



# KV2 audio CS6 CS Series Compact High Quality 2 Way Passive Speaker User Guide

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## KV2 audio CS6 CS Series Compact High Quality 2 Way Passive Speaker



### Important Safety Instructions

Before using your CS6, CS8, CS12 be sure to carefully read the applicable items of these operating instructions and the safety suggestions.

1. Read all product instructions.
2. Keep printed instructions, do not throw away.
3. Respect and review all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. Install in accordance with KV2 Audio's recommended installation instructions.
7. Only use accessories specified by KV2 Audio.
8. Install the product only with rigging specified by KV2 Audio, or sold with the loudspeaker.
9. An experienced user shall always supervise this professional audio equipment.

### Introduction

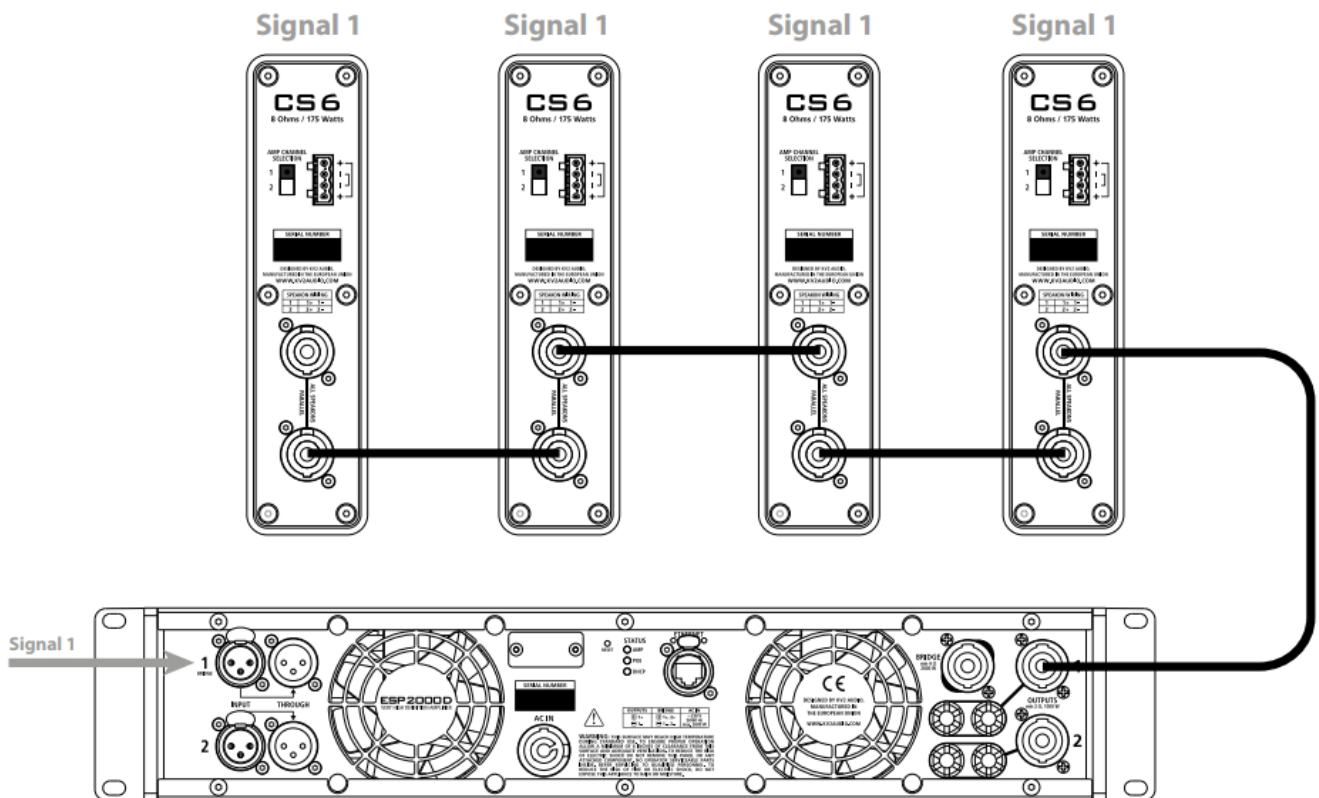
The CS6 is a very high-quality 2-way passive speaker, presented conservatively in a low profile unique angled painted baltic birch enclosure. Designed to present exceptional speech clarity, the CS6 can be applied quickly and flexibly on podiums, stands and suspended as well as in fixed installations 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

