

PRESS RELEASE

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HIGHEST SECURITY FOR SMART BUILDINGS: KNX EXTENDS KNX SECURE WITH A FREE ONLINE TRAINING AND SECURITY CHECK TOOL

Two additional KNX security tools for a safer smart living experience!

BRUSSELS, 25 JANUARY 2024 – *In the age of smart living, homes and buildings become more and more connected. The global demand for innovative building automation solutions based on KNX is increasing rapidly, with countless applications and equipment available. But like any other communication technology, smart homes and buildings can become a target for hackers. For years, KNX Association has been delivering the state-of-the-art solution to secure building automation systems at the highest level: KNX Secure. The mission: Protecting the most sensitive data from the most sensitive spaces, our homes and buildings!*

Highest security with KNX: Protecting all types of communication from TP to IP (IPv4/IPv6) at internal data level and external IP level

KNX is designed to meet the highest security requirements thanks to KNX Secure and KNX IoT. On the one hand, KNX Secure supports the most secure encryption standards according to ISO 18033-3, such as AES 128 CCM encryption, to effectively prevent attacks on the digital infrastructure of buildings. It secures the IP communication between KNX Secure devices by extending the IP protocol in such a way that all the exchanged data are completely encrypted. At the same time, KNX Secure protects user data against unauthorised access and manipulation by means of encryption and authentication. On the other hand, KNX IoT implements the strongest protocols to secure IoT devices and solutions with the adoption of the new OSCORE messaging protocol using CoAP and CBOR. OSCORE has been optimised for resource constrained communications and is utilised to encrypt all types of messages end-to-end between endpoints.

Preventing access to KNX installations

In addition to the security features of KNX Secure and KNX IoT, an online training in [MyKNX](#) provides KNX professionals with special security know-how. The course informs about advanced strategies that they can employ to ensure solid security of all the systems they install. The KNX Association's 30-minute online training "How to Prevent Access to KNX Installations" gives system integrators a comprehensive understanding of how to set up a secure KNX installation. All they need is a MyKNX account. The online training, which is free of charge, is an ideal complement to the ETS eCampus and is strongly recommended before enrolling on a certified KNX Basic Course. Those who complete the course will receive an official certificate.

KNX Security check: Verify your KNX installation's protection online!

With the KNX Security check, KNX intensifies its efforts to provide the best security environment for building automation solutions and devices. Thanks to this new online tool, KNX professionals and users can check whether their KNX installation is protected against



Smart home and building solutions.
Global. Secure. Connected.



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contacts over the Internet. With a simple click on a button, they can find out if the setup of their KNX installation is truly secure. The easy-to-use KNX Security check is also part of MyKNX and available in six languages for free after the login.

For more information and an overview of all the security features of KNX, please visit <https://secure.knx.org>.

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PHOTO MATERIAL

Printing of pictures permitted



Picture
Highest security for smart buildings



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About KNX

KNX Association develops and promotes the KNX standard to offer smart home and building solutions on a worldwide scale, 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. All these building applications can be configured with 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 an extension of the KNX technology towards the Internet of Things (KNX IoT). 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 on more than 30 years of experience in the market. Over 500 manufacturers worldwide from different application domains have more than 8,000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with more than 120,000 installation companies in 190 countries.



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