



Berker the right way.

THE BUILDING AUTOMATION YOU CAN ACCESS FROM ANYWHERE

By its very nature, properties are immobile and bound to a specific location. However, this is no longer true when it comes to controlling your building systems. With Berker IP-Control you can monitor and change heating, lighting, shutters and other facility components from any network or Internet connection either inside or outside your home. The IP world and KNX/EIB building services engineering are thus growing closer together.

No matter whether the task is to organise building services in the private residential environment, or to manage decentralised infrastructures (even company-wide) – Berker IP-Control is the future-oriented solution for comprehensive building management.

The real challenge here, however, is to take the plethora of information that is available and make it quick and easy for the user to understand.

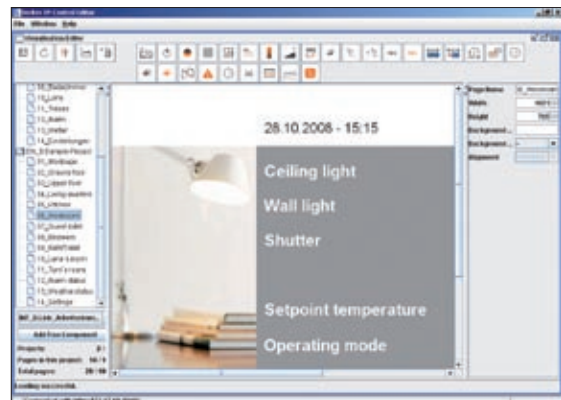
Because each user has individual needs, preferences and habits, it is important to take these into account already during the development of a control concept. And nothing is better here than to place the user himself at the centre of the technical solution.

To recognise the user's individuality and to work together with him to design the user interface – Berker IP-Control provides the innovative hardware needed for this, and has available the necessary software for Java-capable clients as well as a preinstalled base project. An optimal basis for a user interface¹ that is already impressive for its simple, quick commissioning.

ORDER DATA

IP-Control, light grey

7571 00 04



LEGEND

- 1 Ethernet interface (RJ45 port)
- 2 Programming LED and programming button
- 3 KNX/EIB connection
- 4 Five status LEDs
- 5 Connection to external 24 V power supply

VISUALISATION EDITOR

¹PC with display or touch screen required!

OVERVIEW OF ADDITIONAL FEATURES

SECURITY

- Monitoring of private homes and properties with functional buildings – including visual information via IP camera
- Checking/changing of switching states of connected equipment or of the safety facilities in the user interface
- For each event (e. g. glass breakage or heating failure), transmission of a predefined fault message via e-mail, including forwarding of values (e. g. current inlet temperature of the heating system)

CONVENIENCE

- Monitoring and remote control of loads in a KNX/EIB system such as lights, blinds, heating/ventilation and safety facilities
- Availability of numerous automation functions
- Control of multimedia applications; a PC or KNX/EIB operating units can be used, for example, to distribute music streams from an MP3 server to output devices in any rooms desired (multiroom); Connected KNX/EIB displays (e. g. B.IQ) can be used to show text displays of the current title, a playlist or the current sound volume
- Linking of external operating units with Java support via WLAN
- Generation of up to 20 operating configurations for different applications

EFFICIENCY

- Simple installation on the DIN rail and quick set-up reduce costs
- Commissioning and servicing via Internet (IP-Control as a programming interface – also via LAN/WLAN) saves time and money
- Updatable flash controller for subsequent function expansions
- Availability of the complete ETS functionality via LAN interface (programming, parameterisation, recording, etc.) simplifies on-site commissioning
- Recording of consumption data and faults in a database for identification of potential for optimisation
- Remote diagnosis after evaluation of the transmitted system data reduces the effort required

TECHNICAL DETAILS

Requirements for the visualisation:

Java-capable client computer with:

- Web browser, e.g.:

- Internet Explorer Version 5 or higher

- Konquerer KDE 3.0 or higher

- Mozilla Firefox

- Java Version 1.5 or higher

Supply

Operating voltage

10 bis 30 V=

Power consumption

< 5 W

Connection mode

Screw terminals

KNX/EIB connection

Bus connection terminal

Ethernet interface

RJ45 jack

Software (integrated)

Browser editor

Memory

64 MB RAM, 64 MB ROM

Ambient conditions

Operating temperature

0 to +35 °C

Storage/transport temperature

-20 to +70 °C

Protection class

IP 20

Dimensions (W x H x D)

