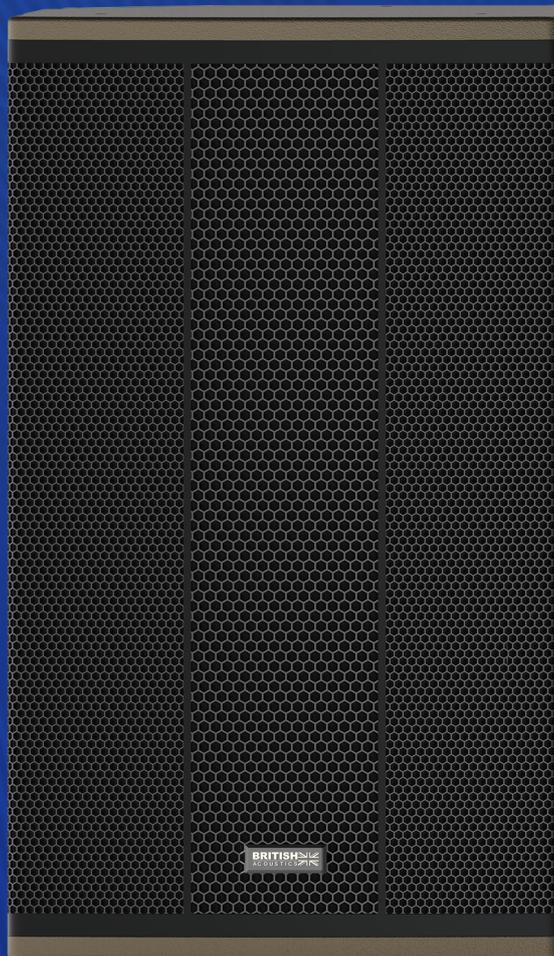


ALPHA SOURCE 412 WR

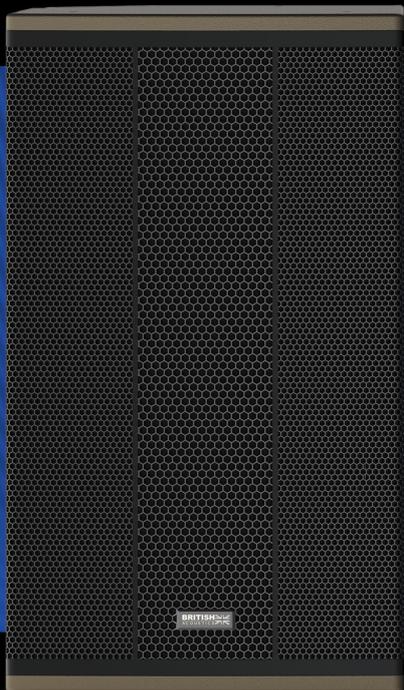
12" HIGH PERFORMANCE PASSIVE SPEAKER




BRITISH ACOUSTICS

ALPHA SOURCE 412 WR PASSIVE SPEAKER

The British Acoustics Alpha Source 412 WR is a 12-inch installation speaker from the WR Series, offering unmatched performance and durability for challenging environments. Designed with advanced transducers, including a 2.5" copper voice coil and a 1.4" HF compression driver, this speaker ensures precise and dynamic sound reproduction for professional audio applications. Its IP54-rated construction provides superior resistance to dust and water, making it suitable for both indoor and outdoor use.



Constructed with a robust marine birch plywood enclosure and perforated black steel grills, the Alpha Source 412 WR guarantees longevity and aesthetic appeal. It features user-rotatable horns for flexible installations and supports multiple deployment configurations, ensuring seamless integration into various sound setups. Whether used as a monitor, flown, or mounted on a pole, this speaker consistently delivers superior audio performance.





ACOUSTICAL SPECIFICATIONS

- Freq. Response (-3 dB) : 59 Hz - 20 kHz
- Freq. Range (-10 dB) : 50 Hz - 20 kHz
- Rated Power : 500W AES, 2000W Peak
- H Dispersion : 90° (-6 dB)
- V Dispersion : 50° (-6 dB)
- User Rotatable Horns
- Crossover : 2.1 kHz or Bi-amplified
- Nominal Impedance : 8 Ω
- Max Output : Cont 127 dB, Peak 133 dB
- 2 x Speak-On Sockets, Input & Thru

SYSTEM SPECIFICATIONS

- Recommended Subwoofers : See Systems Chart for compatible subwoofers
- Recommended System Control : Delta Drive DSP Control Systems
- Recommended Amplifiers : See Amplifier load calculation chart

LF TRANSDUCER

- 12" Low Frequency Driver
- 450W AES, 1800W Peak
- 2.5" Copper Voice Coil - Ferrite Magnet

- Enhanced Airflow Path for minimal power
- Aluminum Demodulation Ring for reduced distortion

HF TRANSDUCER

- 1.4" Exit HF Compression Driver
- 50W AES, 200W Peak
- 2.5" Voice Coil - Ferrite Magnet
- Alpha Contour Waveguide ensuring consistent coverage

HOUSING

- Marine Birchply Enclosure
- Granular Scratch Free Polyurea Paint
- Perforated Black, Pressed Steel Grills
- Integrated Handles on Either Side
- Includes a set of round bottom feet for secure and stable stacking
- Sloped Input Plates
- M10 Flying inserts
- Installation brackets : Alpha Throne (H), Alpha Throne (V), Alpha Yoke B410

AESTHETIC SPECIFICATIONS

- British Acoustics Signature Umber Brown

Tone

- Blue Decals on Grills for better Aesthetics
- Available in a RAL code of your choice (24 nos, minimum)

IP SPECIFICATIONS

- WR Version : IP 54 - Offers greater resistance against dust & water

OPERATING PARAMETERS

- Operating positions: Can be deployed horizontally or vertically with the correct installation brackets or can be used as a monitor
- Maximum permitted ambient temperature (Ta max) 55° C (124° F)
- Minimum permitted ambient temperature (Ta min): -20° C (-4° F)

OPTIONAL ACCESSORIES

- See system chart for the System Accessories

SIZE

- Product: 622 x 355 x 457 mm (H x W x D)
- Product: 24 x 16 x 13 inch (H x W x D)
- Packed individually

WEIGHT

- Net : 21.7 Kgs
- Net : 47.8 Lbs

SHIPPING INFORMATION

- Carton Size
697 x 430 x 532 mm (H x W x D)
27.4 x 16.9 x 20.9 inch (H x W x D)
- Gross Weight : 22.7 Kgs / 50Lbs
- Packed : Individually

PRODUCT INFORMATION

- Model No : Alpha Source 412 WR
- Series 4
- Tags : 12" WR-Series Performance Installation Speaker

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Safe Installation & Rigging Practices : Installation must be by authorized personnel, following safety and rigging standards to avoid liability.
*Product specifications and design may change due to raw material variations or the addition of new features and technologies for improved performance and reliability.
*SPL Calculated @ 1m, Free Field with Pink Noise - Crest Factor 4





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