

Audio Technology

AUDIO SERVICES

ATL provides virtually all services required for the incorporation of audio in electronic products. These range from speech encoding for the 50CXX series of semiconductors using Linear Predictive Coding (LPC) to voice over music for the 3477 series chips using Continuous Variable Slope Detection (CVSD). We can provide the audio data in any electronic format required for your application.

SPEECH ENCODING

LPC speech encoding is performed at our facilities using professional speakers selected for compatibility with both your application and the encoding process. Foreign languages are handled routinely, with Spanish and French being the most common.

VOICE OVER MUSIC

ATL maintains a complete recording facility for electronic music production, multitrack recording, and mixing of voice and music. Equipment includes an Ensoniq SD-1 music production synthesizer, a Casio MT-640 keyboard synthesizer, a Roland SE50 stereo digital effects processor, a Roland MX16 16 channel mixer with 2 effects loops, a Roland RA-50 Real Time Arranger and a Tascam PORTA-1 multi track recorder. Most of the equipment is computer controlled through the industry standard MIDI interface. Finished product can be supplied on tape, disk or PROM, depending on your requirements.

PRODUCT DEVELOPMENT

ATL also maintains an extensive array of equipment for the development of complete audio based products. We can deliver a finished product, designed to your specifications, in prototype quantities or any production volume.



STANDARD PRODUCTS

Standard demonstration products are available from ATL that can be used for demonstrating concepts, or for actual production. We currently stock demonstration boards for the TMS50C20, TMS53C30 and the TMS3477. Each product provides stand-alone operation, with only a speaker and 5 volt power supply required (in addition to any audio PROM requirement). Model 238350 is a TMS50C20 based board that can be operated alone or through a parallel interface. The Model 238360 has an on-board processor that can provide logic functions for a product in addition to the audio. The 238330 is a TMS3477 based board that allows recording and playback of a message. The 238340 is a speak only board that has the audio contained in PROM. Please call us for further information on these products.

ATL applies tomorrow's technology today



ADVANCED TECHNOLOGY LABORATORIES