Azimut

PRELIMINARY DATASHEET

DESCRIPTION

Invisible solutions are the cornerstone of the K-array brand. To meet clients' ever-changing needs, we often need to change direction to align with our true north, which is why we have created the Azimut.

Composed of two 10cm-long Lyzard loudspeakers, an ultra-compact Rumble-KU44-2 subwoofer, a 10x10x2 Kommander-KA02 amplifier and a covert remote control, the Azimut is a complete audio solution in a miniature package.

Not only is this system the most discreet professional audio solution on the market, it was developed with the end user in mind. In addition to balanced analog inputs and fiber optical input, the Azimut boasts plug and play capabilities with Bluetooth connectivity, USB ports and mini jack input. Hundreds of thousands of songs are available to you through onboard Spotify and Web Radio streaming by connecting to the Azimut app over Wi-Fi. The app also provides the possibility to manage all the functions of the amplifier, from sound source selection and playlist management to graphic equalization and multi-room network setup.

The mid-high speakers with four 0.5" transducers form ultra-micro line arrays that deliver long throw and homogeneous coverage with crystal clear audio. Housed in a durable and resistant aluminum enclosure, the four full-range, high-efficiency driver units have neodymium magnet structures and suspensions engineered for maximum linear excursion and minimum residual transducer noise.

The two Lyzards produce an impressive SPL and have a very wide horizontal coverage for such a small form. However, when more coverage and power is needed the Azimut has modular capabilities and can expand by up to an additional six Lyzard loudspeakers.

By combining the two Lyzards with the Rumble-KU44-2, the system creates full range frequency response with prodigious output and a virtually invisible profile. Only 10cm deep, the subwoofer provides an extremely powerful low-end that can be easily integrated in its surroundings, including furniture and walls.

The Azimut system is equipped with a wired remote control that shares the same physical characteristics of a Lyzard loudspeaker for a homogenous look and allows volume control and Bluetooth management. A wireless controller option is available with an additional capability to manage playlists.

And when more rooms are equipped with the Azimut system, a LAN network can be created to control them all at once by selecting one system as master and the others as slaves.

Made of premium materials, the aluminum loudspeakers and stainless-steel sub make the system extremely resistant, even when deployed outside in tough weather conditions. They are impenetrable by foreign objects like dust, sand or water, which over time can damage an ordinary audio element.

The Azimut is designed for discreet use in a variety of intimate environments, ideally retail where the system can easily integrate within the layout of the store without detracting from the visual merchandising, display and store design which are vital to enhancing the look, image and accessibility of a store's goods and services. Other suggested applications are restaurants, cafés and bars and museums.

COLORS & PREMIUM FINISHES AVAILABLE

Black	White	Custom	Gold	Polished	Brushed

AVAILABLE ACCESSORIES

RACK-MOUNTING ACCESSORY

WIRELESS REMOTE CONTROL

ELECTRONIC PROTECTION

FEATURES

- Complete audio solution
- Plug & play
- Blutooth connectivity
- Onboard Spotify
- Dedicated app via Wi-Fi
- Remote control
- Analog, optical, USB inputs
- Expandable
- Multi-room management

SUGGESTED APPLICATIONS

RETAIL

HOTELS & RESORTS

RESTAURANTS, CAFES & BISTROS

FITNESS & WELLNESS

DATASHEET

Installed Sound Domino-KF26

ACOUSTICS	
Power handling	Subwoofer: 80W Mid-high speakers: 8W
Impedance	Subwoofer: 2Ω Mid-high speakers: 16Ω
Frequency range	45Hz – 19kHz (-10dB)
SPL 1W@1mt	Subwoofer: 87dB Mid-high speakers: 82dB
Maximum SPL	Subwoofer: 100dB (continuos) - 106dB (peak) Mid-high speakers: 92dB (continuos) - 98dB (peak)
COVERAGE	
Horizontal	Subwoofer: omni Mid-high speakers: 140°
Vertical	Subwoofer: omni Mid-high speakers: 20°
CROSSOVER	
Type	Internal digital crossover
TRANSDUCERS	
Low frequency	2 x 4" Ferrite Magnet with 1" voice coil 2 x 4" Passive Radiator
Mid-High frequency	4 x 0.5" Neodymium Magnet with 0.5" voice coil
AUDIO INPUT	
Analog Balanced	Left: 3-pin phoenix Right: 3-pin phoenix
Analog Unbalanced	3.5mm Jack Stereo
Optic	Fibre Optic Jack Connector
USB	4 x USB 2.0
Bluetooth	4.1 Bluetooth Low Energy
POWER AUDIO OUTPUT	
Subwoofer	4-pin phoenix (Ch1-Ch2 PBTL config)
Mid-high speakers	Left: 2-pin phoenix (Ch3 BTL config) Right: 2-pin phoenix (Ch4 BTL config)

REMOTE	
Wired Remote Control	2-pin phoenix
Hardware Control	5-pin phoenix (4 x GPIO ports)
Network	10-100 Mbps Ethernet (RJ45), Wirelss LAN 802.11n
DSP PROCESSING	
Sample Rate	192 kHz
Bit Depth	24 bit
AMPLIFIER	
Type	4-channel Class-D audio amplifier
Power	4 x 50W @ 4Ω - 10% THD
Azimut Config	Subwoofer: 100 W @ 2Ω (Ch1-Ch2 PBTL config) Mid-high out left: 50 W @ 4Ω (Ch3 BTL config) Mid-high out right: 50 W @ 4Ω (Ch4 BTL config)
PROTECTION	
Type	Output Short Protection DC Offset Overtemperature Undervoltage and Overvoltage 40V Load Dump Open Ground and Power Tolerant
AC POWER	
Operating range	24Vdc
Connector	2.5mm power jack
PHYSICAL OVERVIEW	
Dimensions	Mid-high: 2.2 x 10.0 x 1.2 cm (0.8"x 3.9"x 0.4") Subwoofer: 50.0 x 11.6 x 10.1 cm (19.7"x 4.6"x 4.0") Amplifier: 14.4 x 4.6 x 14.4 cm (5.7"x 1.8"x 5.7") Remote: 2.2 x 10.0 x 1.2 cm (0.8"x 3.9"x 0.4")
Weight	Mid-high: 0.065 kg (0,14 lbs) Subwoofer: 5.2 kg (11.46 lbs) Amplifier: 0.5 kg (1.10 lbs) Remote: 0.045 kg (0.10 lbs)