## Standard Connection

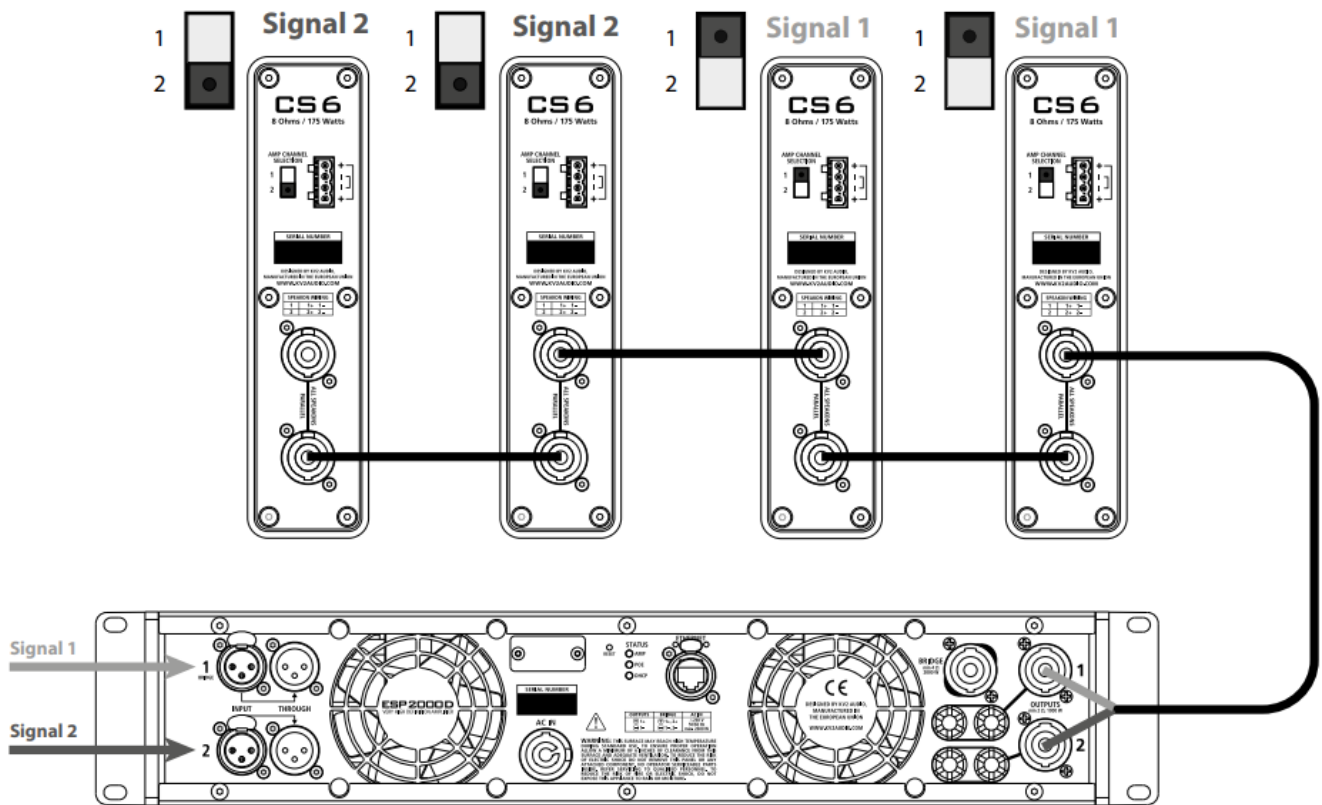
Parallel connection of the CS6 (8Ω) – Total impedance 2Ω. 2 wire or 4 wire cable may be used, the AMP CHANNEL SELECTION switch does not apply.



