



The HHTNA line array series has been engineered to provide professional audio performance with compact dimensions to suit a wide range of applications.

Designed not only for dedicated installations but also mobile, high power FOH applications. The TNA line array series is ideal for venue installation, hotels, gyms and also as portable, professional PA system for live use.

Flexible configurations allow the system to be customised to the venue or application at hand, either as a long throw system or as a standalone, full range point source system.



* SHOWN
4 x TNA-2051
1x TNA-1200S
1 x TNA-BRK1 MOUNTING BRACKET





TNA - COMPACT LINE ARRAY SERIES - BROCHURE

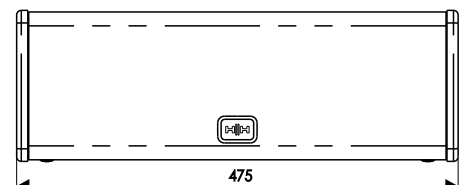
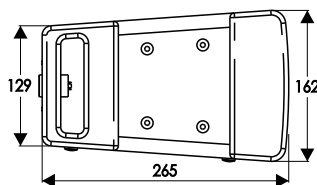
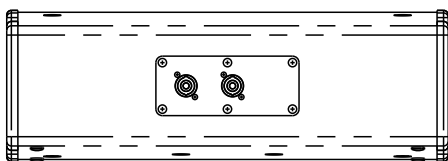
TNA-2051



Description	The TNA-2051 passive line array speaker system features dual HH designed 5" LF drivers and 1.33" Celestion HF compression driver. The outer enclosure features integrated rigging hardware, enabling the TNA-2051 to be installed easily by a single engineer. With flexible configurations, the TNA-2051 can be used as a traditional line array system for long throw applications or as a standalone full range point source system. The TNA-2051 offers a high SPL making it an ideal option for venue, halls, hotels, live sound reinforcement and more.
Specifications	
Model	TNA-2051
System type	2-way line array loudspeaker
Frequency Response	65Hz - 20KHz (-10dB) 100Hz - 18KHz (-3dB)
System Power Rating ¹	200W AES, 800W Peak
SPL 1W/1m ²	94 dB SPL
Max SPL 1m ³	123 dB SPL
System Max SPL 1m ⁴	132 dB SPL
Nominal System Impedance	16 ohms
Input Connector	NL4 ±1 Twist Lock Connector
Link Connector	NL4 ±1 Twist Lock Connector
Speaker	
HF Driver	1 x 1.33" Celestion Compression Driver, mounted to Celestion Designed waveguide and horn
LF Driver	2 x 5" HH designed driver
Internal Crossover Frequency	2000Hz
Nominal dispersion	120° x 60° (120° x 30° single point)
Rigging/Splay Angle Settings	Dual Angle, 0° and 8°
Recommended HPF Frequency	100Hz
Enclosure	
Cabinet	15mm Plywood
Finish	Painted Black (White finish optional, subject to MOQ)
Mounting Bracket	TNA-BRK1 for suspended mounting
Mounting Points	M8 side mounting for included brackets
Grille	1.5mm Thickness Steel, Hexagonal mesh, acoustic foam lined
Unit dimensions (HWD)	158 x 460 x 265mm, 6.2" x 18.1" x 10.4"
Unit weight	8.4Kg, 18.5 lbs (each)
Carton dimensions (HWD)	410 x 330 x 530mm, 16.1" x 13" x 20.9"
Packed weight	18.4Kg, 40.6 lbs (2pcs per carton)

DIMENSIONS (in mm)

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



For polar plots, EASE modelling files, 2D and 3D drawings files, please check www.hhelectronics.com

¹ AES standard Pink Noise 12dB crest factor 2 hours
² Measured in Full space (4π) conditions
³ Calculated maximum SPL based on rated power handling
⁴ System Max SPL based on 4x TNA-2051





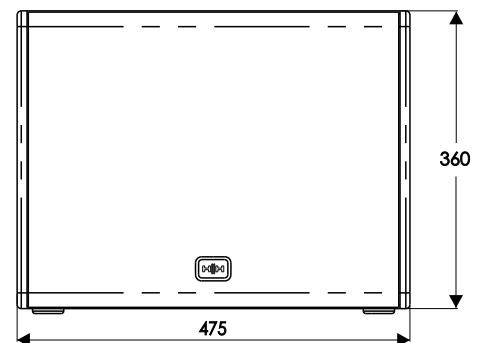
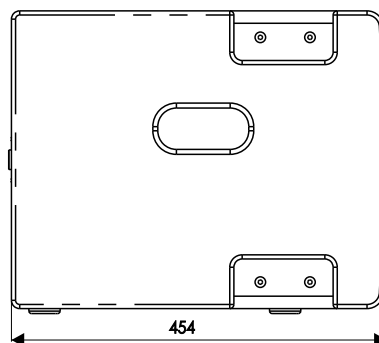
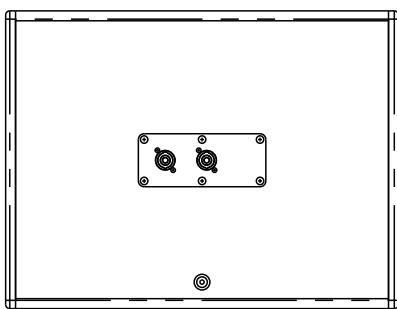
TNA-I200S



