a focus on reliability, high performance, and minimal aesthetic impact. Nowhere is this focus more evident than in the completely unique, patented LineaResponse™ Invisible Speakers and Subwoofers.





For demanding audiophiles that seek impeccable audio performance yet desire the aesthetic benefits that only true invisibility can offer, Stealth's growing LineaResponse  $X^{\text{\tiny M}}$  (LRX) family of expert-grade invisible speakers offer the solution.

The LRX series invisible speakers incorporate enhanced driver sets and mechanically tuned diaphragms along with a new lamination processes known as FidelityGlass Advanced™ to make them the highest performing and best sounding invisible speakers on the market today.

#### HIGH PERFORMANCE LISTENING & CINEMA



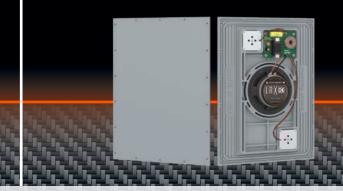
LRX

▶ The Flagship "Big-Room" Speaker!

(includes 2 panels)

#### HIGH PERFORMANCE DISTRIBUTED AUDIO

▶ The Best All-Purpose Speaker!



#### 3-WAY FULL-RANGE SEVEN-ELEMENT SYSTEM

The LRX-85 is Stealth's flagship loudspeaker. With its component-style design (separate low and high frequency panels) an even greater level of articulation and output can be attained. There has never been an invisible speaker experience like this before.

Offering smooth frequency extension from 20kHz down to a bone-shaking 35Hz, This "Big-Room" speaker system tops them all!

For even more performance, an active, bi-amplified version is available.

#### WORRY FREE OPERATION

All of Stealth's LRg and LRX Series speakers utilizes independent, self resetting protection circuits. In the case of excessive amplifier output the circuit will engage to protect the speaker from damage. Once the amplifier output has been corrected, the circuits will self-reset and allow the speakers to function normally.

#### 3-WAY HIGH PERFORMANCE INVISIBLE LOUDSPEAKER

Because the LRX-83 is designed to be the ultimate invisible whole-house audio speaker, it has become one of the most important products in the Stealth portfolio.

Used as a LCR or Cinema Surround system, the LRX-83 will put you right into the action. Used as a premium distributed audio solution, you can easily fill your whole house with studio quality sound without a single visible speaker grill.



# LINEARESPONSE

INVISIBLE SPEAKERS

Stealth Acoustics LineaResponse  $G^{\text{T}}$  (LRg) Series invisible speakers are cost-effective and proven to rival the sound quality of comparably priced visible speakers.

The award winning LRg series is a no-compromise invisible audio solution boasting an extremely broad coverage and ultra-smooth extended frequency response. With excellent reliability and four full-range speakers to choose from, the LRg family of products provides a solution for nearly any requirement.

#### PREMIUM LISTENING & CINEMA

▶ The Original Invisible LCR!



#### DISTRIBUTED AUDIO

► The Economical Whole-House Audio Choice! ▶ The Stereo Single Point Source Speaker! LR Gg

► The Compact Background Music Speaker!









#### 3-WAY FULL RANGE

Voiced specifically for mid-range/high frequency articulation, the LR3g is an excellent choice for cinema applications - especially for use as LCR speakers.

#### 2-WAY FULL RANGE

The LR8g is the most popular invisible distributed audio speaker in the line. Featuring a robust bass output, the LR8g performs perfectly at any volume level.

#### 2-WAY STEREO FULL RANGE

The SLR8g is a fantastic choice for installations where space is at a premium. Utilizing a dual voice coil design offers stereo performance from a single speaker location.

#### 2-WAY COMPACT FULL RANGE

The LR6g is a compact, background music application invisible speaker. It's small footprint makes for easy installation and fitment into almost any job. Combine this speaker with the B22g subwoofer for an excellent 2.1 system.

#### WORRY FREE OPERATION

All of Stealth's LRg and LRX Series speakers utilizes independent, self resetting protection circuits. In the case of excessive amplifier output the circuit will engage to protect the speaker from damage. Once the amplifier output has been corrected, the circuits will self-reset and allow the speakers to function normally.



