The K&F ELA MK II is a compact full-range-highpower loudspeaker system with two powerful 8" transducers and a 1" soft-dome tweeter with flare. The full passive ELA Mk II gives high SPL for spoken word and music programme for short and medium throw applications. The low frequency response is strong and goes down to 75 Hz. Even at high sound pressure levels reproduction is without coloration and free of distortion.

The linear placement of the two 8" transducers gives a 40 degree vertical pattern which is perfect for a good nearfield saturation even in reverberant rooms. Even at a distance the ELA MK II sounds very direct. High power handling and high sensitivity are the base for respectable dynamic reproduction which makes the ELA MK II useful as a main P.A.-system. For music programme the use of a subwoofer is recommended (e.g. K&F SW115D-XO). The ELA MK II has a trapezoidal shape with two M8 points for a variety of mounting hardware and an internal pole mount. For special installations the ELA MK II can be ordered with custom rigging points and painted in RAL colours.

The integrated cross-over with RMS and peak HF driver protection provides a good and safe long term operation. Its reliability and performance make the ELA MK II very useful for high-end fixed installations, whether in 16 Ohm or in the 100 Volts 150 Watt version.

### Design
- 2-way passive-system, bassreflex tuning
- Frequency response -10 dB: 75 Hz - 18 kHz
- Frequency response ±3 dB: 110 Hz - 15 kHz
- Nominal coverage angles: 120° x 40° LF, 70° x 70° HF (hor. x vert.)
- Directivity index (DI): 8 (+3,5/-3) 630 Hz - 10 kHz
- Power handling: 150 Watt
- Sensitivity 1 W/1 m: 97 dB
- Max SPL: 124 dB (SPL peak/1 m)
- Components:
  - 8" woofer (2)
  - 1" soft-dome tweeter with ferrofluid on a short concentric horn
- Crossover: 3,0 kHz 12 dB/oct.
- automatic resetable tweeter protection
- Impedance: 16 Ω
- Connectors: 2 x Speakon NL4MP (1+/1-)
- Connectors 100 Volt version: barrier strip or 2 x Speakon NL4MP
- Additional descriptive data:
  - Trapezoid enclosure
  - 15 mm birch plywood with scratch proof polyurethane grey or black paint
  - 2 x M8 internal T-Nuts
  - internal pole mount K&M 19656
  - black painted perforated stell grille with black acoustical foam
- Dimensions: 267 x 557 x 290 mm (W x H x D)
- Weight: 15 kg
- Weight 100 Volt version: 16,7 kg
- Options:
  - 100 Volt version with toroidal transfomer (50/100/150 VA oder 30 VA),
  - variety of mounting hardware,
  - painted in RAL-colours
Excellent 2-way full-range loudspeaker system loaded with two 8" woofers and 1" soft dome driver with ferrofluid on a small flare. Integrated crossover with automatic resetable (HF) driver protection. Trapezoidal enclosure 15 mm birch plywood with scratch proof polyurethane paint grey, internal pole mount, 2 x M8 points for a variety of mounting hardware, easily exchangeable black painted perforated steel grille with black acoustical foam.

Technical specifications
- Frequency response: 75 Hz - 18 kHz (-10 dB), 110 Hz - 15 kHz (±3dB), Max SPL: 124 dB (SPL peak/1 m), Sensitivity: 97 dB (1 W/1 m), Power handling: 150 W,
- Impedance: 16 Ω, Dispersion pattern: 120° x 40° woofer, 70° x 70° tweeter (hor x vert), Directivity index: 8 (+3.5/-3) 630 Hz - 10 kHz, Connectors: 2 x Speakon NL4MP,
- Size: (W x H x D) 267 x 557 x 290 mm, Weight: 15 kg. Options: painted in RAL colours, 100 V version.

Model: Kling & Freitag ELA MKII

All measurements: Far field conditions. Frequency response 1/6 octave averaged, polar and directivity data 1/3 octave averaged. Kling & Freitag reserves the right to change all specifications without notice. We are not liable for misprints.

Architects’ & engineers’ specifications
Excellent 2-way full-range loudspeaker system loaded with two 8" woofers and 1" soft dome driver with ferrofluid on a small flare. Integrated crossover with automatic resetable (HF) driver protection. Trapezoidal enclosure 15 mm birch plywood with scratch proof polyurethane paint grey, internal pole mount, 2 x M8 points for a variety of mounting hardware, easily exchangeable black painted perforated steel grille with black acoustical foam.
Horizontal Polar Plots

- 200 Hz
- 250 Hz
- 315 Hz
- 400 Hz
- 500 Hz
- 630 Hz
- 800 Hz
- 1 kHz
- 1.25 kHz
- 1.6 kHz
- 2 kHz
- 2.5 kHz
- 3.15 kHz
- 4 kHz
- 5 kHz
- 6.3 kHz
- 8 kHz
- 10 kHz
- 12.5 kHz
- 16 kHz
Vertical Polar Plots