

action 118A

Powered horn-bass subwoofer system



- » Horn-bass subwoofer system
- » High output 18" loudspeaker
- » 3200 W class D power amplifier
- » Variable low pass filter
- » Selectable polarity switch
- » Stereo input
- » Deep/Loud EQ switch

The Action 118A is a powered subwoofer system designed to provide outstanding performance in terms of output power, bandwidth extension and distortion. The Action 118A incorporates the 18LX loudspeaker equipped with 4" voice coil, offering an excellent power handling capacity, reduced distortion and power compression.

The Action 118A incorporates a high power (3200 W peak) amplifier design providing ample headroom and accuracy. The amplifier uses the latest Class D design.

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 variable low pass filter ranging from 80 Hz to 125 Hz, gain control and polarity reverse increase user control over the system.

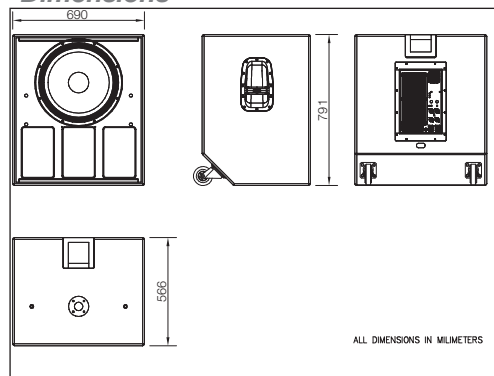
Signal present and limiter leds indicate the system status and assist in setting the optimum level, via the level control knob.

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 118A 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: 50 Hz - 125 Hz (variable LPF) Deep: 45 Hz -125 Hz (variable LPF) |
| Maximum Peak SPL at 1 meter | 137 dB |
| Enclosure Material | Birch Plywood |
| Finish | Iso-Flex Black Paint |
| Transducer/Replacement Parts | 18LX / GM 18LX |
| 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, 3.6 A, 50 Hz/60 Hz 230 V, 1.8 A, 50 Hz/60 Hz |
| Dimensions (H x W x D) | 79.1 x 69.0 x 56.7 cm 31.1 x 27.2 x 22.3 in |
| Weight | 55 kg (121 lb) |
| Accessories (optional) | TRD-6 |

Dimensions

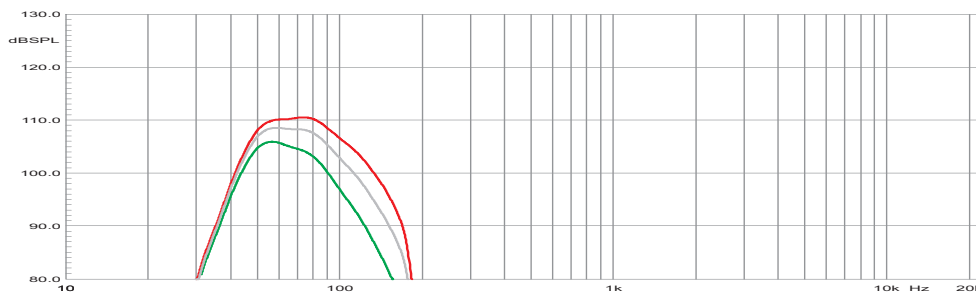


1. Power at driver impedance.
2. LPF set up at 125 Hz. Amplifier includes a variable LPF from 80 Hz to 125 Hz

Frequency Response

(Loud EQ)

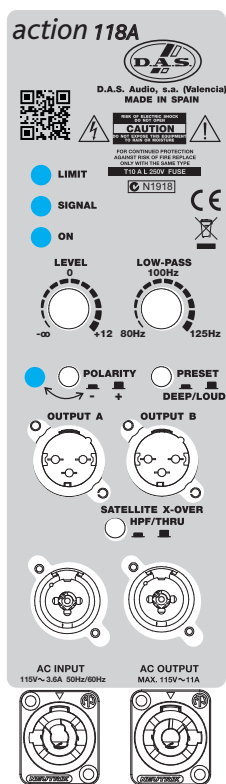
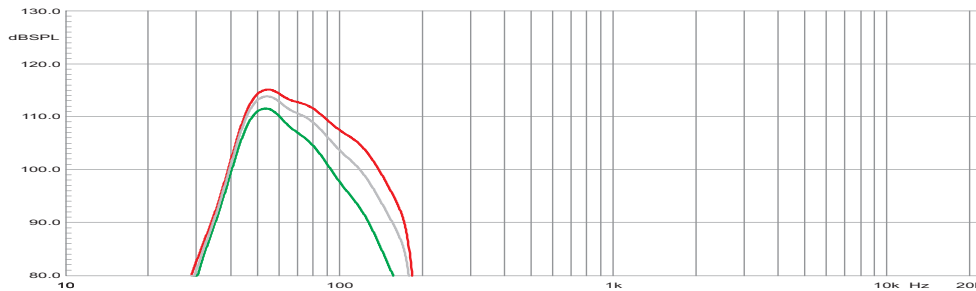
Shows the frequency response at 30 cm of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input; gain set up at 0 dB). Red: LPF 125 Hz. Grey: LPF 100 Hz. Green: LPF 80 Hz.



Frequency Response

(Deep EQ)

Shows the frequency response at 30 cm of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input; gain set up at 0 dB). Red: LPF 125 Hz. Grey: LPF 100 Hz. Green: LPF 80 Hz.



Action 118A input panel

NOTES. 1.Frequency response: 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.