



# KLING FREITAG SONA SUB II Perfect Bass Complement Sound System Instruction Manual

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**KLING FREITAG SONA SUB II Perfect Bass Complement Sound System**



### **K&F SONA SUB II**

The K&F SONA SUB II is a subwoofer that is designed to complement the SONA series. It has an unobtrusive and compact appearance that can fit discreetly into any architecture. The subwoofer can be visually hidden or intentionally used as an element of interior design. With a depth of 48.5 cm, it can easily integrate into modern architecture. The SONA SUB II comes in standard colors of black (RAL 9005) and white (RAL 9010), and special RAL colors are also available. The front grille can be removed without the need for tools, providing access to a boring in the bass reflex tunnel for tuning purposes.

The bass-reflex tunnel of the SONA SUB II has received special attention during the conception process. The new construction of a T-tunnel allows for the required length for tuning low frequencies, despite its compact dimensions. The SONA SUB II enhances the sound experience in the lower frequencies in a precise and musical way, without imposing its own sound or introducing artifacts. When combined with the speakers of the SONA series, it provides a perfect sound for short-distance auditory. The SONA SUB II can be controlled by universal electronic frequency-separating filters (e.g. DSP) or by the specified K&F SystemAmps. It can be powered by any final amplifier with sufficient capacity. Its quick and visually pleasing integration into architectural environments, along with its convincing sound performance, makes it an economic, musical, and professional solution that satisfies high visual and acoustic requirements.

### **Specifications:**

- **Design:** Omnidirectional
- Operation with Frequency range without Filter
- Lower cut-off frequency
- Coverage
- Power handling nominal
- Power handling program
- Power handling peak
- Max. SPL
- Impedance nominal
- Loudspeaker per channel
- Components
- Connectors
- Enclosure Dimensions (W x H x D)

- Weight
- Colour Options
- Accessories

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

For further information, specifications, manuals, technical drawings, and data files for acoustic simulations, you can visit the official website of KLING & FREITAG GmbH at [www.kling-freitag.de](http://www.kling-freitag.de).

## Contact Information:

### KLING & FREITAG GmbH

- Wohlenbergstr. 5 D-30179 Hannover
- **Tel.** +49 (0)511 96 99 7-0
- **Fax** +49 (0)511 96 99 7-97

## Features

- Passive installation subwoofer 2 x 8", 2 x 8  $\Omega$  (2 ch)/4  $\Omega$  (1 ch)
- Two independent housing chambers for individual control (2 ch)
- Optimal bass complement for the K&F SONA series
- Top-design for integration in prestigious environments
- Controlled by universal electronic frequency- separating filter (e.g. DSP) or by the K&F SystemAmps
- Option XO works without a controller or crossover powered directly on a two channel amplifier with SONA full range speakers (high- and lowpass filter)

The subwoofer SONA SUB II is the perfect bass complement for the SONA series. It's unobtrusive and compact appearance fits discreetly into every architecture. The SONA SUB II may be visually hidden or intentionally be used as an element of interior design. The depth of 48.5 cm allows to integrate the SONA SUB II into modern architecture. The SONA SUB II is supplied in the standard colours black (RAL 9005) and white (RAL 9010). Optionally, special RAL colours are available.

The front grille may be removed without tool, giving access to a boring in the bass reflex tunnel for the securing of the speaker against fall down and theft. The SONA SUB II is connected by a speakON® NL4MPR or by a four-pole Phoenix connection. Connections are located in a large compartment on the back side, with enough space for cables, plugs and wall outlets, allowing a flush mounting with hidden cable access. During the conception, the bass-reflex tunnel received a particular attention. The new construction of a T-tunnel provides the required length for the tuning of low frequencies, in spite of the compact dimensions. The SONA SUB II does not impose its sound, but it is rounding off the sound experience in the lower frequencies, in a precise and musical way and free of artefact. This is why the SONA SUB II, together with the speakers of the SONA series, provides a perfect sound for short-distance auditory

