

X Series

XS-22 active

Active DSP subwoofer for mobile applications, 12",
1.500 W amp, 127 dB SPL max., 38 Hz – 130 Hz,
approx. 520 × 420 × 430 mm



X Series XS-22 active

The XS-22 active is a compact subwoofer with integrated class-D amplifier and Fohhn DSP. It provides optimal support to the compact speakers in the X, Linea, Arc and Focus series in the bass range. The sub is characterized by precise low-frequency reproduction, a high power rating and versatility.



Main features

- 12" long excursion driver
- Digital 1500 W class-D amplifier
- SPL max.: 127 dB
- Non-turbulent port design (NTP)
- 2 balanced signal inputs (XLR/jack plus link-out)
- 2 × Speakon outputs for passive tops and additional sub
- Built-in DSPs with speaker presets, EQ, delay, compressor/limiter, etc.
- Control via intuitive control panel with display or Fohhn Audio Soft
- High-quality wood enclosure (multiplex birch plywood)
- Available in RAL Classic, NCS or Pantone colours on request
- Optionally available with weatherproof PU coating

Available with the following color options



Black



White



Equipped with the following Fohhn technologies



Special colors
optional



Ball impact
resistant

Technical data

Electroacoustic features

acoustic design	vented design
components	1 × 12" long excursion
maximum SPL	127 dB
amplifier output	1.500 W
frequency range	38 Hz – 130 Hz

Features

enclosure	multiplex birch plywood
front design	acoustic foam
thread plate for distance piece	M20
protection grille	steel grille, ball impact resistant, powder-coated
weight	approx. 25 kg
standard colours	textured paint, black
handles	2 edge handle
transport wheels	none
dimensions (W × H × D)	approx. 520 × 420 × 430 mm

Optional features

optional colours	RAL Classic / NCS / Pantone on request
optional weather protection	polyurethane coating, water-repellent speaker cone impregnation

Electronic features

power supply	195 V – 250 V AC 50/60 Hz, max. 6A
temperature range	0 - 45°C
cooling	convection cooling, force cooling, if necessary temperature-controlled fan

Controller

digital signal processors	2
independent limiters	8
selective 3-band limiting	bass / mid / high
band-specific time constants	yes
filter technology	56-bit double precision
AD	AD/DA 24 bit / 48 kHz
controls	Select potentiometer, 4 buttons for DSP handling, ground/lift switch, Power on/off switch
indicator LEDs	4 line display, 2 × Signal/Clip LED, 2 × protect LED, receive/send remote LED

Remote control and remote monitoring

remote control	Fohhn Audio Soft, Fohhn-Net
remote monitoring	temperature, protect, signals

Connections

signal	Input jack, 2 × XLR link jacks
inputs	2 × XLR/jacks, multifunctional input jacks
mains	2 × Powercon Netzbuchse in und thru
outputs (for recording or stacking)	2 × NL4 Neutrik Speakon for Top Speaker and Slave Sub, from 130 Hz 2 × 4 ohms (stereo) or 1 × 8 ohms (bridge mode) mains

power rating (nominal/program): according to IEC-60268-5

power rating (peak); maximum SPL: peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2 at one octave above the lower limit of the frequency range

sensitivity: 2,83 V at 8 ohms (2 V at 4 ohms, 4 V at 16 ohms) at a distance of 1 m under anechoic fullspace conditions

frequency range: -10 dB under anechoic halfspace-conditions

weight: net weight without optional equipment

Intelligent Protection Circuit (IPC): voltage-controlled semiconductor circuit protecting the HF-driver against overload highly effective and with very short attack time

cut-off frequency: -10 dB under anechoic halfspace-conditions with speaker preset

heat dissipation: pink noise, 6 dB crest, 1/4 Pmax

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