

OCTAVE

PRODUCT OVERVIEW
2024





OUR DNA

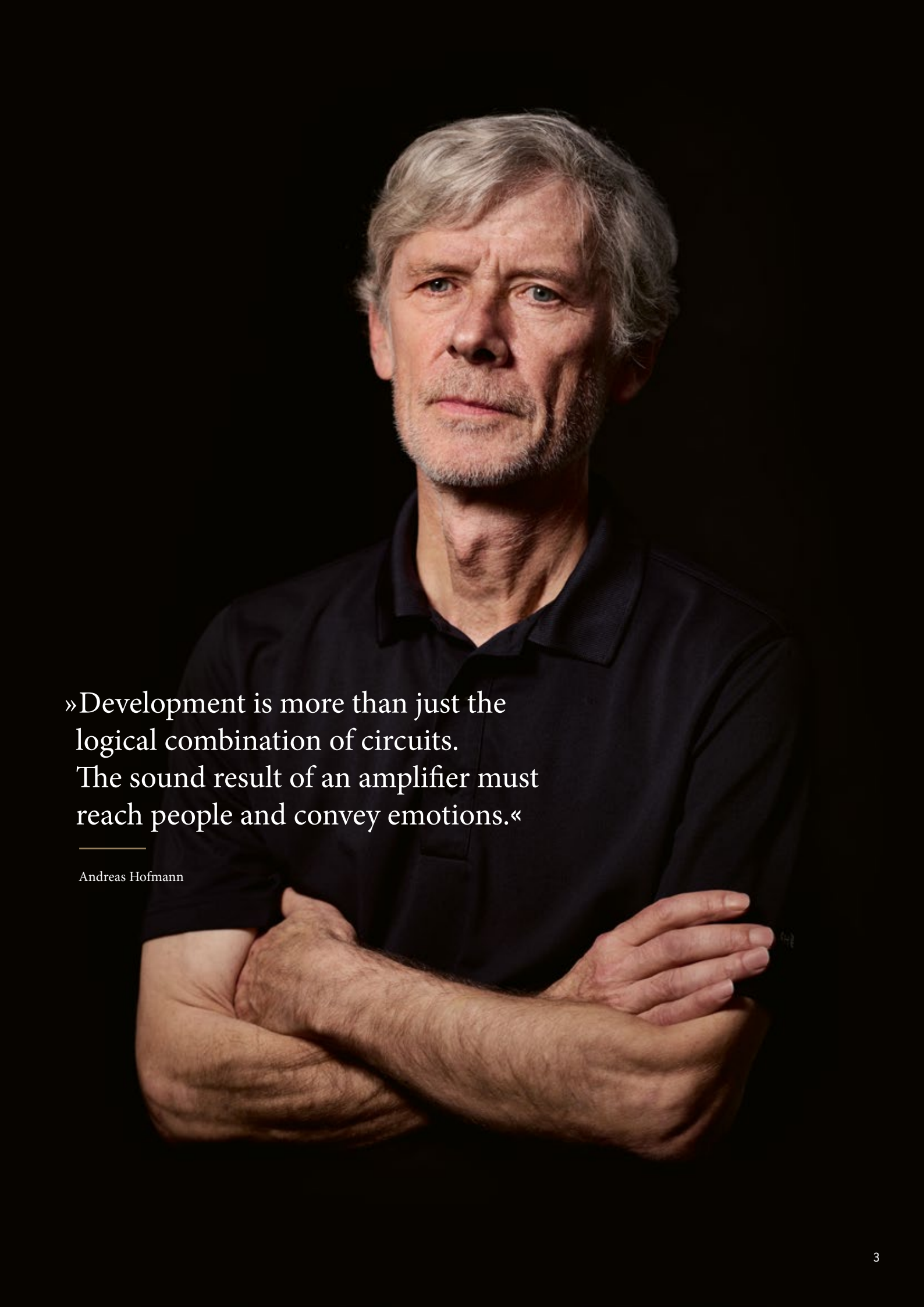
Music moves. It triggers emotion, awakens energy, motivates.

