

K&F SW 112 – SP



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

The SW 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 SW 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 SW 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.

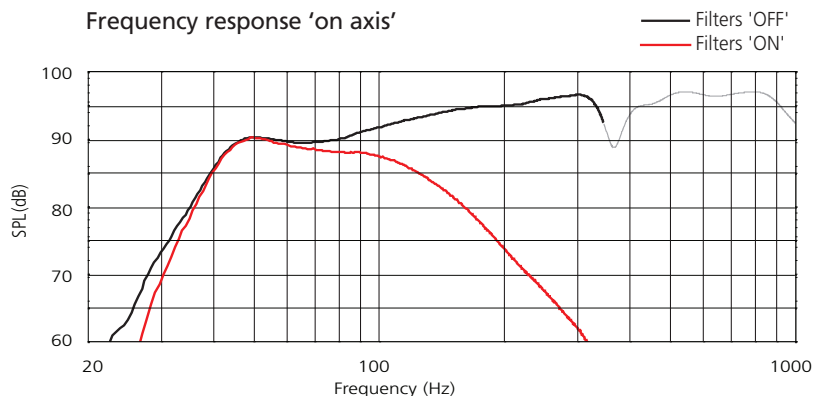
The innovative, fan-free system electronics weigh only 2.5 kg. They encompass the digital 1 kW Class D power amplifier and an elaborate limiter section with RMS and peak limiters. They take care of the system equalization, determine the cut-off frequency and optimize the phase characteristics.

As an option additional flying points are available for suspended operations on ceilings or trusses.

An ergonomic handle, the M 20 adapter for distance rods, and stacking feet with corresponding grooves are all standard equipment.

The SW 112 – SP is impressively versatile, is extremely compact and has an excellent power spectrum. As a professional active subwoofer a class of its own!

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 kΩ (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 multiplex with highly resistable structured paint (PU) in RAL 9005 (black), 1 ergonomic handle, K&M mounting plate M20 for distance pole, 4 non-abrasive plastic sliders, stacking grooves for stacking identical enclosures, 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
Options	'Suspension' 6 flying points 'allsafe Jungfalk', 'special finish in RAL colours'
Accessories	see catalog or www.kling-freitag.com



All measurements without 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.

