

## TNA-2120SA-G3

2 x 12-inch Active Subwoofer, Bass Reflex

### FEATURES

- 2 x 12-inch HH-Designed LF Drivers.
- Integrated 3-channel Class-D amplifier.
- System Power: 1200RMS, 4800W Peak
- Integrated pin-based rigging system.
- 56-bit DSP controlling crossover, EQ, phase and time optimisation.
- 6 built in DSP presets.
- Universal switched mode power supply with power factor correction and global mains voltage operation.

### APPLICATIONS

- Live Music
- Nightclubs
- Auditoriums
- Theatres
- Houses of Worship



### DESCRIPTION

The TNA-2120SA-G3 is a high-performance dual 12-inch active line array subwoofer that delivers exceptional low-frequency output. Featuring an integrated 3-channel Class-D amplifier with a system power rating of 1200W RMS, the TNA-2120SA-G3 is capable of powering up to six TNA-2051-G3 line array modules as well as the two internal 12-inch HH-designed LF drivers.

The TNA-2120SA-G3 features 56-bit DSP for controlling crossover, EQ, phase, and time alignment with 6 built-in DSP presets optimised for various array cabinet configurations. The TNA-2120SA-G3 has a frequency response of 52Hz-150Hz (-3dB), tuned by these built-in DSP presets selectable on the rear panel.

The TNA-2120SA-G3 has an improved cabinet design combining a modern aesthetic with improved ergonomics. The redesigned handles enhance portability making the compact high-performance subwoofer more transportable and simple to position appropriately.

The TNA-2120SA-G3 has been engineered to pair seamlessly with TNA-2051-G3 arrays via the integrated rigging system. Whether the system is ground stacked or flown, this upgraded hardware drastically simplifies set up and tear down time offering significant efficiency improvements over previous generations of TNA, and expands the range of potential applications which span from fixed installation through to small-to-medium scale touring.

This generation of TNA benefits from several key acoustic, mechanical, and aesthetic upgrades including:

- Acoustic optimisation to improve overall system performance.
- Simple setup and tear down via the integrated pin-based rigging system.
- Improved portability with a new cabinet handle design.
- Enhanced durability with an upgraded hard-wearing black paint finish.
- Improved aesthetic with an updated cabinet design.

TNA-G3 systems can be flown via the TNA-BRK1-G3 flying bracket and easily transported with the TNA-DF1-G3 dolly frame.



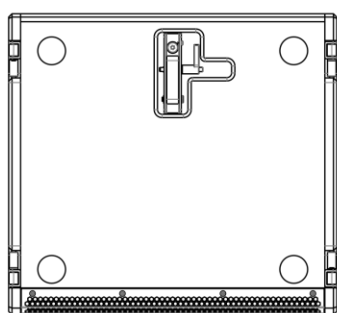
## SPECIFICATIONS

Specifications	
Model	TNA-2120SA-G3
System Type	2 x 12" Active Subwoofer, Bass Reflex, with Three channel internal amplifier (Two HF Amplifier Channels for external satellites).
Frequency Response	52Hz - 200Hz (-10dB)
	52Hz - 150Hz (-3dB) * Tuned with internal DSP Presets
LF Driver	2 x 12-inch HH designed high performance driver.
Sensitivity (1W/1m)	104dB SPL
Max SPL 1m	134dB SPL Continuous, 137dB SPL Peak
<b>Amplifier</b>	
System Amplifier Power Rating	4800W Peak, 2400W Continuous, 1200W RMS
Subwoofer Amplifier Power Rating	2400W Peak, 1200W Continuous, 600W RMS
Satellite Amplifier Power Rating	Two Channels Each of 1200W Peak, 600W Continuous, 300W RMS
Input Connectors	Balanced XLR Connector
Output Connectors	1x Balanced XLR Link Out, 1x Balanced XLR Sub out with 2 way/3 way mode switch and Ground Lift Switch. 2 x locking speakON™ connectors for external TNA-2051 cabinets.
Signal Indicators	Power, Mute/Protect, Clip Indicator, Preset Mode
DSP	56-bit DSP controlling Crossover, EQ, phase and time optimisation for array cabinets. Six built in DSP presets for typical use cases.
Protection	Comprehensive protection and clip free limiting + clip indicator.
Controls	Master Volume, DSP Preset Switch.
Input Impedance	22K Balanced, 10K unbalanced.
<b>Power Requirements</b>	
AC Power	~100V-240V 50/60Hz (Locking Powercon)
Typical Power Consumption	250W (1/8th Power) 1200W Maximum .
<b>Enclosure</b>	
Cabinet	18mm Plywood.
Finish	Painted Black.
Mounting Bracket	TNA-BRK1-G3
Mounting Points	20 x M8 Mounting Points for rigging system. (2 top, 2 bottom, 8 left, 8 right).
Grille	1.5mm Thickness, Hexagonal mesh.
Unit dimensions (HWD)	727 x 496 x 455mm, 28.6" x 19.5" x 17.9"
Unit weight	37Kg, 81.6 lbs
Carton dimensions (HWD)	810 x 595 x 555mm, 31.9" x 23.4" x 21.9" , 0.267 M3
Packed weight	42.5Kg, 93.7 lbs
EAN13 Code	5060109459685