# LINEARESPONSE

INVISIBLE SPEAKERS

Stealth's LineaResponse  $B^{\infty}$  (Bg) Series Subwoofer Systems deliver bold bass output for extra impact with zero aesthetic pollution. Audiophiles no longer need to be bound by the limitations of traditional box-type external subwoofers.

**Providing excellent room coverage and exceptional bass frequencies extending as low as 20Hz (!)** these invisible subwoofer solutions will solve many installation and aesthetic problems while giving listeners that deep bass they desire.

#### PREMIUM SUBWOOFER

**3**0<sub>6</sub>

▶ The Premier Invisible Subwoofer System! (includes 2 panels)



#### DISTRIBUTED AUDIO SUBWOOFER

**3**22<sub>G</sub>

▶ The Compact Subwoofer for use with LR6g! (includes 2 panels)



#### INVISIBLE SUBWOOFER SYSTEM

The B30g two-panel monaural subwoofer system is designed to complement the LRg series speakers in high performance theater/cinema applications and whole-house audio systems that require extra bass output.

#### INVISIBLE COMPACT SUBWOOFER SYSTEM

Perfect for paring with the LR6g invisible speaker, the B22g two-panel monaural subwoofer system will supplement low frequency output in distributed audio applications where a small footprint is required but a large audio presence is desired.

#### INVISIBLE SPEAKER INSTALLATION ACCESSORIES









#### PI ACESAVER™

PlaceSavers<sup>™</sup> are designed to prevent invisible speakers from exposure to construction conditions. Once mounted to wall/ceiling framing the sheetrock is installed right up to the PlaceSaver™ which maintains the proper opening once it is later replaced with the speaker.

#### FI NATING RRACKET

The Floating Bracket is designed to assist with installation of the LR6g invisible speaker in ceiling or other applications where framing is greater than greater than 16" (406 mm) on-center.

#### BACK BOXES

Stealth Invisible speakers are designed to install directly and seamlessly into drywall walls and ceilings. Depending upon the materials used in the surrounding construction, desired audio performance goals, and local building codes a Back Box may be required. Stealth manufactures four different styles of Back Box to suit any construction type or code requirements.

#### DIIVILLA CUNTKUI

Every Stealth Acoustics invisible speaker is individually tested twice before shipment. First, the speaker is analyzed electronically and then each speaker is listened to by human ear to assure top quality sound.

#### RELIABLE AND PROTECTED

Each Stealth Acoustics invisible speaker is hand-crafted to exacting quality standards. This ensures reliable longterm performance, using over-provisioned components and self-resetting protection circuits on each speaker.

#### WARRANTY

All Stealth Acoustics invisible speakers are covered by a 5-year product warranty and all electronics feature a 2-year warranty.

#### INVISIBLE SPEAKER INSTALLATION

Attach Tape Mud Sand Paint











#### INSTALLATION

The face of an Invisible Speaker is smooth and durable and is designed to finish seamlessly with the wallboard surrounding it.

The installation process is as simple as fitting a drywall patch. The speaker attaches directly to structural wall or ceiling framing then tape and mud are applied. Once the seams are sanded and painted the speaker becomes completely invisible!

#### FINISHING OPTIONS

Stealth's Invisible Speaker line may be finished with a number of common methods. A flat finish or orange peel texture with latex paint is common, but other finish options may include lightweight plaster, wallpaper, veneer, or fabric. (See installation instructions for more details.)







Veneer

Plaster

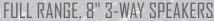
Wallpaper



HIGH PERFORMANCE AUDIO

StingRay 83





Based on the advanced technology behind Stealth's new generation LRX-83 invisible indoor speaker, the StingRay83 raises the bar on outdoor audio.



Never paint a rusty speaker grill again!

Creating a speaker that can take on nature's toughest elements is no easy task but with the StingRay line of Environmentally Durable Speakers, Stealth Acoustics has done just that!

