

High output, self powered (Class D switch mode power supply) direct radiation subwoofer cabinet. Consists of an 18" (4" DUO voice coil) neodymium magnet transducer with DCS (Double Conex Spider) technology. DSP controlled with 1000W amplification, 137db SPL.



Key features

- Class D powered
- Integrated Digital Processing
- Internal temperature control
- Electronic protection
- High quality components
- Online monitoring available
- Bass reflex sub unit

Applications

- Theatres & auditoriums
- Houses of worship
- Small / middle sized clubs
- Front fill / side fill reinforcement
- Smaller live stages / events
- Portable sound reinforcement

General description & specifications

The compact ADP-181S sub bass cabinet is part of the ADP Self powered, DSP integrated Series. It has been designed to offer the utmost sound reinforcement reliability, incorporating the latest acoustical and electrical technology and delivering incredible, dynamic sound.

The ADP-181S is an extremely high power sub bass cabinet providing exceptional low frequency reinforcement for the ADP Full range cabinets. It uses one 18" (4" DUO voice coil) neodymium magnet transducer with nomex cone and suspension in direct radiation bass reflex configuration.

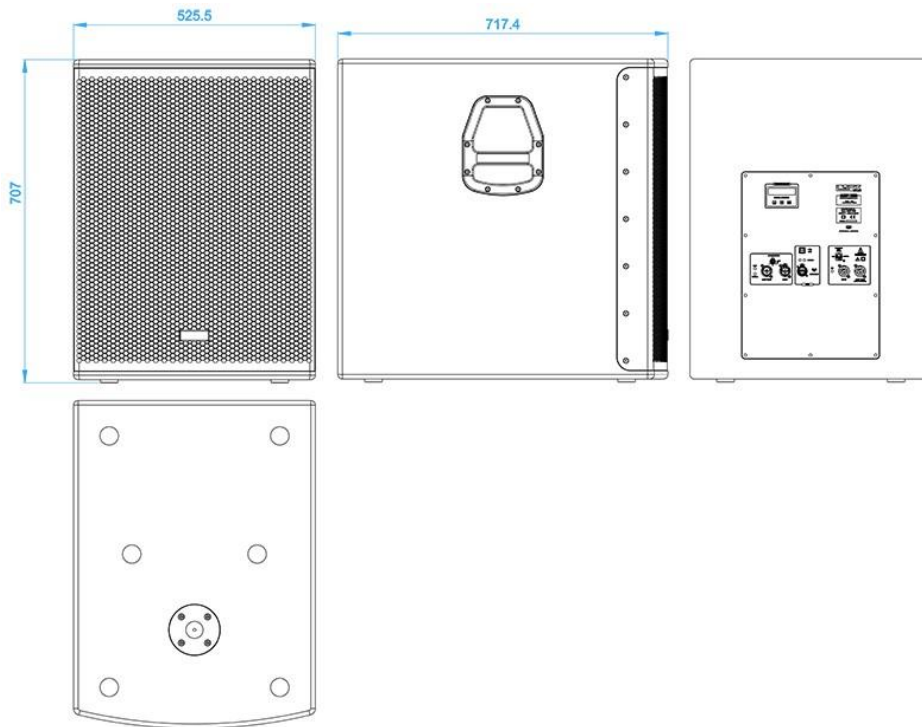
The ADP-181S is powered with a total of 1000W of class D amplification. Each cabinet has a DSP integrated for system protection and optimization. Other features include temperature sensor, fan speed control, Ethernet options and many more.

The ADP-181S has an unbeatable power to size ratio, there is no need for external amplification racks, is very light weight and as such is the ideal solution for portable or fixed sound reinforcement enabling quick and easy set-ups. An integrated pole mount enables easy satellite configuration with the ADP full range cabinets.

Technical Data

Components	1 x 18" Neodymium Woofer with Nomex cone
Frequency range	30 Hz - 300 Hz (-10dB)
Frequency response	35 Hz - 150 Hz (± 3dB)
Max SPL	132 dB / 137 dB peak
Coverage angle	Omnidirectional
Power	1000 W Class D with switching power supply
Configuration	Bass-reflex, Direct radiation
Processing	56 bit Lynx DSPB-22
Cabinet adjustment	back panel LCD
Control connections	XLR / Ethernet (OCS) optional, USB (DSP programming)
AC Power	90 - 264V 50/60 Hz with PFC
AC connections	16A Neutrik powerCon with link output
Finish	Polyurea coating, black colour
Material	18 mm premium birch plywood
Dimensions	707 x 525 x 717 mm (H x W x D)
Weight	51 kg (112 lbs)

Dimensional Drawing



Amplification & DSP

1000w Class D with switching power supply amplifier for the 18" transducer. The amplification far exceeds the transducer needs thus resulting in high output, high damping factor and extremely low levels of distortion.