

ESD25

ESD25 - part number KVV 987 368

2-Way Full-Range Compact Low Profile Passive Loudspeaker

Application

Specifically designed as a super- discreet passive loudspeaker for reproduction of recorded speech and music

- Suitable in fixed installations as a full range speaker or as a system with accompanying subwoofers
- Excellent peripheral reinforcement for main KV2 systems
- Fill-in speaker
- Monitoring
- Ceiling or under balcony mounting



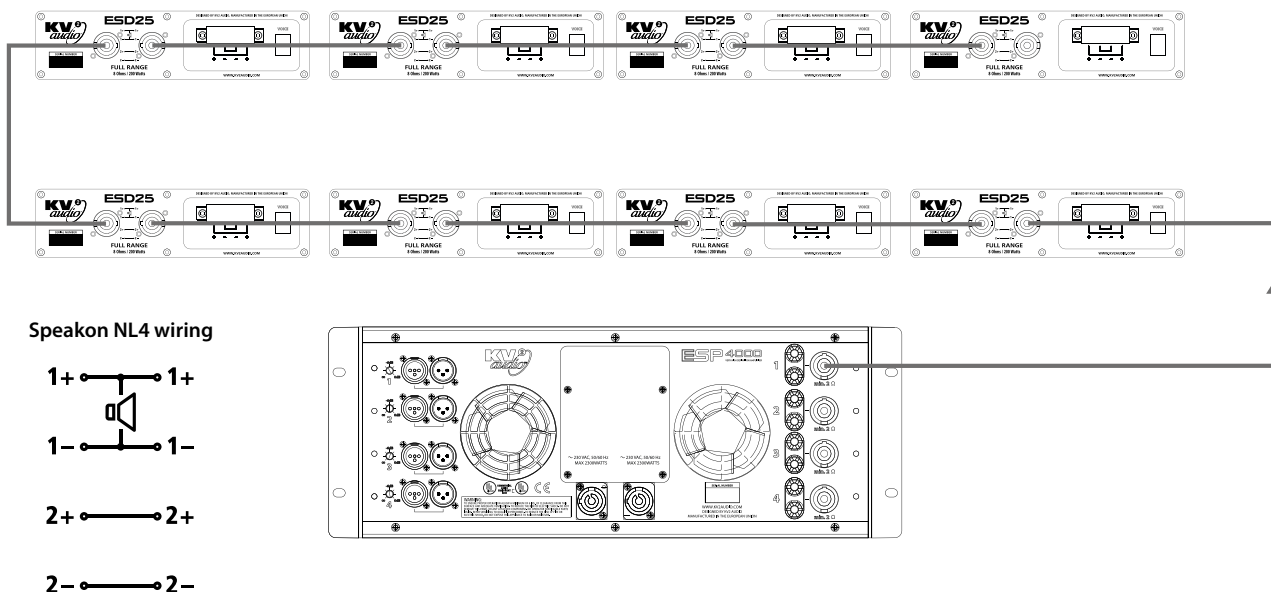
Introduction

The ESD25 is a very high quality, 2-way full-range compact low profile passive loudspeaker with enhanced lower bass extension. Its opposing driver design assists with pattern control of the low mid frequencies, reducing reflections in reverberant spaces and improving intelligibility. Delivering exceptional clarity for speech and program reproduction, the ESD25 is ideal for under balcony or front stage fill applications in theaters and performing arts spaces where transparent supplementation of the main system is required. As with the already widely acclaimed ESD5, the ESD25 is shaped to fit discreetly into these applications and comes with its own integral bracket for quick installation. A built-in switchable voice eq circuit is included.

Connection

The ESD25 features both Speakon (NL4) connectors and a terminal block. The connectors are interconnected in parallel to allow the "daisy chaining" of additional ESD25's.