Description	The TNA-1200S passive line array subwoofer features a HH designed 12" low frequency woofer with exceptional high output. Equipped with integrated rigging hardware, the TNA-1200S can be installed quickly and easily. The TNA-1200S offers a max SPL of 126 dB and offers a frequency response as low as 35Hz. When combined with the TNA-2051, the TNA-1200S offers an ideal venue installation or point source solution. Ideal for venues, schools, sports, gyms, hotels and more.
Specifications	
Model	TNA-1200S
System Type	12" Passive Subwoofer, Bass Reflex
Frequency Response	35Hz - 2KHz (-10dB) 40Hz - 500Hz (-3dB)
System Power Rating ¹	300W AES, 1200W Peak
SPL 1W/1m ²	95 dB SPL
Max SPL 1m ³	126 dB SPL
Nominal System Impedance	8 ohms
Input Connector	NL4 ±1 Twist Lock Connector
Link Connector	NL4 ±1 Twist Lock Connector
Speaker	
LF Driver	1x12" High sensitivity HH designed driver
Recommended LPF Frequency	180Hz
Enclosure	
Cabinet	15mm Plywood
Finish	Painted Black (White finish optional, subject to MOQ)
Mounting Bracket	TNA-BRK1
Mounting Points	M8 fixings for included metal side brackets, and optional TNA-BRK1 flying bracket assembly
Grille	1.5mm Thickness Steel, Hexagonal mesh, acoustic foam lined
Unit dimensions (HWD)	365 x 460 x 470mm, 14.4" x 18.1" x 18.5"
Unit weight	18.8Kg, 41.4 lbs
Carton dimensions (HWD)	535 x 430 x 530mm, 21.1" x 16.9" x 20.9" , 0.122 M3
Packed weight	22.5Kg, 49.6 lbs

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

DIMENSIONS (in mm)



1 AES standard Pink Noise 12dB crest factor 2 hours
2 Measured in Full space (4π) conditions
3 Calculated maximum SPL based on rated power handling





TNA - COMPACT LINE ARRAY SERIES - BROCHURE

TNA-1800S



Description The TNA-1800S passive line array subwoofer features a HH designed 18" low frequency woofer with exceptional high output. Equipped with integrated rigging hardware, the TNA-1800S can be installed quickly and easily. The TNA-1800S offers a max SPL of 135 dB and offers a frequency response as low as 30Hz. When combined with the TNA-2051 and TNA-1200S, the TNA-1800S offers an ideal venue installation or point source solution. Ideal for venues, schools, sports, gyms, hotels and more.

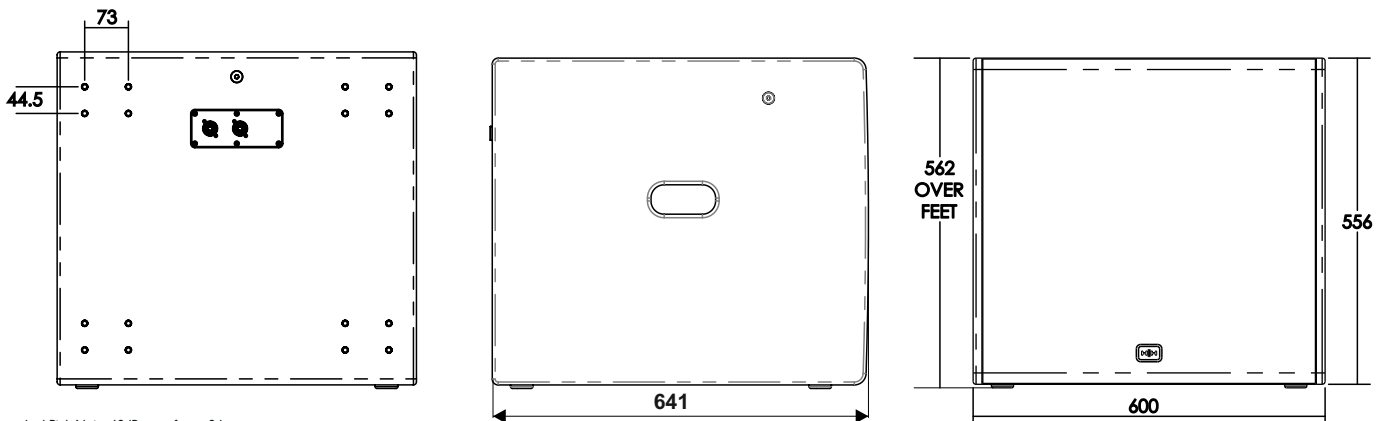
Specifications	
Model	TNA-1800S
System Type	18" Passive Subwoofer, Bass Reflex
Frequency Response	30Hz - 1KHz (-10dB) 40Hz - 500Hz (-3dB)
System Power Rating ¹	500W AES, 2000W Peak
SPL 1W/1m ²	102 dB SPL
Max SPL 1m ³	135 dB SPL
Nominal System Impedance	4 ohms
Input Connector	NL4 ±1 Twist Lock Connector
Link Connector	NL4 ±1 Twist Lock Connector

