



ENGINEERING SOUND AUDIO

## ESAudio LTD.

The ESAudio brand has been known on the market for 5 years since the company was found 5 years ago. However, our professional competence is based on decades spent by our colleagues in the field. Well, even we have stated our job with installation of technical equipment, and the design and the production of our own started later, in 2012. Our goal was to develop such a sound system, which also will be able to meet the special requirements of the theatres. We wanted to find the solutions for the continuous problems such as to eliminate singing created by the usage of the wireless microphones, interface microphones, field recording microphones and for creating such a fidelity of sounds, which is able to give back the symphonic music perfectly, without any distortion.

During the last years ESAudio brand name became better known in the country and for today it is more and more popular even on the international market. The main features of our loudspeakers are the excellent quality, the value, long lifetime and the individual fidelity of sound. Due to our continuous development we could launch new types of loudspeakers, which can be combined very well according to the special requirements. ESAudio development strategy is that the systems designed by the company should meet all kind of installation requirements, in terms of smaller or bigger rooms, both indoor and outdoor usage. Our pioneer innovation, the ESA NJ series are unique in this context.

With our patented innovation E-Flexibility™ we have introduced a quick and flexible system, which ensures excellent sound quality. Our ESAudio products are manufactured using the latest computer-aided machinery. All parts, which are designed or produced by ESAudio, go for comprehensive quality control.

ESAudio team believes in the harmony of the innovation and the sustainable development. Considering this principle, we have invested into manufacturing facilities: for example the energy used by our manufacturing plant is produced partly by our own solar panels. Our equipment includes the latest CNC-cutters and -mills and other machinery, so we are in the position to optimise the material usage and minimise the raw material losses.

## E-Flexibility™

The E-Flexibility™ system has been changing the life of the professionals working with amplification for last years. Warehousing, transporting and the installation are not heavy duties anymore, however, thanks to ESAudio they became easy-to-manage jobs. ESAudio's development strategy is that the systems designed by the company should meet all kind of installation requirements, in terms of smaller or bigger rooms, both indoor and outdoor usage. Our pioneer innovation, the ASE NJ series are unique in this context. The system can be configured and transported easily and due to those points the running costs can be reduced significantly.

### **E-Flexibility™ (Installation)**

With this patented innovation a quick and flexible system has been created, which ensures excellent sound quality. The concept was to offer a modular system to the user, who can plan extensively with a system from 2 modules or the variations of 2 modules.

With the quick and simple „clip connection“, E-Flexibility™ allows the usage as a simple compact speaker or a high performance line array system or a 2 or 3 level system which meets all kind of requirements. The system is perfect for all kind of events since using E-Flexibility™ elements the notion of “typical system” doesn't exist anymore. Any size or any parameter can be set up from the elements of E-Flexibility™.

The basis of being configured is ensured by loudspeakers NJ66 and NJ12. Using those two elements, because of their wide frequency range outstanding lucidity of speech and precise fidelity of both classical and pop music are possible. In case of necessity the elements can be combined in many versions. (ESA-NJ66, ESA-NJ12C, ESA-1266C, ESA-12C, ESA-126, ESA-22C, ESA-32C, ESA-42C) As long as the program needs low frequency range, the system can be completed by subwoofers NJ15, NJ18 or NJ218SC.

This variability is ensured by the new ESA standard connection hardware. When connecting the cabinets, extraordinary precise, fine settings are allowed. Vertically, the connection angles can be adjusted between 0-6 degrees for the pairs. Horizontally, 4 pieces of NJ12A elements can be put together. In this case, the horizontal angle of radiation spreads to the range 60 degrees @100Hz. The loudspeakers are waterproof, with a solid polycarbonate composite coating. As the result of the cardioid effect the basses have lower reflection to the stage. Based on our patent, this radiation activity can be executed by every single device separately.



ENGINEERING SOUND AUDIO

## E-Flexibility™ configurations



**ESA NJ66**  
2way Line array system



**ESA 1266C**  
Compact broadband cardioid system



**ESA 12C**  
3way asymmetric line array system



**ESA 126**  
3way symmetric line array



**ESA 22C**  
3way asymmetric line array



**ESA NJ12C**  
Bass-matrix



**ESA 32C**  
3way line array Middle size



**ESA 42C**  
3way line array Big size