

K&F SWi 112 – SP



- Compact 1 x 12" subwoofer with integrated driver and amplifier technology
- Bass reflex enclosure in direct radiation design with exponential tunnel geometry
- Suitable for fixed installations
- Max. SPL 123 dB (peak/1 m/half space)

The SWi 112 – SP is an active plug-and-play subwoofer of matchless performance and is as such the ideal bass supplement for the passive K&F speakers and the active models of the K&F SP series.

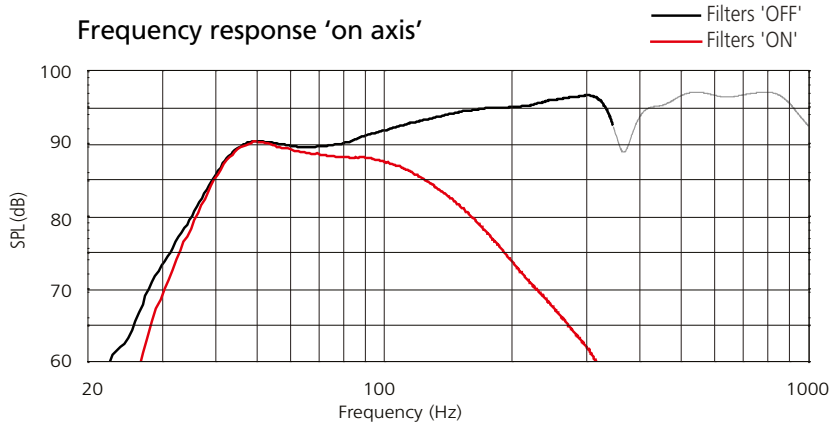
The precise, voluminous bass response which characterizes the SWi 112 – SP makes it suitable for a variety of uses where high quality and modest dimensions are the order of the day: in media and conference rooms, lecture halls, live clubs, as well as theatres, discotheques and exhibition booths. In parallel operation the SWi 112 – SP is impressive as part of a high-quality self-powered compact system, separately it can supplement passive K&F full-range systems, for example as an active mono subwoofer.

The innovative, fan-free system electronics weigh only 2.5 kg. They encompass the digital 1 kW Class D power amplifier and an elaborate limiter section with RMS and peak limiters. They take care of the system equalization and optimize the phase and frequency response and cut-off frequency.

12 concealed M12 thread inserts for suspended operations on ceilings or trusses are standard equipment.

The SWi 112 – SP is impressively versatile, is extremely compact and has an excellent power spectrum. As a professional active subwoofer a class of its own! Ideal for fixed installations of the highest standard.

Loudspeaker	
Design	Bass reflex system with exponential tunnel geometry and integrated driver and power amplifier technology
Lower cut-off frequency -10 dB	35 Hz (FILTERS 'ON')
Frequency range ± 3 dB	41 Hz - 350 Hz (FILTERS 'OFF'), 40 Hz - 120 Hz (FILTERS 'ON')
Max. SPL	123 dB (SPL peak/1 m/half room)
Components	12" long excursion chassis, 100 mm voice coil, internal and external ventilation
Input connectors	LINE IN: XLR 3-Pol female LINE OUT: XLR 3-Pol male, parallel zu LINE IN Pin 1=ground/Pin 2=+signal/Pin 3=-signal
Power connectors	1 x Neutrik PowerCon lockable, 1 x input and 1 x output
Input module	
Input sensitivity	+6 dB/1.55 Vrms for rated output
Input impedance	50 k Ω (balanced/unbalanced)
Common mode rejection	Min.: 74 dB, typical: 90 dB
Controls	Level control ± 6 dB, bypass switch for the active filters (for operations i.e. K&F System Controller), ground lift switch
Display	Bi-coloured LED: green=Power On, red=Limit/Protect
Driver circuit	High pass 32 Hz (-3 dB), 24 dB/octave (FILTERS 'ON'), Low pass 110 Hz (-6 dB), 24 dB/octave (FILTERS 'ON'), Phase correction, frequency equalisation (EQ), peak limiter, RMS limiter
Amplifier module	
Type	Class D
Power	1000 W @ 8 Ω (EIAJ)
Power bandwidth	10 Hz to 30 kHz
Damping factor	>500 (100 Hz), >100 (10 kHz)
S/N ratio	>105 dB (A)
Cooling	Air convection (without fan)
Protection circuits	Short circuit, over-temperature, clipping, overload
Supply voltage	230 V version: AC 195 – 250 V, 50/60 Hz
alternative	115 V version: AC 95 – 125 V, 50/60 Hz
Power consumption nominal	@ 230 V: 1.25 A @ 115 V: 2.5 A
Burst current (I _{rms} <500 ms)	@ 230 V: 7 A @ 115 V: 14 A
Idle Current	@ 230 V: 200 mA @ 115 V: 400 mA
Enclosure	
	15 mm birch plywood with highly resistable black structured paint (PU) in RAL 9005 (black), possibility of hanging by 12 x M12 thread inserts, ball proof steel grille with exchangeable acoustic foam (black) in front of the grille
Weight	29.5 kg
Colour	RAL 9005 (black)
Dimensions (W x H x D)	470 x 370 x 520 mm
Option	special finish in RAL colours
Accessories	see catalog or www.kling-freitag.com



All measurements under free field conditions. Frequency diagrams 1/6 octave averaged.
The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.

