

Overview of the interactive CD-ROM

The Multimedia Teaching Environment gives you an interactive environment for your robotic course. The interactive environment will show you how to work with the K-Junior and how the K-Junior works.

You can disassemble virtually the K-Junior and by clicking on each part, you can see how it works.

PRODUCT Description
All the components and features of the K-Junior are described in the interactive environment

ROBOT COMPONENTS Upper side
You can navigate on a virtual K-Junior. By highlighting the components with your mouse you will get a complete explanation of how it works.

EXPLODED VIEW
Different exploded views show you the parts constituting the K-Junior

Block diagram
This block diagram shows you how the K-Junior works electrically in a simple and clear view.

ROBOT IMPLEMENTATION
ROBOT COMPONENTS
TEST Outputs
PROGRAMMING TOOLS

Autogen 3D simulation
The Autogen 3D simulation software is included in the package, allowing you to simulate a K-Junior application. This software takes the automation standard language for programming.

The package contains :

- 2 x K-Junior** The K-Junior robot can : avoid obstacles, follow a line, draw or sing a song, autonomously or remotely. And many more applications with the options included in the pack !
- LCD Display** This LCD screen with keypad provides an user interface to build an interactive control program with your robot without a PC. You can display messages and manage small menus.
- Linear camera** This Linear camera can read a line of 102 pixels in 256 levels of gray. With this turret, the K-Junior can detect tags or target.
- Ultrasonic sensor** This sensor provides a much longer detection range than the default K-Junior infrared sensors. The maximum distance for object detection is up to 6 meters.
- General I/O** The General I/O allows interfacing your own electronics. It is a perfect tool to implement your own module directly on the K-Junior.
- All the needed accessories** An interactive CD-ROM and the 3D simulator Autogen are included in the pack. All the needed accessories are also included such as an IR remote, programming material and software, a Charger, a bluetooth dongle for your computer, a pen for drawing, a black tape for line following and all the documentation.

Option available

In option, the K-Junior Gripper allows you to pick up objects and interact with them, opening a large range of new applications. (not included with the Super educational pack)

