

CABS I Series

Coaxial Active Beamsteering System

Work for any room shape

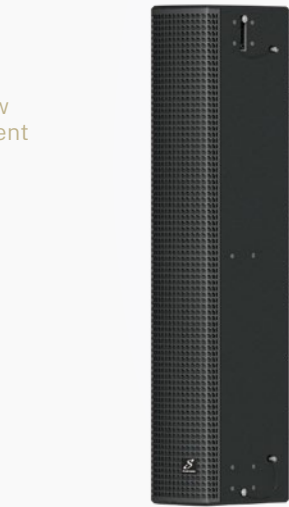
Adjustable directivity

Sound beam synthesis algorithm

Sound follow finger movement

Technological innovation

- Channel-based, with both analog and digital ports for audio transmission, including RAVENNA.
- A set of fine presets can achieve sound effects for various scenarios such as meetings, performances with one key switch.
- The built-in microphone-free feedback suppression algorithm will not produce feedback at any position on the stage.
- No need to install any monitor speakers in the stage area, and the sound reinforcement effect in the center of the stage is loud and clear.
- Remote control can be accessed via Ethernet interface.



CABS 15S
CABS 18S
ACTIVE SUBWOOFER

CABS I
COAXIAL ACTIVE
BEAMSTEERING ARRAY



Application



Theater



Command Centre



Multi-Function Hall



Conference Room

Installation Method

Vertical flying installation

Up to 8 loudspeakers can be cascaded and installed on flying rigs.

Wall-mounted installation

When installed on the wall, the loudspeaker can be adjusted up to 30 degrees to the left and right.

Installation of stand

With the help of the labor-saving lifting rocker arm, The height can be easily adjusted with one hand. Suitable for outdoor sound reinforcement.

Screen-surround bracket installation

For installation above or below an LED display, the loudspeaker can be adjusted up/down by a maximum of 30 degrees

Monitor bracket installation

Used as a monitor speaker on stage, the loudspeaker can be adjusted up to a maximum of 45 degrees.

Installation of aviation box bracket

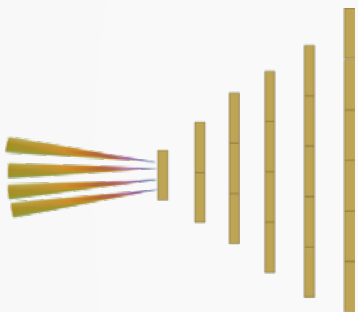
Installed on an aviation case, suitable for indoor sound reinforcement

CABS I Series

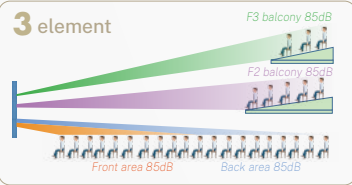
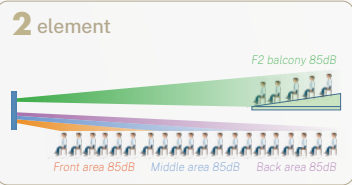
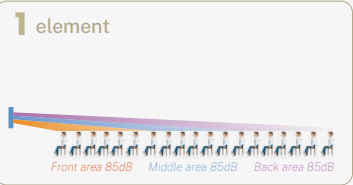
Coaxial Active Beamsteering System

A typical configuration of multiple elements in an array

Elements Cascaded	Max SPL		Beam split into	Vertical coverage angle	Vertical adjustable angle	Horizontal coverage angle
	1m	30m				
1	136.0dB	121.2dB	4	0°-120°	+45°/-45°	100°
2	139.0dB	124.2dB				
3	140.8dB	126.0dB				
4	142.0dB	127.2dB				
5	143.0dB	128.2dB				
6	143.8dB	129.0dB				
7	144.5dB	129.7dB				
8	145.0dB	130.2dB				



Example of beam-splitting in a typical theater application with one or more balconies

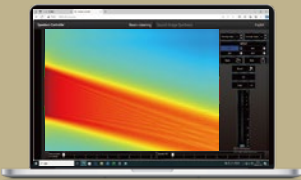


System control software

User Interface

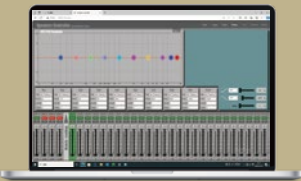
Beam control interface

Maneuver sound beam coverage in real-time response



Debugging

Mode for Advanced Application



Performance Index

	CABS I
Components	8 x 6.5", 32 x 1"
Channel counts	40 independent DSP and AMP
Frequency response	60Hz - 20kHz
Rated power	2000W
Max SPL	136dB
Interface type	RAVENNA digital network transmission Analog channel input interface (balanced signal) USB 2.0 interface x 2 Network Control Interface
Dimension(HxWxD)	1378x225x346mm
Net weight	49kg



CABS 15S / CABS 18S

Active Subwoofer

- Subwoofer frequency unit
CABS 15S: $\phi 100$ core 15"
CABS 18S: $\phi 100$ core 18"
- Special aluminum modulation ring
- 4" heatproof voice coil
- Long stroke design
- Amplifier power
CABS 15S: 1200W
CABS 18S: 1800W
- Class-D power amplifier
- Stable performance
- Low distortion and high efficiency