144 x 90 x 64 mm, 8 modules

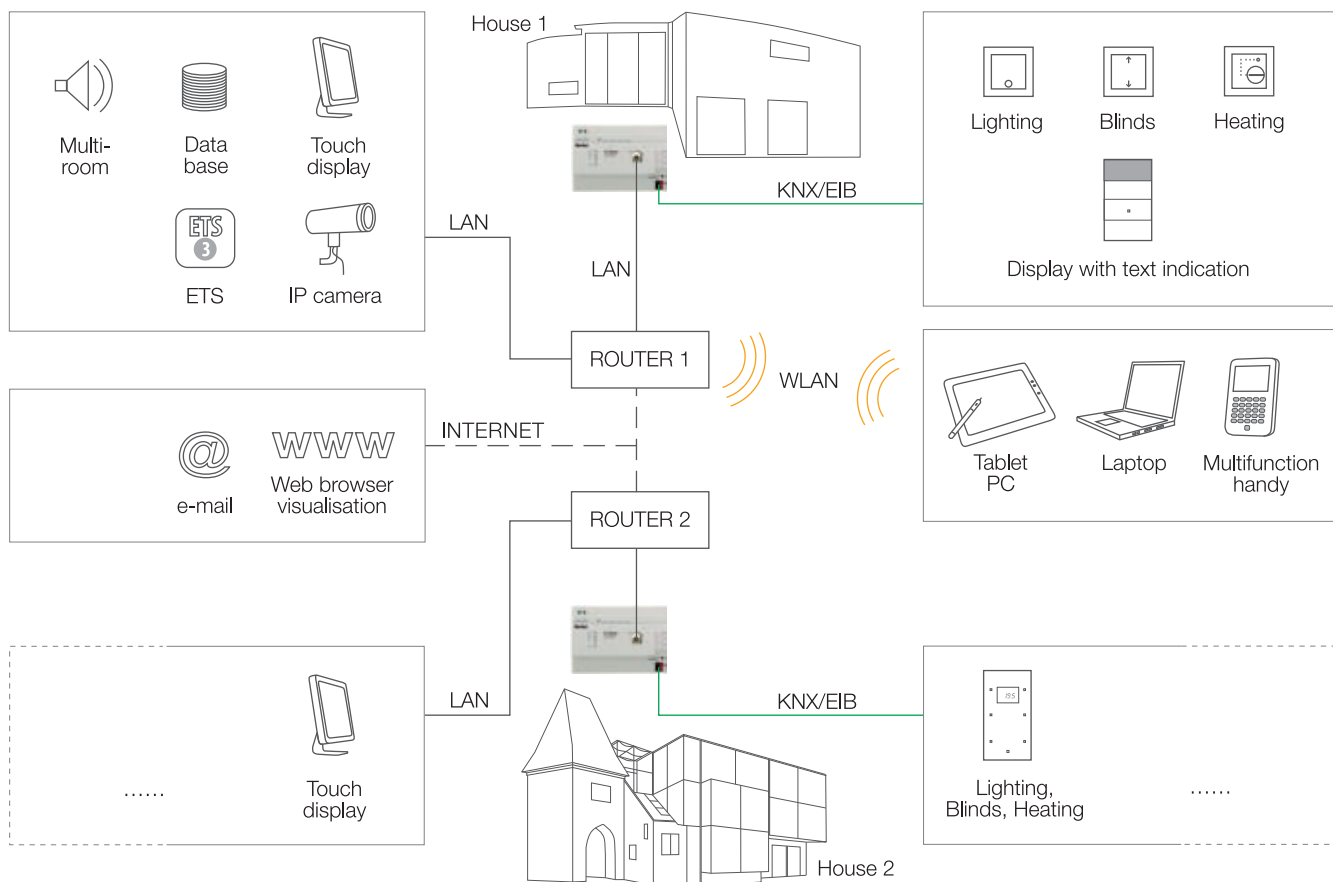
INFORMATION WITHOUT LIMITS

The comprehensive linking of local and worldwide data and communication networks has also opened up new directions in building management system, which are now brought together in Berker IP-Control.