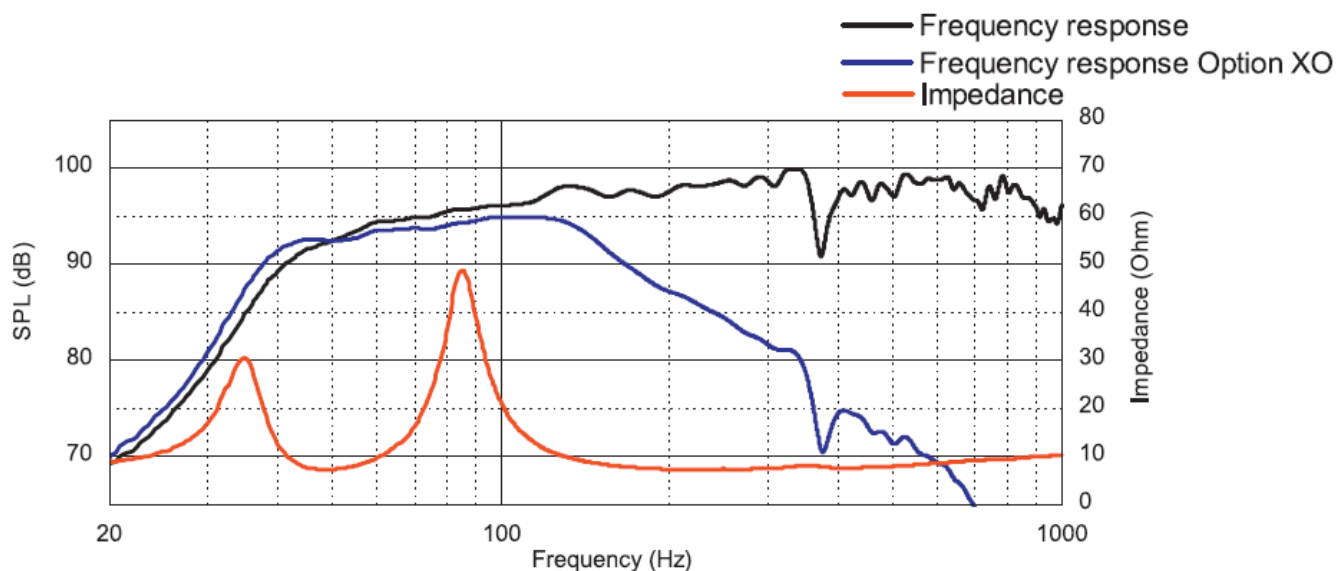
The SONA SUB II may be controlled by universal electronic frequency-separating filters (e.g. DSP) or by the specified K&F SystemAmps. The SONA SUB II may be powered by any final amplifier with sufficient capacity. The quick and visually pleasing integration of the SONA SUB II into architectural environments, combined with its convincing sound performance, are resulting in an economic, musical and professional solution which is satisfying even high visual and acoustic requirements.

## Specification

- Design Bass reflex system
- **Operation with**
  - K&F PLM+ Series
  - K&F D-Series
  - K&F IPX 1200 and 2400
  - Lab.gruppen IPD 24001
  - K&F SystemRack1
  - Passive with linear Amplifiers (Option 'XO')
- **Frequency range without Filter**
  - 60 Hz – 450 Hz (-10 dB)
  - 70 Hz – 400 Hz ( $\pm 3$  dB)
- **Lower cut-off frequency**
  - 32 Hz (-10 dB)
  - 42 Hz (-3 dB)
- Coverage Omnidirectional
- Power handling nominal 300 watts
- Power handling program 600 watts
- Power handling peak 1,200 watts
- Max. SPL 123 dB (SPL peak/1 m/half space)
- Impedance nominal  $2 \times 8 \Omega$  (2 ch)/ $4 \Omega$  (1 ch)
- Loudspeaker per channel See matrix
- Components 2 x 8" woofer with 50 mm voice coil
- Connectors 1 x speakON® 4-pol. NL4MPR (1+/1-) 4-pol. Phoenix connector
- **Enclosure**

