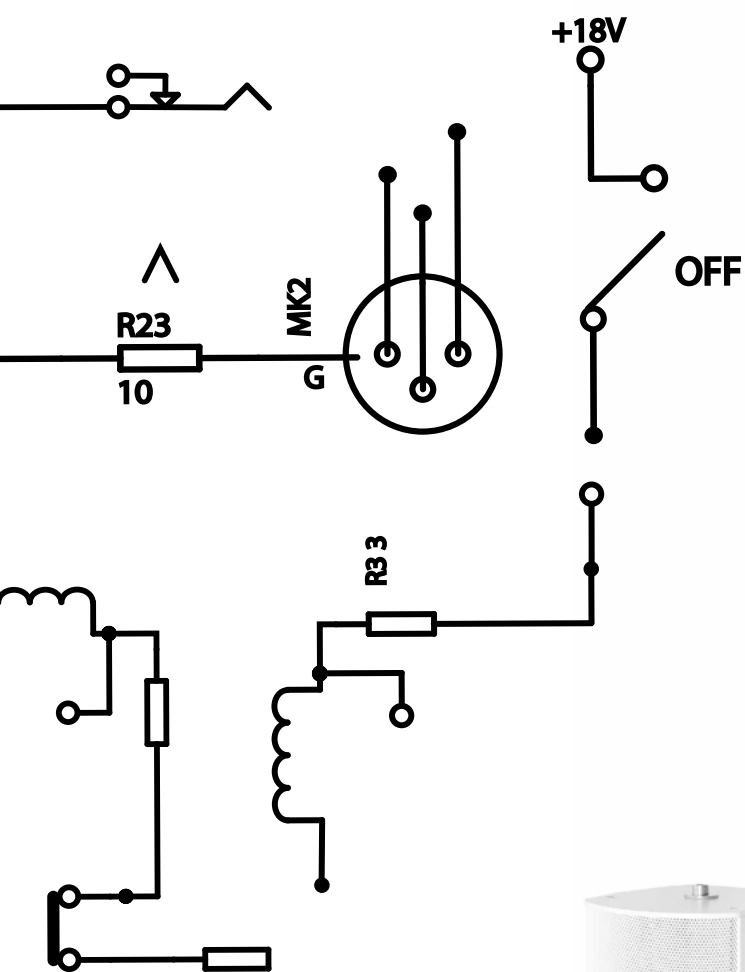
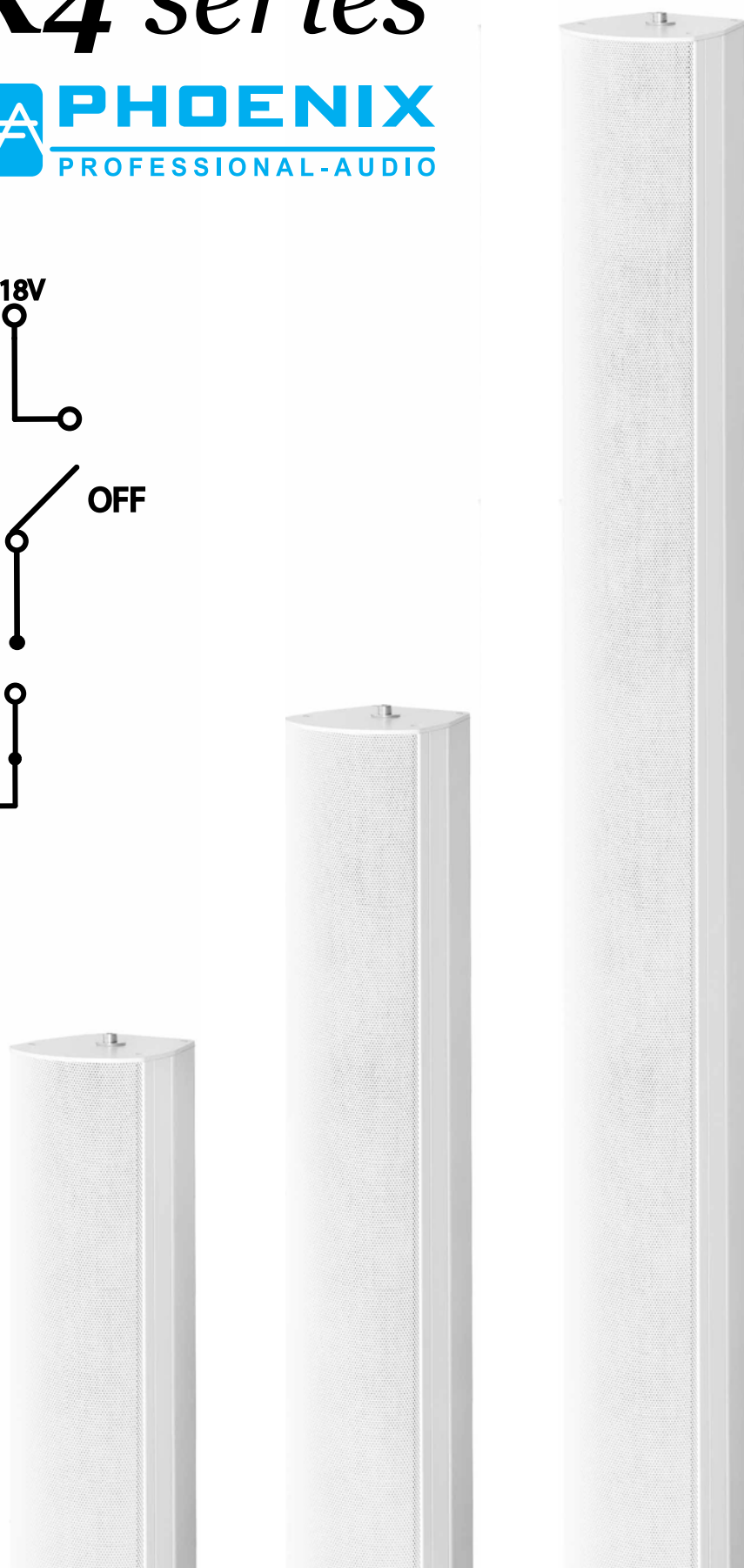