The StingRay family utilizes the same technology behind the award winning, full-range LineaResponse indoor invisible speakers, built into a fully sealed outdoor enclosure. With no exposed grills these speakers achieve an unprecedented Environmental Protection Rating of IP-68 and are at home in rain, sun, snow, and dust and from 0° – 150° F.

#### OUTDOOR DISTRIBUTED AUDIO



#### OUTDOOR SUBWOOFER



#### FULL RANGE, 8" 2-WAY SPEAKER

The StingRay8 is a full-range outdoor speaker featuring deep bass and sparkling highs combined with ultra-wide dispersion characteristics. Excellent for an outdoor theater or where music is forefront.

# FINISH OPTIONS

your outdoor space.

StingRay products are offered in either white or black finish as well as custom paint or image wrap finishes.

The compact StingRay6 is perfectly

suited for outdoor distributed audio and

background music applications. It's small

size allows it to be easily integrated into

FULL RANGE, 6" 2-WAY SPEAKER

**Blend in or stand out!** From camouflaging imagery, to commercial branding, a custom vinyl wrap can help make your installation unique. StingRay speakers can also be custom painted at the factory.

#### OUTDOOR SUBWOOFER

Stealth's high-powered, environmentally protected outdoor subwoofer system is the StingRay430. Designed to utilizes eight acoustically coupled, high-power, 8" cone woofers and a passive radiator the SR430 creates full, space-filling, outdoor bass.

#### MOUNTING ACCESSORIES

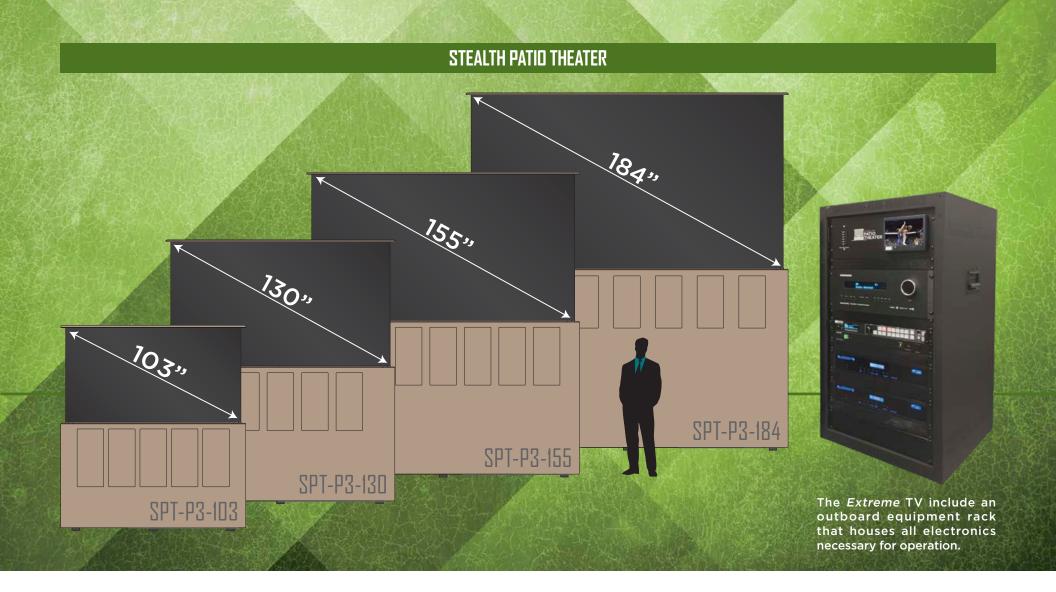
The StingRay83/8/6 each ship with a simple deadhang bracket that allows for on-wall mounting. Optional accessories include a heavy-duty U-bracket (for overhead or secure installation), ground stake (for landscape installation), or a swivel mount.







Stealth Patio Theater (SPT) offers three versions of complete outdoor cinematic entertainment solutions ranging from 103" to 273" and beyond. The *Extreme, Transformer*, and *Megalith* all feature large format, ultra-bright, LED screens designed to be viewable in broad daylight.





The *Extreme* retracting TV is a complete outdoor theater system in a single weatherized enclosure. Designed to withstand the elements, the *Extreme* creates a uniquely capable and fun outdoor AV experience.