PARALLEL CONNECTION OF THE ESD25 (16Ω) - TOTAL IMPEDANCE 2Ω



Installation

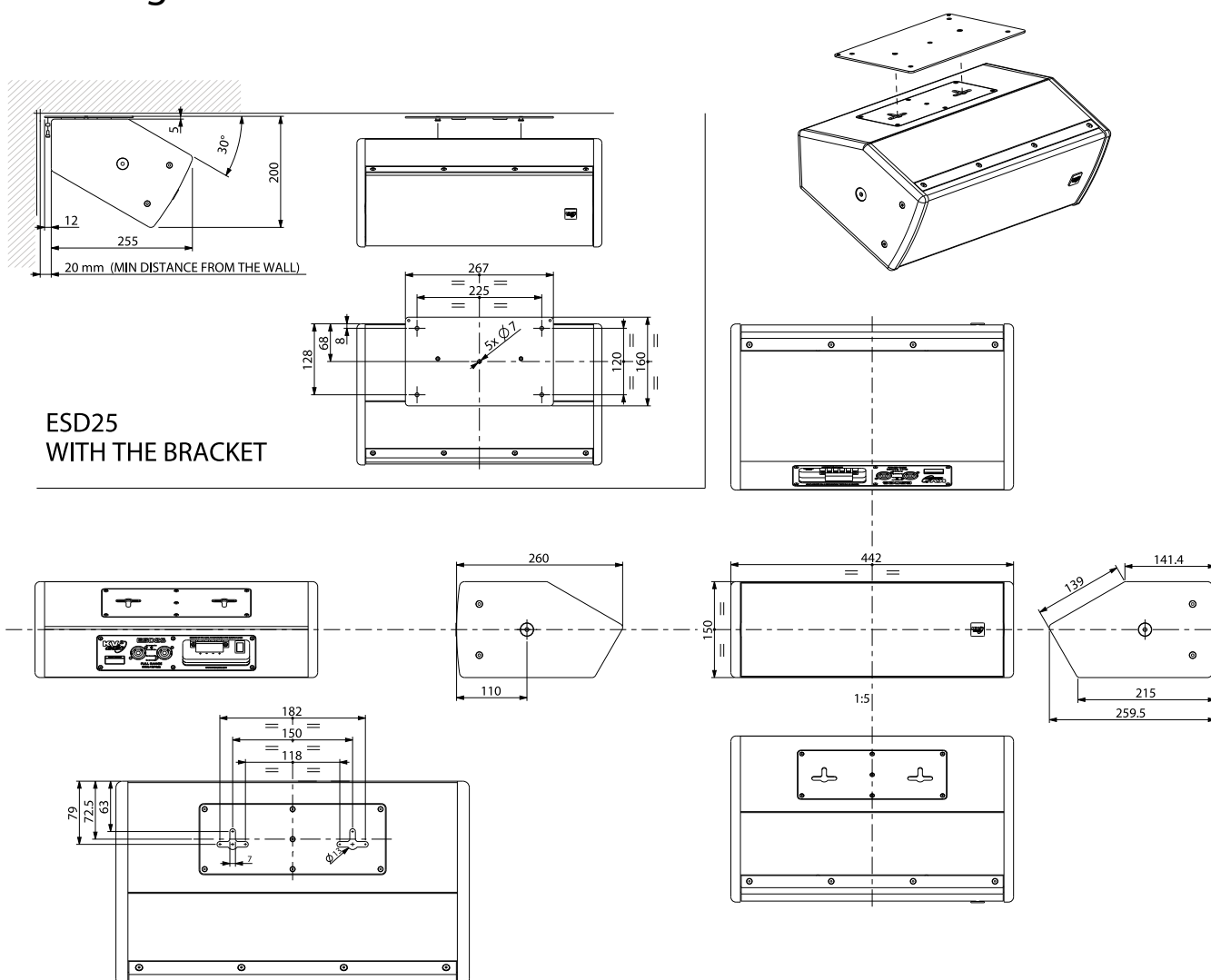
The ESD25 is supplied with a single "ESD25 Wall Bracket", 2 locking screws with spacers and one 3 mm Allen key. Each ESD25 is equipped with two oval mounting apertures designed for easy vertical or horizontal attachment to the ESD25 Wall Bracket.

To enable fixing to a ceiling or alternatively to the wall, measure out the center point of the ESD25 Wall bracket. There are two extra holes on the Wall Bracket, designed to accept locking screws - this side belongs on the rear side of the ESD25 cabinet.

