

SW218HD

Ultra High Performance Subwoofer

VAL audio

Die Liebe zur Musik



The SW218HD is an ultra-high-power, large-format subwoofer engineered for very large venues and outdoor applications demanding extended, high-impact low-frequency reproduction down to 30Hz.

Designed for versatility, the SW218HD can be deployed individually or arrayed in multiples, either horizontally or vertically, utilizing VAL's stacking system to ensure safe and secure stacking. Ground stacking is also compatible with VAL's Point Source (QX, ZX series) and Line Array (VLA, WP, WCX series) systems.

At its core, the SW218HD houses two custom-engineered 18", 1500W RMS each, high-excursion drivers featuring 4.5" voice coils and die-cast aluminum frames. The direct radiating, bass-reflex cabinet design delivers a powerful, extended frequency response of 30Hz to 600Hz (-6dB), achieving a staggering peak SPL of 142dB.

The rugged enclosure is built for the rigors of touring and professional use, featuring a kick-resistant steel grille backed by reticulated foam, finished with a durable, textured, hard waterborne black coating. Two heavy-duty ergonomic handles per side ensure easy handling and transport. Integrated rubber feet on multiple surfaces allow secure ground stacking in both horizontal and vertical orientations, locking into place via recessed stacking cups.

Dual integrated top-hat pole mounts (horizontal and vertical) provide maximum flexibility for pole-mounting full-range loud speakers directly above the SW218HD.

The rear panel features a precision-engineered cast aluminum connection plate fitted with dual 4-pin speakON® connectors (input and link), wired +1/-1 for the subwoofer signal and pass-through on +2/-2.

KEY FEATURES

- **High Power Handling:** 3000W RMS, 12000W Peak power handling
- **Extreme Low-End Performance:** 30Hz response for deep, impactful bass
- **Massive Output:** 142dB peak SPL for the most demanding environments
- **Custom High-Excursion Drivers:** Proprietary 18" transducers with 4.5" voice coils
- **Flexible Deployment:** Horizontal or vertical stacking with secure interlocking system
- **Road-Ready Construction:** Touring-grade build with kick-proof grille and heavy-duty finish
- **Pole-Mount Ready:** Dual top-hat mounts for ultimate system flexibility

TECHNICAL SPECIFICATIONS

Design

2 x 18" Subwoofer, Slot loaded, Bass
Reflex Subwoofer

Impedance

4 Ohm

Power Handling (AES)

3000 Watts (continuous)

Max. Power Handling (AES)

6000 Watts (program)
12000 Watts (peak)

Sensitivity 1W / 1m

102 dB

Max. SPL

136 dB cont
142 dB peak

Frequency Range (-6 dB)

30 Hz - 600 Hz

Dispersion

Omni

SYSTEM OPERATION

Recommended Amplification

3000 - 6000 Watts

System Controller

VAL DSP Solutions

Speaker Cables

Min - 2 x 4 mm²
Preferred - 2 x 6 mm²

PRODUCT FEATURES

Components

2 x 18" Low Frequency Driver

Crossover

Active - LPF - 80 - 110 Hz
HPF - 30 Hz

Connectors

2 x 4 pole speakON® connectors

Dimensions (H x W x D mm)

1205 x 615 x 750

Weight (kg)

116

Shipping Weight (kg)

126 (1 cabinet per carton)

Colour

Black

Rigging

Foot and cup stacking system

HARDWARE

Fitted as Standard

Foot and cups stacking system, Top hat, large
metal handles.

Additional Descriptive Data

Birch plywood construction, with durable
scratch resistant black textured paint finish,
kick-proof steel grille and black foam with VAL
logo.

**Recommended filter settings are available
on the website valaudio.com**