



EIBDoktor

The ultimate diagnostic tool for the EIB/KNX system



Overview

The „EIBWeiche“ device in combination with the MS-Windows software „EIBDoktor“ is an easy-to-use but powerful installation tool you should not miss while doing your EIB/KNX installations. The software shows each bus telegram, even disturbances on the bus are getting displayed. Function keys F1-F12 can be programmed with any EIB/KNX telegrams to simulate missing EIB/KNX sensors, so you can easily test your EIB/KNX-installation. Powerful statistics are helpful to find bottlenecks in big installations, and device failures can be found by a simple mouse click.

The serial RS-232 version of the EIBWeiche works with all Windows versions. The USB version requires Windows XP or newer. The power for the EIBWeiche is supplied directly from the PC, so the EIBWeiche needs no main plug. The EIBWeiche devices can also be used for programming with ETS.

ETS2 - ETS5 databases are supported to import data type informations and to display the ETS address comments.

The „EIBDoktor Profi IP“ package additionally has the option to record the network telegrams of connected KNXnet/IP Routers/LAN Gateways.

Fields of application

- Commissioning of a new EIB/KNX installation
- Analyzing an existing EIB/KNX installation
- Programming/searching/reading of EIB/KNX devices

Contents of delivery

- EIBDoktor software
- Hardware EIBWeiche with serial cable and 9pin connector or USB-cable
- Users manual
- Free updateservice on our homepage
- EIBDoktor Profi IP: serial code to enable LAN monitoring
- FIAVis visualization (up to 500 process items)

Highlights

- Simultaneous diagnostics of local EIB/KNX and KNXnet/IP telegrams when using KNXnet/IP routers
- Logging all EIB/KNX-Telegrams (also non-EIS and fragmented bustelegrams)
- Busmonitoring is done even while sending telegrams!
- Displaying the complete group address range (main group 0 – 31)
- Shows all data in human readable form
- Easy to use
- Fragmented bustelegrams are related to actual telegram source (sending device)
- Long time logging (over months or even years) possible
- Filtered or unfiltered display (e.g. filtered by group addresses, physical addresses, times)
- Collision detection
- Permanently refreshed statistics (bargraph) of number of telegrams to detect bus load sources
- number of repeats to detect telegrams without ACK
- number of errors (e.g. NACK, BUSY, collision)
- number of telegrams based on physical addresses
- Permanently reordering of bargraph display (descending from left to right)
- Useful functions like easy reset of all device-programming buttons, or a “search device” window.
- Measuring of real bit times to detect wiring errors
- Function keys can be used to send bus telegrams or complex telegram lists
- Sending telegrams can be related to various EIS-Types
- You can read, write and edit bus devices
- All bus devices can be reprogrammed to ACK-devices
- EIBDoctor includes EIBWeiche, with serial or USB interface
- No external power supply required
- USB Version supports ETS2 – ETS5
- Additional software included: ActiveX, EIB.VB, ASCII, OPC-Server and FIAVis visualization (up to 500 process items)

EIBDoktor professional USB

- EIB/KNX diagnostic- and parametrization tool with BCU-Editor
- Incl. EIBWeiche USB in compact case incl. cable set
- replaces the serial buscoupler and serial interface by using the ETS2 to ETS5
- Incl. object based OPC-Server
- Incl. FIAVis visualization (up to 500 process items)
- Incl. file based ASCII-interface
- Incl. EIB.VB, ActiveX and DLL
- (contains same software as EIBWeiche visualization USB bundle but with EIBDoktor)

EIBDoktor professional serial

- EIB/KNX diagnostic- and parametrization tool with BCU-Editor
- Incl. EIBWeiche serial in compact case with open serial protocol OpenEIB and protocol Standard BIM 1.0 (ETS)
- Incl. cable set and USB 5V-adapter
- Incl. object based OPC-Server
- Incl. FIAVis visualization (up to 500 process items)
- Incl. file based ASCII-interface
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