World-class motorized lifts quietly raise the daylight viewable HD-LED screen from its enclosure while Stealth Acoustics' built-in, award-winning outdoor speakers fill any outdoor space with theater quality sound.

The *Extreme* can be installed freestanding, partially recessed, or below-grade and custom painted to match existing decor. A mobility package is also available.



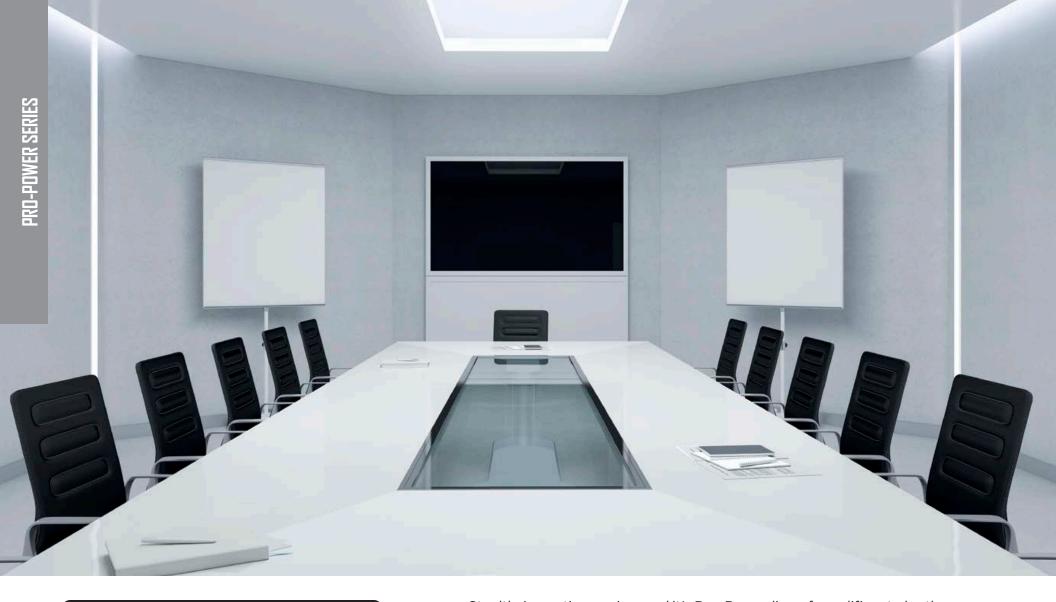


The *Transformer* is a revolutionary hidden outdoor theater system designed to fold away into its weatherized, fiberglass enclosure and fit discretely on a yacht or home deck. The *Transformer* is designed to be seen *and* heard with a daylight viewable LED screen and Stealth Acoustics' award-winning outdoor speakers. With all electronics housed within, the *Transformer* can be a fixed or mobile solution.





The *Megalith* is a completely customizable fixed outdoor display solution. Besides replacing traditional projector systems and their host of performance and reliability issues, the *Megalith* has the flexibility to be more than a theater display since it's weatherproof screen can be configured in many shapes and sizes. As an art installation or a massive outdoor cinema screen, the *Megalith* will outshine your expectations.





Stealth Acoustics engineered it's Pro-Power line of amplifiers to be the reliable workhorses in your A/V rack. Offered monaural (SA255) and 2-channel (SA2400 with DSP) configurations, these class A-B, high-current, amplifiers hit power points specifically designed for Stealth's invisible and outdoor range of loudspeakers.





## 2-CHANNEL, HIGH-CURRENT AMPLIFIER WITH DSP

The Stealth Acoustics SA2400 is designed to be a low-distortion, high-output power source for all Stealth Acoustics speakers and subwoofers.

Exclusive to the SA2400 is Stealth's latest DSP platform which offers complete signal processing for each channel with 11 fully parametric equalizers, programmable high and low pass filters (with selectable filter slopes) and fully programmable limiting and delay functions.

The SA2400 is conveniently programmable from the front panel display or via a Windows<sup>™</sup> based computer and Stealth Acoustics' proprietary USB signal management software.

