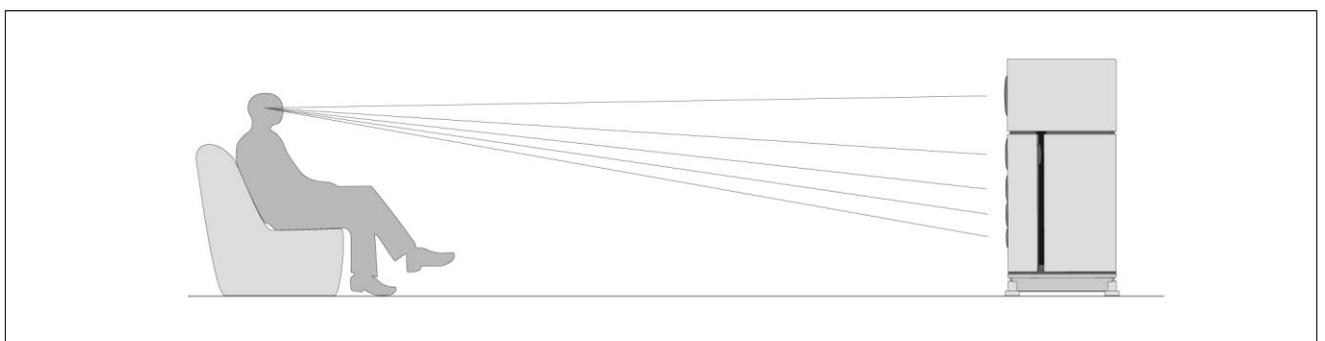
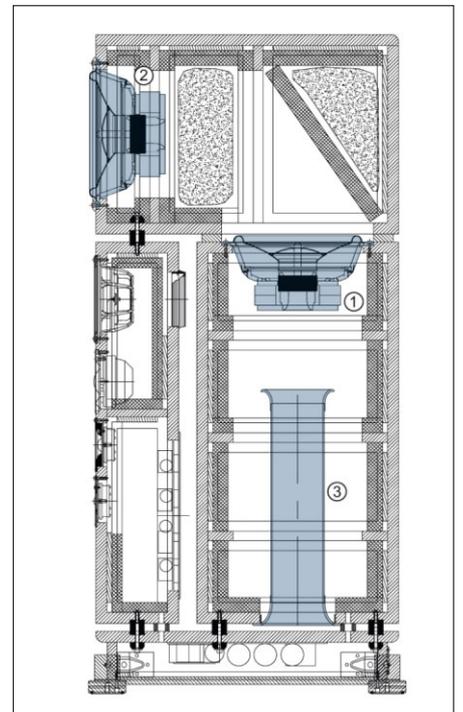


Product Information Consequence UE

Technical advantages and specialities of the new Consequence Ultimate Edition

The **Compound System** features two bass drivers in two separate cabinet enclosures. The inner driver (1) operates in-between the two cabinets and ensures that the air pressure in the upper bass cabinet remains constant at all times. As the damping for the outer bass driver (2) remains the same, independent of the movement of the cone, this woofer performs as if it is in a cabinet enclosure of an infinite volume. The advantage of the Compound System is a precise bass reproduction down to the lowest frequencies - without any overlay of resonance.

For Consequence Ultimate Edition, the Compound System design was further developed into a **Vented Compound System** via the use of a specially tuned, extraordinarily large bass reflex port (3). The Vented Compound System enhances the bass performance dramatically; advantages of the Vented Compound system are: low-bass reproduction free of audible resonance, an impedance which remains linear, and a greatly expanded bass extension (down to 17 Hz).



The **'inverted' driver positioning** is important for achieving correct acoustical timing and coherence. The impulse response of different drivers varies due to the mass and the electric parameters. For example, a bass driver by principle reacts much slowly than a tweeter. In the Consequence Ultimate Edition, each driver position physically compensates for time delays, with a longer listening distance to the tweeters than to the mid and bass drivers. Therefore, all frequencies reach the listener at exactly the same time. The result is a fascinating transparency and three-dimensional, point-source imaging.

Product Information Consequence UE



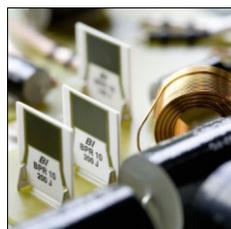
In such an advanced **five-way-concept** it is necessary that every driver operates within a dedicated, limited bandwidth. In order to achieve the perfect overall frequency balance without the need for complex crossover filtering, Dynaudio precisely shaped the driver front plates and rings in countless development stages, accurate to a micrometer, factoring in the individual driver parameters. In an elaborate and time-consuming process, all driver basket rings and even each single screw are plated in either Chrome or real Gold.