PASSIVE DIRECTIONAL SOUND COLUMNS

# *K4 series*



**K4-F series** – with 3.5" ferrite chassis  
**K4-N series** – with 3.5" neodymium chassis



# K4 SERIES

## Passive directional sound columns

**HIGH EFFICIENCY** **CONSTANT DIRECTIVITY**

**K4-F series** – with 3.5" ferrite chassis  
**K4-N series** – with 3.5" neodymium chassis

Professional sound columns, especially developed for the sound transmission in acoustically difficult rooms with long reverberation times like cathedrals, churches and conference buildings and for various public buildings.

The **K4 speaker systems** are characterized by their very natural and balanced sound quality.

An even volume and excellent speech intelligibility in the entire sound reinforcement are just a few advantages of these sound columns. Specifically directed sound radiation in the vertical plane causes an increased directivity and a broader frequency response.

The frequency-independent directional sound radiation of the K4 speaker series is solely limited to the listener area and thus provides the highest acoustic natural speech reproduction.

The housing of special shaped aluminum profile is very stable and elegant in its design and fits perfectly to each surrounding.

Using the included mounting brackets, mounting of the directional column speakers is easy.

Standard color: white RAL 9016. On customer's request the housing can be powder-coated acc. to RAL colour samples.

Fig.: K4-10, side view



Fig.: K4 series, bottom view

**Further details - Online shop**



[K4 series >>](#)



### Model types

- 5 **K4-10 F or N** ..... Professional sound columns<sup>1</sup>
- 4 **K4-20 REG F or N** ..... Professional sound columns<sup>1</sup>
- 3 **K4-30 F or N** ..... Professional sound columns<sup>2</sup>
- 2 **K4-40 F or N** ..... Professional sound columns
- 1 **K4-60 F or N** ..... Professional sound columns
- K4-80 F or N** ..... Professional sound columns
- K4-100 F or N** ..... Professional sound columns

<sup>1</sup> Perfectly suitable as controlling speaker for monitoring i.e. in the altar area  
<sup>2</sup> The best solution as front sound system