# HIGH-CURRENT MONAURAL SUBWOOFER AMPLIFIER WITH FILTER

The Stealth Acoustics SA255 is an integrated monaural amplifier with a variable low-pass filter system designed as a low-distortion, high-output power source for Stealth Acoustics LineaResponse™ speakers and subwoofer panels or other unpowered speakers and subwoofers.

Intended for applications requiring reliable and powerful amplification, the adjustable low pass filter allows for infinite crossover points from 50Hz to 150Hz and can be bypassed for full-range amplification. With a full compliment of input and output connectors, the SA255 is easily integrated into any audio system.



# Cover Art Trilogy SCREEN COVER & ART SPEAKERS

Hide your room's audio and video components and beautify your space with a Cover Art Trillogy panoramic art installation. The Stealth CoverArt Trilogy package combines the display masking CoverArt system with the award winning Image Art Speakers for an affordable and easy-to-install aestetic solution.

# ART SPEAKER & SUBVOOFER



## CUSTOMIZABLE 2-WAY FULL-RANGE ON-WALL SPEAKERS & SUBWOOFERS

Stealth Acoustics understands there are sometimes scenarios where the Invisible Series speakers aren't practical, yet high quality sound and minimum aestetic impact are desired. The Image Art Speaker & Subwoofer were designed for just that scenario.

Based on the foundation of Stealth's Invisible Series speakers, The Image Art speakers produce clear, crips sound without grills or exposed openings. The slim, sleek speakers are wall mounted and can be painted/finished to match an interior space or wrapped with a custom canvas print turning them into a work of audio and visual art.

#### RETRACTABLE TV SCREEN ART

Furthering the mission of reduced aestetic polution is the Stealth CoverArt system. Designed to integrate a video screen display into the décor of a home or office, CoverArt automatically turns it into a pleasing piece of framed artwork.

When inactive, CoverArt appears to be a framed work of art. When activated, the custom printed canvas retracts to reveal the display hidden underneath.

CoverArt systems may be mounted over on-wall TV displays or fitted into recesses. Additional uses for CoverArt have included concealing gun safes, liquor cabinets or other storage areas. Each system is custom designed and built to the specifications provided.

Speaker Application Guide													
	LRX-85-ACT	LRX-85	LRX-83	LR3g	LR8g	SLR8g	LR6g	B30	B22	SRX-83	SR8	SR6	SR430
Cinema LCR													
Cinema Surround													
2-Channel													
Premium Distributed Audio													
Distributed Audio													
Background Distributed Audio													
Sound Reinforcement													
Sound Masking													
Subwoofer - Distributed Audio													
Subwoofer - High Performance & Cinema													
Outdoor Rated													

Expert Grade Invisible Speakers						
	LRX-85 Full Range 7-Ele Expert Grade Sp		LRX-83 3-way Full Range Expert Grade Speaker			
Frequency Response	35Hz to 20kHz		40Hz to 20kHz			
Power Capacity	300 watts RMS		160 watts RMS			
Min. Recommended Power	120 watts		80 watts			
Protection	3 independent self-resetting devices (low, midrange and high frequency)		2 independent self-resetting devices (low and high/mid frequency)			
Sensitivity (1 meter @ 1 watt)	84 dB		83 dB			
High Frequency Driver	(1) 1" (25 mm) neodymium driver		(1) 1" (25 mm) neodymium driver			
Midrange Frequency Driver	(4) 1½" (30 mm) neodymium driver		(1) 11/8" (30 mm) neodymium driver			
Low Frequency Driver	(2) 1½" (38 mm) voice coil 8" (203 mm) woofer		(1) 1½" (38 mm) voice coil 8" (203 mm) woofer			
Magnet	(2) ceramic 20 oz. (622 gr)		(1) ceramic 20 oz.			
System Impedance	$8\Omega$ nominal		$8\Omega$ nominal			
Polar Dispersion	170 degrees horizontal & vertical		170 degrees horizontal & vertical			
Width	15 <b>%</b> " (403 mm)	15 <b>½</b> " (403 mm)	15 <b>½</b> " (403 mm)			
Height	30" (762 mm)	12" (305 mm)	22" (559 mm)			
Depth	2½" (64 mm)	23/4" (70 mm)	2½" (64 mm)			
Weight	61 lbs. (28 kg) per pair (4 panels)		14 lbs. (6.3 kg) each			
Crossover	Passive 3-Way @ 500Hz and 3kHz (asymmetrical)		Passive 3-way			

