

# JOB DESCRIPTION

<b>JOB TITLE</b>	<b>DIGITAL AUDIO SIGNAL PROCESSING ENGINEER</b> (Ref: RDV 26)
<b>DEPARTMENT</b>	<b>RESEARCH AND DEVELOPMENT</b> (Cost Code: 62)
<b>REPORTING TO</b>	<b>R&amp;D Director or Software manager TBD</b>
<b>HOURS OF WORK</b>	<b>37.5 HOURS PER WEEK MONDAY TO FRIDAY TIME: 9.00AM to 5.00PM</b>
<b>SALARY</b>	<b>Negotiable Dependent on Experience</b>

<b>JOB SUMMARY</b>	<b>Assist in development of digital mixing products</b>
<b>KEY DUTIES</b>	<ul style="list-style-type: none"><li>• <b>Designing digital audio signal processing algorithms and studying mathematical behaviours.</b></li><li>• <b>Implementing digital signal processing algorithms in assembler.</b></li><li>• <b>Designing processor communication architectures between DSP and host processor and supporting software.</b></li><li>• <b>Evaluation and testing of signal processing function and performance</b></li><li>• <b>Modelling analogue processing circuits in the digital domain</b></li></ul>

# PERSON SPECIFICATION

<b>JOB TITLE</b>	<b>DIGITAL AUDIO SIGNAL PROCESSING ENGINEER</b>	<b>(Ref: RDV 26)</b>
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<b>QUALIFICATIONS</b>	Electronics / Software Engineering with DSP content Audio Engineering with strong software and DSP content	<b>Desirable</b>
<b>EXPERIENCE</b>	3 to 5 years' experience in audio DSP algorithm design and programming, or at a minimum, an in-depth experience of a complex audio DSP project  The job will require a good knowledge and understanding of most of the following :  Strong understanding of digital audio signal processing theory and principles.  Experience in DSP systems in assembler and some knowledge and experience of C/C++.  Experience in writing assembler and designing DSP architectures  Interested in audio mixing systems	<b>Essential</b>      <b>Essential</b>
<b>ATTRIBUTES</b>	Good communicator Self motivated Quick learner Meticulous	<b>Essential</b>
<b>DISPOSITION</b>	A passion for the audio industry  Passionate about audio signal processing  Stamina in detailed sometimes repeatable design procedures	<b>Desirable</b>
<b>OTHER REQUIREMENTS</b>	Desire to live in Cornwall	<b>Essential</b>