

ARCHITECTURAL SERIES

INVISIBLE NEVER SOUNDED SO GOOD

Outline

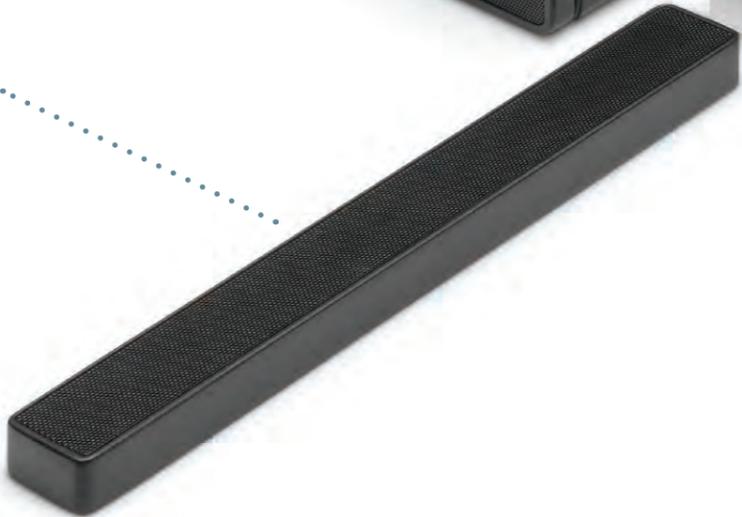


ARCHITECTURAL SERIES

Charlie 4



Ai41



AS6



Ai81





ELEGANCE AND FUNCTION IN PERFECT HARMONY

Outline are proud to introduce the all-new **Architectural Series**, a range of four individual loudspeakers created specifically for **fixed installations** where top quality audio is required with absolutely minimal visual impact.

Comprising two very slim column loudspeakers, an ultra-compact cube loudspeaker and a dedicated subwoofer, this range of products adds a vital component to the toolbox of installation contractors, specifiers and designers.

The Architectural Series' unique combination of very modest dimensions, elegant aesthetics, robustness, accessories and passive electronics makes them the perfect choice for a wide range of applications within leisure, worship, residential, retail, commercial and office environments.

CHOICE AND FLEXIBILITY

The Ai41 and Ai81 mid-high column speakers offer a choice of sizes and power outputs to suit the application, the former featuring four 1.3" neodymium magnet drivers and the latter eight of the same unit in a slightly larger enclosure.

Both loudspeakers also feature a single, centrally-located 0.7" treated silk dome tweeter with integral passive crossover, an unusual feature in comparable designs and one which provides a much sweeter and more natural HF response.

Charlie 4 is, in terms of acoustic performance and dimensions, the equivalent of our Vegas 4 (outline.it). It features the same remarkable 4" transducer but the front panel has been redesigned to be even more discreet and the amplifier connections are via Euroblock only.

The AS6 dedicated subwoofer is equipped with a 6" high-power LF transducer and a passive radiator, allowing it to reproduce the lowest frequencies from an extremely unobtrusive and easily hidden enclosure. It can be used freestanding but can also be wall-mounted if required.



PROCESSING AND POWER

Outline's ground-breaking L3000 power amplifier is the ideal partner for Ai Series. Its flexibility, power and onboard DSP are all contained within its surprisingly modest size. Alternatively, any of Outline's amplifiers will work just as well and the iP24 processor is the perfect external processing partner.

ITALIAN DESIGN FLAIR FOR LOCATIONS EVERYWHERE

The Architectural Series recognises the global demand for loudspeakers whose design allows them to integrate into even the most elegant surroundings, which are compact enough to minimise visual impact but whose acoustic potential allows them to fill spaces as required.

UNOBTRUSIVE AND VERY TOUGH

Outline employs an exclusive manufacturing technique, which creates enclosures in a single piece, eliminating any possible weaknesses caused by traditional jointing and gluing techniques.

The cabinet's HCDF Technology (Hydrophobic Compact Density Fibre) also boasts excellent water-repellent properties and this makes the Architectural Series particularly useful in high humidity environments such as spas and swimming pools. As standard all four units are fitted with galvanized steel, epoxy powder coated front grilles and all are available in black or white textured polyurethane paint.



SMALL IN SIZE, BIG IN SOUND

The acoustic output from the two mid-high units is nothing short of remarkable given their size - with appropriate power and processing the Ai41 (350 mm long by 46 mm wide and 25 mm deep) will produce up to 107.5 dB whilst the Ai81 (identical width and depth but 570 mm long) is capable of an astonishing 112 dB. Charlie 4 measures just 120 mm x 120 mm x 126 mm and has a maximum output SPL of 118 dB.

