

TECHNICAL SPECIFICATIONS

POLAR 10 System

Max. SPL peak calculated	126 dB half space
Frequency response +/- 10 dB	38 - 20 kHz
Power amp output	2.000 W
Bluetooth	5.0
Housing	Birch multiplex / ABS
Mixer	2 x Mic/Line, 1 x Instrument, 1 x Aux/Bluetooth
Overall height	213 cm
Weight	26.9 kg / 59.3 lbs

POLAR 10 Subwoofer

Bass woofer	1 x 10", 2" voice coil
Dimensions (WxHxD)	36.6 x 62.5 x 54.1 cm
Weight	21 kg / 46.2 lbs

POLAR 10 Mid/High Unit

Mid speaker	6 x 3", 3/4" voice coil, neodymium
HF driver	1 x 1", 1" voice coil
Horn directivity	120° x 30°
Dimensions (WxHxD)	10.8 x 82.5 x 9.8 cm
Weight	3.9 kg / 8.6 lbs

POLAR 10 Spacer

Dimensions (WxHxD)	10.8 x 82.5 x 9.8 cm
Weight	2 kg / 4.4 lbs

POLAR 10 comes complete with a padded gig bag for the two columnar elements and a padded protective cover for the subwoofer.



Naturally, you can use two POLAR 10 systems to configure a stereo setup.



THE SOUNDMAKERS

POLAR 10

PUT YOUR SOUND IN POLE POSITION >



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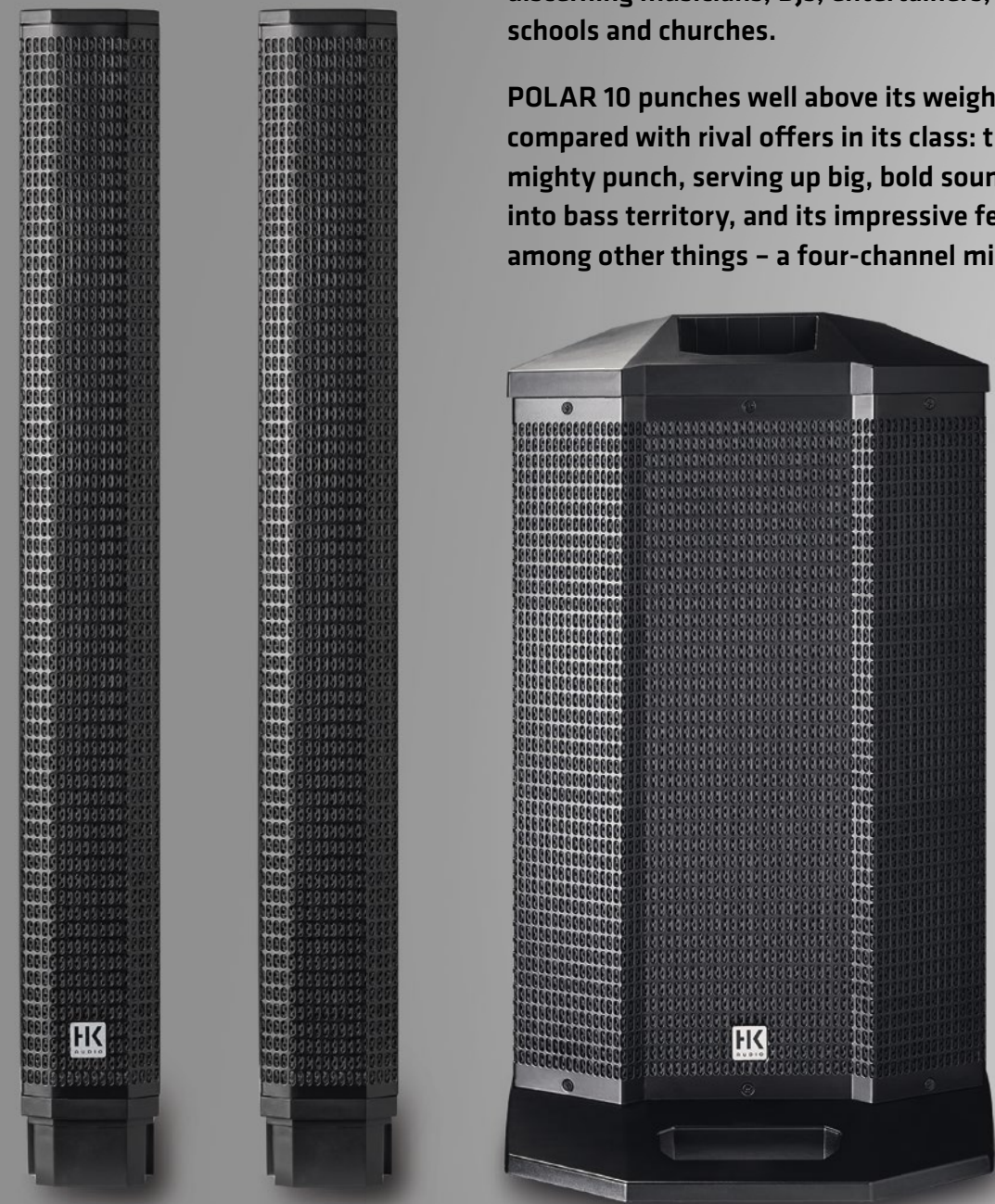
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POLAR 10

