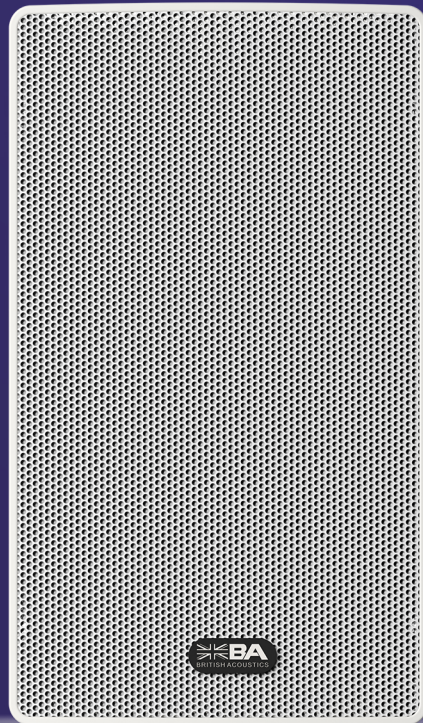


ONYX 234 TW

4.5" TWO WAY INSTALLATION SPEAKERS




BRITISH ACOUSTICS

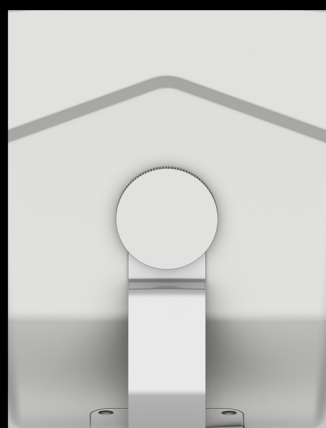
ONYX 234 TW INSTALLATION SPEAKER

Onyx 234 TW: 4.5" All-Weather Surface Mount Speaker with Transformer Tap Flexibility

Designed for architectural installations that demand clarity, coverage, and weather resistance, the Onyx 234 TW is a compact 4.5" full-range surface mount loudspeaker suitable for a wide variety of indoor and outdoor environments. Featuring an axial-motor LF transducer and a 0.75" silk dome HF tweeter, the speaker delivers clear voice reproduction and warm tonal quality across the 85 Hz – 20 kHz range, making it ideal for paging, BGM (background music), and light foreground music. With a peak SPL of 110 dB, it ensures excellent intelligibility in distributed setups without occupying visual space.



The Euroblock terminal, rotary transformer selector, and 8/100V/70V impedance toggle allow seamless integration into low-impedance or high-voltage systems. An IP54-rated housing, impact-resistant ABS enclosure, and non-reflective matte white finish offer lasting durability for moisture-prone or high-traffic zones. Flared LF ports enhance low-frequency support, while a slim-profile design with VS Throne or Yoke 6 mounting options ensures quick installation across corridors, hospitality venues, houses of worship, and retail zones.





ACOUSTICAL SPECIFICATIONS

- Freq. Response (-3 dB) : 85 Hz - 20 kHz
- Freq. Range (-10 dB) : 68 Hz - 20 kHz
- Rated Power : 50W AES, 200W Peak
- H Dispersion : 140° (-6 dB)
- V Dispersion : 140° (-6 dB)
- Crossover : 1.7 kHz Passive
- Nominal Impedance : 8 Ω
- Max Output : 104 dB, 110dB Peak
- 100V/70V Transformer Taps : 5W, 10W, 20W, 40W Available
- Impedance Toggle Switch to choose between 8 Ω or 100V operation
- Euroblock Terminal

SYSTEM SPECIFICATIONS

- Recommended System Control : Can be used without DSP or with the PW-Six DSP for voicing & tonal benefits
- Recommended Subwoofers : See Systems chart for compatible subwoofer
- Recommended Amplifiers : See Amplifier load calculation chart

LF TRANSDUCER

- 4.5" Mid-High Driver with Axial Motors
- 40W AES, 160W Peak
- 1" Voice Coil - Ferrite Magnet
- Special High Strength axial magnetic motors for controlled movement
- Flared Ports for Low Frequency Support

HF TRANSDUCER

- 0.75" Silk Dome Tweeter
- 10W AES, 40W Peak
- 0.75" Voice Coil - Ferrite Magnet
- Silk Dome Tweeter for smooth & natural sound

HOUSING

- Impact Resistant ABS with UV Stabilisers
- Matte White Finish
- Powder coated steel grills
- Rotary Transformer Tap Selector
- Yoke Bracket Included
- No handles, bar mould for easy lifting
- Installation brackets : VS Throne, VS Yoke 6

AESTHETIC SPECIFICATIONS

- British Acoustics Signature Matte Silver Tone
- Non Reflective, Matte White Grills

IP SPECIFICATIONS

- IP 54 - Offers basic protection against dust & splashes

OPERATING PARAMETERS

- Operating Positions : Must be Flush Mounted as per the manual into the ceiling or used with the pendant accessory
- 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: 203 x 157.5 x 101 mm (H x W x D)
- Product: 8 x 6.2 x 4 inch (H x W x D)
- Packed individually

WEIGHT

- Net : 4.2 kgs
- Net : 9.26 Lbs

SHIPPING INFORMATION

- Carton Size
278 x 232.5 x 176 mm (H x W x D)
10.94 x 9.15 x 6.92 inch (H x W x D)
- Gross Weight : 4.41 Kgs / 9.724 Lbs
- Packed : individually

PRODUCT INFORMATION

- Model No : Onyx 234 TW
- Series 2
- Tags : 4.5 " All Weather Surface Mount Speaker

BA & British Acoustics are registered trademarks in the UK and other regions worldwide
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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