THE BEST OF BOTH POINT-AND LINE-SOURCE TECHNOLOGY

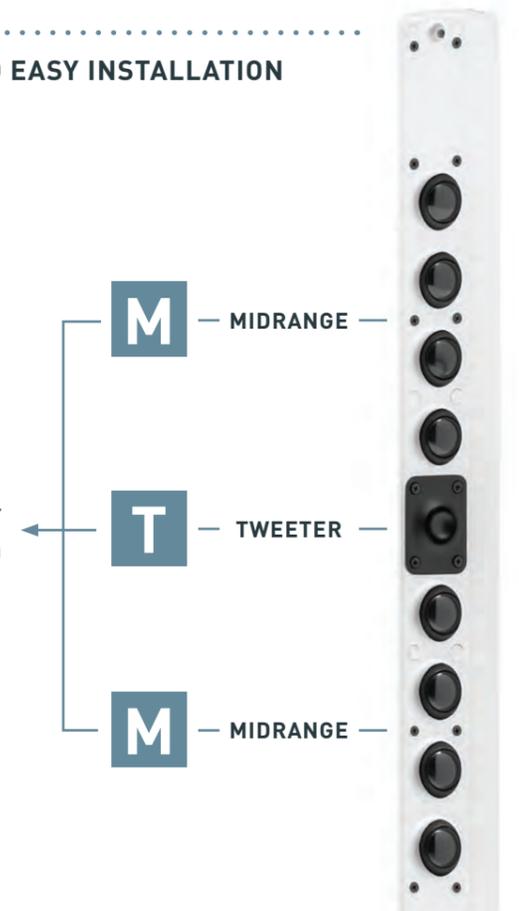
The Ai41 and Ai81 column loudspeakers employ the D'Appolito (or MTM) configuration, where the HF element is mounted centrally between groups of midrange drivers. The acoustic performance advantages of this symmetrical design are well proven.

At the same time, both units benefit from employing the principles of line array theory which provides excellent midrange dispersion control, an especially desirable benefit in highly reverberant locations and which also provides superior intelligibility, particularly in the range of human speech. The crystal-clear HF produced by the centrally-located high frequency transducer completes an impressively 'hi-fi' sonic signature for these loudspeakers.



FAST AND EASY INSTALLATION

Symmetrical MTM design for superior imaging and precision



AN ELEGANT SOLUTION FOR SO MANY APPLICATIONS

As the name suggests, the Architectural Series is designed specifically for permanent installation and especially where unobtrusiveness is priority. Its water-resistance makes it ideal for spas, swimming pools, leisure centres, gyms and sports clubs, while its very compact dimensions allow it to blend seamlessly into the decor of shops, offices, boardrooms, meeting spaces, places of worship and even domestic locations.



ENDLESS APPLICATIONS

Bars / Restaurants & Cafes / Hotels & Resorts / Retail industry / Yachts / Shopping malls / Supermarkets / Storefronts & Boutiques / Hospitality / Residential / Cruise Lines / Educational / School Facilities / Theme Parks / Corporate Offices / Banks / Houses of Worship / Museums / Fitness Studios

HOLISTIC THINKING TO MAKE LIFE EASIER...

The Ai41 and Ai81 feature nominal impedances of 8 ohms and 16 ohms respectively, allowing four Ai41 or eight Ai81 units to be powered by a single channel of amplification, thus reducing project costs without impacting acoustic performance.

The Ai41 and Ai81 can be mounted directly onto a flat surface via dedicated mounting points, or by using the dedicated Ai-WALL1 adjustable bracket which allows either unit to be securely attached but then tilted away from the vertical if required.

Charlie 4 is a 16 ohm enclosure and features all the mounting options of the Vegas 4 via a multi-adaptable dedicated mounting bracket, which allows it to be located securely on a microphone stand or virtually any surface.



Ai41

FEATURES

- » Unibody HCDF Technology*
- » Ultra-Slim stylish design
- » Outstanding intelligibility
- » 2-way Passive Speaker
- » Symmetrical MTM design for superior imaging and precision

* Single moulded unit forming the enclosure, made of HCDF (Hydrophobic Compact Density Fiber)



APPLICATIONS

- » Lounge Bar / Restaurant
- » Houses of Worship
- » Museums
- » Residential
- » Conference
- » Discrete installations

PERFORMANCE SPECIFICATIONS

Frequency Response (-10 dB)	280 Hz – 20 kHz
Horizontal Dispersion	160°
Vertical Dispersion	60°
Impedance (Nom / Min)	8 Ω / 9.2 Ω
Watt AES (Peak) *	160 W
Maximum SPL Output **	107.5 dB SPL