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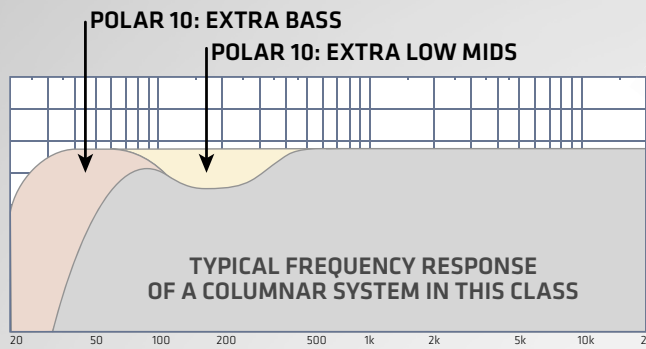
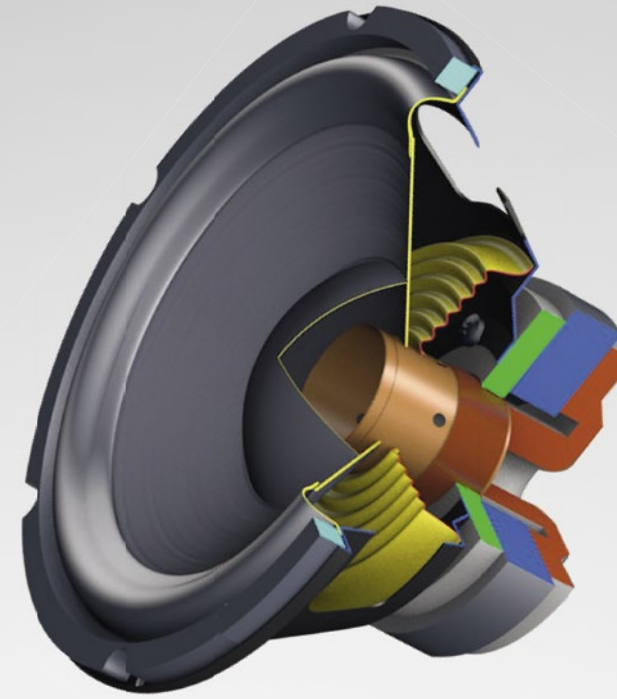
POLAR 10, HK Audio's new columnar system, is an all-in-one sound reinforcement solution tailor-made for discerning musicians, DJs, entertainers, business speakers, schools and churches.

POLAR 10 punches well above its weight, particularly when compared with rival offers in its class: the system packs a mighty punch, serving up big, bold sound that ranges deep into bass territory, and its impressive feature set boasts – among other things – a four-channel mixer and Bluetooth 5.0.



AN XXL AUDIO EXPERIENCE

The 24-bit DSP, paired with premium speakers, delivers exceptionally transparent, natural sound across the entire frequency range, from thumping lows to shimmering highs. A generously appointed 2,000-watt power amp drives the 1" CD horn, high-performance midrange drivers and a specially developed, long-throw bass woofer housed in an acoustically engineered wood cabinet. This combination serves up an XXL audio experience in every scenario. Anything goes, from sedate background music to accompany dinner to romping, stomping sound for the spirited high point of the event.



SWEET SOUND ALL AROUND

With its expansive 120° throw pattern and remarkable feedback resistance, POLAR 10 goes wherever you want it, be that on stage or in the room. In many cases, you can do without a stage monitor altogether. POLAR 10 can also be easily set up on raised stages and the like, simply by removing the lower column element – which is a spacer – to keep its directivity aligned with your audience. Loud on the dance floor, assertive in the front rows and conversation-friendly at the back of the room, POLAR 10's sound pressure gradually tapers to treat everyone in the room to a satisfying sonic experience.