Berker IP-Control is a server that bundles all of the functions in and on buildings, and connects the KNX/EIB system technology with an intranet via a local network, or with the Internet via DSL and modem. Integration of the network technology into the KNX/EIB building management system via IP-Control means that it is now possible to offer each user additional features – for example:

- Coupling of multiple KNX/EIB systems each with their own IP-Control via the network
- Java-based browser depiction in the configuration function, the editors and the user interface
- Independent access to the building functions from any PC (including mobile PCs) for virtually unlimited mobility
- Simultaneous access by up to 50 visualisation clients (including decentralised ones) for users with customised user rights
- Sending of predefined status and event messages via e-mail
- Remote transmission of pictures from the IP cameras (continuously or event-controlled)
- Calling up RSS feeds in the user interface and displaying the message as a scrolling text in a browser window
- Transmission of the titles of RSS feeds to text-capable KNX/EIB devices²
- Monitoring, recording and depiction of usage and consumption data

APPLICATION POSSIBILITIES



²e. g. in B.IQ with display

APPLICATIONS FOR THE PERFECT VISUALISATION












IP-Control can be reached with a web browser via its IP address. On the start screen there are three functional areas that can be selected.

THE VISUALISATION

This is the user interface that can be used to transmit commands to the KNX/EIB system via IP-Control, or conversely to display status information from the system world. The user interface is created or changed in a project through the use of editors. IP-Control makes the editor software available via the network.

THE VISUALISATION EDITOR

The user interface is designed in this editor. To make this particularly easy, exclusive visualisation elements are available over the icons in the menu bar; these can be expanded to include elements³ you create yourself:

	Switching		Momentary-contact control		Dimming		Blinds
	Temperature display/selection		Text display		Value transmitter/display		Time and date display
	Camera picture display		Fault message		RSS feeds	...	

The visualisation elements can be selected or imported in the editor, arranged and supplemented with texts, and parameterised. The background for a screen can also be individualised with self-made photographs and graphics.

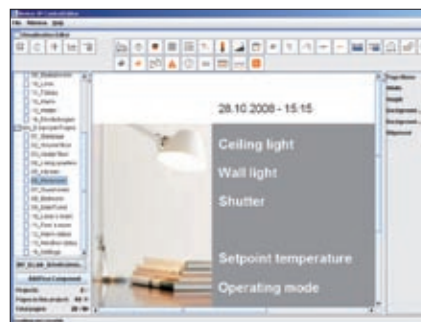
THE JOB EDITOR

Additional services (jobs) can be created here. Jobs are tasks and functions that can execute IP-Control independently. For example, the following automation functions are available for jobs:

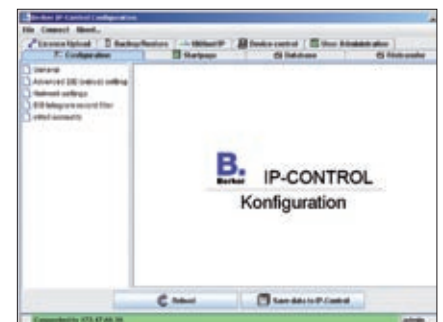
- Week and year time switches
- Staircase impulse switch timers
- Switch-on/switch-off delay
- Logic gates (logic functions)
- Light scenes with up to 28 KNX/EIB devices
- E-mail sending
- RSS feeds transmitter
- Hysteresis and threshold switch ...



START SCREEN



VISUALISATION EDITOR



CONFIGURATION

SYSTEM – THE CONFIGURATION

Here the basic settings for IP-Control are configured independently of ETS (for example the IP address for the start screen, the physical address for ETS projects, the e-mail provider, name, installation location (for the time zone)) and integrated into networks and password management. Image files in jpg, gif or png format or your own display and control elements from **ComponentBuilder** can be uploaded. Projects and settings can be saved using backups. And a connection to a database can be set up to allow the recording of process data.

³By means of the separate **ComponentBuilder** software (see CD attached to product)

THE PROFESSIONAL WAY TO START

It is a well-known fact that when someone first encounters a new product, their first impression is the decisive one. That is why Berker has developed a base project that is preinstalled in IP-Control, and makes commissioning much smoother and easier for you.

Ready-made function blocks facilitate quick, convenient programming of the visualisation. The available applications can be used to adapt the Berker base project easily to suit the characteristics of the building and the customer's wishes. Even within this base project, the user interface and the function elements⁴ can be designed completely new and customised if necessary. The result and the way you achieve it will satisfy both you and your customer.

This exclusive base project from Berker is structured according to an architecture that is systematically subdivided into operating levels.

