

## Product Brochure



Chord Electronics Ltd.



# WELCOME TO THE EXTRAORDINARY

Welcome to Chord Electronics, an extraordinary breed of hi-fi, of sound-producing devices where music, no matter what its origins, is presented in its purest and most unadulterated form. In our pursuit of resolution and absolute clarity, we develop multi-award-winning proprietary processes without compromise; technology at the apogee of its game. It is these very same processes which afford us the ability to question how you can enjoy our products the most. This is why when you experience our designs, they are unapologetically unique: they don't follow convention, they provide extraordinary sound and a mechanical design to suit your lifestyle.

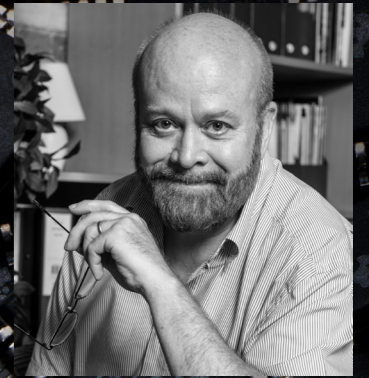


# CUTTING EDGE TECHNOLOGY. MULTI- AWARD-WINNING SOUND.

**THE ANALOGUE:** Errors at 30,000ft simply cannot happen. Where safety nets do not exist, electrical engineering for aircraft must only be first-rate. Infallible. However, back in the 1980s where control systems were mostly analogue, engineers had encyclopedic knowledge. One such engineer was John Franks. John was not only a skilled engineer, but a passionate audiophile and knew that there was a clear crossover between avionics and high fidelity.

For his amplifiers, intelligently shielded switch-mode power supplies, able to refill the capacitors at a much faster rate than toroidal transformers, were the only way to reproduce bass frequencies with true precision, and for the amplification devices themselves, the MOSFETs, John worked tirelessly to develop his own unique and utterly transparent devices. Free of distortion and so musical, Chord Electronics' analogue technologies are in a class of their own.

**THE DIGITAL:** Our digital master, Rob Watts, has been designing and perfecting DACs for decades but Rob was not just an engineer he was an audiophile, a surprising rarity amongst the profession. Disappointed by the constant limitations dictated by the package size and the obvious budget restrictions to make a chip a realistic commercial opportunity, he began designing his own using FPGAs, remarkable programmable chips. Restricted only by their physical processing power or 'canvas size', not by design, Rob developed the scalable WTA filter and Pulse Array technologies, and it is these incredible proprietary technologies, protected by military-grade encryption, which extract far more information from the original recording than ever before. As a result, our digital devices are unique, multi-award-winners and have up to 600x the resolving power of a chip DAC.



*John Franks*  
Owner and Chief Designer



*Rob Watts*  
Digital Consultant

**ABBEY ROAD  
METROPOLIS MASTERING  
SKYWALKER SOUND  
SONY MUSIC JAPAN  
AIR STUDIOS**

AUDIO ENGINEERS AFFILIATED WITH  
CHORD ELECTRONICS LTD.

GRAMMY AWARD WINNING MASTERING ENGINEER  
**TIM YOUNG**

GRAMMY NOMINATED MUSIC PRODUCER  
**MICHAEL BEINHORN**

GRAMMY NOMINATED MASTERING ENGINEER  
**STUART HAWKES**

BRIT AWARD WINNING PRODUCER AND MIXER  
**MIKE CROSSEY**

GRAMMY AWARD WINNING MIXER  
**DOM MORLEY**

**FROM MUSIC MAKER  
TO  
MUSIC LOVER**

If you've listened to music produced within the last 30 years, then there's a good chance that Chord Electronics was a part of the recording process. Our vast family of professional mix engineers, producers and mastering engineers, choose our precision amplifiers and DACs for their reliability and the incredible window into the music that they bring back to the original recorded performance.





