

The world's only open STANDARD for home and building control



Press release

KNX has become an International Standard: ISO/IEC 14543-3

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KNX is the only worldwide approved INTERNATIONAL STANDARD for home- and building control. It already met the requirements of both European standards CENELEC EN50090 as well as CEN EN 13321-1. Its recent approval as an international standard (ISO/IEC 14543-3) now confirms the global importance of the KNX standard.

In the early nineties, the predecessor specifications to KNX came into being, i.e. Batibus, EIB and EHS. At that time nobody could foresee their individual future. These three highly important homegrown European solutions for Home and Building Control initially tried to develop their markets separately and also find a place in European standardisation. Batibus especially did well in Romanic countries, where EIB in Germanic. EHS was the preferred solution for manufacturers of white and brown goods.

In 1997, the three consortia in charge of the before-said specifications decided to join hands and to jointly develop the market for intelligent homes effort with the goal to agree on a new common industrial standard to be proposed as an international standard. The KNX specification was published by the newly set-up KNX Association in spring of 2002. It is based on the EIB specification, completed with new configuration mechanisms and communication media originally developed by Batibus and EHS.

In December 2003, the KNX protocol as well as the two media: TP (twisted pair) and PL (power-line) were approved by the European national committees and ratified by the CENELEC Bureau Technique as the European Standard EN 50090. The KNX Radio Frequency communication medium, was approved in May 2006.

As KNX provides specifications that are not only used for the automation of electrical installation equipment but also a. o. for HVAC applications, KNX Association proposed its specifications also to CEN for publication as a European standard for building automation control systems. CEN TC 247 accepted the proposal and the KNX specifications were published by CEN as EN 13321-1.

In view of the high interest for KNX compatible products outside European countries and its sound technology, KNX also initiated the necessary steps to have its standard approved on an international level. Countries active in CENELEC TC 205 proposed EN 50090 for standardisation by ISO/IEC JTC 1/SC 25 at the end of 2004. In November 2006 all parts of ISO/IEC 14543-3-x were approved for publication as International Standards. As the KNX Association has motivated its members to meet all requirements of the ISO/IEC IPR policy, speedy publication of these International Standards is expected, thereby becoming the worldwide only open STANDARD for home and building control.

This set of International Standards will boost confidence of users and planners in the use of intelligent controls in homes worldwide. Thanks to the

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published standard, appropriate guidance is now available for parties interested in the use of home and building control. KNX hopes that the publication of its specifications by ISO/IEC will accelerate the development of the market for intelligent homes considerably and offers its services to researchers, suppliers, installers and users worldwide.

Non-European suppliers offering products based on ISO/IEC 14543-3-X will benefit from the well-developed European market for products that meeting these specifications and will be able to sell their products to a well established customer base. At the same time suppliers and installers outside Europe will be able develop their home markets as they are able to offer a wide range of applications from the start even in case when their own solutions are only niche products.

By joining the KNX Association, companies from all over the world can benefit from the transfer of know-how and licenses within the association, have the opportunity to include their products in the manufacturer and product independent design and configuration tool ETS (Engineering Tool software) and participate in the trading and research programs of the KNX Association.

KNX Association is the creator and owner of the KNX technology – the worlds only open STANDARD for all applications in Home and Building Control, ranging from lighting, shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more. KNX is the only standard for home and building control with one single manufacturer independent design and commissioning tool, with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system, easy and automatic mode). KNX is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and a International standard (ISO/IEC 14543-3). This standard is established upon over 15 years of experience in the market also by its predecessors EIB, EHS and BatiBUS. Over 100 member companies worldwide from application domains have almost 7.000 KNX certified products in their catalogues. KNX Association has partnership agreements with more than 21.000 installer companies in almost 70 countries.

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