



Pitt&Giblin

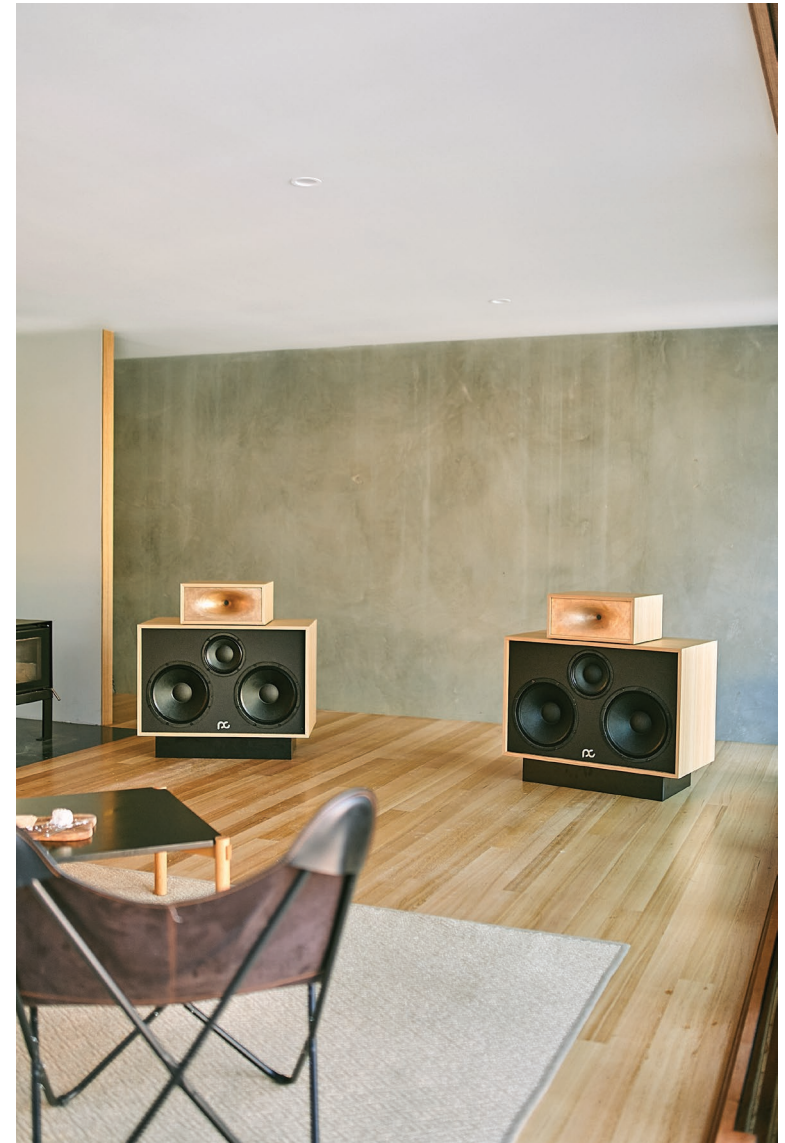
SUPERWAX

Pitt & Giblin's debut product Superwax is designed for high intensity listening bar applications, reference monitoring, and large private spaces. A design stage that spanned two intended venues Superbus & Waxflower is what defines this product by name (Super-Wax), and the product itself is the result of years of experience in professional sound and deep acoustic research and testing. A carefully considered and aptly powerful device that makes a bold statement in any space, yet refined to produce a dynamic and emotional listening experience with broad and consistent frequency response across a wide listening area.

Superwax is constructed using birch plywood, a cabinet material usually reserved for professional products, primarily due to it's expense. An ever expanding range of veneers are offered together with three baffle colours, all precision CNC cut by skillful technicians and assembled by a small team in Hobart Tasmania.

The first of the P&G product range proudly showcases the now eminent elliptical solid cast bronze waveguide in a seperate enclosure, revealing the compression driver and signal cable to the transducer.

