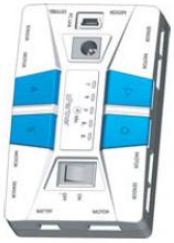
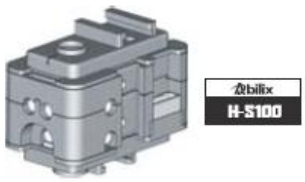
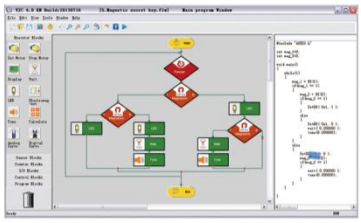
Physical and Technical Specification of H1-B

Detailed Properties:

	This kit contains 4 executable module and 1 sensor module which is highly integrated with infrared obstacle sensor, brightness detection and sound recognition. With Flow-chart programming C-language VJC, students can easily re-construct the teaching projects like mechanism arm, clapping penguin, spider etc. Students can learn the touch control algorithm and diversified construction manner.
1. Components 	No screws construction parts, it includes controller, no less than 4 robotics steering motor (4 H-M24 motor), sensor (H-S100), power (charger/external power source), USB download line, user manner and VJC CD to support the robotics research. Support up to 28 teaching project.
2. Controller 	The master chip of controller is ARM Cortex M3/32 bit, 6 H-M24 motor port, 4 pin duplexing I/O extension port, serial downloading cable, status light and interactive operation button, 1 standard extension 485 port.
3. Motor 	H-M20 motor, Maximum torque is 20kgf.cm, speed 70rpm, control accuracy is 0.29°. Robotics steering gear to connect multiple motors by series digital communications. It has multiple functions like temperature, location, speed, acceleration, torque and electricity etc., also the self-protection of overflowing and over-temperature, supports 360°limitless rotating, can be used as standard continuous current dynamo.

4. Sensor 	H-S100 highly integrated sensor module, 3 integrated ranging sensor module, 3 integrated light recognition sensor, 3 infrared distance signal transmission/reception along with buzzing (scale and time controllable), sound recognition.
5. Software 	Highly integrated graphic flow-chart programming, simplified C-language.
6. Service	Assembling guidelines, control code and construct course supported, basically are graphs with cable connection diagram.

www.abilix.com E: info@abilix.com M: +86-21-64952827-2033