



user's manual

**INTRODUCTION** The KZ10 is a remarkable ultra micro line array designed for discreet use in a variety of situations such as restaurants, bars, museums etc. . .

This rugged enclosure contains a line array of 4 x 0.5" long excursion, full range drivers housed in a sleek case built around a super strong chassis. The high efficiency drive units have neodymium magnet structures and suspensions engineered for maximum linear excursion and minimum residual transducer noise. This miniature slim column is a mere 1.7cm deep and delivers true crystal clear audio with an amazing output of 92dB continuous; remarkable from such a minuscule enclosure. The system delivers long throw and coherent coverage making it ideal for use in space constrained situations. Up to four KZ10's can be integrated to the KKS50 sub bass, extending the frequency range to 35Hz.

The KZ10 weighs a mere 90g and measures 2.2 x 10 x 1.7cm. All the components are designed in-house at our Florence based R&D department. They are custom manufactured to our exacting standards and quality control.

UNPACKING Each K-array loudspeaker is built to the highest standard and thoroughly inspected before leaving the factory. After unpacking the system, examine it carefully for any signs of transit damage and inform your dealer if any such damage is found. It is suggested that you retain the original packaging so that the system can be repacked at a future date if necessary.

Please note that K-array and its distributors cannot accept any responsibility for damage to any returned product through the use of non-approved packaging.

PARTS LIST

- 1 x KZ10 (1)
- 2 x Steel wall brackets (2)
- 2 x M3x6 mm Allen Screws (3)
- 2 x Essential User's Manual (4)
- 1 x Biadhesive rubber

**SAFETY** It is important that loudspeaker systems are used in a safe manner.

Professional loudspeakers are capable of producing extremely high sound levels and should be used with care. Hearing loss is cumulative and can result from levels above 90dB if people are exposed for a long period.

Never stand close to loudspeakers driven at high level.

Be aware that speakers producing very high power levels can move or creep. To avoid this, place friction material between the floor and speaker.

WARNING: Suspending the system should only be done by qualified personnel following safe rigging practices. Secure fixings to the building structure are vital. Seek help from architects, structural engineers or other specialists if in any doubt.

Do not operate the speaker for an extended period of time with the sound distorting. This is an indication of malfunction, which in turn can cause heat to generate and result in a fire.

WARRANTY K-array KZ10 are warranted against manufacturing defects in materials or craftsmanship over a period of 2 years from the

date of original purchase. During the warranty period K-array will, at its discretion, either repair or replace products which prove to be defective provided that the product is returned in its original packaging, shipping prepaid, to an authorised K-array service agent or distributor. K-array cannot be held responsible for defects caused by unauthorised modifications, improper use, negligence, exposure to inclement weather conditions, act of God or accident, or any use of this product that is not in accordance with the instructions provided by K-array.

K-array is not liable for consequential damages.

This warranty is exclusive and no other warranty is expressed or implied.

This warranty does not affect your statutory rights.

FEATURES

- Multiple 0.5" long excursion full range drivers
- Wide range frequency response
- Integrated connector
- Full aluminium ultra strong frame
- Available in Black or White
- High dynamic range capability
- Only 90g of weight

APPLICATIONS

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio museum displays
- Space-sensitive fill for broadcast

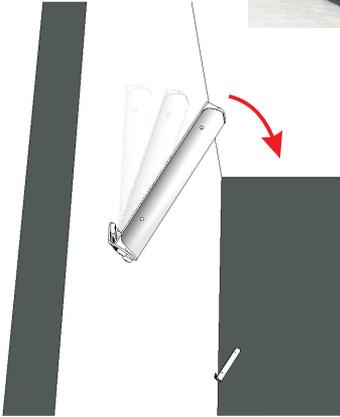
CONNECTION MODES

A - Solder the cable on terminals **in+**, **in-**

OR

B - press the cable with isolated silicone screws on terminals **in+**, **in-**

INSTALLATION



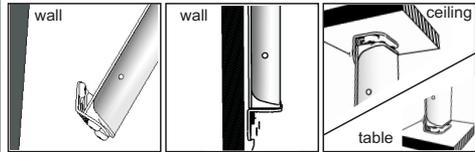
Wall bracket

1. Fix the bracket to the mounting surface using the screws and wall anchors included.

2. Connect the cable to the device

3. Use the included screws to fix the device to the positioned bracket

4. Bend the bracket to the desired angle.



SERVICE

Cleaning:

- Clean the product enclosures using only a soft, dry cloth.
- Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives.
- Do not use any sprays near the product or allow liquids to spill into any openings.

To obtain service:

- 1) Contact the official K-array distributor in your country. You will be directed to an authorized service centre.
- 2) If you are calling for service, have the serial number(s) of the unit(s) at hand for reference.
- 3) If the problem cannot be resolved over the phone, you must return the unit for service.
- 4) You will be given an RA (Return Authorization) number for job tracking. Refer to this number on shipping materials and in all correspondence concerning the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized K-array service center.

SPECIFICATIONS

Notes for data

1. Power handling is measured following AES standard conditions: transducers driven continuously for two hours with a band-limited noise signal having 6 dB of crest factor.
2. Max power is the maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard.
3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
4. Free field measured with 1/3 octave frequency resolution at 2 mt.
5. Measured @ 4 mt then scaled @ 1 mt.
6. Measured with audio source @ 1 mt.

Acoustics	
Power handling	8 w ⁽¹⁾
Max power	15 w ⁽²⁾
Impedance	16Ω
Operating frequency range	350 Hz - 18 KHz +/- 3dB (DSP Dependent) ⁽³⁾
Frequency range	250 Hz - 18 KHz +/- 3dB (DSP Dependent) ⁽⁴⁾
SPL 1W/1mt	82 dB ⁽⁵⁾
Maximum SPL	92 dB continuous - 98 dB peak ⁽⁶⁾
Coverage	
Horizontal	140°
Vertical	20°
Cross over	
Type	External crossover required
Frequency	250Hz 24dB/oct minimum suggested
Transducers	
Full range	4 x 0.5" Neodymium speaker with 0.5" voice coil
Audio input	Screw/solder terminal
Recommended amplifier	
Single ended	KA7 and KA7-7 to drive up to 4 KZ10 per channel
Physical	
Dimensions	2.2 x 10 x 1.7 cm (0.9 x 3.9 x 1.7 in)
Weight	90g (0.2 lbs)



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