



The Green Facts

Environmentally Sustainable AV

ENERGY CONSERVATION

■ Ecler maximises energy conservation by utilising **SPM Technology** (patented by ECLER) in our amplifiers. Switching Power Mosfet technology is more efficient (73%) than bipolar transistors and conventional mosfets. The benefit of SPM technology is that most of the consumed power is converted into real audio power and less energy is wasted (via heat & processing)

HIGHER EFFICIENCY

- Ecler ensures **higher efficiency** (more than 90%), **lower weight** (30% average) and **smaller heatsinks** (6 times smaller) by using **class D** amplification technology (Pulse Width Modulation), both in the stand-alone format devices and our integrated self-powered speakers and mixers
- **Higher efficiency** (up to 92%) by using **Power Factor Correction** (PFC) in many of our digital amplifiers. Few audio manufacturers integrate PFC in their products
- All the above technologies applied to Ecler's products have two immediate **environmental advantages**:
 - The amplifier's **power consumption** is significantly reduced
 - The **air conditioning power** required to keep an installation in proper working condition is also **reduced**

ENERGY SAVING

- **Energy saving during the transportation** thanks to the **ultra-light weight** and **compact sizes** of the latest generations of amplifiers
- **Higher efficiency** (up to 92%) by using **Power Factor Correction** (PFC) in many of our digital amplifiers. Few audio manufacturers integrate PFC in their products
- Many of Ecler's products include the **Auto Standby function**, which again drastically reduces the power consumption (usually below 3 Watts), in this case during the periods the device is not utilizing full functionality

NO CONTAMINANT COMPONENTS

- Ecler **avoids the use of contaminant components and ensures recycling** benefits are realised after the product lifetime, fulfilling **ROHS** (Restriction of Hazardous Substances) and **WEEE** (Waste Electrical and Electronic Equipment) regulations
- Ecler enforces **careful selection and disposal procedures of the electronic waste** in all our production processes to guarantee minimal environmental impact

RECYCLED MATERIAL

- Ratio of **recycled material in packaging is 70%**. This 70% recycled carton ratio ensures that the final result fulfils our drop & transportation test standards: Although recycled carton is weaker than fibre based products, we insist: on the maximum % of recyclable material while still ensuring the packing endurance target. Apart from this ratio, our outer carton packing is always **100% recyclable** at the end of its use
- Our packaging providers have raw material suppliers that follow a **sustainability policy** to help ensure that the **total forest surface in Europe grows** every year

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