

Home Automation

Home automation is building automation for a home, also call a smart home. A home automation system control lighting, climate, entertainment systems and appliances. It may also include control of home security such as Intruder Alarm, Access Control and Video surveillance/CCTV system, etc. A home automation system typically connects connected devices to a central hub or 'gateway'. The user interface for control of the system uses either wall-mount or handheld Smart Tablet or Smart Phone with web interface via the Internet.

They are many types of smart home systems. One of the most established use **KNX** standard.

KNX is an open standard (EN50090/IS)/IEC 14543) and intelligent home automation and building control system that can be integrated into a variety of environments. All functions can be programmed and extended constantly. The range offers a variety of home automation features, such as blind/switch actuators, dimming actuators and room temperature control units.

We offer Satel KNX modules in building smart home system. It can be integrated with Satel Integra range of alarm panels.



SATEL KNX are modules designed for use in smart systems

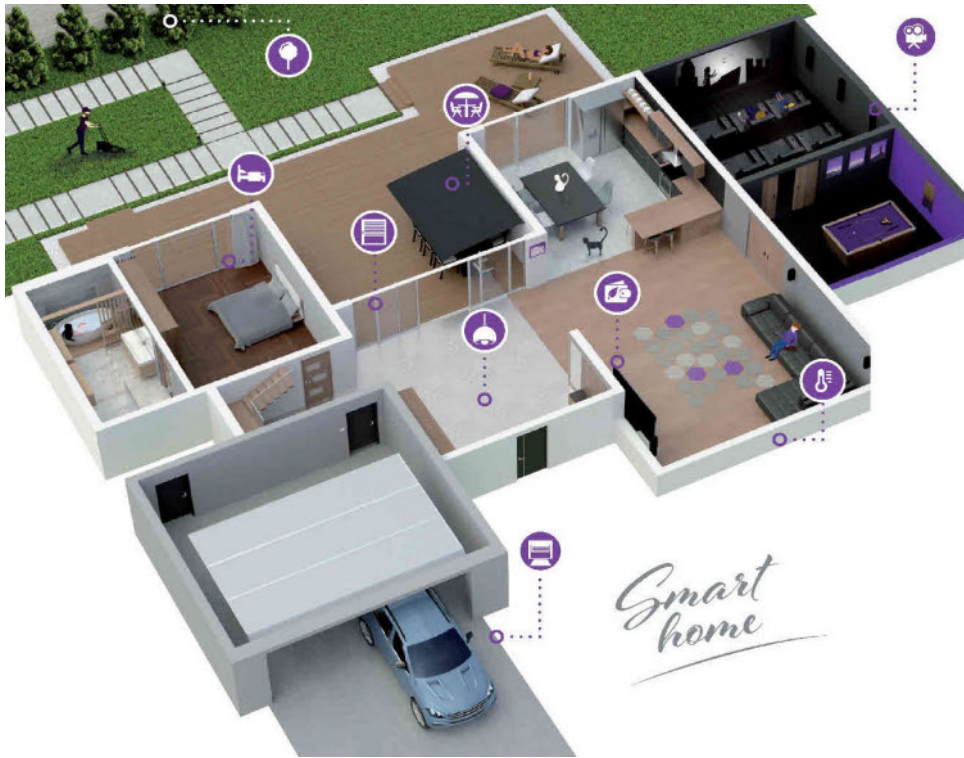
They meet the highest requirement for modern building management applications. The solutions are based on KNX technology - the world's open standard for many types of systems. The devices can be used in all types of buildings, including residential, office, industrial and commercial ones.

KNX Integrates Various systems:



Satel KNX modules for building smart home





KNX system - how it works

Invite modern solutions into your daily life to gain much more than just some extra time. From now on you will not have to worry about anything - your smart home will automatically meet all your wishes. It will do your everyday duties for you, allowing you the pleasure to spending time with your loved ones. The number of its functionality is infinite. Below are just some examples that we hope will inspire you to create your ideal home



TEMPERATURE

The temperature in individual rooms changes automatically to meet your preferences. The system constantly monitors the weather and adjust the performance of individual systems (air-conditioning,



LIGHTING

Intensity and type of lighting will always match your mood! It takes just one click to start a selected light scene. Therefore, the brightness of the light points you choose will immediately adjust to the circumstances. When you leave for vacation, the system will control the lighting in such a way as to simulate the presence of the household members. This imple procedure will discourage potential burglars who might be watching the house.



ECOLOGY AND ECONOMY

Intelligent technologies can also take care of the family. Leaving the house? The system will automatically turn off devices that do not need to work when you are absent. It will also turn off the light.



WINDOWS

Windows in your smart home can controlled automatically. Depending on the circumstances and the need of your household, they are automatically opened, tilted or closed. In additional, the control of anti-burglary roller shutters, blind and electric curtain will adjust the level of window covering to your preferences.



DRIVEWAY

You can use the INTEGRA CONTROL (Mobile App) to control the motorised gate...



BEDROOM

For a great start to your day, the system raises the blinds and tilts the window open to let the first rays of sunshine and fresh air into the bedroom. In the meantime, it is brewing for you a cup of aromatic coffee you are craving for. Our favourite music plays in the background. For such mornings, it's worth getting out of bed!



GARDEN

The garden will always look thriving and fresh! Your smart home also takes care of it by automatically matching the right watering program to the current level of soil moisture. It also sees to it that particular plant species receive exactly as much water as they need. That's why you do not have to think any longer about watering the garden - regardless of whether you are at home or on vacation.



MEDIA ROOM

A movie night with friends? Look how the room can change into a modern cinema in a few moments, the projection screen is lowered and the projector is turned on. All lighting gets dimmed, except for some dedicated light spots for example, above the snack corner. The window blinds go down, creating the right mood and comfortable viewing conditions. The player starts the movie you have selected.



TERRACE

Relaxing on the terrace on a sunny afternoon? The system automatically opens the awning, providing you comfortable shade. In the evening, a romantic garden light comes on, which helps you relax after a day full of challenges. Also, on cooler days, you can enjoy the pleasures of resting on the ..

INTEGRATION WITH INTEGRA ALARM SYSTEM

Integration of KNX system with *Integra* control panel extends capabilities of the two systems. For everyday control of both systems, you can use touch keypads that are part of the alarm system, which translates into cost optimisation. The INTEGRA CONTROL mobile application can be used for remote control of the alarm system and some of the KNX system functions.

