Electronics Engineer | Remote working with requirements to attend our London based office

At Cambridge Audio we love music, and our mission is simple: Design and engineer audio gear that makes your favourite songs sound amazing. That's it.

We're looking for an outstanding engineer with a passion for Audio to join the R&D team. The work will require electronics hardware design in both the digital and analogue domains. You'll be involved throughout the development cycle and must be able to evaluate new technologies, develop new products and optimise existing projects. We're looking for someone who is logical, has a thorough engineering approach and strong design, test, review and debugging skills.

You will be part of an energetic and creative team designing industry-leading consumer audio equipment in an exciting company that is committed to grow and evolve.

Key Responsibilities:

To design and develop hardware for Cambridge Audio products, ensuring reliability, quality, performance, and world-class sound.

There will be demanding technical requirements in areas including audio performance, mixed signal PCB layout, EMC, compact packaging, and cost reduction. It will be important to integrate effectively with the other members of the team and be able to break projects down into stages with clear deliverables/dependencies and deliver project work to committed timescales.

Personal Profile:

Experience & Personality:

- 5 + years in a similar audio role, 10+ years in electronics design
- Flexibility, curiosity, lateral thinking and ability to apply pragmatism
- A passion for audio equipment and music

Knowledge & Skills:

- Be able to design audio circuits from scratch
- Quick to adapt and adopt new technologies
- Be able to see projects through from concept to mass production
- Ideally the ability to subjectively tune audio products to a desired sound quality target
- An understanding of end of line testing and PCBA verification
- Ideally knowledge of Altium
- Strong electronic design skills in several of the following areas: audio circuitry (signal and power stage, class D, DSP), SMPS power supply and power management
- Familiar with relevant digital protocols (I2C, SPI, I2S, UART, SPDIF, MIPI, HDMI, Ethernet)
- Familiar with high-speed PCB design (multi-layer PCBs, controlled trace impedances, power
- distribution)
- Ability to adapt to/refine new working practices and systems

- Excellent design, debugging and problem-solving abilities
- Familiarity with driving a range of test equipment: oscilloscopes, logic analysers, audio analysers and spectrum analysers
- Understanding of microprocessor (preferably ARM) and basic programming skills
- Experience in designing within the constraints of electrical compliance standards: EMC, ESD, Safety, etc.
- PCB prototyping/rework capabilities from thru-hole to 0402
- Excellent multi-disciplinary team working (mech, SW, QA, acoustic, factories) and communication skills both written and verbal
- Familiarity with analysing/presenting trade-offs between cost, quality and time
- Mentoring more junior engineers
- A good ear for quality audio presentation

Salary:

The package on offer, as ever, is dependent on experience.

Benefits:

- 4pm finish on the last Friday of every month!
- 50% off gigs and festivals with our passion for music benefit
- Regular socials organised by our Director of Fun
- Annual team trips to surprise European locations
- A range of wellness benefits
- Company pension scheme
- Profit share and colleague suggestion scheme

Location:

This role can be based anywhere in the UK as long as you are able to travel to our office based near London Bridge, at the company's expense, as required.

To apply please email your CV to hr@cambridgeaudio.com all applications will be treated in the strictest confidence.

Work is more than work; we are passionate about what we do and have fun doing it.

We're a business full of great people who are encouraged to develop their careers and push their creativity and progression. To find out more about us, visit: www.cambridgeaudio.com/about-us