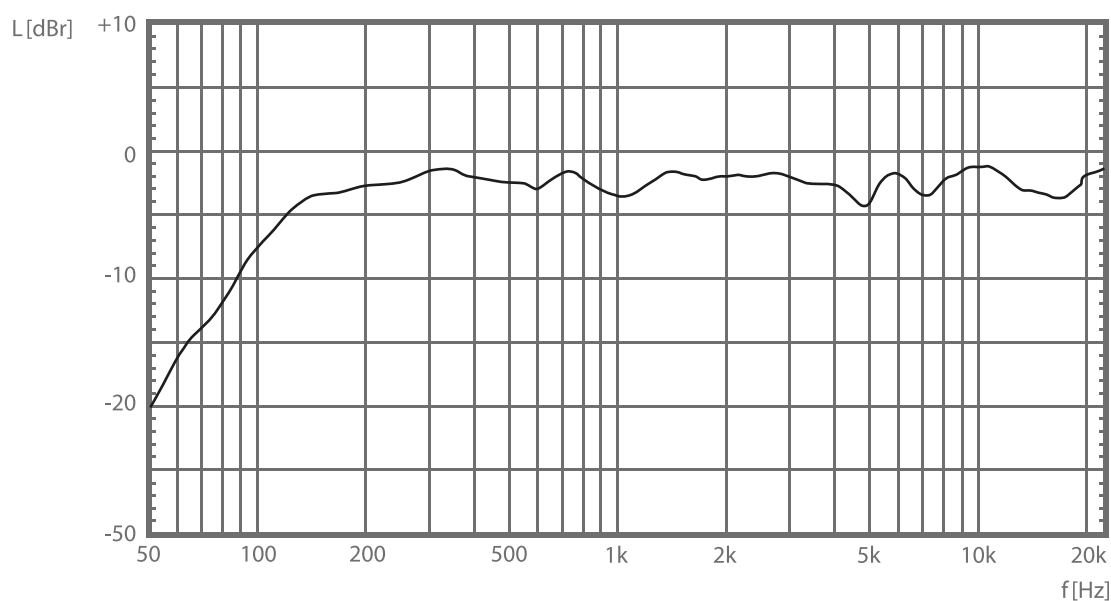
Fix the Wall bracket using one center countersunk screw. Rotate the Wall bracket around the central screw and set the correct angle of the bracket.

Fix the Wall Bracket using the remaining four countersunk screws. Position the ESD25 on to the Wall Bracket's pin heads and fix it sliding the cabinet down. When mounting the ESD25 on the ceiling, slide the cabinet backward and fix/secure it using two locking screws and tighten using the supplied Allen key.

