

Do It Yourself! Innovative Robotic Invention, The ROBOBUILDER Educational Entertainer Kit.



ROBOBUILDER

The Robot Builder's DIY Kit



RoboBuilder Co., Ltd.

Age 14 & Up

Build & Program your Robotic Creation!

Upload & Download your Robotic File !



ROBOBUILDER

Make your own Robotic Creation. Building completed within 1 hour!

RoboBuilder is a new robotic DIY kit designed to provide robot enthusiasts with the value of Education and Entertainment. Any user with age 14 and up can enjoy designing and building robots simply by plugging and screwing block-type robotic actuator modules.

Various robotic platforms can be designed with user's creative ideas and skills.

Download complex robotic motion files from the Internet and play these motions on the Standard Robotic Platforms HUNO, DINO & DOGY.

Functions

Object Detection

Remote Control

16 Degree of Freedom /
wCK Robotic Module

Quick & Simple
Joint Assembly

Precise PID Motion Control

Intuitive Software

Robot File Sharing Service

Full-Duplex dropdown
UART serial communication

Intelligent Robot Controller

PC Connection

Speaker System

Sound Detection

Features

Attractive Design

- High tech Robot with Attractive Design
- Customize unique Robot with optional accessories.

Creative Building

- Create Various Robots enabled by Block-type Robotic Module
- Creative Robot Programming with Modularized Software

Educational Kit

- Educational DIY Kit for Robotic Technology Training
- Training of Precise PID Motion Control

Quick & Simple Joint-Assembly

- Internationally Patented Joint Insertion Building Structure
- Building completed within 1 hour

Robot File Sharing

- Share Robotic Files on Internet
- File Sharing realized by Precise Motion Control Technology

Entertaining Pal

- Various Games Supported by Quick & Splendid Robotic Motions
- Catalyst for Robotic Culture & Community
- 30+ Motions Playable with Remote Control immediately after Building

Competitive Price

- Most Price Competitive Robotic DIY Kit in the World
- Maximum Value for global Robot Enthusiasts at Lowest Cost

Fun to Play

Fun1 Remote control HUNO, DINO, DOGY

Fun2 Download and play robotic files

Fun3 Design and Build new robotic creation

Fun4 Program fancy robotic motion files

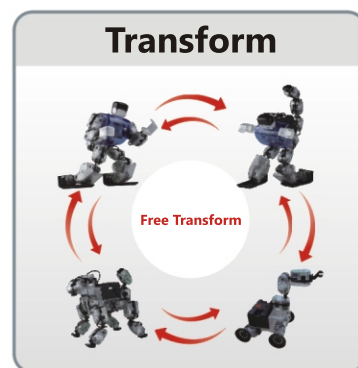
Fun5 Participate in robot competitions

Design Customization

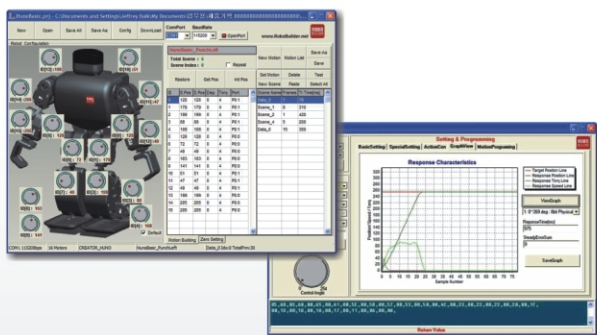
►► customize unique robot with optional accessories