**K4 SERIES** - Continued on the following page →

**K4 SERIES** - Continued from previous page**K4-F series – with 3.5“ ferrite chassis**

Technical data		K4-10F		K4-20REGF		K4-30F		K4-40F		K4-60F		K4-80F		K4-100F	
1/1 power	Imp.	10W	1kOhm	20W	500Ohm	30W	333Ohm	40W	250Ohm	60W	166Ohm	80W	125Ohm	100W	100Ohm
1/2 power	Imp.	5W	2kOhm	10W	1kOhm	15W	666Ohm	20W	500Ohm	30W	333Ohm	40W	250Ohm	50W	200Ohm
1/4 power	Imp.	2.5W	4kOhm	5W	2kOhm	7.5W	1,33kOhm	10W	1000Ohm	15W	666Ohm	20W	500Ohm	25W	400Ohm
Number of full range speakers (3.5“) ferrite		1pcs.		2pcs.		3pcs.		4pcs.		6pcs.		8pcs.		10pcs.	
Number of high frequency Speakers neodymium *)		—		—		1pcs.		1pcs.		1pcs.		2pcs.		2pcs.	
SPL(1W/1m) [dB]		87		90		91		92		94		96		98	
SPL(max) [dB]		104		105		106		107		111		115		117	
Acoustic sound pressure at max SPL (pink noise) IEC 60268-1	92dB	used as a control loudspeaker		used as a control loudspeaker		5m		9m		12m		15m		18m	
	95dB					3m		6m		9m		12m		15m	
Frequency response (+/-3dB)[Hz]		135 ÷ 18k		135 ÷ 18k		130 ÷ 18k		130 ÷ 18k		125 ÷ 18k		120 ÷ 18k		110 ÷ 18k	
Opening angle in horizontal plane		90° (-6dB, 1kHz ÷ 8kHz)		90° (-6dB, 1kHz ÷ 8kHz)		90° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)	
Opening angle in vertical plane		90°		60°		40°		35°		30°		25°		20°	
Power supply		100V		100V		100V		100V		100V		100V		100V	
Dimensions: H/W/D (mm)		145/95/113		269/95/113		450/95/113		550/95/113		800/95/113		1020/95/113		1200/95/113	
Weight		0.7kg		1kg		2kg		4.5 kg		8.5 kg		11 kg		13.5 kg	

**K4-N series – with 3.5“ neodymium chassis**

Technical data		K4-10N		K4-20REGN		K4-30N		K4-40N		K4-60N		K4-80N		K4-100N	
1/1 power	Imp.	10W	1kOhm	20W	500Ohm	30W	333Ohm	40W	250Ohm	60W	166Ohm	80W	125Ohm	100W	100Ohm
1/2 power	Imp.	5W	2kOhm	10W	1kOhm	15W	666Ohm	20W	500Ohm	30W	333Ohm	40W	250Ohm	50W	200Ohm
1/4 power	Imp.	2.5W	4kOhm	5W	2kOhm	7.5W	1,33kOhm	10W	1000Ohm	15W	666Ohm	20W	500Ohm	25W	400Ohm
Number of full range speakers (3.5“) neodymium		1pcs.		2pcs.		3pcs.		4pcs.		6pcs.		8pcs.		10pcs.	
Number of high frequency Speakers neodymium *)		—		—		1pcs.		1pcs.		1pcs.		2pcs.		2pcs.	
SPL(1W/1m) [dB]		89		92		93		94		96		98		100	
SPL(max) [dB]		106		107		108		109		113		117		119	
Acoustic sound pressure at max SPL (pink noise) IEC 60268-1	92dB	used as a control loudspeaker		used as a control loudspeaker		5m		9m		12m		15m		18m	
	95dB					3m		6m		9m		12m		15m	
Frequency response (+/-3dB)[Hz]		135 ÷ 18k		135 ÷ 18k		130 ÷ 18k		130 ÷ 18k		125 ÷ 18k		120 ÷ 18k		110 ÷ 18k	
Opening angle in horizontal plane		90° (-6dB, 1kHz ÷ 8kHz)		90° (-6dB, 1kHz ÷ 8kHz)		90° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)		120° (-6dB, 1kHz÷8kHz)	
Opening angle in vertical plane		90°		60°		40°		35°		30°		25°		20°	
Power supply		100V		100V		100V		100V		100V		100V		100V	
Dimensions: H/W/D (mm)		145/95/113		269/95/113		450/95/113		550/95/113		800/95/113		1020/95/113		1200/95/113	
Weight		0.5kg		0.8kg		1.2 kg		3kg		5 kg		7 kg		9 kg	

\*) Special high-efficiency HF ball-dome systems with high sound pressure

- Excellent speech intelligibility
- Very natural and balanced sound quality
- Constant directional characteristics
- Specially shaped aluminum profile
- Elegant design
- Mounting brackets
- High sound pressure
- Special RAL powder coating possible

**Specials**

Fig.: K4 series, on customer request also available in black color or other RAL colors





Fig.: Mounting example with K4-80 sound columns.

# Contact



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