## Adjustable Beam Steering Angle

Vertical Variable Angle: Adjust the target angle of the column according to the target position （−45° ∼ +45°）

Vertical Expansion Width: Adjust the column expansion width to change the opening angle of the sound lobbing （0° ∼ 90°）

45°Angle   0°Angle   -45°Angle
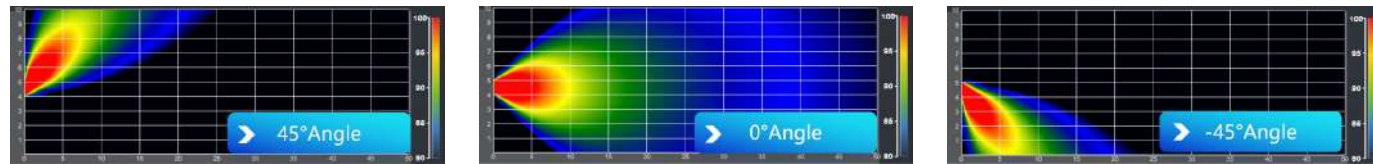
Simulation Calculation: The software has built-in beam simulation calculation rendering diagram, through which the direction of the beam can be viewed directly
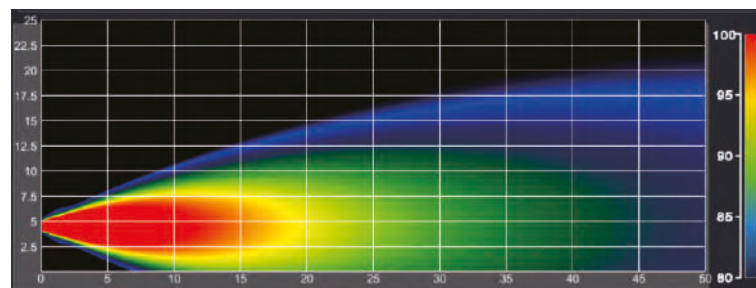

Side Lobbing Enhancement: Through side lobbing enhancement processing, the side lobbing energy is reduced and the main sound lobbing energy is highlighted, therefore sound energy of the variable-direction column is more concentrated and projected to the target area, and the sound field is clearer

Center Distance: Changes the sound position of the column

Before Enhancement
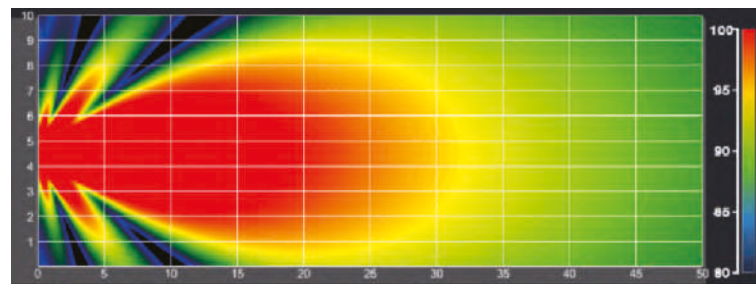
After Enhancement
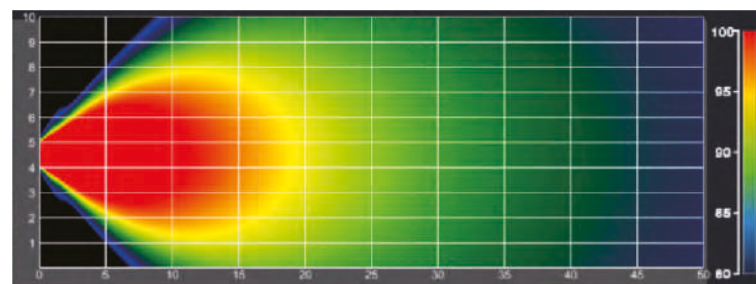
All Informaton above for Reference ONLY