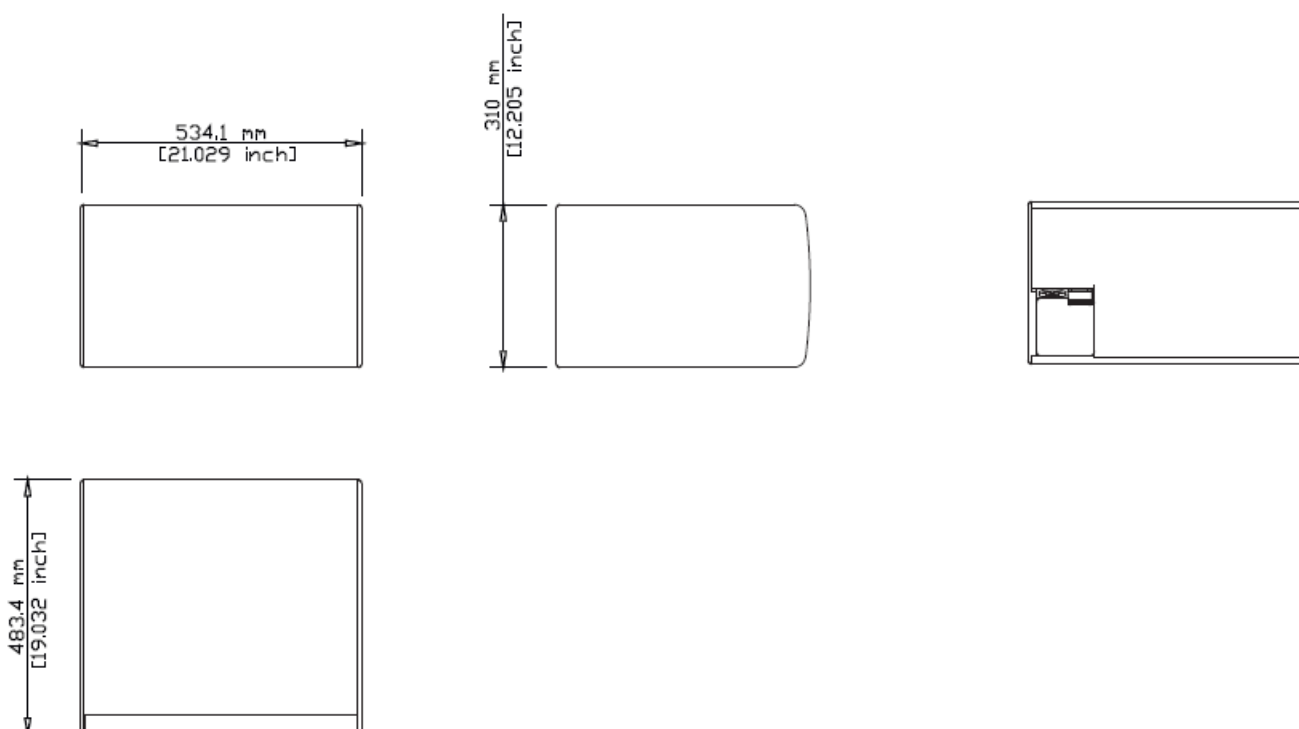
12 mm multiplex with high resistable structure paint (PU) in RAL 9005 (black) oder RAL 9010 (white), two independent chambers allow operation as a stereo subwoofer, perforated metal grille in enclosure colour that can be mounted and removed without tools
- Dimensions (W x H x D) 536 x 310 x 485 mm
- Weight 16.9 kg
- **Colour**
  - RAL 9005 (black)
  - RAL 9010 (white)
  - RAL special colour
- Options 'XO' (crossover with high- and lowpass filter)
- Accessories See catalogue or visit [www.kling-freitag.com](http://www.kling-freitag.com).

## Frequency



## Dimension


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



Further information and data like specifications, manuals, technical drawings as DWG, DXF and PDF files as well as data files for acoustic simulations with Ease and Ulysses are available on our web site [www.kling-freitag.de](http://www.kling-freitag.de).

## KLING & FREITAG GmbH

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	<p><a href="#">KLING FREITAG SONA SUB II Perfect Bass Complement Sound System</a> [pdf] Instruction M anual</p> <p>K F SONA SUB II, SONA SUB II, SONA SUB II Perfect Bass Complement Sound System, Perf ect Bass Complement Sound System, Complement Sound System, Sound System</p>
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References

-  [Home - Kling & Freitag Sound Systems](#)
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