

SYMPHONIE 40th

Product Data Sheet

Create your own symphony with this exclusive collector's case that includes our two market leading made in France headphones Utopia and Stellia, along with DAC & amplifier Arche and Questyle QPM player, so you can enjoy your music to the fullest wherever you are.



Key points

- All-round solutions for hours of captivating listening, either at home or on-the-go.
- A luxury, meticulously designed case, worthy of the very best trunk-makers.
- Our two market leading headphones Utopia and Stellia, which include full-range, pure Beryllium, M-shaped dome loudspeakers.
- A special and limited edition prestige case!

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UTOPIA

Utopia are the reference pair of headphones from Focal. As a world first, it features the only full range and fully open back loudspeaker, built within a pair of headphones, using pure Beryllium formed in the brand new «M» shape dome. The acoustic quality of this exclusive solution allowed Focal to avoid the use of any crossover or passive filtering process to achieve a frequency response from 5Hz to 50kHz! The listening experience is outstanding in terms of realism, natural sound reproduction, dynamics and clarity. When listening to them, the headphones virtually disappear and the audio signal is revealed with a level of precision never achieved until Utopia. Design is also a key point, be it in regards to the way of using the headphones, comfort, as well as the aesthetic. The true lambskin leather, used on the cushions, reinforces the character of classically elegant lines, as well as the expression of comfort and overall performances.



Key points

- Made in France headphones
- Open-back circum-aural headphones dedicated to low noise environments
- Reference pair of headphones featuring full range loudspeakers made of a pure Beryllium "M" shape dome
- Mechanical design offering a full compatibility to any size and shaped head

Type	Circum-aural open back headphones
Impedance	80 Ohms
Sensitivity	104dB SPL / 1mW @ 1kHz
THD	<0,2% @ 1kHz / 100dB SPL
Frequency response	5Hz - 50kHz
Loudspeaker	1 ³⁷⁶⁴ " (40mm) pure Beryllium "M" shape dome
Weight	1.08lb (490g)
Cables provided	• 1 x 4ft cable with 1/16" (4.4mm) Jack connector • 1 x 4.9ft cable with 4-pin XLR connector



1³⁷⁶⁴" (40mm) full range loudspeaker featuring a pure Beryllium "M" shape dome

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STELLIA

Stellia are the ultimate closed-back circum-aural headphones, both in terms of acoustic performance and the prestige of the materials used, such as the full grain leather of the headband, ear cups and cushions. The full-range speaker driver with 'M'-shape pure Beryllium dome is a concentration of innovations that lies behind this incredible listening experience, never before seen in closed-back headphones. Its frameless voice coil, combined with the properties of Beryllium, provides a moving part that is unparalleled in its lightness. This results in the reproduction of the tiniest details, in the unconditional respect of the dynamics whilst delivering uncompromising tonal balance. Stellia pushes the acoustic boundaries of the very best closed-back headphones and stands out as the key reference in its sector.



Key points

- Reference closed-back headphones for home and on-the-go use
- Exclusive full-range speaker drivers with an 'M' shape pure Beryllium dome
- Uncompromising tonal balance, reproduction of the tiniest sound details at both very high and very low frequencies
- Incredible dynamics within a pair of closed-back headphones
- Excellent performance when connected to a portable audiophile player
- Very good ambient noise soundproofing
- Comfortable and ergonomic
- High-quality materials used

Type	Circum-aural closed-back headphones
Impedance	35 Ohms
Sensitivity	106dB SPL / 1mW @ 1kHz
THD	0.1% @ 1kHz / 100 dB SPL
Frequency response	5Hz-40kHz
Loudspeaker	1.6" (40mm) pure Beryllium "M" shape dome
Weight	0.96lb (435g)
Cables provided	• 1 x 4ft cable with 11/64" (4.4mm) Jack connector • 1 x 10ft cable with 4-pin XLR connector

