

# WCX15L-500

High Performance Coaxial  
Weatherized Speaker

VAL audio

Die Liebe zur Musik



The VAL audio WCX15L-500 is an advanced 15" two-way coaxial line array speaker, meticulously engineered for all-weather reliability and superior audio performance. Its cabinet is constructed from a specialized polymer compound through injection molding, providing exceptional resistance to UV radiation, dust, and wind. The speaker is equipped with custom-designed dustproof and waterproof covers for both input and output connections, along with a sophisticated five-layer grille that ensures effective prevention of water and dust ingress. It meets the rigorous IP56 standard for weatherproofing.

Exposed metal components are crafted from high-grade stainless steel or aluminum, chosen for their durability and resistance to corrosion, while the mounting bracket is treated with a low-carbon steel coating to ensure resilience against the elements. The WCX15L-500 features a powerful 15" ferrite mid-bass driver and a coaxially mounted 3" voice coil high-frequency driver, integrated into a precisely engineered 60° x 25° waveguide for optimal sound dispersion and clarity.

Its versatile design allows the WCX15L-500 to be utilized as a standalone speaker or in arrays of up to four units, with the option of additional flying hardware for flexible installation configurations. This adaptability makes it suitable for a wide range of large-scale audio applications, from outdoor events to permanent installations.

## KEY FEATURES

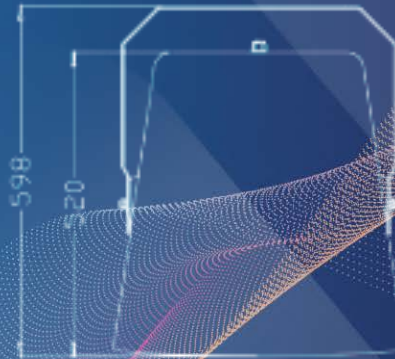
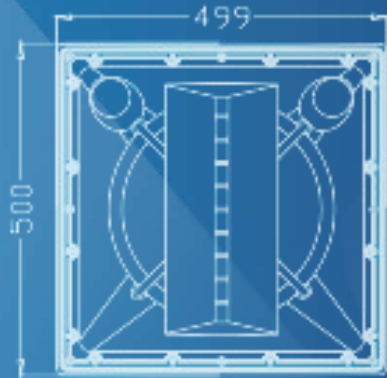
- 15" two-way coaxial line array loudspeaker designed for all-weather durability
- Versatile operation as a standalone unit or in arrays of up to four speakers, with optional specialized hardware for flexible configurations
- Robust polymer compound cabinet, injection-molded for superior resistance to weather conditions
- Coaxial point-source design with a horn-loaded configuration, delivering high sound pressure levels (SPL)
- Powder-coated aluminum grille with a five-layer protective system to prevent water ingress
- Engineered to meet IP56 weatherproofing standards for exceptional resistance to environmental elements
- UV-resistant housing material ensures long-term durability under sun exposure
- Corrosion-resistant construction with brass-embedded nuts, waterproof silicone covers, and stainless-steel screws
- Dustproof and waterproof back panel covers and connectors for enhanced protection
- Includes a mounting U-bracket for secure and adaptable installation

# WCX15L-500

High Performance Coaxial  
Weatherized Speaker

VAL audio

Die Liebe zur Musik



## APPLICATIONS

The VAL audio WCX15L-500 is expertly designed for a range of demanding outdoor environments where exceptional sound quality and weather resistance are essential. It is ideal for use in outdoor restaurants, bars, and clubs, where it delivers pristine audio performance and withstands exposure to the elements. Its robust design also makes it perfect for theme parks and similar recreational settings, providing clear, impactful sound that enhances the visitor experience.

Additionally, the WCX15L-500 excels in light and sound shows, ensuring high-fidelity sound in open-air applications where audio clarity and consistency are crucial. Its durability and superior performance make it suitable for any event or installation that requires reliable, high-quality sound in exposed outdoor environments.

## SPECIFICATIONS

Power Handling	500W RMS / 1000W Program / 2000W Peak
Nominal Impedance	8 ohms
Frequency Response (-10dB)	45Hz - 20KHz
Average Sensitivity	103dB (1W/1M)
Maximum SPL	130dB continuous / 133dB Program / 136dB peak
Low Frequency driver	1 x 15" (3" voice coil) ferrite woofer
High Frequency driver	1 x 1.4" (3" voice coil) driver coaxially mounted on waveguide
Crossover Frequency	1.5kHz passive
Dispersion (-6dB)	60° x 25°
Input Connectors	Covered barrier strip terminals
Size (WxHxD)	499mm x 500mm x 598mm
Net Weight	29 Kg
Gross Weight	32 Kg