An amplifier must be able to reproduce the soul of the music, the fun of listening to music, without making itself noticeable. It's not about tube sound or transistor sound, but about the purity of the sound, of connecting with the music itself.

At the heart of Octave is founder and visionary, Andreas Hofmann. For over 35 years his unique approach to amplifier design and construction have revealed the soul of music by combining the purity and beauty of tubes with numerous technical innovations.

Octave amplifiers are the result of this symbiosis: each model represents a fusion of traditional craftsmanship and the latest technology, developed to reproduce every musical detail in its purest form.

Our factory reflects the second aspect of our identity: Meticulous craftsmanship of bespoke products 100 % built in Germany. From development to production to the final testing process, everything happens under our roof. The transformers, the heart of every Octave amplifier, are tailor-made and precisely manufactured in-house in our transformer winding shop. The vast experience and high skill of the company's long-standing employees ensure continuous quality and professional service. The depth of production enables us not only to produce sustainably, but also to guarantee the longevity of our products, which extends far beyond the usual service life. At Octave, we offer not just amplifiers, but a lifelong sound experience. Experience the world of Octave amplifiers, where each and every model is a promise of endless musical discoveries.

A portrait of Andreas Hofmann, a middle-aged man with grey hair and a beard, wearing a dark polo shirt. He is standing with his arms crossed against a black background. The lighting is dramatic, highlighting his face and arms.

»Development is more than just the logical combination of circuits. The sound result of an amplifier must reach people and convey emotions.«

Andreas Hofmann

JUBILEE SERIES



JUBILEE SERIES

Any visit to a live concert reveals the clear limitations of musical reproduction at home. As a passionate music lover of various genres and a frequent concert-goer, Andreas Hofmann no longer wanted to accept these restrictions. This motivation gave rise to the idea of the Jubilee line: The aim was to create amplifiers that make it possible to transport the grandiose experience of large musical performances and the authentic sound of an orchestra hall directly into one's own living room. The Jubilee models were specifically designed to exceed the usual technical limits.

The goal was to develop nothing less than the world's best and most aesthetically pleasing amplifiers. This is how the Jubilee project began in 1993.



JUBILEE PREAMP

Since its debut in 1998, the Jubilee preamplifier has continuously represented the sonic pinnacle of Octave preamplifiers. With its precise balancing stage utilizing tube technology and the discrete output stage employing semiconductor technology, each consistently implemented in a zero-feedback design, it sets the standard: No other Octave amplifier has ever achieved such great heights to create such an incomparable sound experience.

JUBILEE MONO ULTIMATE

The Jubilee Mono Ultimates mark the culmination of more than two decades of development work on Jubilee technology. It aimed to fundamentally revolutionize push-pull power amplifiers. Equipped with eight KT170 tubes and delivering an impressive output of 440 watts per channel, these amplifiers unleash a sovereign, irresistible power. Their strength is enormous, their sound profound, stable and natural. The high-performance transformer specially developed for the Ultimate ensures a deep bass that can be felt under the skin. They redefine what state-of-the-art tube power amplifiers can achieve.

JUBILEE 300 B

The Jubilee 300 B single-ended monoblocks represented the greatest development challenge for Andreas Hofmann. His goal was to combine the seductive triode sound with impressive power and dynamics. He mastered this task with flying colors, which was ultimately recognized with the rarely bestowed innovation award from the German magazine Stereoplay



PREAMPLIFIERS



HP 700 SE

When you experience this preamplifier live, terms such as spatiality, depth layering, powerful fundamental tone, deep bass and silky highs immediately spring to mind. The highly specialized Octave preamplifier circuit, which has an extreme bandwidth of up to 1 MHz and the lowest distortion of 0.001 %, plays a key role in this. The essence of this preamplifier is also characterized by its modular design, which makes it almost infinitely upgradeable: Phono RIAA, modular inputs for phono and line level, precision resistor stepped volume attenuator, and Control Unit with tone and balance control, plus selectable RCA and XLR outputs.