* according to AES2-2012 (+12 dB) standard

** calculated using +12 dB Crest Factor signal (AES2-2012), Half space

PHYSICAL

Component Low	4 x 1.3" NdFeB Full Range driver
Component High	0.7" treated silk dome tweeter
Connector	2-pin Euroblock
Cabinet Material	HCDF (Hydrophobic Compact Density Fiber)
Cabinet Finish	Black or White textured polyurethane paint (overpainted RAL colors on request)
Grill	Epoxy powder coated
Installation points	2 through holes diam. 4 mm on front / 2 x M5 on back
Height	350 mm – 13 6/8"
Width	46 mm – 1 6/8"
Depth	25 mm – 1"
Weight	0.6 kg – 1.3 lb

Ai81

FEATURES

- » Unibody HCDF Technology*
- » Ultra-Slim stylish design
- » Outstanding intelligibility
- » 2-way Passive Speaker
- » Symmetrical MTM design for superior imaging and precision

* Single moulded unit forming the enclosure, made of HCDF (Hydrophobic Compact Density Fiber)



BRACKET FOR Ai81

APPLICATIONS

- » Lounge Bar / Restaurant
- » Houses of Worship
- » Museums
- » Residential
- » Conference
- » Discrete installations

PERFORMANCE SPECIFICATIONS

Frequency Response (-10 dB)	300 Hz – 20 kHz
Horizontal Dispersion	160°
Vertical Dispersion	40°
Impedance (Nom / Min)	16 Ω / 16.6 Ω
Watt AES (Peak) *	320 W
Maximum SPL Output **	112 dB SPL

