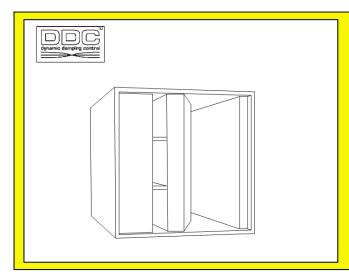


TechDoc: SA AB18 AB18.051913EN



Audience AB18

In this documentation you will find information about:

- Description
- Placement
- Dynamic Damping Control™
- Maintenance
- Connections
- Options
- Technical specifications

Description

Driven by an 18" neodymium woofer the AB18 (band-pass) subwoofer delivers outstanding ultra low frequency music reproduction in a variety of applications including outdoor events, classical and theatrical productions and A/V presentations of all types.

Placement

The AB18 can be placed directly on the floor or stacked. Please note that bass-response may vary with the position of the cabinet, through "acoustic coupling"! (floor, ceiling and wall reflections).

Wiring for DDC™

For absolute top quality sound reproduction, the AB18 is equipped with Dynamic Damping Control™. The DDC™ system is based on two loudspeaker wires that return from the speaker to the (SA) amplifier. The picture on the right shows the wiring of SpeakON NL4 connector in combination with the DDC™ system.

Maintenance

Maintenance on the AB18, especially on the drivers, is best left to official Stage Accompany service personnel.

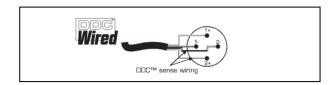
However, cleaning of the cabinet can easily be done by yourself with a damp lint-free cloth.

Connections

The AB18 is fitted with two SpeakON NL4 at the backside of the cabinet. (Caution: when linking, make sure nominal impedance stays within amplifier specification!).

Options

The AB36 is standard finished in SA Black Protexture, but is also available in any possible RAL color (Multi Color Option $^{\text{TM}}$). For use in a small PA a pole adaptor can be added to the AB18 to support the Prompter PR34.



Technical specifications

Frequency response : 32Hz – 125Hz (+/- 5dB) Usable bandwidth : 28Hz – 150Hz (+/- 10dB)

Transducer : 1 x SA1806N, 18" neodymium driver

Nominal impedance : 8Ω

Max. RMS/Peak power : 1000W/2000W SPL program/peak : 130dB/136dB Band-pass sensitivity @ 1W/1m : 100dB

Signal processing : presets for various controllers are available on request Enclosure construction : 15mm Birch plywood, 8 handles, Protexture finish

Color : SA Black, other colors on request

Front : expanded steel with acoustic transparent cloth

Connectors : 2 x SpeakOn NL4 (linked)

Physical dimensions (H x W x D) : 600mm x 600mm x 860mm (23.6" x 23.6" x 33.8")

Weight : 65kg (143.0lb)

Warranty : 5 years limited (1 year on 'moving parts')



Stage Accompany by Haven 28 2984 BR Ridderkerk The Netherlands Tel; 31 (0)180 426225 Fax: 31 (0)180 421831 E-mail: info@StageAccompany.com Copyright 2013 Stage Accompany bv .

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