# CRYSTAL CLEAR CLARITY BY MASTER CRAFTSMEN FOR 30 YEARS

When you invest in a Chord Electronics product, you're investing in hi-fi built like no other. For over 30 years, we've manufactured our products exclusively in Great Britain, where every facet of production is intimately controlled and perfected to tight tolerances. We use a harmonious marriage of traditional processes and the very latest machinery, to achieve our pursuit of excellence.

Before a product leaves our factory, each and every element is checked and poured over by both a master craftsman and a computer program, to ensure that it arrives to you in perfect condition, ready to take your music playback to the extraordinary.



# DISCOVER THE EXTRAORDINARY

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There is power and mystery in music. It can alter your mood, evoke old memories, spark ideas, send shivers down your spine, break (and mend) your heart, take you out of yourself and unite you with a million others. What you hear is important: but it's what you feel that really matters. We design our products to deliver a deep, immersive, visceral experience, opening the window between you and the recording as it takes you right into the music, revealing every note and nuance, every beat and breath, exactly as it was originally performed. From portables to big box Reference hi-fi, discover how with power, precision, speed and clarity, we'll transform the music that you love most.





## Mobile

*Your headphone listening experience, revolutionised*

Discover multi-award-winning sound on-the-go with our pocketable and truly portable product range.





## Mojo 2

### Portable DAC and Headphone Amplifier

A next-generation FPGA-based portable DAC/headphone amplifier with advanced proprietary technology. Mojo 2 builds on the multi-award-winning Mojo and adds exciting new features plus improved performance.

Aluminium finishes: Jett black



Truly portable



Made for headphones



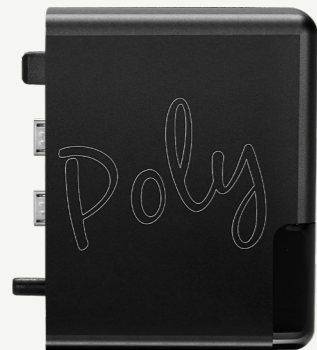
768kHz playback



DSD 256 via DoP



7hours Battery life



## Poly

### Music Streamer and Music Player for Mojo



A music streamer/player that combines with Mojo for wireless music streaming and playback from its Micro SD. With Wi-Fi, Bluetooth® wireless technology and AirPlay, Poly streams from Tidal, Qobuz, Roon, DLNA devices and more.

Aluminium finishes: Jett black



WiFi Connectivity



Bluetooth® wireless technology



Micro SD Storage



768kHz Playback



9hours Battery life







## Qutest

*A big performance without the big box*

Size doesn't always matter. A multi-award-winning compact and stealthy range of separates, sitting at the cutting edge of hi-fi.



## Qutest

*Digital to Analogue Converter*



With DAC architecture based on the award-winning Hugo 2, Qutest offers class-leading digital conversion, four-stage filtering and a powerful custom-coded FPGA. Wide-ranging connectivity, including Dual Data, adds versatility.

Aluminium finishes: Jett black

49,152 tap FPGA DAC design	Galvanic isolation	768kHz playback	Up to DSD 512 via DoP & Native	Selectable line level



## Huei

*Phono stage*



Based on 30 years of amplifier-building expertise, Huei is a compact powerhouse with all the hallmarks of Chord Electronics' legendary design. Huei offers MM/MC compatibility and integrates turntables to our amplifiers.

Aluminium finishes: Jett black

Moving magnet compatible	Moving coil compatible	Selectable gain	Selectable impedance	Rausch slope rumble filter



## Anni

*Integrated Amplifier*



The new Anni brings award winning ULTIMA tech to desktop setups. Anni is perfect to pair with high-performance headphones, desktop monitors and high-resolution audio sources.

Aluminium finishes: Jett black

10 W into 8Ω	Advanced dual feed forward error correction	Fully balanced circuitry	Class A/B sliding bias	-92dB Signal to noise ratio



## Qutest Stand System

*Stackable stand system for the Qutest range*



Designed to compliment the sharp edged look of Qutest range systems, the Qutest Stand System takes into mind, stackability and unprecedented build quality with an additional thermal pad for improved heat dissipation.