Speaker	
LF Driver	1x18" High sensitivity HH designed driver
Recommended LPF Frequency	160Hz

Enclosure	
Cabinet	Acoustically optimised plywood cabinet with extensive internal bracing to eliminate vibrational modes
Finish	Painted Black
Mounting Points	6x M10 Penn Elcom tie down/flying points & M20 Threaded Pole Mount
Grille	1.5mm Thickness Steel, Hexagonal mesh, acoustic foam lined
Unit dimensions (HWD)	556 x 600 x 641mm, 21.9" x 23.6" x 25.2"
Unit weight	34.38Kg, 75.8 lbs
Carton dimensions (HWD)	660 x 695 x 730mm, 26" x 27.4" x 28.7", 0.335 M3
Packed weight	42Kg, 92.6 lbs

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

DIMENSIONS (in mm)



1 AES standard Pink Noise 12dB crest factor 2 hours
 2 Measured in Half space (2π) conditions
 3 Calculated maximum SPL based on rated power handling



TNA - COMPACT LINE ARRAY SERIES - BROCHURE

Type	Install Bracket, Suspended
Description	The TNA-BRK1 attaches securely to the the TNS-1200S or TNA-2051 to allow secure suspension of the system.
Specifications	
Model	TNA-BRK1
Suspension Type	The bracket allows you to fit upto three D-shackles (included)
Mounting Type	Five M8 mounting points hold the bracket securely to the cabinet
Max Load Weight	120Kg, 264lbs
Max Unit Load	8x TNA-2051 & 2x TNA-1200s OR 4x TNA-1200S
Unit dimensions (HWD)	64 x 451 x 340mm, 2.5" x 17.8" x 13.4"
Unit weight	5.6Kg, 12.3 lbs
Carton dimensions (HWD)	145 x 505 x 430mm, 5.7" x 19.9" x 16.9" , 0.031 M3
Packed weight	6.7Kg, 14.8 lbs

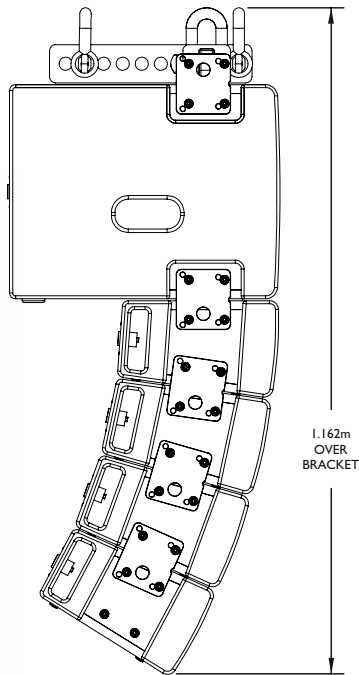


Type	Portable Sytem Wheeled Dolly
Description	The TNA-DF1 attaches securely to the the TNS-1200S and transforms the array into a fully portable system
Specifications	
Model	TNA-DF1
Mounting Type	Five M8 mounting points hold the frame securely to the cabinet
Castors	100mm heavy duty PU castor. Two fixed, two omni-directional with brakes
Unit dimensions (HWD)	206 x 457 x 453mm, 8.1" x 18" x 17.8"
Unit weight	10.8Kg, 23.8 lbs
Carton dimensions (HWD)	160 x 520 x 520mm, 6.3" x 20.5" x 20.5" , 0.043 M3
Packed weight	12.9Kg, 28.4 lbs