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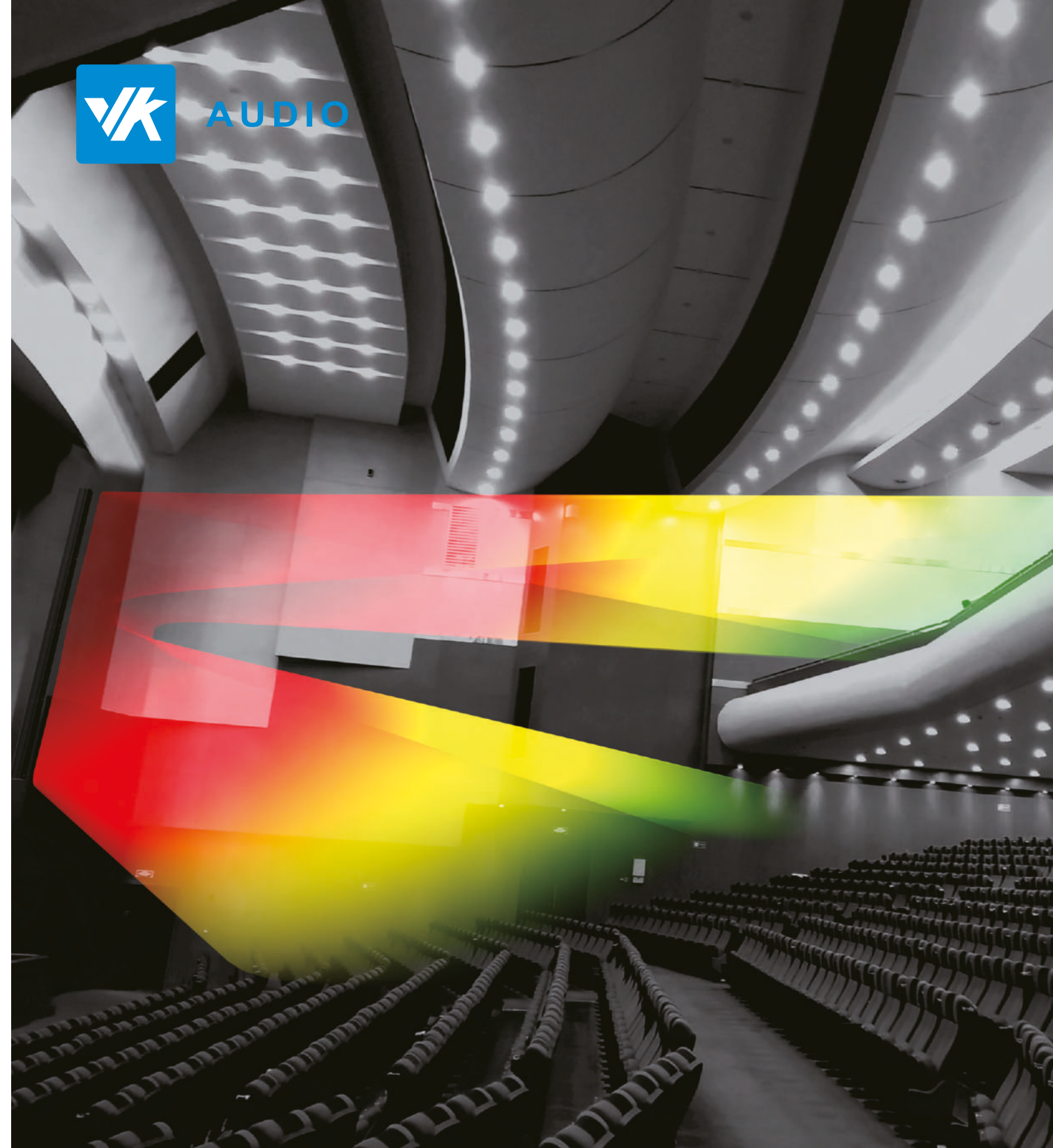
SLIM804
Beam Steering Column Speaker

SLIM804+
Beam Steering Column Speaker

可變指向性音柱系列
BEAM STEERING COLUMN SERIES

SLIM804 / SLIM804+

Beam Steering Column Speaker

Application 🔊

- Public Court Hall, Command Hall, Church
- Conference rooms or other places that require specific acoustic coverage
- Airport terminals, Railway stations, Exhibition centres, Academic centres