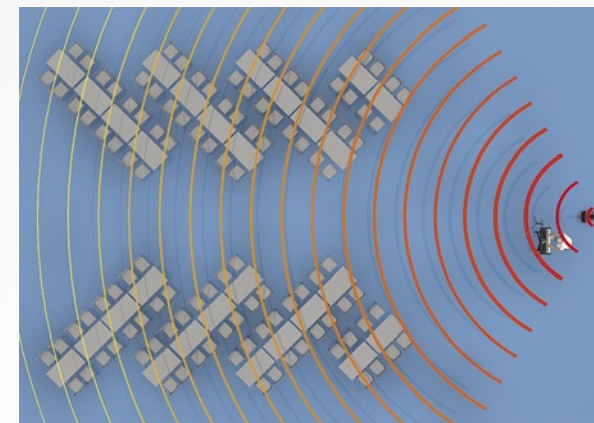


Fig. A

Fig. A: Positioning POLAR 10 in any venue is incredibly simple due to the system's wide angle of sound dispersion, its homogeneous volume distribution, and its excellent resistance to feedback.

Fig. B: When POLAR 10 is placed on the floor, the subwoofer, the spacer and the mid/high unit provide the ideal vertical orientation for a standing and/or sitting audience. When set up on a raised stage, the optimum height is achieved by removing the spacer.

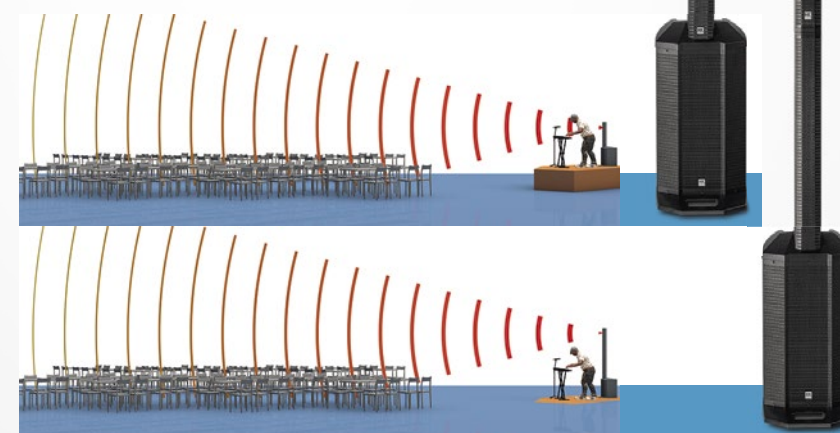


Fig. B

5 CUSTOMER PROGRAMMABLE MASTER PRESETS

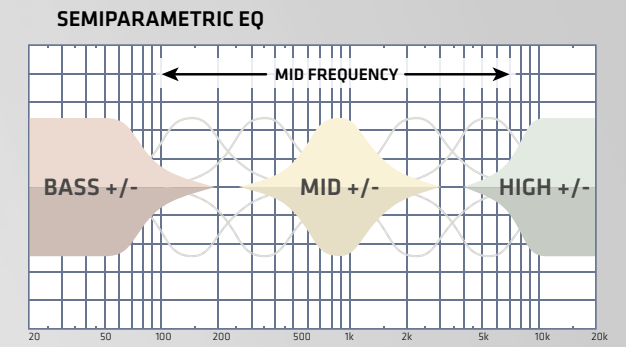
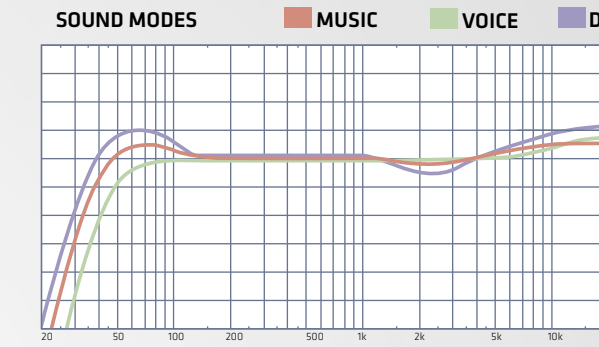
BUILT-IN FOUR-CHANNEL MIXER

The built-in four-channel mixer provides plenty of connections for many applications – two channels for microphone or line signals, a special instrument channel, for an acoustic guitar or similar, and an Aux channel for pre-recorded music.

POLAR 10 also renders audio streams wirelessly via Bluetooth 5.0, which has four times the range of earlier versions.



Three sound modes (Music, Speech, and DJ) and the semiparametric master EQ allow users to simply and effectively adjust POLAR 10's sound. In addition, up to five sound settings can be stored as User Presets, which can be recalled when needed.



For events in extremely large rooms or outdoors, POLAR 10 can be conveniently used as a delay speaker. Using the integrated display, users can set the distance from the main PA to the POLAR 10 system, and the DSP automatically calculates the appropriate delay time.



The volume controls for the four channels, the master volume and the subwoofer are directly accessible in all operating situations. Settings that are required less frequently, such as the semiparametric master EQ, are accessed via a rotary push-button and the easily readable display.

The newly-developed E.A.S. Connect System connects POLAR 10's three main components comfortably, safely and without wobbling; cables are not required.