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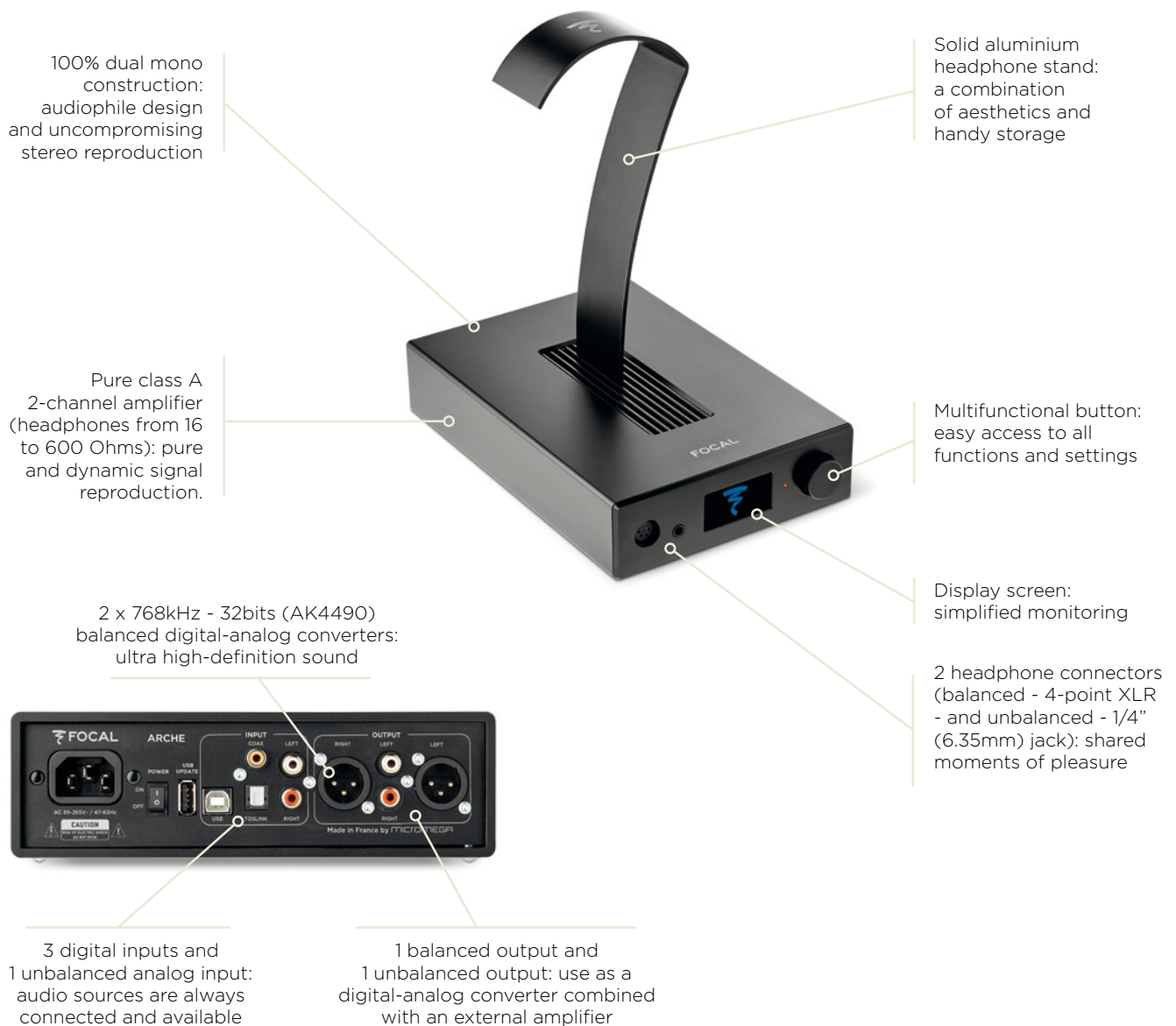
ARCHE

Arche is a unique audiophile solution. It combines a digital-analog converter with two pure class A amplification modes (voltage, hybrid), designed especially for headphones. Arche also offers presets for every set of Focal headphones to make sure you get the absolute best from this ultimate combination. Its dual mono ultra-high performance construction makes it possible to separate management of the left and right channels, from the powering stage. The two balanced digital-analog converters can process formats in PCM format, 384kHz, as well as DSD 256. The analog signal is then routed towards 2 pure class A amplification channels for an uncompromising solution. The original audio signal is thereby totally respected, so as to reproduce the tiniest details of the recording.



Key points

- Digital-analog converter compatible with high-resolution formats (384kHz - DSD 256).
- 2 integrated amplifiers (voltage and hybrid): choose the amplifier type best suited to your headphones.
- Presets for every set of Focal headphones: get the best from Focal's combination of electronics and acoustics.
- Dual mono audiophile construction from input of the digital signal to output of the self-powered signal.
- Can also be used as a digital-analog converter for high-fidelity home systems.