## 2 Channel Connection

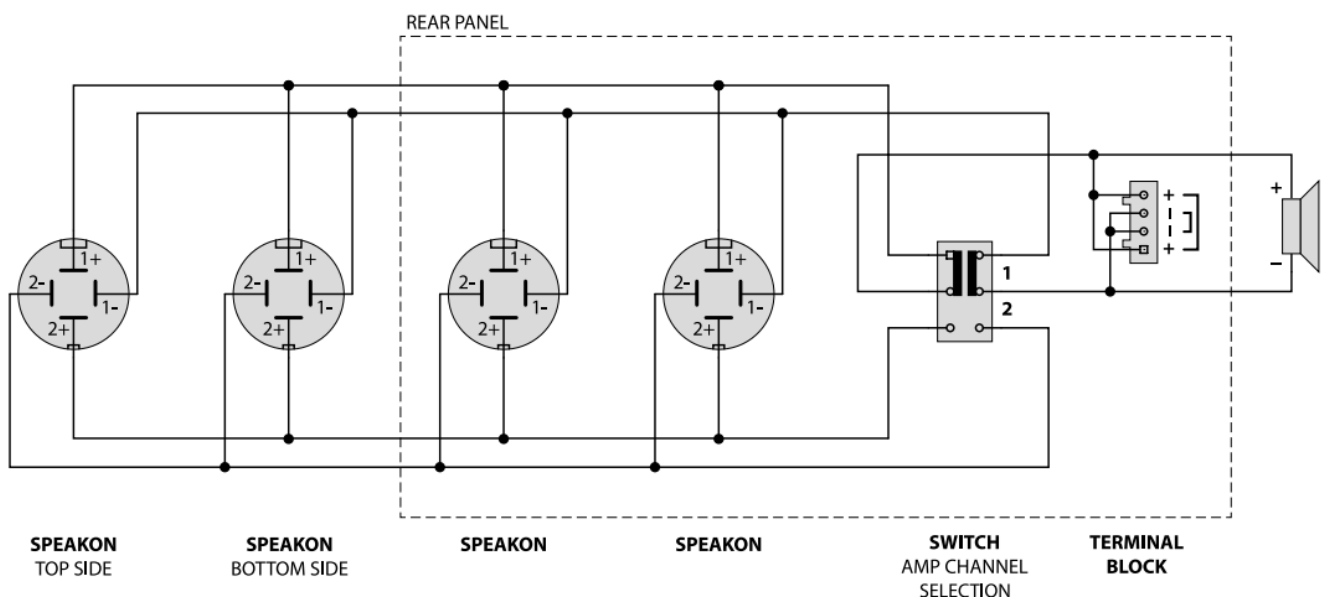
Channel connection using single 4 wire cable (2 Channel Adapter Cable may be used – KVV 987 450). Total impedance 4 Ω per channel. Channel switch for selecting Signal 1 or Signal 2.

**Note:** It should NOT be switched during passing of signal as this could potentially cause damage to the switch or amplifier).

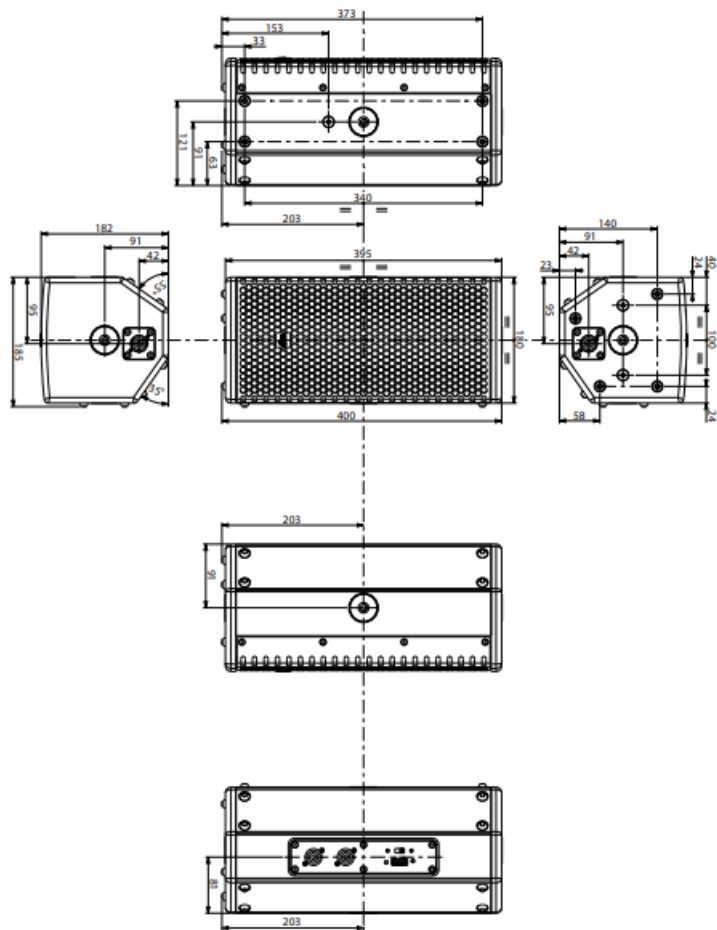


## Wiring

All CS6 SPEAKON connectors are wired in parallel and the desired amplifier channel is selected using AMP CHANNEL SELECTION switch. Terminal block (4 pins, 5.0mm pitch) is wired directly to the speaker, the AMP CHANNEL SELECTION switch does not apply.

