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PARALLAX

GROWBOT



Meet the GrowBot! BS2-IC robot with growth in mind.

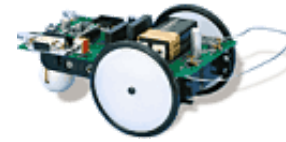
The new Parallax GrowBot is a small robot kit with a lot of features. Controlled by the Parallax BASIC Stamp® II module (BS2-IC), GrowBot uses two easily modified R/C servos for propulsion and a high quality PC board as its chassis.

GrowBot has six reconfigurable I/O locations for bumper switches, phototransistors, photoresistors, LEDs, thermistors and other sensors and outputs. Each point is connected directly to the BS2-IC's I/O pins.

The GrowBot can be easily programmed to do interesting things - light following, avoidance, and sound broadcasting. With some advanced programming the GrowBot could follow walls, run mazes, and track lines. But even with all of the built in I/O features GrowBot has seven I/O pins available for other uses. Access to these I/O pins is provided by two expansion headers that carry all 16 Basic Stamp I/O pins plus power and ground. The expansion headers are used for stacking application expansion modules we call "AppMods". AppMods are an open system, so anyone can build exactly what they want.

GrowBot is tested as it is assembled using software preloaded in the BASIC Stamp. The finished GrowBot will run in the obstacle avoidance, roving mode. To program your robot, connect it to your PC using a serial cable, load some sample source code and then download.

GrowBot kit includes:



Easy-to-assemble kit with plastic wheels machined to fit servo spline.



BS2-IC provides lots of I/O and expandability through AppMod headers.

Part #29100