



# KU44

Ultra-thin, array-able bass element

## FEATURES

- Unique performance-to-size ratio
- Ideal for line array configurations
- 2 x 4" long-excursion woofers
- 2 x 4" passive radiators
- Extended frequency response
- Selectable impedance (8Ω / 32Ω)
- Weather proof, suitable for outdoor installations

## APPLICATIONS

- Line-array of subwoofer elements
- To extend the low range of a line array of mid-high speakers
- Conference halls, Houses of worships, Theaters
- Portable and installed AV systems

## ACCESSORIES

K-2SPK, K-FLY2, K-JOINT2, K-KUIP4, K-WALL2, K-WALL2W, K-WALL2L, K-WALL2LW

## COLORS AVAILABLE

BLACK  WHITE 



## DESCRIPTION

K-array has created a thin subwoofer to complement its notable Slim Array Technology (S.A.T.) incorporated in its speakers. The KU44 line array element is an extremely compact, array-able bass element designed to combine with mid-high speakers to provide a full range frequency response with prodigious output in a virtually invisible profile.

The line source sub has a frequency range of 50 Hz to 150 Hz and is comprised of two 4" neodymium transducers and two 4" passive radiators engineered for maximum linear excursion and minimum residual noise.

For easier use and integration with all KA amplifiers, the KU44 allows the user to choose between two different values of impedance (8/32 Ω). At 32 Ω as many as eight KU44 can be powered off a single KA84 amplifier channel.

KU44 is made entirely of steel, making it extremely resistant, even when deployed

outside in tough weather conditions. This is ideal for aquatic environment applications where ordinary bass speakers would corrode. The impregnable frame cannot be penetrated by foreign objects like dust, sand or water, which over time can damage an ordinary audio element.

A variety of dedicated hardware accessories provide architects with numerous mounting options for permanent and portable installations best suited for theatres and other venues where invisible line arrays are ideal.

Installing a line array of KU44 subwoofers to the side or behind a line array of Kobras creates a full-range sound source with true line-array characteristics down to 50 Hz.

All KU44 components are designed by the K-array R&D department and custom made under the K-array quality control system.

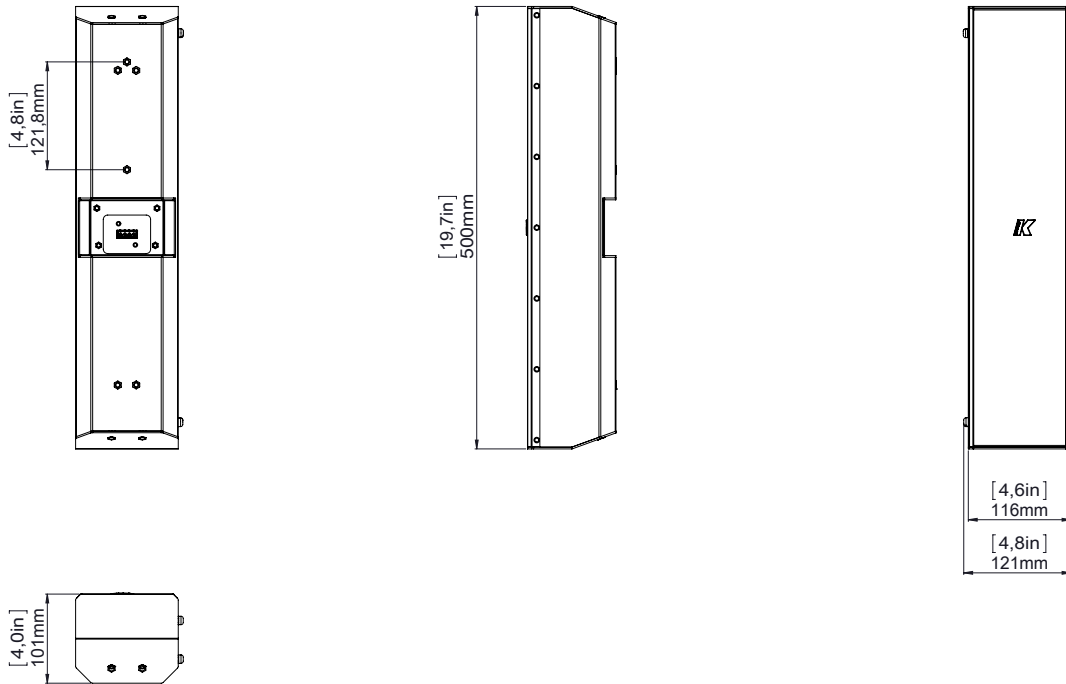


|                          |   |            |   |
|--------------------------|---|------------|---|
|                          | <b>ACOUSTICS</b>                              |            | <b>TRANSDUCERS</b>  |
| Power handling           | 2 x 60 W                                      | Type       | 2 x 4" Neodymium magnet with 1" voice coil                |
| Impedance                | 8 / 32 Ω selectable (2 x 16 Ω)                | Type       | 2 x 4" passive transducer                                 |
| Frequency range (-10 dB) | 50 Hz – 150 Hz <sup>(1)</sup>                 |            | <b>POWER AUDIO IN/OUT</b>                                 |
| SPL 1W/1mt               | 84 dB <sup>(2)</sup>                          | Connectors | 1 x 4-pin phoenix connector                               |
| Maximum SPL              | 110 dB (cont.) – 116 dB (peak) <sup>(3)</sup> |            | <b>RECOMMENDED AMPLIFIERS</b>                             |
|                          | <b>COVERAGE</b>                               | Type       | KA14, KA24  |
| Horizontal               | omni  |            | <b>CERTIFICATION</b>                                      |
| Vertical                 | omni  | IP         | 54 (More complete water protection with K-KUIP accessory) |
|                          | <b>CROSSOVER</b>                              |            | <b>PHYSICAL</b>   |
| Type                     | External crossover required                   | Dimensions | 11.6 cm x 50.0 cm x 10.1 cm<br>(4.6" x 19.7" x 4.0")      |
| Frequency                | Low pass @ 150 Hz                             | Weight     | 5.9 kg (13.0 lbs)   |

Notes for data

1. With dedicated preset
2. Measured @ 4 mt then scaled @ 1 mt
3. Measured with musical signal

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.



ARCHITECT SPECIFICATIONS

The passive subwoofer shall be an ultra-thin, array-able bass element boasting an impressive performance-to-size ratio. The line source sub shall feature two 4" long-excursion Neodymium magnet woofers each with a 1" voice coil and two 4" passive radiators to extend the low range of a line array of mid-high speakers.

The subwoofer shall be entirely made of steel with a completely sealed frame making it impregnable to foreign objects including

dust, sand and water — ideal for extreme weather conditions, even aquatic environment applications.

The size of the frames shall create a virtually invisible profile when combined in a line array configuration. Its hidden connector shall be a 4-pin Phoenix connector.

The power handling capacity shall be 2 x 60 W. The frequency response (+/- 3dB) measured on axis shall be 50Hz to 150Hz

with a maximum sound pressure of 116 dB (peak). The dimensions (WxHxD) shall not exceed 11.6 x 50.0 x 10.1cm (4.6" x 19.7" x 4.0") and shall weigh no more than 5.9 kg (13.0 lbs).

The loudspeaker shall be the KU44 or the KU44W (in white) by K-array.