



Home automation (also called smart homes or domotics) is a field within building automation, specializing in the specific automation requirements of private homes and in the application of automation techniques for the comfort and security of its residents.

Although many techniques used in building automation (such as light and climate control, control of doors and window shutters, security and surveillance systems, etc.) are also used in home automation, additional functions in home automation can include the control of multi-media home entertainment systems, automatic plant watering and pet feeding, automatic scenes for dinners and parties, and a more user-friendly control interface.

When home automation is installed during construction of a new home, usually control wires are added before the interior walls are installed.

These control wires run to a controller, which will then control the environment.

From the point of view of where the intelligence of the domotic system resides, there are three different architectures:

**Centralized Architecture:** a centralized controller receives information of multiple sensors and, once processed, generates the opportune orders for the actuators.

**Distributed Architecture:** all the intelligence of the system is distributed by all the modules that are sensors or actuators. Usually it is typical of the systems of wiring in bus.

**Mixed Architecture:** systems with decentralized architecture as far as which they have several small devices able to acquire and to process the information of multiple sensors and to transmit them to the rest of devices distributed by the house.

Express IT Automation are an independent provider of managed automation solutions.

We can pull resource and buying power from all of the Express IT group in order to provide user friendly, energy efficient and cost effective solutions to all aspects of Industrial, Commercial and Domestic fronts

## The Integrated Home

- Media Servers
- Distributed Audio
- Distributed Video
- Cinema Rooms
- Lighting Scenes and scenarios
- Home Networking
- CCTV
- Telephony
- Automated Blinds
- Web Control
- Fire detection
- Simulate Occupancy
- Access Control
- Intruder Detection
- HVAC

## Specialised Services

- Full Installation
- Design
- Commissioning
- Cabling installations
- Training
- Fault Diagnosis
- Cable audits
- Fault rectifying
- Documentation
- Management
- Supply Only
- Call Out Service
- Wireless
- Cinema Rooms
- Specialist Termination Skills

**“Whatever the size of the task at hand you can rely on Express IT to provide the optimum solution. Our combined expertise, experience and interaction between managers, suppliers, installers and commissioning team all interact to encompass a future proofed conclusion for tomorrows needs today”**