

# K1m

 ( ACTIVE 2- WAY MONO SYSTEM )

## ADVANTAGES

- ☐ Loudspeakers designed to enhance the quality of any instrument included the most important of all: the human voice
- ☐ Wide and uniform coverage
- ☐ Great versatility
- ☐ Multi-layered birch and aluminium , with black scratch-resistant
- ☐ Class D Amplifier , DSP controlled , High efficiency and 4 preset for various applications

## APPLICATIONS

- ☐ Band
- ☐ Ensamble
- ☐ Dj
- ☐ Audio-Video presentation
- ☐ Soloists
- ☐ Pianobar
- ☐ Amplification for Church
- ☐ Speech

**ERJK**

# K1m ( ACTIVE 2- WAY MONO SYSTEM )

K1m is a mono amplifying system, which is small sized and easy to carry system.

It is designed to meet the needs of musicians, singers, DJs and conference room speakers. It offers a high sound quality both in closed and open spaces.

This is due to the detailed configuration of the "top" of the loudspeakers, which are placed in an array configuration. Guaranteeing a uniform and powerful sound diffusion when used in small or average-size locations.

The system consists of a bass-reflex "SUB" speaker, equipped with a 12" woofer; two class "D" amplifiers with a total power of 2000 watts, controlled by a powerful DSP and a "TOP" speaker, containing nine 3.5" full-range transducers equipped with neodymium magnets.

The first 1000 watts amplifier drives the 12" woofer, which is placed in the "SUB" speaker. The second 1000 watts amplifier, whose output power is electronically limited to 500 watts, drives the "TOP" mid-range and high frequencies speaker.

DSP accurately handles the audio signal thanks to its functions of equalization, filtering, delay, limiter and protection functions, without altering its phase. Thanks to the technology of FIR filters, furthermore, it enables users to choose between four preset equalization settings, in order to adapt the system output in all situations. Such characteristics, together with the attention in choosing all used components, marks the difference between a high standard product, which is meant for professional use, and an average product.

The "TOP" unit for the mid-range and high frequencies consists of a vertical aluminum speaker, protected by a scratch-resistant paint, in which nine 3.5" full-range transducers with neodymium magnets have been installed. The very thin shape of the box walls avoids the acoustic diffractions, thanks to its extremely short distance between drivers, averaged in an array configuration. This offers a wider sound diffusion, with a minimum loss of sound pressure in the whole front.

The institutions and the instructions elaborated from the ERJK Research and Development Department produce a sound of incomparable quality for medium-high frequencies.

The 3.5" transducer of the "TOP" box is one of ERJK's strongest elements. This product, exclusively designed, developed and assembled by the company is used on all LIVE "k" products. The sound of any instrument or vocal tone is thus reproduced with unreachable loyalty.

The "SUB" speaker is equipped by a 12" woofer and protected by scratch-resistant paint. The perfect efficiency of the bass-reflex system is granted by the big triangular openings placed in the front, and in the four corners of the speaker, which are equidistant from the woofer.

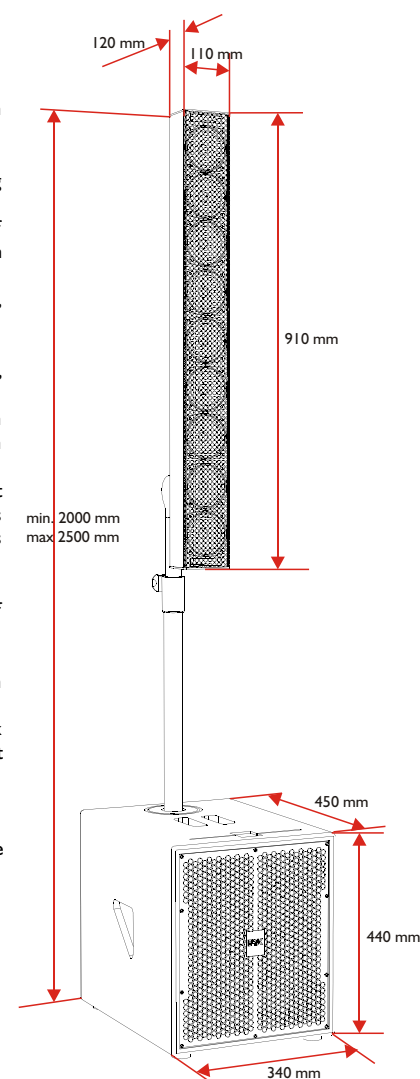
This solution prevents internal turbulences to arise, and provides a uniform rear-load, which is perfectly phased with the driver.

Using such triangular openings ensures both physical strength as well as structural solidity.

The 12" woofer of "SUB" is a transducer, which is also an in-house product, equipped with a neodymium magnet and a wide range 4" coil, capable of standing very high incoming power.

The top is designed to support the "TOP" speaker through a metal flange, on which is screwed onto the support stand.

The K1m full weight is only 20.9 Kg.



## WHAT YOU CAN FIND IN THE KIT K1m :

- n. 01 sub units K1m - n.01 travelling case for sub units
- n. 01 top units K1m - n.01 connection stand between the top units and sub units
- n. 01 travelling case for top units and connection stand - n. 01 power cable for the amplifier
- n. 01 speaker cable between the sub units and the top units - n. 01 instruction manual

## SPECIFICATIONS

### K1m TOP

### K1m SUB

ACUOSTIC	Frequency Response	150-16000 Hz	45-150 Hz
	Maximum SPL Output Level	123 dB	122 dB
	Crossover Frequency	150 Hz	150 Hz
	Sensitivity (dB SPL 1W/1mt)	99 dB	92 dB
	Power RMS	500 W	1000 W
LOUDSPEAKERS	Loudspeakers	9 x 3.5"	12"
	Magnet Material	neodymium magnet	neodymium magnet
	Nominal Impedence	8 Ohm	8 Ohm
PHYSICAL	Cabinet	Alluminium	Multy-layered birch
	Varnish	Black scratch-resistant	Black scratch-resistant
	Height	91 cm	41 cm
	Width	11 cm	33 cm
	Depth	12 cm	48 cm
	Weight	6,5 kg	20,9 kg
AMPLIFIER	Power Supply	AC 230/115 +/-10% 50/60 Hz	AC 230/115 +/-10% 50/60 Hz
	Amplification	Classe D Amplifiers	Classe D Amplifiers
	Connections	Speakon	XLR
	Power output of the amplifier	1000W (1KHz, 1% THD)	1000W (1KHz, 1% THD)
	Limiter	Yes, limited to 500 W	Yes, limited to 1000 W
	Protection	Termal and shot-circuit	Termal and short-circuit
	Cooling	Temperature controlled fan	Temperature controlled fan

