

action 218A

Powered subwoofer system



- » Direct radiator subwoofer
- » 2 x 18" low frequency speakers
- » 3200 W class D power amplifier
- » Variable low pass filter
- » Selectable polarity switch
- » Stereo input
- » Deep/Loud EQ switch

The Action 218A is a powered subwoofer system designed to provide outstanding performance in terms of output power, bandwidth extension and distortion. The Action 218A incorporates the 18H4 loudspeaker equipped with 4" voice coils, offering an excellent power handling capacity, reduced distortion and power compression.

The Action 218A incorporates a high power (3200 W peak) amplifier design providing ample headroom and accuracy. The amplifier uses the latest Class D design.

The subwoofer is designed to be stacked vertically, reducing the units footprint and allowing for more "on-stage" space.

The subwoofer system includes two balanced inputs with stereo 100 Hz filtered output connections for Action satellite systems. The high pass filter can be defeated to offer stereo "loop thru" connections. A gain control and polarity reverse feature increase user control over the system.

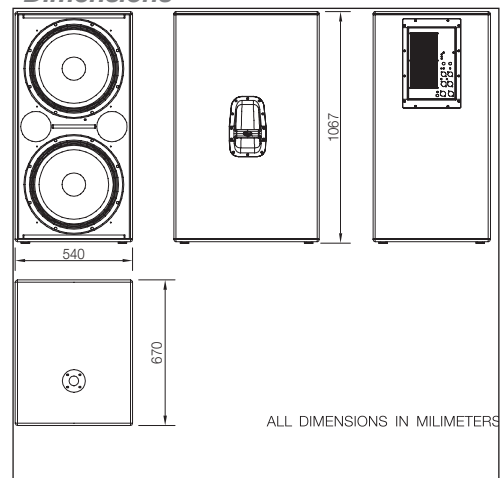
Signal present and limiter leds indicate the system status and assist in setting the optimum level, via the level control knob.

The top panel offers a pole mount socket for use with 35 mm metal posts for mounting fullrange D.A.S. systems above the Action 218A sub-woofer unit.

Technical Specifications

Power Amplifier¹	3200 W _{peak} - 1600 W _{continuous}
Input Type	Balanced Differential Line
Input Impedance	Line: 20 kohms
Sensitivity	Line: 1.95 V (+8 dBu)
On-axis Frequency Range (-10 dB)²	Loud: 40 Hz - 160 Hz (variable LPF) Deep: 35 Hz -160 Hz (variable LPF)
Maximum Peak SPL at 1 meter	140 dB
Enclosure Material	Birch Plywood
Finish	Iso-Flex Black Paint
Transducers/Replacement Parts	2 x 18H4 / GM 18G4
Connectors	INPUT: 2 x Female XLR LOOP THRU: 2 x Male XLR AC INPUT: PowerCon NAC 3 FCA AC OUTPUT: Powercon NAC 3 FCB
AC Power Requirements	115 V, 6 A, 50 Hz/60 Hz 230 V, 3 A, 50 Hz/60 Hz
Dimensions (H x W x D)	106.7 x 54 x 67 cm 42 x 21.3 x 26.4 in
Weight	63 kg (138.6 lb)
Accessories (optional)	TRD-6

Dimensions

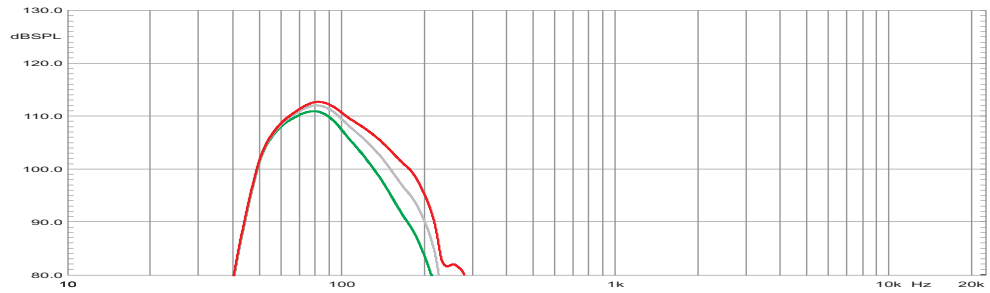


1. Power at driver impedance.
2. LPF set up at 160 Hz. Amplifier includes a variable LPF from 125 Hz to 160 Hz

Frequency Response

(Loud EQ)

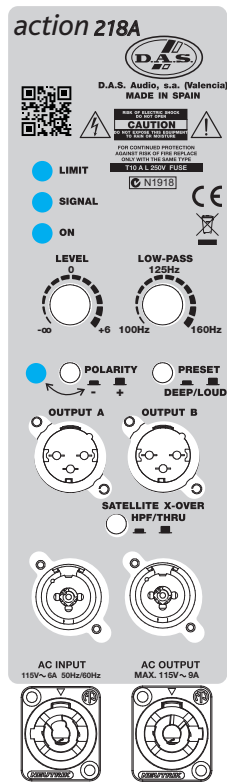
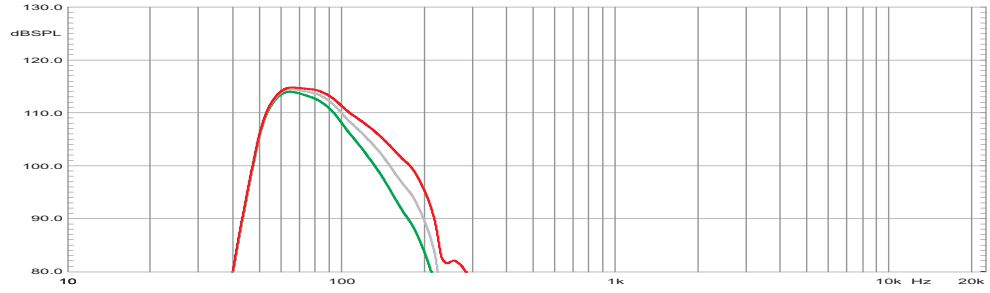
Shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input). Red: LPF 160 Hz. Grey: LPF 125 Hz. Green: LPF 100 Hz.



Frequency Response

(Deep EQ)

Shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input). Red: LPF 160 Hz. Grey: LPF 125 Hz. Green: LPF 100 Hz.



Action 218A input panel

NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.