



The RSC-4x Demo/Evaluation board is designed to use RS232 serial communication. With many newer computer systems (2004 and later), it may not be possible to connect to a 9 or 25 pin serial port and a USB bridge will be required. If you want to use USB, you can use any of the USB to serial adapters listed below. They have been tested and verified to work with Windows 2000 and XP operating systems.

Targus PA088U
AirGuide AC-USBS
SIIG US2308
Cables Unlimited USB-2920

For the adapter and driver installations, please refer to the manufacturer's documentation.

Sensory recommends Windows[™] XP and the SensoryLoader4.exe program for optimal performance in downloading programs via USB. The RSC4load.exe is designed for DOS, and may not work with USB, especially under MS operating systems prior to Windows 2000.

NOTE:

Most serial connectivity issues can be resolved by making sure that the com port specified by the Sensory program is available and correctly configured in the Windows device manager. Please contact techsupport@sensoryinc.com for further assistance.

The Interactive Speech™ Product Line

The Interactive Speech line of ICs and software was developed to “bring life to products” through advanced speech recognition and audio technologies. It is designed for cost-sensitive consumer-electronic applications such as home electronics, home automation, toys, and personal communication. The product line includes the award-winning RSC-4x general-purpose microcontrollers and tools, the *VR Stamp™* 40 pin DIP module and tools, the SC series of speech and music synthesis microcontrollers. Our suite of software development kits are designed to run on non-Sensory processors and DSP's, and support most popular operating systems.

RSC Microcontrollers and Tools

The RSC product family contains low-cost 8-bit speech-optimized microcontrollers designed for use in consumer electronics. All members of the RSC family are fully integrated and include A/D, pre-amplifier, D/A, ROM, and RAM circuitry. The RSC family can perform a full range of speech/audio functions including speech recognition, speaker verification, speech and music synthesis, and voice recording/playback. The family is supported by a complete suite of evaluation and development toolkits.

Speech Recognition Modules and Tools

The *VR Stamp™* is a complete speech recognition module based on the RSC-4x and is ideal for fast design and easy production. A low-noise audio channel and standardized 40-pin DIP footprint allow rapid prototyping, less debugging, and shorter time to market. The *VR Stamp Toolkit* includes everything needed to get started today, including VR Stamps, Module Programming Board, sample applications, and a complete set of development tools featuring the Phyton IDE and limited-life C compiler, QuickSynthesis™ 4 and Quick T2SI-Lite™ speech tools.

SC Microcontrollers and Tools

The SC-6x product family features the highest quality speech synthesis ICs at the lowest data rate in the industry. The line includes a 12.32 MIPS processor for high-quality, low data-rate speech compression and MIDI music synthesis, with plenty of power left over for other processing and control functions. Members of the SC-6x line can store as much as 37 minutes of speech on-chip and include as many as 64 I/O pins for external interfacing. Integrating this broad range of features into a single chip enables developers to create products with high quality, long duration speech at very competitive price points.

FluentSoft™ Technology

FluentSoft™ Recognizer is the engine powering the FluentSoft™ SDK. It provides a noise-robust, large-vocabulary, speaker-independent solution with continuous digit recognition and word-spotting capabilities. This small-footprint software recognizes up to 5,000 words; runs on non-Sensory processors including Intel XScale, TI OMAP, and ARM9 platforms; and supports operating systems such as MS Windows, Linux, and Symbian.

3Dmsg™ Technology

3Dmsg's (www.3Dmsg.com) Animated Speech technology offers animated avatars with advanced speech recognition and synthesis capabilities for use in smartphones, language trainers, and kiosk applications. Facial expressions can be configured to show emotions and lip synchronization can be automatically driven from voice or text data.

Important notices:

Sensory Incorporated (Sensory, Inc.) reserves the right to make changes, without notice, including circuits, standard cells, and/or software, described or contained herein in order to improve design and/or performance. Sensory, Inc. assumes no responsibility or liability for the use of any of these products, conveys no license or title under any patent, copyright, or mask work right to these products, and makes no representations or warranties that these products are free from patent, copyright, or mask work right infringement, unless otherwise specified. Applications that are described herein for any of these products are for illustrative purposes only. Sensory, Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Safety Policy:

Sensory, Inc. products are not designed for use in any systems where malfunction of a Sensory, Inc. product can reasonably be expected to result in a personal injury, including but not limited to life support appliances and devices. Sensory, Inc. customers using or selling Sensory Incorporated products for use in such applications do so at their own risk and agree to fully indemnify Sensory, Inc. for any damages resulting from such improper use or sale.



575 N. Pastoria Ave, Sunnyvale, CA 94085
Tel: (408) 625-3300 Fax: (408) 625-3350

© 2006 SENSORY, INC. ALL RIGHTS RESERVED.
Sensory is registered by the U.S. Patent and Trademark Office.

All other trademarks or registered trademarks are the property of their respective owners.