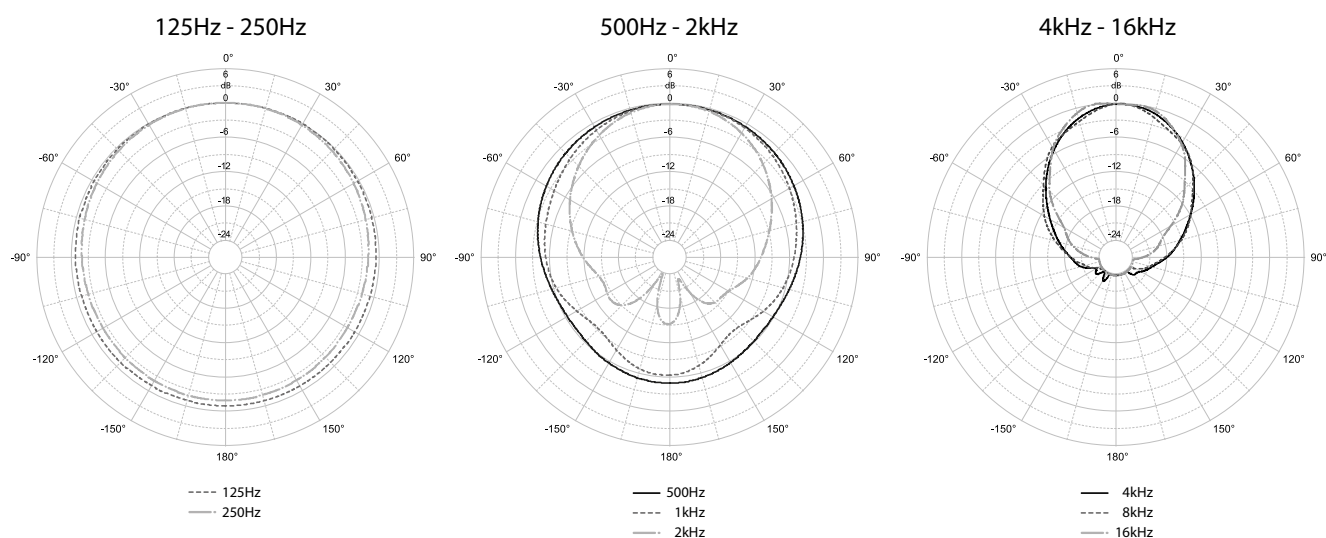
Drawings



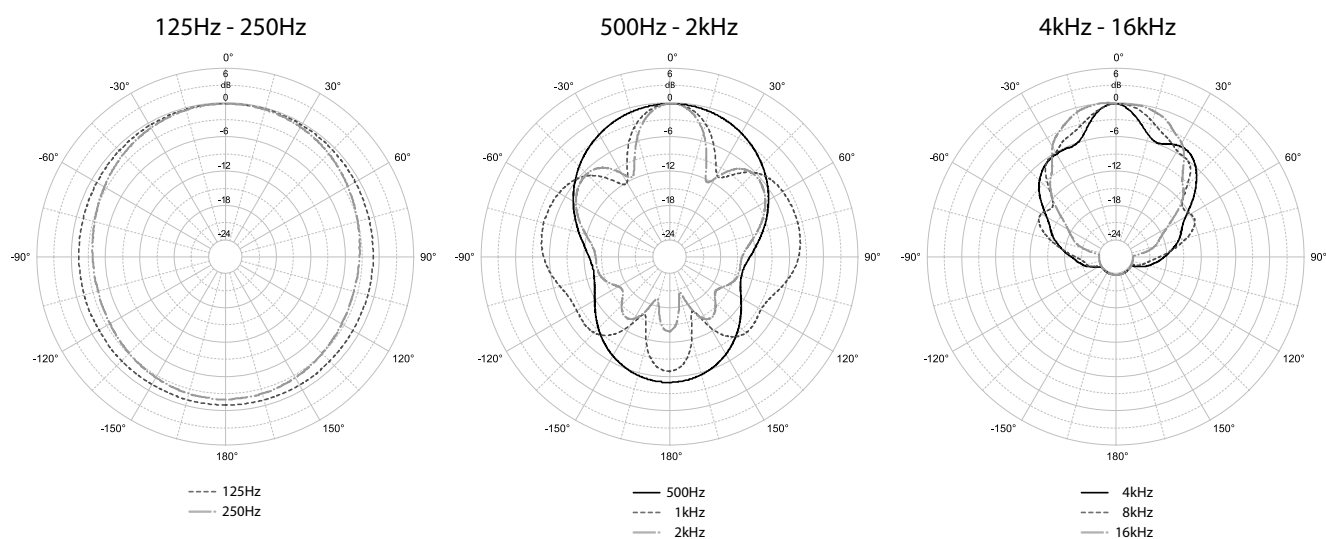
Frequency response



Horizontal Polarplots



Vertical Polarplots



Specifications

System Acoustic Performance	
Max SPL Long-term	120dB
Max SPL Peak	123dB
-3dB Response	120Hz to 22kHz
Recommended Power	100W
Sensitivity	89dB
Impedance	16Ω
Crossover Point	3.0kHz
High Frequency Section	
Acoustic Design	Horn Loaded
High Horn Coverage Horizontal / Vertical	90° x 90°
Throat Exit Diameter / Diaphragm Size	1" / 1.3"
Diaphragm Material	Titanium
Magnet Type	Ferrite
Protection	RMS Limiter
Low Frequency Section	
Acoustic Design	Closed box
Number of drivers	2
Woofer Size / Voice Coil Diameter	5" / 1.75"
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Ferrite
Protection	RMS Limiter
Speaker Input	
Speaker Input	2x Neutrik Speakon®, Terminal Block
Cabinet	
Cabinet Material	Baltic birch
Color	"Orange peeled" Matt Black or any RAL
Physical Dimensions	
Height	150 mm (5.9")
Width	442 mm (17.4")
Depth	260 mm (10.24")
Weight	9.6 kg (21.2lbs)