	de Outdoor Speakers 8			
	STINGRAY 83	STINGRAY 8	STINGRAY 6	STINGRAY 430
	3-way Full Range	2-Way Full Range Speaker	2-Way Full Range Speaker	Outdoor Subwoofer
	Expert Grade Speaker	,	,	
Frequency Response	40Hz to 20kHz	45Hz to 18kHz	50Hz to 18kHz	20Hz to 100Hz
Power Capacity	160 watts RMS	160 watts RMS	120 watts RMS	400 watts RMS
Min. Recommended Power	80 watts	80 watts	60 watts	200 watts
Protection	2 independent self-resetting devices (low and high/mid frequency)	(2) independent self-resetting devices (low and high frequency)	(2) independent self-resetting devices (low and high frequency)	-
Sensitivity (1 meter @ 1 watt)	83 dB	83 dB	83 dB	86 dB
High Frequency Driver	(1) 1" (25 mm) neodymium driver	(1) 11/8" (30 mm) neodymium driver	(1) 11/8" (30 mm) neodymium driver	-
Midrange Frequency Driver	(1) 1⅓° (30 mm) neodymium driver	-	-	-
Low Frequency Driver	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer	(1) 1" (25 mm) voice coil 6½" (165 mm) woofer	(8) 1½" (38 mm) voice coil 8" (203 mm) woofer
Magnet	(1) ceramic 20 oz.	(1) ceramic 20 oz.	(1) ceramic 15 oz.	(8) ceramic 20 oz.
System Impedance	$8\Omega$ nominal	$8\Omega$ nominal	$8\Omega$ nominal	$4\Omega$ nominal
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical	360 degrees horizontal & vertical
Width	14¾" (375 mm)	14¾" (375 mm)	14 <b>7/</b> 8" (378 mm)	171/4" (438 mm)
Height	20 <b>%</b> " (530 mm)	201/8" (530 mm)	10 <b>7/s</b> " (276 mm)	17½" (438 mm)
Depth	3 <b>%</b> " (98 mm)	31/8" (98 mm)	31/8" (98 mm)	313/4" (788 mm)
Weight	15 lbs. (7 kg) each	15 lbs. (7 kg) each	12 lbs. (6 kg) each	145 lbs. (65 kg) each
Crossover	Passive 3-way	Passive 2-way	Passive 2-way	=

	LR3g	LR8g	SLR8 <sub>G</sub>	LR6g
	3-way Full Range Speaker	2-way Full Range Speaker	Stereo Speaker	2-way Full Range Speaker
Frequency Response	40Hz to 20kHz	45Hz to 20kHz	45Hz to 20kHz	45Hz to 20kHz
Power Capacity	200 watts RMS	120 watts RMS	120 watts RMS per channel	100 watts RMS
Min. Recommended Power	75 watts	60 watts	60 watts per channel	50 watts
Protection	(3) independent self-resetting devices (low, midrange and high frequency)	(2) independent self-resetting devices (low and high frequency)	(4) independent self-resetting devices (low and high frequency each channel)	(2) independent self-resetting devices (low and high frequency)
Sensitivity (1 meter @ 1 watt)	83 dB	83 dB	82 dB	83 dB
High Frequency Driver	(1) 1" (25 mm) neodymium driver	(1) 11/8" (30 mm) neodymium driver	(2) 11/8" (30 mm) neodymium drivers	(2) 11/8" (30 mm) neodymium drivers
Midrange Frequency Driver	(2) 11∕₃" (30 mm) neodymium drivers	-	-	-
Low Frequency Driver	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer	(1) 1" (25 mm) voice coil, 6.5" (165 mm) woofer,
Magnet	(1) ceramic 20 oz.	(1) ceramic 20 oz.	(1) ceramic 20 oz.	(1) ceramic 15 oz.
System Impedance	$8\Omega$ nominal	$8\Omega$ nominal	$8\Omega$ nominal	$8\Omega$ nominal
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical
Width	15 <b>%</b> " (403 mm)	15 <b>%</b> " (403 mm)	15 <b>%</b> " (403 mm)	15 <b>%</b> " (403 mm)
Height	30" (762 mm)	22" (559 mm)	22" (558 mm)	11 <b>⅓</b> " (302 mm)
Depth	2½" (64 mm)	2½" (64 mm)	2½" (64 mm)	21/4" (57 mm)
Weight	20 lbs. (9 kg) each	14 lbs. (6.3 kg) each	14.5 lbs. (6.6 kg) each	8.7 lbs. (3.9 kg) each
Crossover	Passive 3-way	Passive 2-way	Passive 2-way	Passive 2-way