HP 300 SE

Lightning fast, effortless, dynamic, natural and open, free, powerful bass – these sound characteristics best characterize the HP 300 SE preamp.

In terms of circuitry, the very “short signal path” and the low negative feedback enable incredible speed. The large variety of connections including phono, the 3-stage amplification and balancing transformer for XLR make the HP300 SE a unique all-rounder in its class.



PHONO MODULE

Vinyl is a passion. Octave has developed the Phono Module for music lovers who follow this passion. It combines all variants of phono listening at the highest sound level: from the simple MM/MC input to the sophisticated XLR step-up transformer, it celebrates the world of natural phono sound.



PHONO EQ2

Don't be fooled by its compactness: The Phono EQ.2 is a top-class external phono preamplifier for either MM or MC, with a pure and natural sound and can also be precisely adjusted to the pickup used.

POWER AMPLIFIERS





RE 320

The RE 320 stereo power amplifier offers more power than its predecessor and boasts a completely new push pull design. This speeds up its acceleration, ensures higher resolution and expands the presented space. The joy of its thrilling performance is always based on an unfazed, powerful foundation. Technically speaking, a new power supply technology, highly specialized transformers and the (optional) high-current KT 150 tubes enable unshakable stability with a maximum output power of approx. 2 x 130 W. The bandwidth of the RE 320 ranges from 5 Hz to 85 kHz.



MRE 220 SE

Not all speakers are created equally. What a speaker needs to be able to play at its highest level can be seen from the efficiency and the impedance curve, among other things.

In order for our MRE 220 SE “tube engines” to “drive” various loudspeakers even better and more individually, a circuit was developed in which the damping factor can be selected between “Low” and “High”. The high output power of 220 W always provides sufficient reserves.

INTEGRATED AMPLIFIERS



V 80 SE

The V 80 SE sets new standards for integrated amplifiers. It is the crowning glory of the Octave integrated amplifier range and represents a serious alternative to preamplifier and power amplifier separates. In terms of sound, it is something special: remarkably powerful, particularly dynamic, naturally rich in tones, extremely safe. As with separate components, the V 80 SE offers a variety of inputs and outputs, and there is also a balanced input. It is the only integrated amplifier in the Octave range offering a high-quality, extremely low-distortion 6.3 mm headphone jack (< 0.008 % at 200 ohms).



Output power: High 120 W, Low 70 W
HT Bypass, Pre-Out, Ecomode, Option Phono MC,
MM on request



Output power: High 50 W, Low 25 W
HT Bypass, Pre-Out, Ecomode, Option Phono MC,
MM on request

V 70 CLASS A

The legendary Class A circuit concept offers a harmonious sound but frequently only at low power and dynamics. Push-pull A/B concepts, on the other hand, deliver significantly more power but with higher distortion. With this amplifier, Andreas Hofmann combines both concepts to create something extraordinarily new: The V 70 Class A brings the sonic beauty of Class A together with the dynamics and performance of push-pull A/B operation. Technically speaking, the V 70 Class A has an auto-bias circuit for the standard KT120 or KT88 output tubes and the option of using EL34 or 6550 output tubes in the LOW Power setting. This makes the V 70 Class A an ideal partner for most dynamic speakers and even high-efficiency horn systems.

V 70 SE

The V 70 SE benefits from innovations compared to its predecessor. Developed with meticulous care and built in the larger chassis of its V 80 SE sibling, the V 70 SE can showcase its sonic skills and at the same time offers highly desirable features such as XLR input, home theater bypass and an optional phono board. The V 70 SE offers high power reserves (70 W) to drive even large speakers. With rock music, it can stir up storms, and with classical music, it celebrates the splendor of timbres and acoustic space.



Output power: 70 W
HT Bypass, Pre-Out, Ecomode, Option Phono MC,
MM on request

ADDITIONAL COMPONENTS



FILTER 3-P

All the digital systems in modern households emit interference that affects the hi-fi components and thus also the sound of the hi-fi system. This filter system is specially designed to act directly in the path of the interference, namely in the analog signal cabling connected between components.

