

# CS6 Technical Data Sheet

## Introduction

The CS6 is a very high quality 2 way passive speaker, presented conservatively in a low profile unique angled painted baltic birch enclosure.

Designed to present exceptional speech clarity, the CS6 can be applied quickly and flexibly on podiums, stands and suspended as well as in fixed installations using the comprehensive range of ancillary attachments and brackets.

## Features

- Professional Baltic birch construction with unique angles for flexible use
- Extremely hard-wearing textured plastic paint
- Compact enclosure allows discreet placement and application
- Wide dispersion 90 H x 90 V Horn
- KV2 Audio SLA technology passive crossover inc. thermal breaker protection
- 1"/ 1.3" Titanium diaphragm compression driver
- 6" Neodymium low mid woofer
- Fixing points for comprehensive attachments

## Application

**Purpose designed as a discreet portable passive loudspeaker for speech for Rental and Production companies**

- Corporate presentations and functions
- Full range performance with addition of subwoofers
- Infills
- Close monitoring
- Fixed installations

Product code: KVV 987 434



### System Acoustic Performance

Max SPL Long-term	118dB
Max SPL Peak	124dB
-3dB Response	145Hz to 20kHz (voice bandwidth)
-10dB Response	90Hz to 28kHz (voice bandwidth)
Recommended Power	175W
Sensitivity	93dB
Impedance	8 Ω
Crossover Point	4,2kHz

### High Frequency Section

Acoustic Design	Horn loaded
High Horn Coverage Horizontal / Vertical	90° x 90°
Rotatable Horn	symetric
Throat Exit Diameter / Diaphragm Size	1"/1,3"
Diaphragm Material	Titanium
Magnet Type	Ferrite
Protection	Thermal breaker - auto reset

### Low Frequency Section

Acoustic Design	Closed box
Number of Drivers	1
Woofer Size / Voice Coil Diameter	6" / 1.75"
Magnet Type	Neodymium
Diaphragm Material	Epoxy reinforced cellulose
Protection	Thermal breaker - autoreset

### Speaker Input

Speaker Input	4x Neutrik Speakon, Terminal block
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### Cabinet

Cabinet Material	Baltic birch
Color	Plastic paint

### Physical Dimensions

Height	400mm (15.75")
Width	185mm (7.28")
Depth	182mm (7.17")
Weight	8,3 kg (18.26lbs)

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## Architectural Specifications

The Loudspeaker shall be a 2-way passive design using SLA Technology (Super Live Audio) and shall be driven and controlled by a dedicated matched Amplifier (ESP2000, ESP4000 or alternatively with a third-party amplifier of the user's choice).

The Loudspeaker enclosure shall consist of one 6" Neodymium magnet structure Bass driver and one 1" Ferrite- Titanium Compression driver mounted to a low compression horn assembly.

The cabinet enclosure shall be made from reinforced Baltic Birch Ply, with toughened impact and wear resistant plastic paint finish.

The Loudspeaker components shall be protected by an acoustically transparent rigid metal grille supported by absorbent rubber seals.

The enclosure shall incorporate four nonslip rubber feet each on the bottom and two angled rear sides.

The enclosure shall incorporate one M10 fixing point on each side panel and top and bottom panel.

Two 5mm apertures are provided for pin insertion/release on the bottom panel and one 5mm aperture for pin insertion/release on one side panel to allow easy setting of angle when the angle-setting bracket attachment is used.

The enclosure shall incorporate a recessed connection panel and will be fitted with a double input/output Speakon locking connector and one Speakon locking connector on the top and bottom panel for pole mounting connection.

A 4 pole barrier strip will be incorporated in the connection panel to allow bare wire connection and a recessed slide switch for channel switching.

The Loudspeaker shall have a maximum long term pressure level of 118dB, a total peak power handling capacity of 175W, a nominal Horizontal and Vertical dispersion of 90 deg and have a measured on axis frequency response of 145Hz to 20KHz (-3dB) Voice bandwidth, 90Hz to 28kHz (-10dB), Voice Bandwidth.

The Enclosure dimensions shall be: 400mm / 15.75" x 185mm / 7.28" x 182mm / 7.16"

The Enclosure shall not exceed a weight of 8.3 kg / 18.3lbs.

The Loudspeaker shall be the KV2 Audio CS6

The dedicated Amplifier shall be the KV2 Audio ESP2000/4000 – (Or alternative third party amplifier).

The dedicated fly ware shall be the KVV 987 435 CS6 Horizontal bracket and KVV 987 436 CS6 Vertical bracket.

## Dimensional Drawings