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



SYSTEM OPTIONS

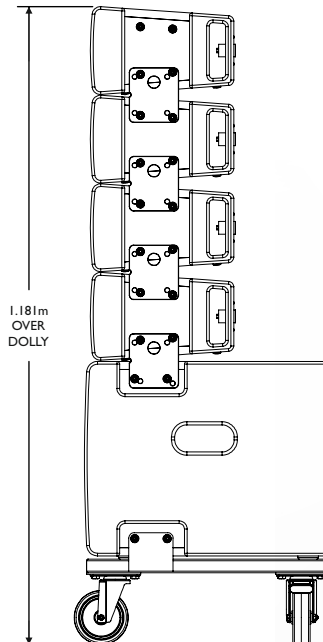


SUSPENDED SYSTEM I

1x TNA-BRK1 Suspension Frame

1x TNA-1200S Passive Subwoofer

4x TNA-2051 Passive Top Line Array Box



FLOOR SYSTEM I

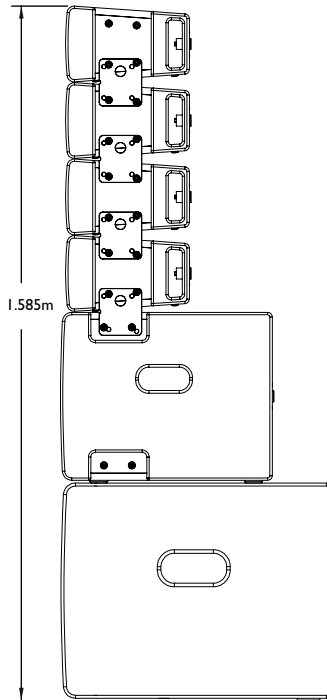
1x TNA-DF1 Dolly Frame

1x TNA-1200S Passive Subwoofer

4x TNA-2051 Passive Top Line Array Box

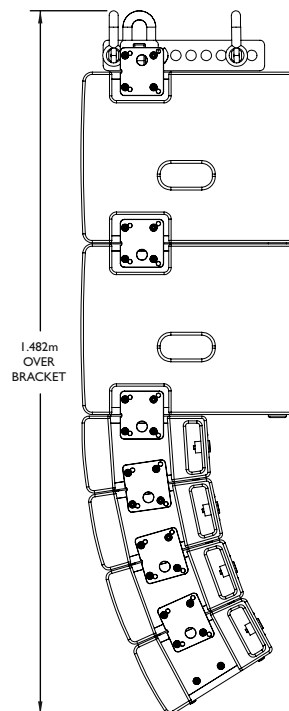


SYSTEM OPTIONS



FLOOR SYSTEM 2

- 1x TNA-1800S Passive Subwoofer
- 1x TNA-1200S Passive Subwoofer
- 4x TNA-2051 Passive Top Line Array Box



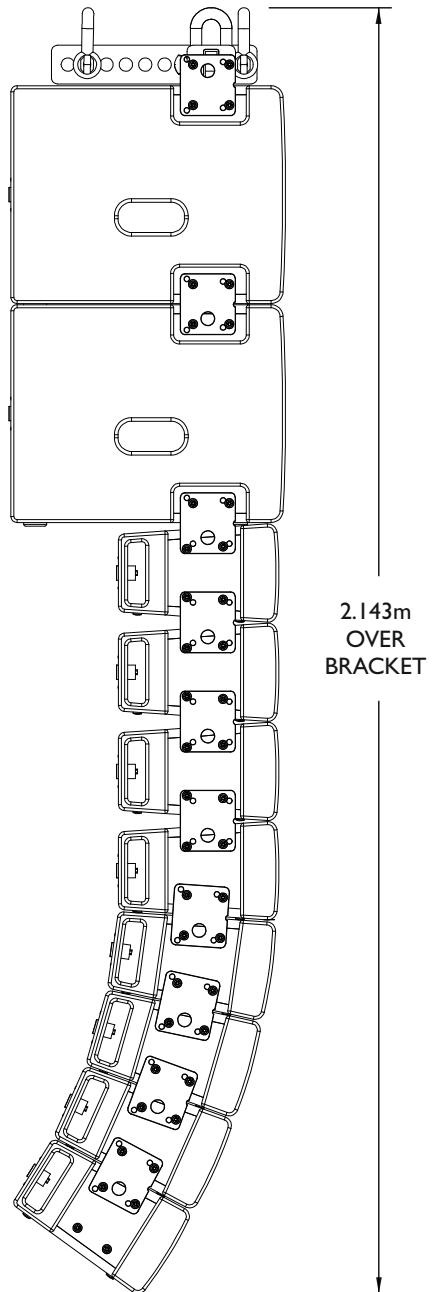
SUSPENDED SYSTEM 2

- 1x TNA-BRK1 Suspension Frame
- 2x TNA-1200S Passive Subwoofer
- 4x TNA-2051 Passive Top Line Array Box





SYSTEM OPTIONS



SUSPENDED SYSTEM 3

- 1x TNA-BRK1 Suspension Frame
- 2x TNA-1200S Passive Subwoofer
- 8x TNA-2051 Passive Top Line Array Box