» Play Guide



Intuitive Software

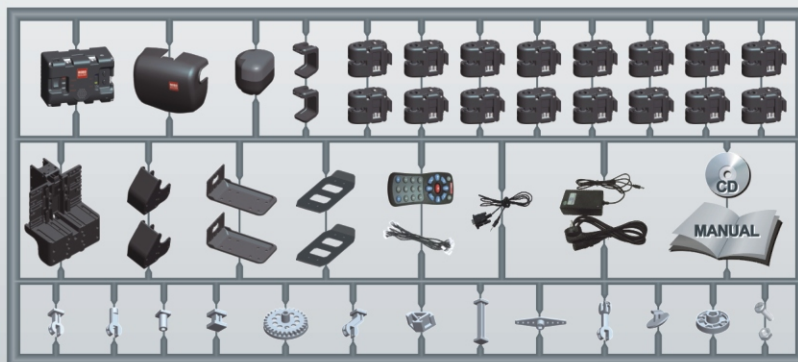


File Share on Internet



» Parts Include

1 system of	RBC Intelligent Control System
16 blocks of	wCK Smart Actuator Module
11 pcs of	Body Parts(7 types)
39 pcs of	Joint Parts(12 types)
20 pcs of	wCK Module Cable
1 set of	PC cable RS-232
1 set of	Power Supply
1 set of	Remote Controller
1 set of	Bolt & Nut
1 book of	User Guide Book
1 disk of	Software CD



» KIT models

Build, Program, Run your own Robot!

■ CREATOR 5710K-E02



■ CREATOR 5710K/5720T



■ EXPERT 5730K



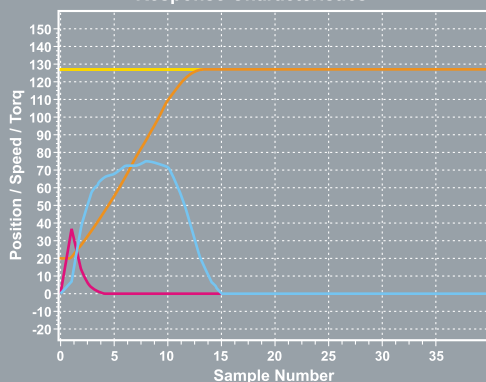
Model	Color	DOF	Sound Sensor	Distance Sensor	Voice	Communication
RBK-5710K	Black	16	Y	N	N	IR remote control, Expandable for Bluetooth
RBK-5720T-S02	Transparent	16	Y	Y	Y	IR remote control, Expandable for Bluetooth
RBK-5710K-E02	Black	8	Y	Y	N	IR remote control, Expandable for Bluetooth
RBK-5730K	Black	20	Y	Y	Y	IR remote control, Bluetooth



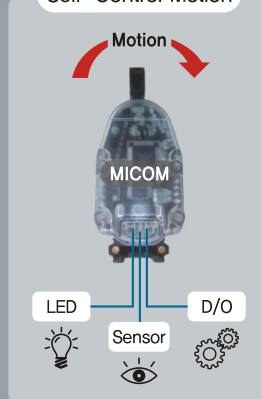
wCK Intelligent modular Robot



Response Characteristics



Self-Control Motion



Features

- All-in-One integrated robot module
- Compact Design
- 2 way mechanical power transmission
- Quick & Simple joint assembly
- Precise PID control
- Error compensation algorithm
- Position control, Speed control, Torque control
- Multi-drop Full Duplex UART serial communication
- Control optimized protocol
- External I/O support(1A/I, 2D/O)
- Standalone Motion programmable
- Passive Sensor Mode, Power-saving Break Mode
- Various parameters, Various speed levels
- Voltage-adaptive automatic adjustment of control gain
- Windows-based programming software
- Wide range of Input voltage
- Wide range of operating angle
- Reverse-voltage protection, over current protection
- Two metal bearings for mechanical durability

Application

- Articulated Robot Platforms for toy, commercial, educational purposes
- Robots for game & battle
- Tool set for science education program
- Applications of multi-axis distributed control for research engineers



<http://www.RoboBuilder.net>

260-4 Seongsan-dong, Mapo-gu, Seoul, Republic of Korea
Tel 82. 2. 3141. 5101 | Fax 82. 2. 3141. 5107

RoboBuilder Co., Ltd.

customer service : customer.service@robobuilder.net