

S-18 - 18" / 1400W

The S-18 is a high power 18" subwoofer, equipped with the high quality workhorse 18LW1400 from 18 Sound.

The solid construction and careful design of S-18 gives a first class low frequency reproduction, even at very high levels. Extremely high power-rating coupled with a high sensitivity and careful acoustic design with more attack in the 38-100 Hz region, gives perfect support for high-power mid/high systems, including line-arrays.

Applications include: Concert tours, Touring, Theatres, FOH, Drumfill, Installation, Live music clubs, Discoteques, Outdoor events, etc.

Extreme high power subwoofer Integrated stand adapter Compact design 18" with 4" ISV voicecoil (Interleaved Sandwich Voicecoil) Interlocking ribs for stacking multiple subwoofers 18" with Double Demodulation Rings (DDR) 4 wheels for easy transport 18" with Double Silicone Spider (DSS) Max SPL 133dB - 128dB programme 700W RMS - 1,400 Watt Programme

- Applications Include
- Features
- Technical Specifications
- Flash Presentation
- PDF Document download
- High resolution image The S-18 is designed to meet the demand for a compact high powered low frequency subwoofer in touring and other professional use.

The transducer is the well known 18 Sound 18LW1400, providing outstanding low frequency reproduction.

A new state-of-the-art voice coil based on Eighteen Sound's Interleaved Sandwich Voice coil (ISV) increases this control, providing high levels of thermal stability and durability. This ISV technology is based on a high strength fiberglass former with half the coil wound on the outside and half on the inside and bonded together using unique high temperature resin adhesives. Hence, a balanced linear motor unit, exerting an exceptionally high force factor is achieved.

The low distortion and unmatched sound quality of the 18LW1400 has been significantly improved by the Double Demodulating Rings (DDR) embedded in the pole piece of the magnetic structure. These have been designed to dramatically reduce the intermodulation and harmonic distortion while improving the transient response.

Excellent heat dissipation has been achieved from the special basket design which incorporates air channels between the basket and the magnetic top plate. In addition, 8 air vents incorporated into the back plate are aligned with the voice coil to force air into the lower part of the gap.

The cabinet is constructed by 15mm waterproof birch with solid reinforcements to eliminate coloration of sound by vibrations. Heavy duty handles and mating stacking ribs makes stacking secure and easy. Transport is easy as heavy duty wheels are placed on back, making it able to cross even brick or dirt roads. Stand adapter is incorporated in cabinet for mounting mid/high box on stick, providing a small convenient set-up for live-sound or other mobile applications. The finish is in a very durable, textured black paint, and the grille is powdercoated, perforated steel with black fire-retardant foam attached on back to protect against dust.

The S-18 weighs 40 kilograms.

Dimensions in cm (h x w x d): 80 x 55 x 60

Applications Include

- Touring
 - FOH
 - Theatre
 - Installations
 - Mobile use
 - Live music clubs
 - Discoteques
 - House of worship
- Technical Specifications
 Acoustical data
 Frequency response +/- 3dB 38 Hz - 120kHz - 10dB 31 Hz - 150kHz
 Sensitivity 98dB 1W @ 1m
 Maximum SPL 133dB for one enclosure
 Long term SPL 127dB for one enclosure
 Recommended cross over freq. 100 Hz

Transducers Configuration
 bass reflex

LF transducer 18 Sound - 18LW1400 8 Ohm 4 inch ISV voicecoil, DDR magnet
 Other versions (impedance) 18 Sound - 18LW1400 - 4 Ohm

4 inch ISV voicecoil, DDR magnet

Technical specifications
 Total RMS power handling 700W

2 hour bandlimited pink noise
 Program power handling 1,400W

as RMS, but 50% duty cycle
 Peak power handling 7,000W

instantaneous, max 10ms Recommended amplifier power 600-1,200W 8 Ohm Nominal impedance 8 Ohm, 6,8 Ohm minimum Crossover none Connectors 2 pcs. 4 pole Neutrik SpeakOn
Physical description Dimensions standing (height x width x depth) 800mm x 550mm x 600mm Weight 40 kg net (43 kg. shipping) Enclosure 15mm waterproof birch Finish Heavy duty black coating Grille 58% open 1,5mm powdercoated steel backed with fire retardent foam Pole mount cup 35mm integrated Flypoints None Options Cables, DSP, amp