ELECTROCOMPANIET

ELECTROCOMPANIET EC 5

A decade of innovation unleashed

The ultimate expression of preamplifier purity has arrived.

After ten years of painstaking development, Electrocompaniet unveils its revolutionary

EC 5 preamplifier - a masterpiece that redefines signal integrity through groundbreaking proprietary technology while honoring the brand's classic design aesthetic with meaningful new upgrades.

At its heart lies Electrocompaniet's game-changing volume control system:
pure electronic constructionwith no mechanical components or relays to compromise your audio.
This engineering marvel maintainsa constant signal path length regardless of volume setting, delivering unprecedented transparency across 1000 steps with 0.1dB resolution.

The fully discrete, dual-mono design operates in pure Class A throughout, powered by independent power supplies for each channel with multiple stages of noise and regulation. Two dedicated 80VA toroidal transformers and 15,000µF of storage capacitance per channel ensure uncompromised performance under any condition.

With astonishing specifications including a 0.5Hz-450kHz frequency response and vanishingly low 0.0002% THD+N, the EC 5 represents the pinnacle of analog preamplification, where the electronics disappear, leaving only the music.

The triumphant return of the volume wheel, now seamlessly integrated into the acrylic front panel, provides both tactile satisfaction and precise control. Behind the elegant 7-inch color display lies a component engineered to be the perfect command center for the acclaimed AW300M and AW800M power amplifiers.

The wait is over. The legend continues.

If music really matters.

FEATURES EC 5

Inputs
- 4 x balanced inputs per channel
- 2 x single-ended inputs per channel
- 2 x 12V trigger inputs
- Selectable internal, external or no active IR sensor
- Ethernet port for app control and firmware updates

Outputs
- 2 x balanced outputs per channel
- 1 x single-ended output per channel
- 1 x balanced tape / rec output per channel
- 1 x single-ended tape / rec output per channel
- 3 x 12V trigger outputs
- 1 x IR output

Volume Control
- In-house developed proprietary volume control
- 10 years in the making
- No mechanical switches or relays involved
- Pure electronic construction with in-house developed electronic switches
- A set of paralell resistors sets volume, with absolutely no signal degradation
- Signal path is always a fixed length through volume control – one resistor
- No noise or distortion added in volume control
- 1000 adjustment steps
- Adjustment range from –100dB to +20dB
- Resolution of 0.1 dB per step in adjustment range – 73dB to +20 dB

Input selection
- In-house developed proprietary input selector
- Featuring in-house developed electronic switches
- Fully balanced throughout
- No mechanical switches or relays involved
- Absolutely no noise or distortion generated
- Input ESD and overload protection with absolutely no signal influence

Power supply
- 2 x 80VA toroidal transformers powering the audio circuitry
- Total of 15000uF storage capacitance per channel
- Fully independent power supplies for each channel
- Each channel has three stages of noise filtering and regulation

Amplifier circuitry
- Fully discrete, very high bandwidth / high slew-rate circuitry
- Fully dual mono construction
- Pure class A circuitry from input to output
- All signal handling transistors operates with no voltage variation for extremely low distortion
- Direct coupled – no capacitors in signal path
- Electrocompaniet high open loop bandwidth AmpliWire topology with low negative feedback
- Bulletproof output stage easily drives 600 Ohms loads and long signal cable runs
- Output is switched on / off using in-house developed electronic switches
- Internal over temperature protection
- DC fault protection at output

General
- 7 inch IPS color display behind acrylic front
- Large ball bearing volume control wheel integrated in acrylic front
- Auto-select 115VAC / 230VAC mains voltage
- In-house developed IR remote control included
- No relays, switches or connectors in signal path from input to output
- Internal braces / heatsinks makes up a very stable chassis
- Chassis separated in shielded upper and lower parts
- All analog circuitry in upper separate compartment
- Power supply transformers and control circuitry in separate lower compartment
- Ground screw connection for external system grounding
- Balance control
- Source level matching and naming
- Visualization of mains voltage in display
- < 0.5W standby consumption

Technical Data
- Input impedance: 47 kOhms
- Output impedance: 22R
- Frequency response: 0.5 – 450 kHz
- Maximum voltage gain: 20 dB
- SNR (ref. 1V, 20-20 kHz, A-wht): 113 dB
- Channel separation: >120 dB
- Maximun input voltage: 10 Vrms
- Maximum output voltage: 10 Vrms
- DC output voltage: < 1 mV
- THD+N:0.0002 %
- Power consumption standby: < 0.5W
- Power consumption idle: 80 W
- Unit weight / dimensions
- Weight:36 kg / 79.37 lbs
- Height:190 mm / 7.48in.*
- Width:470 mm / 18.5in
- Depth:Depth:420 mm / 16.54in.**

*Includes feet
**Includes volume wheel and GND terminal

Features and specifications are subject to change without further notice.

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