Aluminium finishes: Jett black

Stacks with existing Chord equipment	Solid aircraft grade aluminum	Precision Machined in Great Britain





# Hugo

*The last word in transportable audio*

Elevate hi-fi and headphone performance at home or away with benchmark performance and ground-breaking connectivity. Convenience is guaranteed.





## Hugo 2

*Transportable DAC and Headphone Amplifier*



A powerful and class-leading DAC and headphone amp that builds on the ground-breaking original. Designed for both home and mobile use, Hugo 2 transforms headphones and audio systems' sound quality with cutting-edge technology.

Aluminium finishes: Jett black / Argent silver



49,152 tap  
FPGA DAC  
design



Transportable  
design



768kHz  
playback



Up to DSD 512  
via DoP & Native



8hrs  
Battery



## 2go

*Music streamer/player for Hugo 2 and more*



2go is a music streamer and MicroSD (up to 2TB) playback module for Hugo 2 and more, that enables wired ethernet, Wi-Fi and Bluetooth® wireless technology. Effortlessly stream and playback from digital libraries, all with app control.

Aluminium finishes: Jett black / Argent silver



WiFi or  
Ethernet  
Connectivity



Bluetooth®  
wireless  
technology



768kHz  
Playback



2x Micro SD  
Storage



8hours  
Battery life



## 2yu

*Audio interface for 2go*

2yu is a musically transparent interface that connects directly to 2go to offer its best-in-class streaming capabilities and musical performance to other devices.

Aluminium finishes: Jett black / Argent silver



WiFi or  
Ethernet  
Connectivity



Bluetooth®  
wireless  
technology



768kHz  
Playback



2x Micro SD  
Storage



BNC  
Output





## Table Top

*Hi-fi without convention*

Bring big-box performance to the table top with a convenient, sophisticated, stackable mechanical design, supercharged with Chord Electronics' proprietary technologies.

## Hugo M Scaler

### 1M-tap Digital Upscaler

Hugo M Scaler is a revolutionary upscaling device, capable of redefining digital audio quality when used with a dual-BNC-input Chord Electronics DAC. It contains the most advanced digital filter in the world, outputting 16x the resolution of CD.



Aluminium finishes: Jett black / Argent silver

- 1M-tap digital upscaling filter
- User selectable upsampling
- 768kHz playback
- Up to DSD 512 via DoP & Native
- Galvanic isolation



## Hugo TT 2

### DAC, Preamplifier and Headphone amplifier

Developed from the multi-award-winning transportable Hugo 2, the Hugo TT 2 is bigger, better and more advanced in every way. TT 2 sets a new benchmark for table top DACs, eclipsed only by our flagship DAVE.



Aluminium finishes: Jett black / Argent silver

- 98,304 tap FPGA DAC design
- Supercapacitor energy storage
- 768kHz playback
- Up to DSD 512 via DoP & Native
- Galvanic isolation



## BerTTi

### 75W Stereo Power Amplifier

The most affordable ULTIMA-technology stereo power amplifier in the portfolio, BerTTi brings the next-generation ULTIMA topology to the ground-breaking Table Top (TT) range.



Aluminium finishes: Jett black / Argent silver

- 75W into 8Ω
- Proprietary MOSFET design
- High frequency switch mode power supply
- Fully balanced circuitry
- Compact design





# Choral

*One giant leap in hi-fi*

Forget tradition: loaded with vanguard technology, Choral defies its meticulously crafted compact chassis to provide an out-of-this-world reference-quality experience with extraordinary flexibility.

## Symphonic

### Phono stage



Our reference-level phono stage, the Symphonic brings advanced features plus our proprietary amplifier technology to vinyl replay, enabling the easy integration of turntables into any system thanks to a multitude of switching options.

Aluminium finishes: Jett black / Argent silver



Moving coil compatible



Selectable gain



Selectable impedance



Rausch slope rumble filter



Fully balanced circuitry



## DAVE

### DAC, Preamp and Headphone amplifier



DAVE is our flagship DAC, a true reference-level product, loaded with our latest-generation (and most advanced) FPGA technology. With preamp and headphone amp functionality, DAVE offers tremendous value, too.