With onboard preamplification, amplification, digital to analogue conversion, input selection, and volume control, all you need is a source. We've done all the hard work so you don't have to.





FEATURES & BENEFITS

The three way design is centred around the use of digital signal processing and a large constant directivity waveguide. The DSP technologies allow for waveguide geomtry optimisation beyond what is possible using traditional passive components, and achieves a consistency in frequency response that is best-in-class. The consistent directivity behavior is extended into the midrange region simply due to the inherent width of the main cabinet. Discrete amplifiers drive each loudspeaker element, which further negates any interaction between these devices in the signal chain, further reducing distortion to vanishingly low levels even at high power output.

The midbass cabinet houses two further acoustic elements, the sealed 10" midrange driver and two 15" bass drivers in a reflex enclosure. The tapered midrange cabinet is seperated to the reflex enclosure internally, these elements also function as a longitudinal bracing structure for the cabinet to prevent resonance. Unlike typical bass-reflex cabinets the ports are not tuned high into the mid-bass response to correct for driver rolloff - we can tune this with DSP. The low tuning from the large reflex ports allows for a deep, smooth, and effortless bass response capable of handling the 500w (RMS) available from the Hypex nCore amplifier, and minimises unfavourable mid-bass interactions between the bass ports and close surfaces due to their response.

By guaranteeing that the transducer and amplifier architecture is consistent, concessions do not need to be made for alternate amplifiers that vary the response. Consistency means even the finest of adjustments can be made inside of the digital signal processor to correct for the smallest corrections and alignments. The result is three highly refined tuning profiles loaded on every pair of Superwax, Natural, Live, and Clean. These profiles allow for a range of response curves for varying listening preferences and rooms in which the loudspeaker interacts, without ambiguity or guess work.





APPLICATIONS

Superwax is a loudspeaker designed for listening to music at elevated levels in larger spaces, but has the deft to achieve this both softly, and in smaller more intimate settings.

Listening rooms, recording studios, restaurants, bars, as well as private rooms are suitable applications for Superwax. Coverage has smooth roll off and spreads around 100 degrees horizontally.

We recommend a minimum front wall of 5m width, and a minimum room size of 25m². This allows for the loudspeakers to have some space around them, and given their scale it's also important they don't feel too cramped. Together they take up 2m of horizontal real-estate without any padding, and feel more comfortable in rooms where the listening position is deeper than usual - though this is closer to a style guide than acoustic advice.

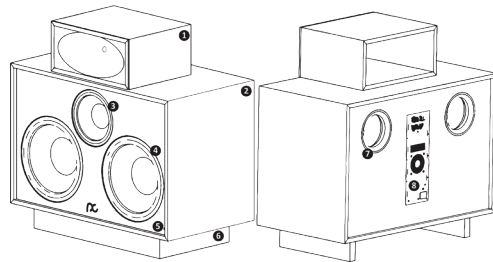
With 850w RMS of power per speaker, and very high sensitivity, this is a product that is capable of causing hearing damage and can easily facilitate noise complaints. We do not recommend it for inner city apartments or noise sensitive areas.

LOUDSPEAKER SPECIFICATIONS

Components	1 x 1" HF 1 x 10" MF 2 x 15" LF
Amplification	Hypex nCore 1 x 100w HF 1 x 350w MF 1 x 500w LF
Processor	Hypex DSP
Frequency response	27Hz-18kHz +/- 1.5db
Bass extension	24Hz -3dB, 20Hz 10dB (half space)
Control interface	IR Remote + USB
Power recepticle	C13 IEC 120-240V
Connections	Analogue XLR Analogue RCA S/PDIF AES Toslink

Dimensions 1000h x 1000w x 550d mm
(with stand)

Weight 92kg net 98kg gross



1. HF Cabinet & Waveguide
2. MF/LF Cabinet
3. MF Driver
4. LF Driver
5. IR receiver & LED
6. Hardwood plinth
7. Bass port
8. Hypex amplifier module.

