



Pioneer is an international company in which more than 8000 employees worldwide develop and produce innovative, high-tech car entertainment products. Our goal? Making your mobility experiences safer, smarter and more comfortable.

Would you like to help carry this vision forward? You can!

Pioneer Electronics is planning to set up a new development center in Germany (Wetzlar) to support our car entertainment business.

To strengthen this engineering team, we are looking for a **DSP expert**.

Your responsibilities:

- Develop software for high-performance digital signal processors from TI or ADI
- Evaluate and integrate 3rd party algorithms into the audio processing chain
- Optimize system performance using profiling
- Perform audio quality measurements
- Integrate audio processing chain with tuning tool
- Develop or adapt audio algorithms for upcoming use cases
- Debug performance problems with regards to latency, high CPU load or audio loss
- Design and implement DSP control interfaces using IPC

Required skills?

- At least 5 years of experience in developing on digital signal processors
- Excellent knowledge of C and C++
- Good knowledge of RTOS such as FreeRTOS, SysBIOS or VDK
- Expertise in optimizing algorithms for specific HW architectures (e.g. using intrinsics and/or assembler, profiling code, ...)
- Good knowledge of basic audio processing algorithms based on IIR or FIR filters
- Experience in using GIT as code revisioning system
- Good English skills in speaking and writing
- Considered as a plus:
 - o Knowledge of using Matlab or Octave
 - o Having worked with Confluence and Jira
 - o German language

Interested?

Send your application & CV to Wetzlar@pioneer.eu and we will contact you!