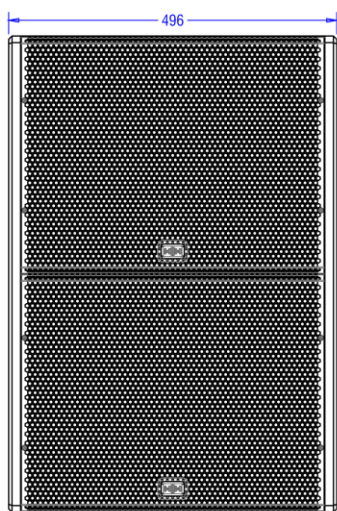
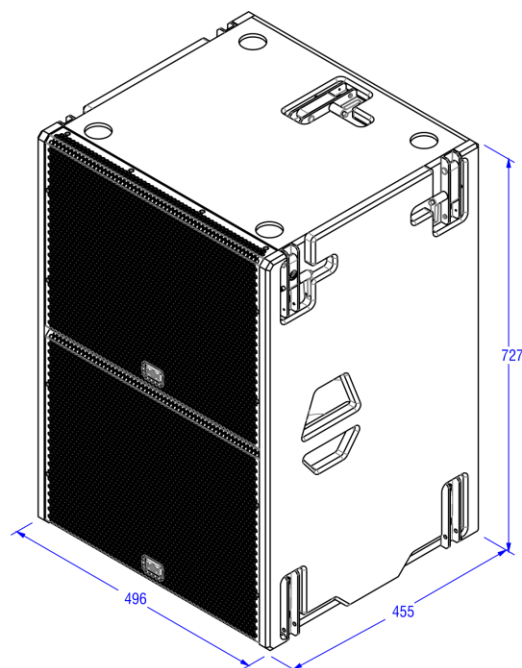
In the interest of continued development, HH reserves the right to amend product specification without prior notification.



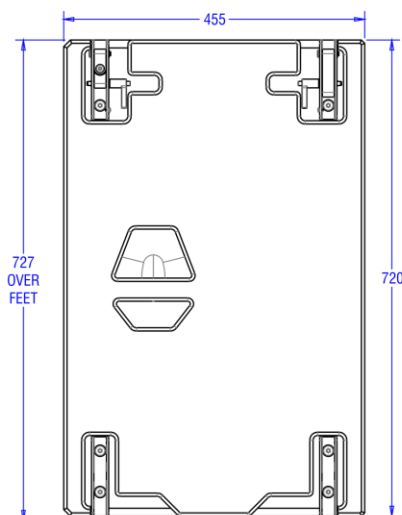
## DIMENSIONS (in mm)



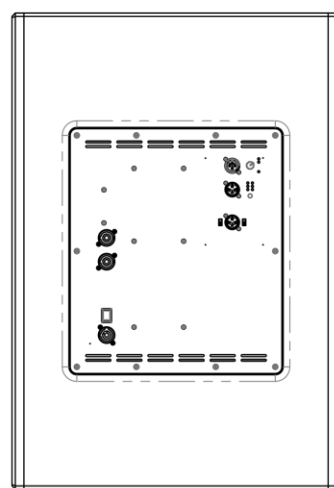
TOP



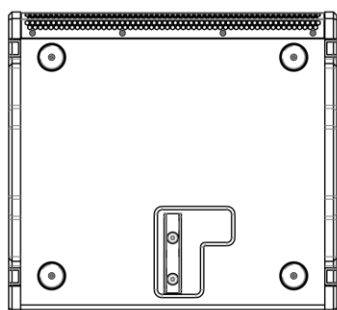
FRONT



RIGHT



REAR



BASE

HH Audio is a trading style of  
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