PRESS RELEASE

KNX STANDARD V3.0: BRINGING THE INTERNET OF THINGS TO THE KNX SPECIFICATIONS

KNX Association releases the KNX Standard Version 3.0 to its KNX Members, opening the doors to the world of IoT.

BRUSSELS, 5 MAY 2022 – *On 22 April 2022, KNX Association launched Version 3.0 of the KNX Standard to its manufacturer members. This was the first major release of the KNX Standard since the publication of Version 2.1 in 2013. This new version is a big leap forward, opening opportunities for both existing as well as new KNX Members.*

KNX IoT 3rd Party API and KNX IoT Point API
KNX Standard V3.0 is the first official publication of the approved standard versions of the KNX IoT 3rd Party API and the KNX IoT Point API. In this way, Version 3.0 of the entire KNX Standard celebrates the conclusion of the work on the KNX IoT project, which started as early as 2017. These specifications open up a vast new array of development possibilities for KNX members: in addition to designing KNX products based on TP, RF and KNXnet/IP, the specifications add the possibility to interface more easily to KNX Installations via RESTful Web Services and allow manufacturers to also design KNX products using IPv6 networks, such as Thread, as a communication medium.

Of course, it is expected that the KNX IoT specifications are likely to be further improved with more features and enhanced test specifications, but this is the official starting point for members in the development of KNX IoT products.

A new overview for application notes
Just as important is the fact that with every major release, KNX tries to improve the readability of the KNX Standard by including the application notes in the body text of the KNX Standard. Application notes are specification documents separate from the body text, which lay down system extensions and corrections to and from the body text. When all of these are integrated, all requirements are found in one single place, instead of being spread over multiple documents.

Key areas of improvement
The KNX Standard now includes specifications for three supported media (TP, PL and RF in its Ready and Multi flavours), one common system stack (including all of the allowed profiles), security mechanisms for KNX Classic (KNX Secure), KNXnet/IP specifications and now also specifications for KNX IoT 3rd Party and Point API (including their own security requirements). Naturally, still included are updated versions of the Hardware Requirements, Certification Manual, Application Specifications, Test Specifications, Requirements for Basis & System Components and Application Specific Standards such as Logical Tag Extended and M-Bus Mapping.

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Available now for KNX Members, public release planned

Members had been eagerly awaiting a stable version, especially for the KNX IoT extensions, in spite of the fact that precursor versions had been published in previous years. For the finalisation of developments and start of certification of corresponding devices, such major releases are a must. Following publication, all members who have signed the IPR (Intellectual Property Rights) License Agreement will now be invited to come forward with any necessary patents they may hold on aspects that are explicitly described in the standard or are necessary to meet the requirements imposed by the standard. This process normally takes approximately a year to finalise.

Once the IPR process has been finalised, KNX Association plans to offer version 3.0 for download by anyone via MyKNX, not just KNX members. For further info and updates, visit www.knx.org

PHOTO MATERIAL

Printing of pictures permitted

Picture
KNX Association launched Version 3.0 of the KNX Standard to its manufacturer members.

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About KNX

KNX Association is the creator and owner of the KNX technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and blind control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, smart metering as well as household appliances, audio/video and many more. KNX provides a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy mode). KNX is approved as a European (CENELEC EN 50090 and EN ISO 22510) and an International standard (ISO/IEC 14543-3). This standard is based upon 30 years of experience in the market. Over 500 member companies worldwide from different application domains have more than 8,000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with nearly 100,000 installation companies in 190 countries.

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