



SPECIFICATIONS ENERGY COMBO

Overview

ENERGY COMBO (EC) is an intelligent full-range portable system specially designed for small-scale music performances, speech, conferences or multimedia applications. It is composed of SHRIKE-16 full-range linear column and AS-18 active subwoofer. In addition to the built-in high-performance Class D power amplifier, AS-18 also integrates the DSP-LITE professional digital processing system supplied from Italian Powersoft.

Features

AS-18

- Lightweight portable cabinet design
- Built-in Neodymium drivers and waterproof coating
- Lightweight, firm and quick assembly and disassembly
- High output power
- Built-in DSP processor with 4 user-defined
- USB port for programing by unique software

SHRIKE-16

- Compact and lightweight design
- High-power mini neodymium magnet full frequency unit
- High fidelity tone and high sound pressure output
- Accurate dispersion control
- Modular array design
- Full aluminum alloy cabinet
- The surface is sandblasted and oxidized, and the texture is delicate
- A variety of wiring accessories with widely applicable
- Fully sealed design, IP64 protection level
- Complete accessories and quick installation

Applications

- Portable applications
- Event and lecture
- Multi-media or VR environment
- Worship
- Band gig
- Sound effect for attractions of theme park
- Arena or outdoor fair



Description SHRIKE-16

AS-18

The Lark-8 full-range line array speaker cabinet is composed of 16 piece of extreme 3.5" neodymium full-range units which be using SDCT (Direct Audio Coupling Technology) to directly form a cylindrical wave-front. Of course, this solution is coming from ENEWAVE's brand-new unit technology.

Lark-16 can reach a frequency response range of 98Hz~18.5KHz at $\pm 3\text{dB}$, and the output sensitivity of a single cabinet is 97dB (1Watt@1m), the maximum SPL reaches 130dB which is enough to meet most of small scale applications . With the special AS-18 (active subwoofer system with DSP) subwoofer, the low frequency part can be extended to 35Hz. Under the all-aluminum alloy box structure, excellent oxidation technology brings high-quality appearance performance, adapting to the needs of all-weather environmental use, and the protection level reaches IP64 level.

Under normal circumstances, LARK-16 is used with AS-18 and users can purchase the special fixing bracket PB-1 and extension rod EP-1 vertical installation structure components for connection installation, or use the wall mount bracket LSB-1 for wall mounting Installation so that it can meet the needs of diverse places such as meeting rooms, churches, and outdoors.

AS-18 uses a bass reflex design and uses a computer to predict and analyze the cabinet resonance and reduces these resonances by enhancing the structure, so that the

bass appears clean and there is no cabinet sound. The optimized cavity design makes the speaker volume more compact. The use of long-stroke high-power units, combined with advanced Powersoft DSP-LITE processor control technology, effectively controls the problems of overload distortion and beat edges caused by high-power and tuning will be simple and quick.

The enclosure of AS-18 is made by high-strength "Baltic birch plywood" with tongue and groove joint technology to achieve to sturdy and durable. The two sides of the cabinet equipped carrying handles and the top side of the cabinet is reserved with some of screw holes for the installation of wheels which is convenient for carrying and moving.

AS-18 can reach a frequency response range of 35Hz~2KHz.

The surface treatment adopts multi-layer environmentally friendly water-based paint which is strong, durable and environmentally friendly. The maximum sound pressure output reaches 133dB, which can meet various types of sound reinforcement purposes.

The FEATURED COMBO package set has been exquisitely setting by the Armonia software for DSP before shipping from the factory, and 4 user-defined programs are provided for customers to select by themselves to meet different application in demand.





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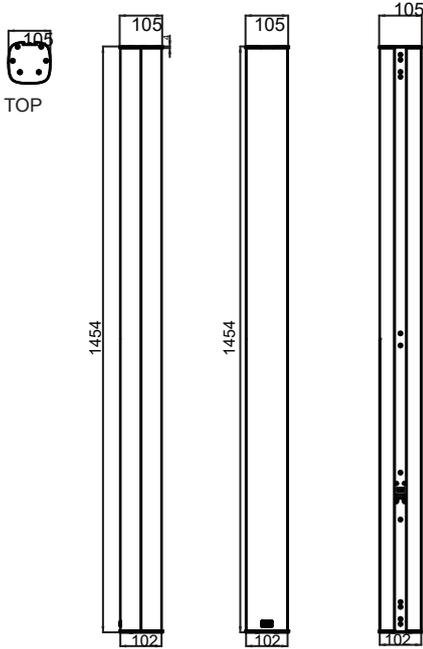
Technical Specifications

