KNX is complete now

With the latest extension of the KNX RF protocol and its support in the ETS5 KNX covers all requirements for home and building control within one Standard - KNX is complete now.
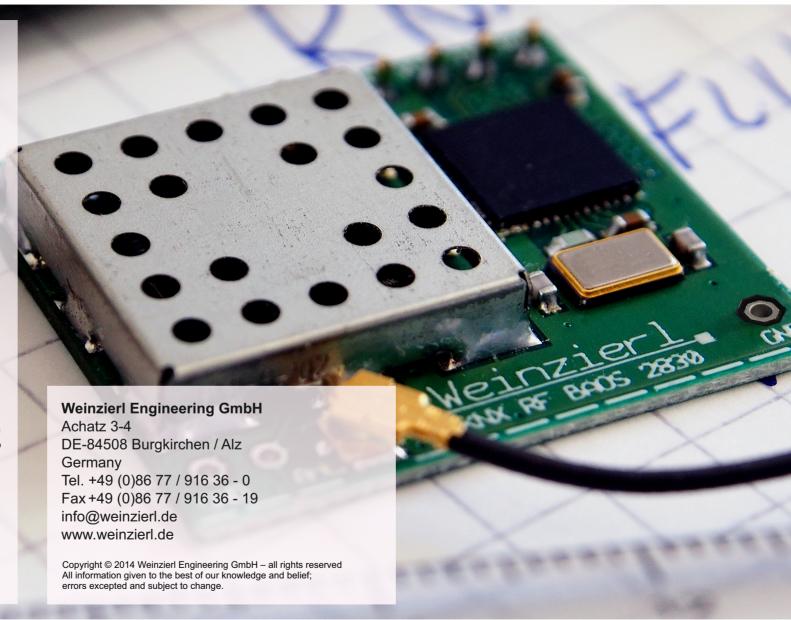
One step ahead

New elements of the KNX Specifications require new solutions. Thanks to our contribution in different working groups within the KNX Association we are always up-to-date with the latest developments.

During our two day KNX workshop we present our KNX BAOS TP Modules for the fast development of KNX TP devices. Furthermore, we demonstrate our new KNX BAOS RF Modules for a jump start into the development of wireless devices for KNX which can be managed by the ETS5.

Our new KNX Stack NGS enables enhanced modularity and scalability as with just one code basis it supports KNX TP, KNX RF and KNX IP only devices. A range of tools allows a completely new workflow with a fully automated and integrated creation of ETS product entries.

We give you an overview of the features of the KNX Standard and introduce you to a state-of-the-art KNX device design based on our System Solutions for the KNX Standard.

Weinzierl Engineering GmbH
Achatz 3-4
DE-84508 Burgkirchen / Alz
Germany
Tel. +49 (0)86 77 / 916 36 - 0
Fax +49 (0)86 77 / 916 36 - 19
info@weinzierl.de
www.weinzierl.de

KNX Development Workshop 2014
May 14 - May 15

System Solutions for the KNX Standard

Workshop basics

Date: May 14 - May 15 2014

The workshop will contain a maximum of **15 participants**, the course language will be **English**.

Workshop costs

380 Euro (net price + 19 % VAT)*

Early bird special: you book 14 days in advance and you get a **discount of 100 Euro** (**280 Euro** net price + 19 % VAT)*

*includes workshop, documentation, coffee/snacks, and lunch.

Workshop location

Our workshops are held on a separate seminar floor at our new office building in Achatz near the cities Burgkirchen an der Alz and Burghausen. Located in a beautiful environment close to the Austrian border, about 100 km South East from Munich and 50 km North from Salzburg.

Workshop accommodation

For traveling information and accommodations please visit our web page or contact us - we are looking forward to assist you.

Good to know: Our workshop will be held **by professional developers with many years of experience** in KNX system and application development.

Day 1: KNX development - Overview and development with BAOS Modules

The first day will give you an overview of the KNX system and how to start KNX device development with our KNX BAOS Modules.

09:00 Morning coffee and get together

09:30 KNX communication

KNX Communication Media
- Twisted Pair (TP)
- Internet Protocol (IP)
- Radio Frequency (RF)
- Powerline (PL)

KNX Communication Basics
- Telegram format
- Topology

11:00 Coffee break

11:15 KNX Interworking and configuration

KNX Interworking Model
- Group Objects
- Data Point Types
- Parameters

KNX Configuration Modes
- System Mode with ETS
- Easy Mode

12:30 Lunch break

13:30 KNX BAOS Modules
- Hardware
- BAOS Protocol
- API
- Application Development

15:00 Coffee break

15:30 ETS and BAOS
- Generic ETS database
- Individual ETS database
- Sample Application Development

17:00 End of Day 1

Day 2: KNX development with KNX Stack NGS (Next Generation Scalable)

The second day will show you the development process for KNX applications with our new KNX Stack NGS.

09:00 Morning coffee

09:30 Using KNX Stacks

KNX Stack overview
- Hardware for TP, IP, RF
- Device Models
- Application development

KNX Stack NGS
- COMPACT
- PLUS
- Medium Access Packs

11:00 Coffee break

11:15 Tools to accelerate KNX development

- *kScript:* Automated generation of application framework including ETS product entry
- *kDrive:* PC library e.g. for tool programming
- *Net'n Node:* Busmonitor and analyzer for KNX
- *TraceMon:* Logging tool for debugging

12:30 Lunch break

13:30 Development workflow
- Live demonstration
- Usage of KNX Stack NGS and Tools

15:00 Coffee break

15:30 Product certification
- Process
- Costs

16:00 Wrap up and summary

16:30 End of Workshop