

Remote control functions, related software and customer support

CAN network connection

- Ekspla products are organized as set of smart modules dropped on a single serial bus - CAN bus. CAN network connection links to an internal bus and uses internal communication language.
- PC is connected through a module acting as bridge between CAN and bus, that PC understands – USB, RS232, etc in order to control remotely. Ekspla by default provides hardware bridge for all products having CAN bus inside. Most of DPSS laser have CAN to USB bridge incorporated to power supply. Flash lamp pumped lasers are connected through isolated USB to CAN module.
- Remote control software runs independently on hardware used to connect PC to CAN bus.
- Remote control implemented through DLL calls. To support customer applications, Delphi, C++, Visual Basic examples are provided. Examples are not product specific and intended for demonstration of concept.
- Remote control function set is highly configurable.

1.1.Software

- 1.1.1. LabVIEW Plug and Play Instrument Drivers for windows.
Drivers are targeted to base product, exact parameters bounds may differ or some options not applicable when running example application on particular device.
- 1.1.2. Installable test, diagnostic and servicing windows executable utility „CAN browser“ .
- 1.1.3. Universal executable utility to test remote control functions and configuration file.
- 1.1.4. General Delphi, C++, Visual Basic examples how to use remotecontrol.dll .

1.1.5. Windows executable remote control application for custom laser systems and spectrometers.

1.1.6. Spectrometers come with fully functional dedicated LabVIEW based software: full sources and windows executable.

1.2.Documentation

1.2.1. Installation instructions, getting started manual of supplied software. Application Help function.

1.2.2. Header file of remotecontrol.dll .

1.2.3. Application examples sources

1.2.4. Protocol description is available on request.

1.3.Customer technical support

1.3.1. Installing, running and using of supplied software is supported.

1.3.2. Customer software development suport for USB control on Windows platform is available at additional cost.