

## **TIGAL Launches VRbot – a low cost voice recognition module for easily adding voice command capability to robots and other applications.**

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Vienna, Austria – February 2010 – The VRbot is a tiny, low cost voice recognition module designed to easily add versatile voice command functionality to Robots and many additional applications where voice command control is desired.

The VRbot module provides users with 26 built-in Speaker Independent commands that allow basic control of robot movement straight out-of-the-box. The module has been designed to fit inside the chest cover of Robonova-I and Robozak robots and is ready to run immediately after installation. Users also have the possibility to customize up to 32 user-defined Speaker Dependent triggers or commands and assign these to specific movement sequences of the robot using included Windows based GUI software. An additional RoboBASIC template is provided to easily customize the robot's reaction to different Speaker Dependent Voice Commands.

The VRbot module can also be used to efficiently implement Voice Recognition capabilities on a vast range of other host platforms that have an UART at TTL level or are capable of emulating one through Bit Banging, such as Arduino Boards, PIC, ATMEGA, ARM etc. The module is fully self-contained and interacts with any host through a simple, yet robust serial protocol that allows the addition of Voice Recognition capabilities to many applications beyond robot control. All protocol specifications are provided to assist in interfacing with the module from any host platform.

“We initially designed the VRbot module to be used to add voice control capability to ROBONOVA-I and ROBOZAK robots. However, during the development process we realized that it made sense to make the protocol open to users and allow the module to be easily interfaced with many other robots or hosts for wider application purposes. We already have many customers testing the module on various applications and are very excited to see how these projects develop in the future.” – Markku Riihonen, Marketing & Sales Manager, TIGAL

The VRbot measures 24mm x 45mm in size, is shipped together with the power cable, data cable and microphone and is available directly from TIGAL or a local distributor. The module is priced at €39 with discounts available for volume purchases. Current demo videos and provided sample code include VRbot used with Robonova, a POPbot, Arduino USB Board and Mikroelektronika's EasyPIC5 development board. All software tools, documentation and demo videos are available online as a free download at [www.veear.eu](http://www.veear.eu).

### About VeeAR

VeeAR is a brand of products that offers high quality and cost effective means for adding embedded voice recognition capabilities to virtually any application. The VeeAR product line offers a number of products designed to assist in development and implementation of Voice Recognition capabilities to many applications where voice command capability is desired and suitable. In addition to off-the-shelf solutions the VeeAR team offers custom solutions to meet specific needs. All VeeAR branded boards and software are designed and manufactured by RoboTech srl.

For more information about the VRbot, VeeAR range of products and TIGAL, please visit [www.veear.eu](http://www.veear.eu), [www.tigal.com](http://www.tigal.com) or contact:

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### About TIGAL

TIGAL is a fast growing international distributor and manufacturer of highly innovative technological products. TIGAL's

product line includes embedded Linux/Windows CE devices, M2M solutions, wireless devices, CAE/CAD, development systems and compilers, professional programmers, measurement tools, LCD and OLED displays and display modules with and without touch screen functionality, and speech recognition development tools and systems.

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