The Variovent system improves the sound quality in the upper bass and midrange. Two Variovent openings are implemented into the mid cabinet section and work as defined air flow resistors in order to reduce resonance. Dynaudio already used Variovent cabinets since the very beginning and therefore has achieved a great advance in this field.



The 30cm bass driver is a completely new development – a special long-throw construction with a large voice coil and a huge magnet system. The Consequence Ultimate Edition's upper bass cabinet and the bass driver both have the dimension of a substantial subwoofer – but with even better performance thanks to the advanced Vented Compound system, itself consisting of a second 30 cm bass driver and an extra-ordinarily large bass reflex system. The tonal result is a low-bass performance with unrivalled precision and depth, at a level of quality that no other loudspeaker has achieved.



The crossover uses the most advanced components in an unparalleled PCB layout. Designed for highest signal purity and lowest electromagnetic interference, the crossover is divided into three PCB sections and consists of unique high frequency film resistors, special flat wire copper coils, polypropylene capacitors, ceramic resistors mounted onto a metal plate for absolute temperature stability, and other components of the highest-quality. For ideal amplifier compatibility, an impedance equalisation circuit is included. The largest crossover board is mounted onto a dedicated CNC-machined compartment of the wooden base plate in order to further reduce mechanical resonance. The crossover is wired to the midrange drivers and tweeters exclusively with Dynaudio Ocos loudspeaker cable.



The Cabinet is designed in reference to the original Consequence model but is in fact an all-new construction with 25% more cabinet mass than the original model. It is made of multi-layered low resonance HDF panels with an overall thickness of 32 mm. The design is constructed of three modules plus a special base-plate in order to avoid mechanical interference of the individual drive units and of the crossover. The mid cabinet section is decoupled by special dampers between the upper bass cabinet and the base plate. This advanced cabinet design allows each driver to perform at its best and is one of the many secrets of the Consequence Ultimate Editions' unparalleled sound quality.

Product Information Consequence UE

Technical Specifications

Sensitivity (2.83 V/1 m):	85 dB
IEC Long Term Power Handling:	> 400 watts
Impedance, Nominal:	4 ohms
Frequency Response: (+/- 3 dB)	17 Hz – 30 kHz
Internal Cabinet Volume:	145 litres
Bass Principle:	Vented Compound, 5 way
Weight:	114 kg
Dimensions (W x H x D):	430 x 1330 x 630 mm
Crossover Frequencies:	350 Hz, 1350 Hz, 3 kHz, 13.5 kHz
Crossover Slope:	Woofers 12 dB/octave; Low Midrange 6 & 6 dB/octave; Midrange 6 & 6 dB/octave; Tweeter 6 & 6 dB/octave; High Tweeter 12 dB/octave

Remarks:	Super tweeter:	<ul style="list-style-type: none"> • 21E² Consequence: Esotar², 21mm soft dome • Pure aluminium wire voice coil • Neodymium magnet system, magnetic fluid, rear chamber
	Tweeter:	<ul style="list-style-type: none"> • 28E² Consequence: Esotar², 28mm soft dome • Pure aluminium wire voice coil • Neodymium magnet system, magnetic fluid, rear chamber
	Midrange:	<ul style="list-style-type: none"> • 52E Consequence: Esotar, 52mm soft dome • Pure aluminium wire voice coil • Magnetic fluid, rear chamber
	Mid-woofer:	<ul style="list-style-type: none"> • 170E Consequence: Esotar, 17cm woofer in die cast aluminium chassis • One piece moulded MSP cone • 75mm pure aluminium wire voice coil wound on aluminium former • Mounted in Variovent cabinet
	Woofers:	<ul style="list-style-type: none"> • 300E Consequence: Esotar, 30cm woofer in die cast aluminium chassis • 75mm, pure aluminium wire, long throw voice coil, wound on aluminium former • Woofers are arranged in a vented compound system
	Crossover:	<ul style="list-style-type: none"> • Capacitors with low loss dielectric • Zero compression resistors • Air coils
	Cabinets:	<ul style="list-style-type: none"> • 22mm MDF with internal 10mm damping plates • Cabinets and base mounted with vibration damping rubber