Available for RCA or XLR
Interference suppression (CMRR)
> 80 dB



SUPER BLACK BOX

The Super Black Box is a passive power supply extension that was designed for Octave integrated and power amplifiers. The massively increased storage capacity of the power supply significantly increases the pulse power and fineness of the amplifier.



BLACK BOX

The Black Box is a smaller version of the Super Black Box with the same concept. It contains a similar, but reduced circuit with capacitors to increase the capacitance of the power supply of the connected amplifier while stabilizing the power supply against mains fluctuations. Low-frequency mains interference is perfectly suppressed.



BLACK BOX PREAMP

Like the Black Box and Super Black Box for power amplifiers, the Black Box Preamp is a power supply extension for the Octave Phono Module with a storage capacity increase of a factor of 6. The Black Box Preamp significantly increases the dynamics and stability of the Phono Module.

INPUT MODULES

For HP700SE and Phono Module



IN1: MM RCA

An analog MM phono input with two switchable input impedances: 47 kOhm and 1 kOhm.



IN2: MC RCA

An MC phono input with two gain levels. The input impedance can be varied from 60–1000 Ohm.



IN3: MC XLR

A balanced MC phono input with two gain levels. The input impedance can be varied from 60–1000 Ohm.



IN4: LINE IN

An additional high-level input for XLR or RCA. The selection is made via a push button on the back.



IN6: MC STEP UP

A transformer for low-impedance MC systems. The transmission factor can be switched between Gain 15 and Gain 30.



IN7: XLR MC STEP UP

A transformer with balanced inputs and a transmission factor of 1:20. Recommended for long phono cables.



IN8: XLR line with transformer

A line input module with a balanced input transformer. Ideal connecting link to USB DACs and music servers.



IN9: RCA line with transformer

A line input module for RCA with input transformer. Perfect for DACs, streamers etc.

OUTPUT MODULES

For the Phono Module



OUT1: RCA STANDARD

A RCA output that expands the Phono Module into a passive preamplifier.



OUT2: Direct Drive RCA

With the tube output module OUT2 it is possible to directly control unbalanced power amplifiers with the variable output. The fixed RCA output is intended for connection to high-level inputs.



OUT3: Direct Drive XLR

With the tube output module OUT3 it is possible to directly control balanced power amplifiers with the variable output. The fixed RCA output is intended for connection to high-level inputs.

PERFECTION IN EVERY DETAIL



INNOVATIVE DEVELOPMENT

We believe revolutions in amplifier design are possible even today. Octave amplifiers are characterized by revolutionary sonic performance, impressive build quality and sustainable durability. They are also noteworthy for their flexibility and high level of user-friendliness. The Octave Power Management System controls and monitors all processes – from gentle start-up control to heating and voltage control to monitoring relevant safety functions. All of these measures serve a single purpose: decades of unadulterated musical enjoyment.

BESPOKE TRANSFORMERS

In every amplifier, the transformers play a crucial role in the sound experience. Octave calculates and manufactures its proprietary transformers in-house in its own transformer winding shop, based on design principles developed over many decades. Our spectrum of expertise ranges from small MC step-up transformers to powerful 1.5 kW output transformers and to highly efficient, ultra-low-noise mains transformers: all built specifically for each model to ensure optimal performance in all our products.



DURABLE DESIGN

Every Octave model is designed and built in Germany – from development to the finished, handcrafted product. The accurate planning and production of every mechanical detail is particularly important to us. From the rotary knobs to the front panels to the entire chassis concept: everything is precisely coordinated, resulting in an aesthetic, functional and sonically-optimized complete component that retains its beauty and value for years. In short: perfection in every detail.





OUR STATEMENT

OCTAVE JUBILEE SERIES
MONO ULTIMATE + JUBILEE PREAMPLIFIER

Nearly thirty years ago, Andreas Hofmann designed the first Jubilee Preamplifier. Today, Octave is pleased to present his latest efforts in pursuit of sound reproduction as he thinks it should be: intense, emotional, and incomparable.

Octave Audio: Perfection in Every Detail



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