SHIRKE-16 Physical Parameters	
Components	16x 3.5" Neodymium magnet glass fiber cone unit
Cabinet principle	Full range line array cabinet
Driven mode	Passive and driven by internal amplifier of AS-18
Cabinet material	Aluminum alloy
Surface	Oxidation treatment
Install accessories	Fixed pole PB-1 and extension pole EP-1 Wall Mount Bracket LSB-1 (option)
System support	AS-18 Active sub-roofer
Dimension	1054mm x 105mm x 105mm (H x W x D)
Weight	8kg
Nominal Parameters	Nominal Parameters
Frequency responsible	98Hz-18.5KHz (+/-3dB) 90Hz-20KHz (-10dB)
Sensitivity (1 Watt@ 1m)	97dB
Nominal impedance	4/16Ω
Power capacity (AES)	Continue 480W Program 960W Peak 1920W
Maximum SPL (1m/calculated)	130dB Peak
Dispersion angle (-6dB)	100°(H), 10°(V)

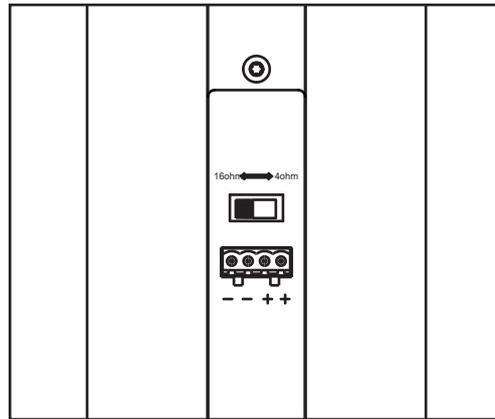
AS-18 Physical Parameters	
Components	1x18" Neodymium cone woofer.
Cabinet principle	Bass reflex built-in Class D amp. & DSP
Cabinet shape	Rectangle
Cabinet material	15/18mm Baltic birch plywood, tongue and groove joint
Surface	Water-based anti-scrach coating
Connector	1x powerCON power input 1x NL4 speakON output 1x female XLR input 1x XLR link output
Dimension	586mm x 500mm x 750mm (H x W x D)
Weight	47kg
Nominal Parameters	
Frequency responsible	35Hz-500Hz (+/-3dB) 28Hz-2KHz (-10dB)
Power amplifier output	1000W+2000W
Maximum SPL (1m/calculated)	133dB

Dimension and diagram

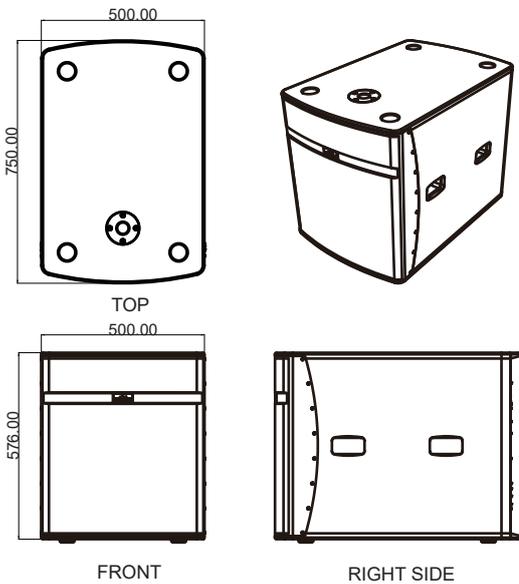
Unit : mm



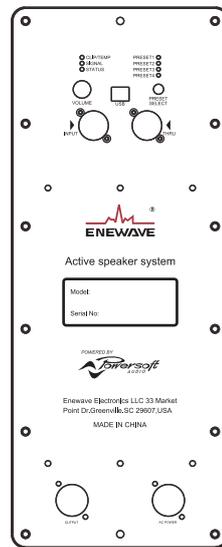
Input panel



Phoenix connector input



Input panel



ENERGY COMBO

Optional accessories