Invisible Subwoofers					
	B30g	B22g			
	Subwoofer System	Compact Subwoofer System			
Frequency Response	20Hz to 160Hz	30Hz to 150Hz			
Power Capacity	240 watts RMS (per pair)	160 watts RMS (per pair)			
Min. Recommended Power	120 watts (per pair)	100 watts (per pair)			
Sensitivity (1 meter @ 1 watt)	86 dB	86 dB			
Low Frequency Driver	(2) 1½" (38 mm) voice coil 8" (203 mm) woofers	(1) 1½" (38 mm) voice coil 8" (203 mm) woofer			
Magnet	(2) ceramic 20 oz.	(1) ceramic 20 oz.			
System Impedance	$16\Omega$ or $4\Omega$ (selectable)	$8\Omega$ nominal			
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical			
Width	15 <b>%</b> " (403 mm)	15 <b>½</b> " (403 mm)			
Height	30" (762 mm)	22" (558 mm)			
Depth	2½" (64 mm)	2½" (64 mm)			
Weight	40 lbs. (18.2 kg) each pair (two panels)	28 lbs. (12.7 kg) each pair (two panels)			
Crossover Frequency	Requires amplifier with low pass filter	Requires amplifier with low pass filter			
	50Hz with 18 dB slope recommended	80Hz with 18 dB slope recommended			

Amplifiers						
	SA2400 MKII	SA255 MKII				
	2-channel Amplifier	Subwoofer Amplifier				
Mono Power Output	310 watts @ $8\Omega$ < 0.05 THD	250 watts @ $8\Omega$ < 0.05 THD				
	450 watts @ $4\Omega$ < 0.05 THD	350 watts @ $4\Omega$ < 0.05 THD				
Total Harmonic Distortion	$<$ 0.05 @ 450 watt 4 $\Omega$ / 1kHz	$<$ 0.05 $@$ 1 watt 4 $\Omega$ / 100Hz				
Signal to Noise Ratio	>105 dB / A weighting 20Hz-20kHz	86 dB below rated output				
Low Pass Filter	DSP based signal processing featuring a 22-band PEQ, variable HPF/LPF, with limiter and delay. Optional	50Hz - 150Hz / 18 dB per octave (variable with bypass switch)				
High Pass Filter	Windows™ based DSP programming software included.	18Hz / 30 dB per octave (fixed)				
System Impedance	$8\Omega$ nominal, $4\Omega$ minimum	$8\Omega$ nominal, $4\Omega$ minimum				
Current Draw	4.52A @ 1/3 pwr/4Ω-115/230 VAC/50-60Hz	6.2A @ 350W/4 <b>Ω</b> - 115/230 VAC/50-60Hz				
Width	19" (482 mm) with rack ears	19" (482 mm) with rack ears				
Height	3½" (89 mm) without feet	3½" (89 mm) without feet				
Depth	15¾" (400 mm)	13 <b>%</b> " (346 mm)				
Shipping Weight	37 lbs. (16.8 kg)	32 lbs. (14.5 kg) each				



# **StealthAcoustics.com**

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