Aluminium finishes: Jett black / Argent silver



164,000 tap FPGA DAC design



Preamp functionality



Supports 800Ω headphones



768kHz playback



Up to DSD 512 via DoP & Native



roon tested

## Prima

### Five Input Preamp



The Prima preamp has been designed to harmoniously complement the incredible Etude power amp. Fully balanced with five inputs including XLR, Prima also offers real flexibility with six independent input gain adjustments.

Aluminium finishes: Jett black / Argent silver



5 Stereo analogue inputs



1 Stereo output



-98dB SnR



Fully analogue signal path



Fully balanced circuitry



## Étude

### 150W Stereo Power Amplifier



Featuring technology derived from the aerospace industry, the Étude is an incredibly compact stereo amplifier with stunning power, speed and resolution. With dual feed forward error correction, Étude is a standout performer for the price.

Aluminium finishes: Jett black / Argent silver



150W into 4Ω



Bridgeable to 300W into 4Ω



Advanced dual feed forward error correction



Class A/B sliding bias



Fully balanced circuitry





## Ensemble Stand

### *Choral System Rack*

Precision machined from a solid block of aircraft-grade aluminium billet, and a work of art on its own, the Ensemble Stand is irrefutably the best way to secure, display and optimise the Choral system components.



Aluminium finishes:

