



Spectrometric solutions from components to systems



JETI TECHNISCHE INSTRUMENTE GMBH

Technical Note 16

Support for Linux and Mac OS X

Please note that this application note is only valid for specbos devices delivered since March 2010. In case of older devices please contact your supplier.

Driver Support for Linux

Nearly all newer Linux distributions with kernel 2.4.30 or greater have included built-in driver support for FTDI-based devices like specbos 1211-2 and spectraval 1501/1511. No additional driver installation is necessary.

The included driver provides a virtual serial COM port (VCP) which can be used to send commands to and receive measuring result from the device's firmware. The VCP can be accessed via `/dev/ttyUSBX`, where X is a consecutive number (`/dev/ttyUSB0`, `/dev/ttyUSB1` and so on).

Currently there are no native software products or libraries from JETI working under Linux.

Running JETI software with Linux

JETI offers software and libraries (JETI SDK) only for Windows operating systems (Windows 8.1/10/11). It's not possible to run the software directly under Linux.

Nevertheless, it's possible to use a virtual machine (e.g. VirtualBox) to additionally install Windows on it. Inside the virtual machine, because a complete Windows is running, the normal Windows driver and software will work.

However, it should be possible to get the Windows software to work under Linux using Wine.

You must install the Wine and Winetricks packages under Linux. If both are installed, you must install the Visual C++ 2015 Runtime in Wine with 'winetricks vcrun2015' on the console and select Windows version 7 with 'winecfg'.

Then you can copy the Setup folder locally from the USB stick and start the installation with `setup.exe`. The error messages 'The "NI Microsoft Visual C++ 2015 Run-Time" installation has failed' can be ignored.



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Driver Support for Mac OS X

Since 10.9 (Mavericks), OS X has included built-in driver support for FTDI-based devices like specbos 1211-2 and spectraval 1501/1511.

This driver provides a virtual serial COM port (VCP) which can be used to send commands to and receive measuring results from the device's firmware. The VCP can be accessed via `/dev/tty.usbserial-XXX`, where XXX is the USB serial number, not to be confused with the unit serial number.

To determine the USB serial number launch the System Profiler utility. Select USB under Hardware in the panel to the left and then select the appropriate device from the USB Device Tree (FT232R USB UART for specbos 1211-2, FT230X Basic UART for spectraval 1501/1511).

Currently there are no native software products or libraries from JETI working under Mac OS X.

Running JETI software with Mac OS X

JETI offers software and libraries (JETI SDK) only for Windows operating systems (Windows 8.1/10). It's not possible to run the software directly under Mac OS X.

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