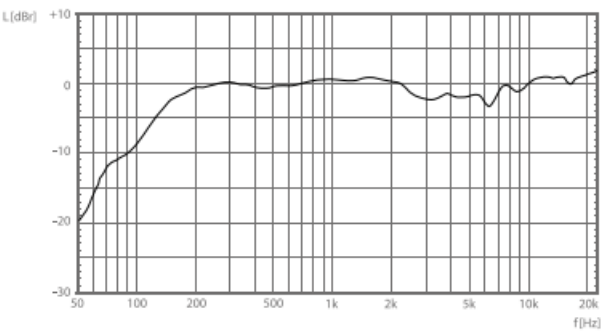


Drawing

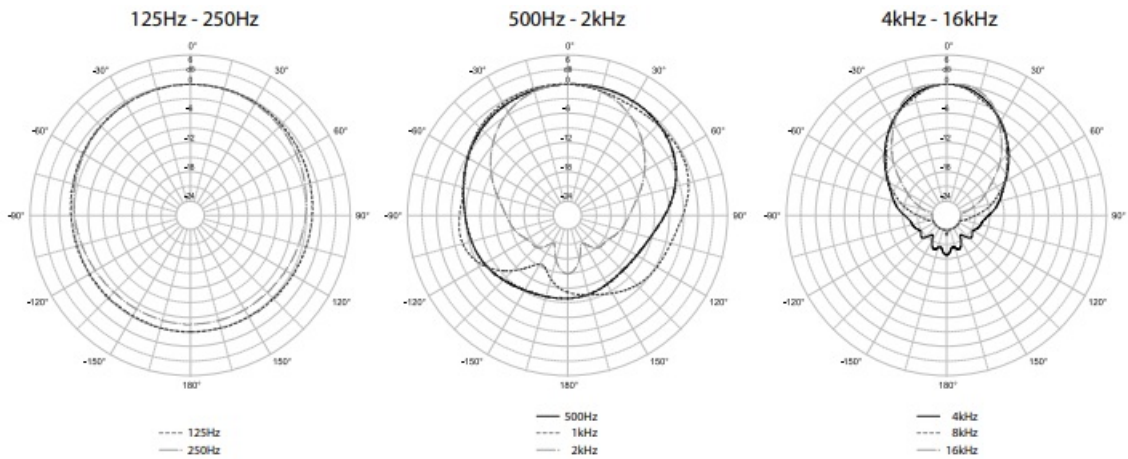


Frequency characteristics

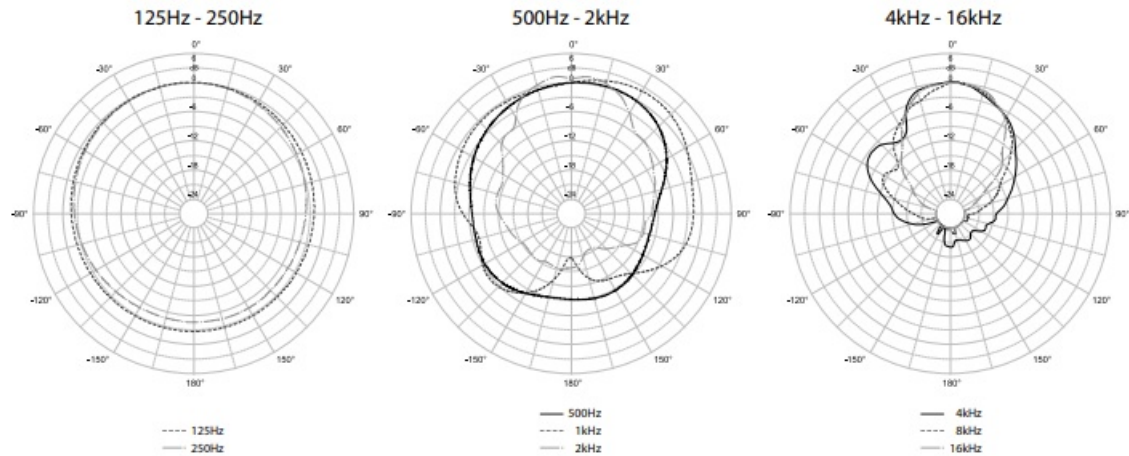
Frequency response



Horizontal Polar plots




Vertical Polar plots



Specifications

System Acoustic Performance	
Max SPL Long-term	118dB
Max SPL Peak	121dB
-3dB Response	145Hz to 20kHz
-10dB Response	90Hz to 28kHz
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
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)

Documents / Resources

	<p><a href="#">KV2 audio CS6 CS Series Compact High Quality 2 Way Passive Speaker</a> [pdf] User Guide</p> <p>CS6, CS Series, Compact High Quality 2 Way Passive Speaker, CS Series Compact High Quality 2 Way Passive Speaker, CS6 Compact High Quality 2 Way Passive Speaker, CS6 CS Series Compact High Quality 2 Way Passive Speaker, CS8, CS12</p>
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References

-  [KV2 Audio](#)