Jett black



Argent silver



Stacks with existing Chord equipment



User configurable height - S, M, L

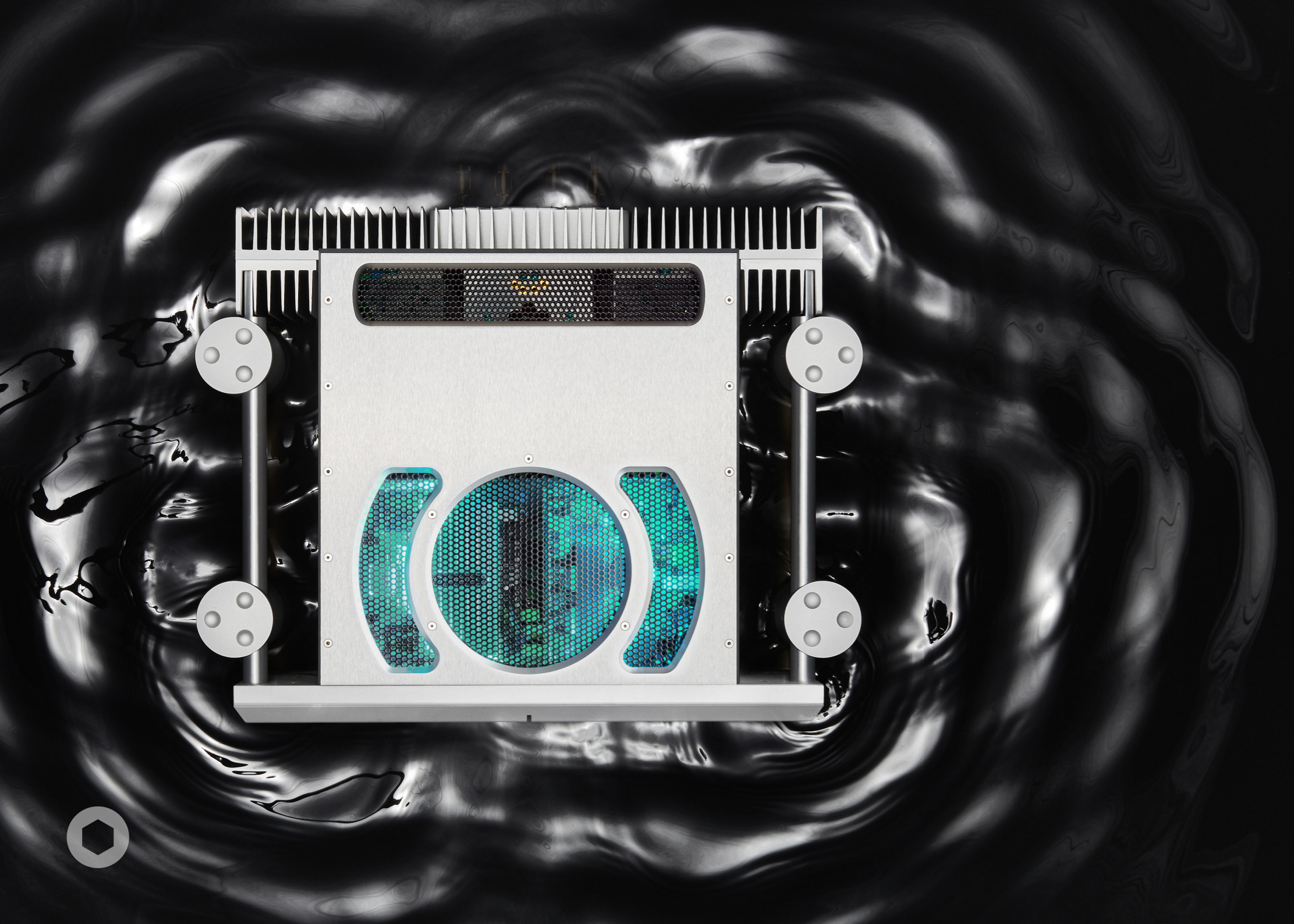


Solid aircraft grade aluminium



Machined in Great Britain





# ULTIMA

*Pursue the pinnacle of audio artistry*

Supremely reliable and effortlessly powerful, journey deeper into the music that moves you most with the purest, most transparent audio separates, as used in the world's finest recording studios.

Leg and side block options:



We all appreciate music in different ways, as we do design, which is why with many of the products within the ULTIMA range you can customise the leg colour to suit your taste, or even opt for our elegant piano black acrylic side blocks. Discuss how you can customise your next purchase with your retailer.



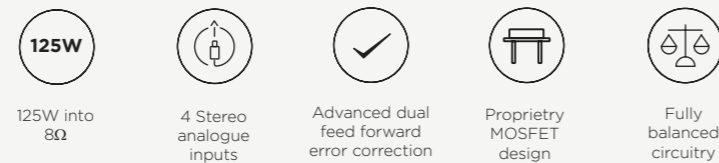
## ULTIMA INTEGRATED

### 125W Integrated amplifier



Five years since the introduction of ULTIMA, Chord Electronics' most accomplished amplifier topology in its history, founder/owner John Franks has trickled the technology down into a full-width integrated amplifier for the first time, setting new performance standards for single-box amplification.

Aluminium finishes: Jett black / Argent silver



125W into 8Ω

4 Stereo analogue inputs

Advanced dual feed forward error correction

Proprietary MOSFET design

Fully balanced circuitry



## ULTIMA PRE 3

### Five Input Preamplifier



A five-input preamplifier design, with both balanced and unbalanced inputs and outputs, plus an AV bypass, the PRE 3 perfectly complements the ULTIMA 5 and 6 stereo power amplifiers.

Aluminium finishes: Jett black / Argent silver



5 Stereo analogue inputs

-105dB SNR

Advanced power shielding

Fully analogue signal path

Fully balanced circuitry



## ULTIMA PRE 2

### Eight Input Preamplifier



The ULTIMA Pre 2 offers a substantially larger chassis than our Standard Series preamps and contains the latest proprietary ultra-high-frequency power supply.

Aluminium finishes: Jett black / Argent silver



8 Stereo analogue inputs

-102dB SNR

Advanced power shielding

Fully analogue signal path

Fully balanced circuitry



## ULTIMA 6

### 180W Stereo Power Amplifier



ULTIMA 6 is the most affordable entry into ULTIMA Chord Electronics amplification ownership featuring our groundbreaking new error correction topology.

