



## Smart Home Server SW Module for Multimedia Control

*Creating Value through People®*

### Software House der Siemens Schweiz AG - die Software Factory

Intelligent buildings open up new possibilities with regard to operating convenience, functionality and mobility for their occupants, users and service providers.

The components of the building automation look after the lighting, shading, heating and their interplay.

Multi-room audio and video solutions and multimedia servers make a comprehensive room coverage possible. Each zone can thereby be individually controlled.

The visualisation is based on open standards. As a result, you can make use of a wide range of devices. These stretch from permanently-installed wall panels to mobile terminals such as Tablet PCs and PDAs. The graphic user interface will be adapted to individual requirements.

The Smart Home Server is an open system, and the components are based on Industry Standards. This gives you a wide choice for a forward-looking solution.

#### Utilisation scenarios

With the following example scenarios, we would like to take you with us on a journey to a smart future.

- **Home cinema**

In addition to the film itself, a home cinema also consists of the lighting, the shading and the audio/video components. Only the seamless interplay of all these at the press of a button will provide the desired convenience and pleasure.

- **Everything with integrated operation**

The integrated operation of the building technology and the entertainment electronics brings many different advantages, such as

- Not having to search for the right remote control
- No incomprehensible button fields on the remote control
- No different operating units next to one another.

All operating functions are based on the same simple, graphically-oriented user interfaces. All functions can be called up from anywhere, or can be linked to the User Management.

#### Building automation

Modern building automation brings you more convenience, control and energy efficiency.

- **Basic functions**

Direct operation of the lighting, shading, the air conditioning and other controllable elements. The operation takes place using graphically-oriented user interfaces.

- **Additional functions**

Common operation of several individual elements via centralised functions (e.g., everything off) or scenarios with which specific conditions can be called up (e.g., home cinema on). By using the time controller, recurring tasks or time dependencies can be realised.

- **Integration**

In addition to the simple house technology, additional systems within a house can also be integrated, such as monitoring systems, intercoms, fault message processing, remote maintenance, User management and many others. The goal is a comprehensive overall system that is nevertheless simple to operate, and with which you can feel safe and comfortable.



## Multimedia

### • Multimedia terminals

In principle, most existing terminals and terminals that are available on the market can be integrated.

- CD/DVD players and changers
- Audio / video servers
- Audio / video switches
- Sat receivers (TV/radio)
- Televisions and beamers
- Tuners, receivers, amplifiers
- Multi-room systems

In order to do this, the terminals must be equipped with either an infra-red or some other data interface. Our partners will be happy to advise you during the planning and procurement.

### • Multimedia-Controller

We make use of so-called "Multimedia Controllers" for the control of multimedia terminals. These can be driven the various terminals via infra-red, RS-232 or relays. At the moment, the following appliance manufacturers are supported:

- Ada
- Audioaccess
- Global Caché
- Vity

### • Operating units

The Smart Home Server supports a wide range of different terminals, such as:

- Graphic wall panels
- Mobile panels, such as Tablet PCs, Web tablets, PDA
- PC-based systems of all kinds

### • Operating interfaces

In the design of the operating interfaces, both optical and functional customer requirements can be taken into account, such as:

- Different types of units, CDs, DVDs
- Different levels of detail (more or fewer functions)
- Different types of display (colours, shapes, operating elements)
- Additional information (labelling, Play-Listen)
- Support of On-screen displays

### • Operating functions

The operating elements offered can initiate simple, but also complex functional sequences. The system behaves like a unified whole - regardless of the structure of the components involved.

## Our range of services

- Consultation during the planning of integrated visualisation solutions (building automation & multimedia) and the infrastructure necessary for these.
- Consultation and planning of the multimedia systems by our specialised partner companies.
- The procurement of the components for the following areas: IT infrastructure, telephone systems, building automation (EIB), and multimedia
- The realisation of customer-specific additional functions
- The realisation and commissioning of customer-specific operation and visualisation solutions.

## Contact person

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