Type	DAC and headphones amplifier	
Max. power	2 x 1W @ 1kHz under 32 Ω	
Frequency response	10Hz to 100kHz	
Total Harmonic Distortion (THD)	< 0,001%	
Signal-to-noise ratio	> 116dB @ 32 Ω (Class A)	
Power supply	85 to 265 Vac / 47 - 63Hz	
Dimensions (H x L x D)	321 x 200 x 297mm	
Weight	10.25 lbs (4.65kg)	
Audio inputs	Unbalanced analog RCA	
	Digital S/PDIF coaxial (RCA): Max. sampling frequency	192kHz (AES3-compatible)
	Max. resolution	24-bit
	Optical digital (TosLink) Max. sampling frequency	192kHz (AES3-compatible)
	Max. resolution	24-bit
	Digital USB (USB-B): standard USB: USB 2.0 / USB 3.0 - USB audio class	
Audio outputs	Balanced analog 3-point XLR	
	Unbalanced analog RCA	
Firmware update	via USB port (USB-A)	

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Questyle QPM



Type	Player
Audio Formats Support	WAV, FLAC, WMA, MP3, OGG, APE (Normal/High/Fast), AAC, ALAC, AIFF, DFF, DSF
Sample Rate	PCM: 32kHz-384kHz(16/24/32Bit) DSD Native: DSD64(1Bit 2.8MHz), DSD128(1Bit 5.6MHz), DSD256(1Bit 11.2MHz) DAC: AKM AK4490
DAC	AKM AK4490 DAC chip
Outputs	Headphone out(3.5mm)/Optical out(3.5mm) /Full balanced out(4.4mm)
Output Amplitude	3.5mm headphone jack: 1.9Vrms, RL=300Ω; 1.5Vrms, RL=32Ω 4.4mm headphone jack: 3.9Vrms, RL=300Ω; 2.3Vrms, RL=32Ω
Max Output Power	3.5mm headphone jack: RL=32Ω, Po=74mW; RL=300Ω, Po= 13mW 4.4mm headphone jack: RL=32Ω, Po=161mW; RL=300Ω, Po=51mW
Frequency Response	±0.17dB(20Hz - 20kHz)
SNR	3.5mm headphone jack: 108dB; 4.4mm headphone jack: 110dB
THD+N	3.5mm headphone jack: 0.00055%@13mW(0dBFS 1kHz@48kHz 24Bit), RL=300Ω 4.4mm headphone jack: 0.00049%@51mW(0dBFS 1kHz@48kHz 24Bit), RL=300Ω
Output Impedance	0.1Ω
PC OS Requirements for being Used As A Portable DAC	Windows XP & Windows 7/8/10 (32/64bit) / Mac OS X 10.7 or later
Memory	Internal: 64GB; External: Micro SD card (Max. 2TB) x 1
Battery	3100mAh, 3.7V Li-Polymer battery, 10 hours of battery life
Display	IPS 2.4" (Sharp LCM)
Operating System	Linux
Body Material	CNC machining aluminum, available in Black, 3D glass
Dimension (WxHxD)	65 x 134 x 14.5 mm

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Câble Ultima

The principle of the Ultima cable is based on the Litz wire which is composed of multiple thin wire strands. The eight Litz wires are comprised of four copper wires and four silver-coated copper wires. Each wire contains 41 strands.



Type	Cable
Connectors	2 x mono Lemo® connectors 1 x 4-pin balanced XLR connector
Length	8.2ft (2.5m)

328 strands to ensure the integrity of the audio signal...

The cross-section of each strand measures 0.08mm, and the strands are individually enamelled to electrically isolate them from the rest. The interest in having strands with such an extremely small cross-section is to reduce the skin effect as much as possible. This skin effect results from the current's tendency to have a larger density near the surface of the cable. Thus, the very small cross-section helps to drastically reduce the cable's resistance in order to provide greater acoustic transparency.

The silver insulation on 50% of the Litz wires emphasises this crucial quality even more. In acoustics, silver has the advantage of being the metal with the highest electric conductivity.

Litz Wire

The 41 strands of the Ultima cable's eight Litz wires are individually enamelled to electrically isolate them from the rest. However, the proximity of the strands to one another tends to generate more resistance at high frequencies. The solution to this obstacle is in the way the Litz wire is designed and made. The 41 strands are braided together so that their position within the wire changes. This distributes the current evenly throughout each strand.

With this same goal in mind, the 8 Litz wires on the source side and the 4 Litz wires on the headphone side are also braided.