



# ERCO\* by Ferrum

desktop high end just became a thing

\*oh, and it's pronounced **ertso**



## ERCO, one and one put together

It is no small feat when you realize you've probably succeeded in creating yet another winner. The only thing we had to do, was to put one and one together. We simply had to integrate some of the awarded HYPSONS technology and put some of OOR's magic to make **ERCO** really work. The final ingredient proved to be the culmination of 20+ years' worth of experience in making DA converters. And man, did we pull it off. We managed to get the best out of our two winners and put it in our new sibling, adding awesome DA conversion to the mix. In the process we created our vision on desktop high end. No matter what you connect ERCO to, be it your favourite set of headphones or powered speakers, it will turn your desktop into a real place of high end. For some ERCO will prove to be their musical ceiling, for some the start of a beautiful journey. But any which way you look at ERCO, it is destined to bring you the real thing. No coloration, low distortion, high dynamics. Your music will get the perfect canvas, with a background of absolute silence. More info on [www.ferrum.audio](http://www.ferrum.audio)

# ERCO, desktop high end just became a thing



**Clearing the path for High End audio** - perfect mix of flagship Ferrum technology combined with high grade in house developed Digital to Analog conversion. Choose from three digital and one analog input.

**Truly Balanced** - the signal path stays truly balanced using the XLR inputs and becomes truly balanced using the RCA inputs.

**Ease of use** - only three knobs on the front panel to control most important user settings.

**Proprietary amplification** - fully balanced modified IC power amp.

**Optimized Digital inputs** - specially programmed USB, coaxial and optical S/PDIF ports, optimized for audio.

**Optimized MQA** - ARM optimized MQA decoder and renderer.

**Enhanced transparency** - the whole design is focussed on a balanced and very transparent sound signature, making listening fatigue something of the past.

**Made for HYPPOS** - while **ERCO** performs very good right out of the box, it is made to excel above and beyond when used together with HYPPOS. Using the proprietary Ferrum Power Link (FPL) connection, HYPPOS will perform to its absolute maximum, unleashing unheard musicality from the combination with **ERCO**.

## 2.395 EU/USD



### Specifications Ferrum ERCO headphone DAC/AMP:

Headphone output gain (dB):	balanced -5,8dB, +6dB, +17,8dB single ended -11,8dB, 0dB, 11,8dB	Frequency Response:	10Hz - 30kHz (+/- 0,05dB) 10Hz - >200kHz (+/- 1dB)
Operation:	Fully balanced, proprietary IC power amp	Output Power unbalanced:	300mW into 300Ω 1,7W into 50Ω
Power inputs:	2,5mm DC connector centre positive proprietary FPL 4-pin DC connector (FPL)	Output Power balanced:	1,2W into 300Ω 6,1W into 50Ω
Analog inputs:	RCA (Pro/Consumer level)	THD on balanced output:	< 0,00018% / -115dB, 1mW into 16 Ohm < 0,00018% / -115dB, 100mW into 16 Ohm
Digital inputs:	USB-C (all formats) S/PDIF optical (up to 24-bit/192kHz, DoP64) Coaxial (up to 24-bit/96kHz, DoP64)	THD on unbalanced output:	< 0,00032% / -110dB, 1mW into 16 Ohm < 0,00057% / -105dB, 100mW into 16 Ohm
DAC Chip:	ESS Sabre ES9028PRO	Dynamic range analog:	130dB (A-weighted)
PCM sample rate:	44.1 / 48 / 88,2 / 96 / 176,4 / 192 / 352,8 / 384kHz	Dynamic range digital:	120dB (A-weighted)
DSD sample rate:	2,882 / 3,072 / 5,645 / 6,144 / 11,289 / 12,288MHz	Input Impedance:	47kΩ
MQA:	Decoder and renderer	Output Impedance unbalanced:	22Ω on pre-amp
DAC resolution:	PCM up to 384k@32bit / DSD up to 256 (11.2MHz / 12.2MHz)	Output Impedance balanced:	44Ω on pre-amp
Headphone outputs:	balanced 4,4mm Pentaconn (TRRRS) unbalanced 6,35 mm jack (TRS)	Output Impedance Headphones:	< 0,3Ω
Line outputs:	balanced XLR / unbalanced RCA	Power Consumption:	Idle <15W
Volume control:	analogue with bypass option (bypass for line outputs only)	Power Adapter:	100/240V AC to 22-30V DC
		Dimension (W x D x H cm/in):	21,7 x 20,6 x 5 cm / 8,6 x 8,1 x 2,0 inch
		Weight (kg/LBS):	1,8 kg / 3,97 LBS