

Introduction

The ESD1.10 is a compact passive 10" subwoofer featuring a high quality neodymium transducer. The smallest subwoofer within the KV2 range, it has been designed to compliment the ESD Cube Ultra compact Passive loudspeaker, creating a full range system solution when partnered with the Cube and ESP1000 amplifier. With power handling of 500 watts the ESD1.10 is capable of delivering tight, fast and controlled bass response, at high output levels from a very compact cabinet and is ideal for any discreet low frequency applications alongside other KV2 Audio products.

Product code: **KVV 987 391**



Features

- Professional, Baltic birch construction with wear resistant polymer coating
- 121dB sustained output, 124dB peak
- Excellent reproduction of bass frequencies with high transient content at high output levels
- 10" high efficiency low frequency woofer with a 3" (75 mm) inside/outside, epoxy baked, high temperature, voice coil assembly and neodymium magnetic structure
- One recessed side handle for simplified handling and carrying
- Pole mount M20
- Non-threaded 35 mm Pole mount adaptor available as accessory KVV987290
- Thermal breaker protection with auto reset

Applications

Specifically designed as a passive subwoofer to accompany and compliment the ESD Cube systems, or as a standalone compact low frequency solution for space limited applications.

- Fixed installations
- Bars-small entertainment projects and peripheral sound
- Museums or Theme park projects
- Small footprint and dimensions allow placement under seating and fixtures

System Acoustic Performance	
Max SPL Long-term	121dB
Max SPL Peak	124dB
-3dB Response	40Hz to 150Hz
-10dB Response	37Hz to 170Hz (with ESP1000 equalization)
Recommended Power	500W
Sensitivity	94dB
Impedance	8Ω
Crossover Point	80Hz to 150Hz

Low Frequency Section	
Acoustic Design	Twin Asymmetrical Loading
Number of Drivers	1
Woofer Size / Voice Coil Diameter / Design	10" / 3" / Inside Outside
Magnet Type	Neodymium
Diaphragm Material	Epoxy Reinforced Cellulose
Protection	Thermal breaker - autoreset

Speaker Input	
Speaker Input	2x Neutrik Speakon®, Terminal Block

Cabinet	
Cabinet Material	Baltic birch
Handles	1
Pole Mount	M20
Color	"Orange peeled" Matt Black or any RAL

Physical Dimensions	
Height	335 mm (13.2")
Width	530 mm (20.9")
Depth	500 mm (19.7")
Weight	21.3 kg (46.96lbs)

Architectural Specifications

The Loudspeaker shall be a Bandpass Bass design using SLA Technology (Super Live Audio) and shall be driven and controlled by a dedicated matched Amplifier (ESP1000), or alternatively with the ESP2000 or ESP4000. Third party amplifiers of the users choice may also be used according to correct settings and protection.

The Loudspeaker enclosure shall consist of one 10" Neodymium magnet structure Low Frequency-high definition-output driver.

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

The enclosure shall include four high impact, low friction feet on the bottom panel.

The enclosure shall incorporate a recessed connection panel and will be fitted with a double input/output Speakon locking connector and barrier strip for bare wire connection.

The Loudspeaker shall have a maximum long term sound pressure level of 124dB, a total peak power handling capacity of 500W and have a measured on axis frequency response of 40Hz to 150Hz (-3dB).

The Enclosure dimensions shall be: 335 mm /13.2" x 530 mm /20.9" x 500 mm /19.7"

The Enclosure shall not exceed a weight of 21.3 kg /46.96lbs.

The Loudspeaker shall be the KV2 Audio ESD1.10.

The dedicated Amplifier shall be the KV2 Audio ESP1000.

Dimensional Drawings

