



VRbot Voice Recognition Module



Data Sheet

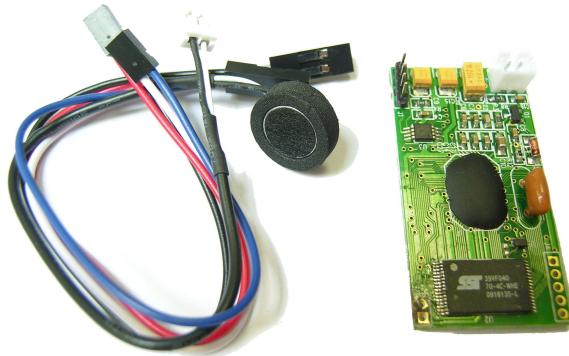
Ver. 1.0

Product Description

VRbot Module is designed to easily add versatile voice command functionality to robots (e.g. ROBONOVA-I, RoboZak, POP-BOT, ...) or any other host (e.g. PIC, Arduino boards, ...).

VRbot features:

- A host of built-in speaker independent (SI) commands for ready to run basic controls
- Supports up to 32 user-defined Speaker Dependent (SD) triggers or commands as well as Voice Passwords. *SD custom commands can be spoken in ANY language.*
- Easy-to-use and simple Graphical User Interface to program Voice Commands
- Languages currently supported for SI commands: English U.S., Italian, Japanese and German. More languages available in the near future.
- Module can be used with any host with an UART interface (powered at 3.3V - 5V)
- Simple and robust documented serial protocol to access and program through the host board



Power Supply Requirements

Symbol	Parameter	Min	Typ	Max	Unit
I_{Sleep}	Sleep current		< 1		mA
I_{Oper}	Operating current		12		mA

Communications

Adjustable Asynchronous Serial Communication:

- Baud Rate: **9600** (default), 19200, 38700, 57600, 115200
- 8 Data bits
- No parity
- 1 Stop bit

Communications are established using the VRbot protocol. Refer to the appropriate Document available on www.VeeaR.eu.

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