* according to AES2-2012 (+12 dB) standard

** calculated using +12 dB Crest Factor signal (AES2-2012), Half space

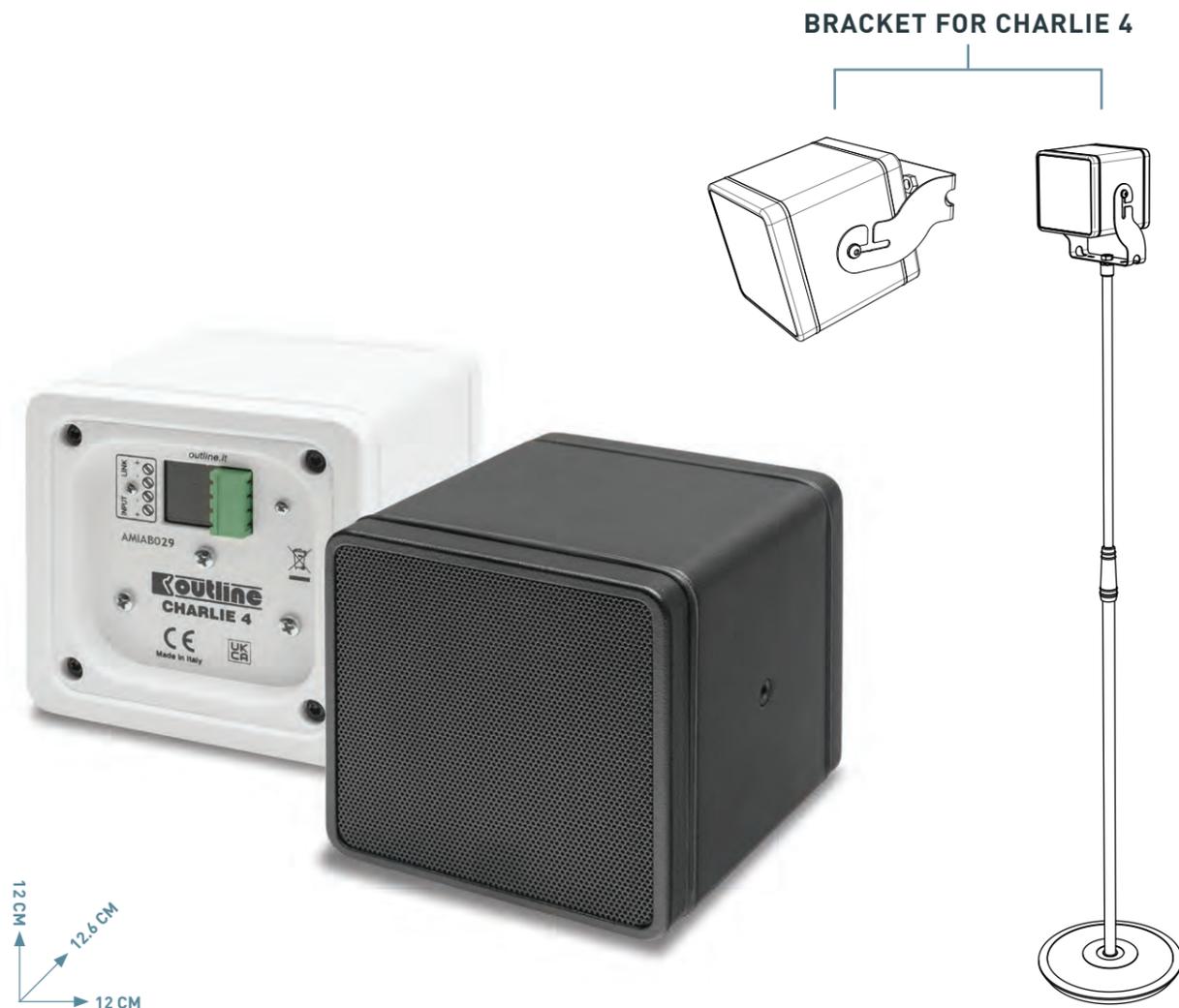
PHYSICAL

Component Low	8 x 1.3" NdFeB Full Range driver
Component High	0.7" treated silk dome tweeter
Connector	2-pin Euroblock
Cabinet Material	HCDF (Hydrophobic Compact Density Fiber)
Cabinet Finish	Black or White textured polyurethane paint (overpainted RAL colors on request)
Grill	Epoxy powder coated
Installation points	2 through holes diam. 4 mm on front / 3 x M5 on back
Height	570 mm – 22 4/8"
Width	46 mm – 1 6/8"
Depth	25 mm – 1"
Weight	0.85 kg – 1.85 lb

Charlie 4

FEATURES

- » A Big Heart in a small body
- » Single-driver advantages
- » Excellent spoken word intelligibility
- » Plug and play solution with Outline L3000 power amplifier
- » Fitted with M4 and M6 installation points and included bracket
- » HCDF (Hydrophobic Compact Density Fiber) ensuring toughest places operation



APPLICATIONS

- » Lounge Bar / Restaurant
- » Houses of Worship
- » Museums
- » Residential
- » Conference
- » Discrete installations

PERFORMANCE SPECIFICATIONS

Frequency Response (-10 dB)	110 Hz – 17 kHz
Nominal Dispersion	Axisymmetric 60°
Impedance (Nom / Min)	16 Ω / 12.7 Ω
Watt AES (Continuous / Peak)	70 (280 W)
Maximum SPL Output *	118 dB SPL

* calculated using +12 dB Crest Factor signal (AES2-2012), Half space

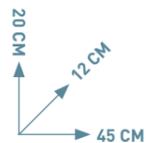
PHYSICAL

Component	4" High Power & Dispersion Fullrange Driver
Connector	4-pin Euroblock
Cabinet Material	HCDF (Hydrophobic Compact Density Fiber)
Cabinet Finish	Black or White textured polyurethane paint (overpainted RAL colors on request)
Grill	Epoxy powder coated
Installation points	2 x M6 + 3 x M4 on the rear panel + 1 x M10 on bracket
Height	120 mm – 4 6/8"
Width	120 mm – 4 6/8"
Depth	126 mm – 5"
Weight	1.55 kg – 3.4 lb

AS6

FEATURES

- » Ultra-Slim stylish design
- » 6" woofer + 6" passive radiator
- » Accurate LF reproduction, extremely low distortion
- » Ai Series' perfect companion



APPLICATIONS

- » Lounge Bar / Restaurant
- » Houses of Worship
- » Museums
- » Residential
- » Conference
- » Discrete installations

PERFORMANCE SPECIFICATIONS

Frequency Response (-10 dB)	42 Hz – 350 Hz
Nominal Dispersion	Quasi-omnidirectional
Impedance (Nom / Min)	8 Ω / 8.6 Ω
Watt AES (Continuous / Peak) *	150 (1500 W)
Maximum SPL Output **	114 dB SPL

* according to AES2-2012 (+12 dB) standard

** calculated using +12 dB Crest Factor signal (AES2-2012), Half space

PHYSICAL

Component	6" woofer + 6" passive radiator
Connector	4-pin Euroblock
Cabinet Material	HCDF (Hydrophobic Compact Density Fiber)
Cabinet Finish	Black or White textured polyurethane paint (overpainted RAL colors on request)
Grill	Epoxy powder coated steel grill
Installation points	2 x M6
Height	200 mm – 7 7/8"
Width	450 mm – 17 6/8"
Depth	120 mm – 4 6/8"
Weight	6.5 kg – 14.3 lb



OFFICIAL WEBSITE
WWW.OUTLINE.IT



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