

LORRIS TOOLBOX

Microprocessor Application Development Kit

<http://tasssadar.github.io/Lorris>

Author: Vojtěch Boček
vbocek@gmail.com
<http://tasssadar.github.io>

School: Secondary School of Engineering
Sokolská 1, Brno, Czech Republic

Lorris is extensive set of tools which all share the same goal – to help with development, debugging and control of any device capable of communication either serial port or a TCP socket. This includes most of microchips used in robots and many other types of electronic devices, even common consumer electronics.

Main purpose of this software is to process and display binary data sent by the device in a clear, well-organized manner. Lorris' module **analyzer** does just that. It uses small windows (*widgets*) to display various parts of data like single number, color, angle or several values in a graph. Whole environment of this module is scriptable, which means processing of nearly any type and structure of incoming data is possible.

Lorris comprises several more modules, for example **programmer**, which is a graphical interface for flashing programs to many types of microchips or classic text **terminal**, which even now remains an invaluable tool for every microchip application developer.

Lorris is an unique tool for programmers and engineers. Its main merit is acceleration and simplification of development and testing of microchip applications. Unlike many professional tools (which often even miss necessary functions or are difficult to use), Lorris is **free, open-source** and runs on Microsoft Windows and Linux.