Aluminium finishes: Jett black / Argent silver



180W into 8Ω

Advanced dual feed forward error correction

High frequency switch mode power supply

Class A/B sliding bias

Proprietary MOSFET design





## ULTIMA 5

### 350W Stereo Power Amplifier

With a verifiable professional heritage and huge amounts of reserve power the ULTIMA 5 is the most popular Chord Electronics stereo power amplifier.

Aluminium finishes: Jett black / Argent silver

- 350W into 8Ω
- Advanced dual feed forward error correction
- Fully balanced circuitry
- Class A/B sliding bias
- Proprietary MOSFET design



## ULTIMA 3

### 480W Mono Power Amplifier

Featuring our all-new circuit topology, ULTIMA 3 is a thoroughly modern amplifier for the high-resolution age. Its capable of lightning-fast transient delivery with unparalleled resolution and incredible sound-staging

Aluminium finishes: Jett black / Argent silver

- 480W into 8Ω
- Advanced dual feed forward error correction
- Fully balanced circuitry
- Class A/B sliding bias
- Proprietary MOSFET design



## ULTIMA 2

### 750W Mono Power Amplifier

Updated for the modern age, the ULTIMA 2 carries the very latest Chord Electronics amplifier technology, bringing significant musicality gains over its predecessor, ready to take music to the next level.



Aluminium finishes: Jett black / Argent silver

- 750W into 8Ω
- Advanced dual feed forward error correction
- Fully balanced circuitry
- Class A/B sliding bias
- Proprietary MOSFET design





# ULTIMA Reference

*The zenith of performance*

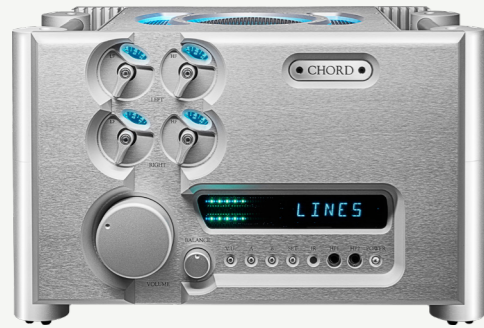
Unparalleled craftsmanship, unparalleled resolution. This is our ULTIMA Reference range, a statement of the highest order, hand-built without compromise.

**Leg and side block options:**



We all appreciate music in different ways, as we do design, which is why with many of the products within the ULTIMA Reference range you can customise the leg colour to suit your taste, or even opt for our elegant piano black acrylic side blocks. Discuss how you can customise your next purchase with your retailer.







## ULTIMA PRE

### Flagship Eight Input Preamplifier

The most accomplished preamp in our 30-year history, the ULTIMA pre is a musical *tour de force*, that adds nothing to the precious incoming signal. A world-class, no-compromise product the ULTIMA PRE is our finest achievement

Aluminium finishes: Jett black  Argent silver 



8 Stereo analogue inputs



3 Stereo outputs



-117dB SnR



Advanced power shielding



Fully analogue signal path



## ULTIMA

### 780W Mono Power Amplifier

ULTIMA was our first amplifier to offer our all-new circuit topology, the first since our inception 30 years ago. It is the pinnacle of our analogue engineering; built to complement the very best loudspeakers in the world.

Aluminium finishes: Jett black  Argent silver 



780W into 8Ω



Advanced dual feed forward error correction



Fully balanced circuitry



Class A/B sliding bias



Proprietary MOSFET design





# ONCE YOU PLACE YOUR ORDER

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As with all Chord Electronics products, our avionics heritage inspires only the highest quality: all of our products start life as a single billet of aircraft-grade aluminium. This is just one of the hundreds of processes that help shape our multi-award-winning devices; the same standards, care and attention run through the production of all of our units.

When you place an order for a device in the Table Top range and above, your purchase is assigned to an engineer who will begin the process of curating each individual component before carefully crafting the unit to the highest standards. Only once it has passed numerous measured and listening tests, will it qualify for a Chord Electronics name badge. Naturally, this is a bespoke process that takes time, however, during your products' build, you are more than welcome to ask your retailer any questions that you may have.

**HEAR THE EXTRAORDINARY**

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