

# Seica

Smart Home & City

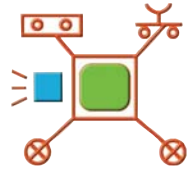
## DOMOTICS

at the same **cost** as a  
**Traditional** Electrical System!



**Makes HOME AUTOMATION:**  
simple, economical  
and applicable in any building  
and in existing electrical systems.

**ShoeBox** is a controller that, by utilizing power line communication and embedded signal technology, enables you to upgrade a new or existing electrical system to a domotic system that is *simple*, *economical* and *adaptable* to any type of house or building.



**ShoeBox** is the basis of a **domotic concept** that starts from a traditional electrical system and enriches it with all of the performance of a modern home automation system.

The most common approach to home automation today is to implement dedicated products which elevate costs, often to the point of discouraging a home automation solution altogether, or limiting it to cover only particular aspects or conditions.

**Seica Smart Home e City** instead has developed a proposal, addressed to **system designers** and **electrical system installers**, for a home automation solution at the same costs of a traditional system, with the possibility to freely select electrical products from any supplier.



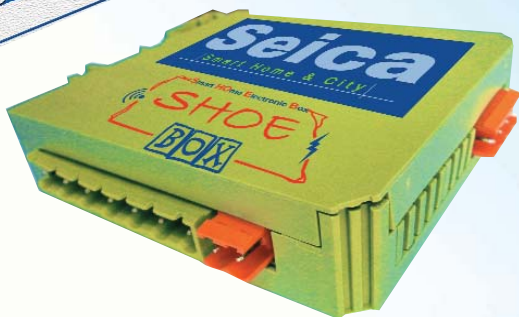
## Technology

**ShoeBox** is based on **power line** communication and on **electrical energy distribution conductors**. The main advantage of using power line communication is the capability to use existing electrical wiring, eliminating the problem of having to install new cabling. All of the components of the system are interconnected via the electrical system, thanks to **ShoeBox**.

Domotic technology, and consequent **“intelligent home management”**, brings with it significant advantages in everyday living, with features that can have a significant impact on quality of life, such as flexible management of lighting, remote control of different activities and energy savings. **ShoeBox** makes it simple and easy to use for everyone.

## The Power of a **“ShoeBox”** system :

**ShoeBox** lets you apply the concepts of **flexible** management and **remote control** to all aspects of everyday living. For example it offers the possibility to monitor an elderly person in their own home in a completely non-intrusive way, by simply checking that the light switches are being used regularly. Other examples include accessing and control of audio and video systems, real-time control of irrigation systems to compensate for changing weather conditions or intrusion alerts. All of this using **ShoeBox**, without having to add wiring or to modify the existing electrical system. **Energy management** is another very interesting and multi-faceted option which allows you to freely program energy use according to your own needs. For example, if you switch on the oven remotely, you can also turn off the water heater if the energy consumption reaches the limit of the mains power meter, then switch it back on later. In the same way you can monitor, and optimize, room temperatures since Shoebox includes a temperature sensor that can be used to regulate individual radiators. A **ShoeBox** system can also be used to transmit images and video and, in particular situations, it can send messages via email.



The **“domotic”** concept proposed by **Seica Smart Home and City** allows you to create a system that, in order to ensure reliability and coverage, uses power line communication technology as the foundation, which is especially important in buildings that pose structural challenges in terms of being able to communicate via radio waves. This eliminates the requirement for wireless hardware but does not exclude the possibility to add it when and if desired.

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