Features

SLIM804 and SLIM804+ (stackable) variable directivity sound columns incorporate the domestic innovative and independently developed DSP core algorithm technology and have a number of innovative designs. Two specifications of stacked and non-stacked sound columns can be selected according to system configuration requirements. The stacking function It supports up to 32 channels stacked at the same time; a single sound column supports two beams and can be switched between single beam and dual beam. That is, two independent beams can accurately cover two different audience areas, reducing sound reflection to Minimum; creating a cost-effective system solution that combines high-defini-tion sound quality, consistent uniform coverage and control capabilities.
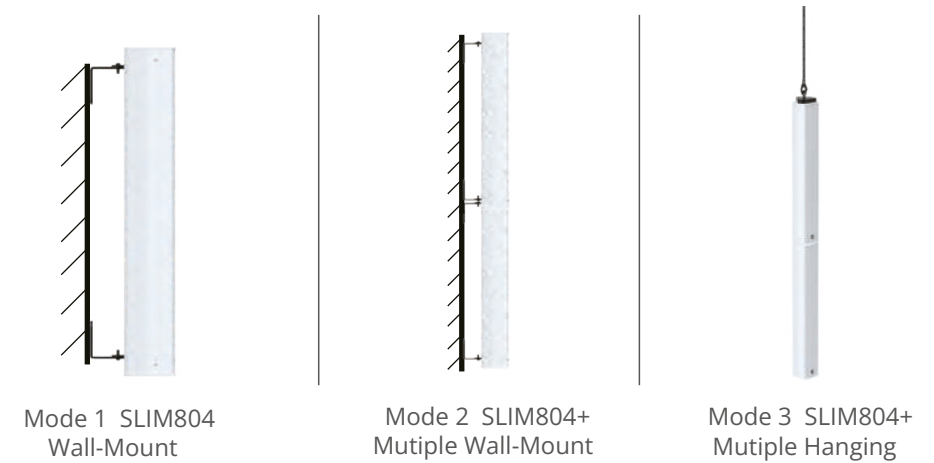
It is composed of a brand-new high-strength aluminum metal shell box, 8 European imported 4-inch speaker units, high-performance DSP modules, and Class D power amplifier modules; through careful selection of highly consistent speaker units, each is configured with an independent power amplifier channel driver , freely adjust the vertical -45~45° cover-age direction through DSP calculation to achieve constant horizontal beam characteristics; equipped with a special mounting bracket to make installation easier and more convenient; suitable for all needs, compact and capable of providing high definition and consistent and uniform sound pressure level application scenarios.

Specification

	SLIM804		SLIM804+ (stackable)
Frequency Response	130Hz ~ 19kHz(±3dB)	|	120Hz ~ 19.5kHz(-10dB)
Max. SPL (cont./peak)	116.8dB / 128.7dB		
T.H.D.	≤7% (250Hz - 6300Hz)		
Amplifier Module	8 × 32W Class D Power Amp module, Independent power amp ch. per driver.		
	Power Amp. built-in signal detection, overload protection		
Input Channel	Support Digital / Analog signal input		
	(Active/Backup)		
	Dante version : One Click switch AES 3 & Dante		
DSP Data Process	24bit / 48kHz Data processing accuracy		
Frequency Response (Analog In>Out)	20 ~ 20kHz (±0.5dB)		
Dynamic Range (Analog In>Out)	≥105dB (1kHz, THD≤0.06%)		
Dimension	H 852 × W 121 × D 135 mm		
Weight	11.1kg		

Installation

Mode 1 SLIM804
Wall-Mount

Mode 2 SLIM804+
Mutiple Wall-Mount

Mode 3 SLIM804+
Mutiple Hanging

1. **Equipment Monitoring**: Supports network monitoring and control, and the intuitive operation interface design facilitates operators to quickly deploy and monitor the device's mute status, online status, input channel signal size, etc.
2. **Stacked Use**: The stacked version of the variable directivity sound column supports stacking use. The stacked sound column combination is equivalent to a large sound column. By stacking, the energy of the sound can be increased and projected farther. Supports 32 channels stacked at the same time, and can independently change the up and down reversal state of the sound column.
3. **Audio Processing**: The sound column has built-in input channel muting, phase, input gain, delay, system equalization, factory equalization, beam equalization, high-pass and low-pass filters, dynamic processing and other audio signal processing modules.
4. **Simulation Calculation**: The software has a built-in beam calculation rendering, through which you can intuitively see the direction of the beam.
5. **Save and Read the Program**: 10 sets of system modes can be stored locally, and the power-on state defaults to the first set of modes.
6. **Hardware Interface**: 1 analog input, 1 analog output, 1 AES3 input, 1 AES3 output, 1 Dante input, 1 RJ45 Network control interface, 1 Power-CON power input socket, 1 Power-CON power output socket.
7. **Interconnected Control**: Supports central control system control and switches application scenarios with one click.

Individual Beam Steering control

Through DSP processing, multiple beams can be generated, and the projection angle of each beam can be set independently. Through side lobbing enhancement processing, the side lobbbing energy is reduced and the main sound lobbing energy is highlighted, so that the sound of the variable directional sound column can be more concentratedly projected to the target area, and the sound field is clearer.