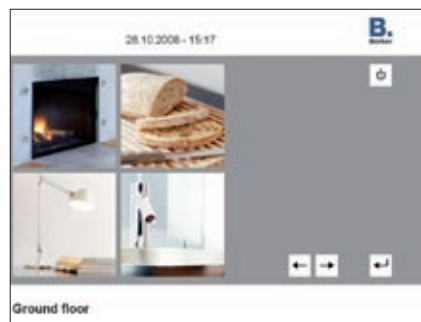
For example a private home, its floors, and its rooms are depicted in a structured manner in these three levels. For quick orientation, object-specific photographs or floor plans can be imported and stored with sensor elements. In this manner the user can enter the house digitally, so to speak, and can move through the floors, into the rooms, and to the loads being controlled – completely intuitively.

The operating experience is complemented by the centralised functions, the status displays, and the depiction of measured values.

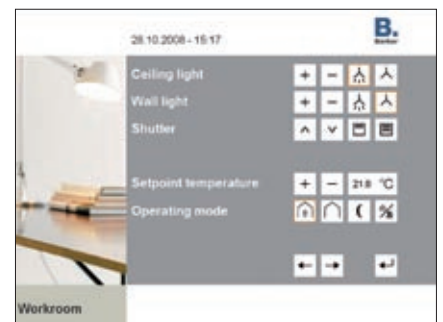
SAMPLE SCREENS FROM THE BASE PROJECT



BUILDING LEVEL



FLOOR LEVEL



ROOM LEVEL


⁴By means of the separate **ComponentBuilder** software (see CD attached to product)

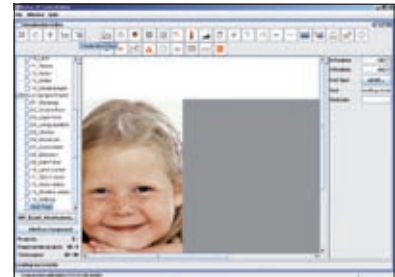
FOUR STEPS TO SUCCESS

For a quick, professional start we strongly recommend that you use the Berker base project. After all, details such as images, symbols, functions or individual screens are easy to add or exchange. The four steps used to create a switching function on a new visualisation screen demonstrate this very convincingly, and are representative for all of the other possible operations.


The **EDITOR** is called up and the project to be edited is selected.

1.

- Use  to create a new visualisation screen.
- Adapt parameters of the visualisation screen (name, adapt resolution to that of the visualisation client, select background colour/image).



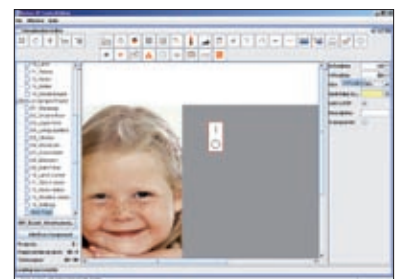
2.

- Create switching function . Select from an existing library of visualisation elements or insert a self-made element.




3.

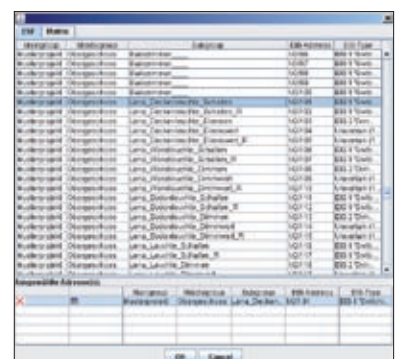
- Configure the switching function. Using the mouse and/or the arrow keys, you can position the symbol for the switching function precisely at the pixel level.



4.

When the switch symbol is highlighted, the object (output) associated with the switching element can be accessed under the parameters.

- Assign a group address or select from a list.
- Confirm with **OK**.
- Save with .



BERKER – THE RIGHT WAY.

Do you know how to design rooms with exceptional ease and with a more individual style?
At Berker we have been working on that since 1919 – and we have found some highly attractive answers.

Berker switches and systems are in use all over the world, making life more beautiful, easier and more comfortable. We place the utmost emphasis on quality, design and innovation. This is confirmed by the numerous awards we have received both at home and abroad.

Berker is a leading supplier of high-quality electrical installations – from timelessly classic switch design through to intelligent building management systems. All new developments are created with just one thing in mind: the satisfaction of our customers. After all, we want you to feel at home with our products for decades to come.

Don't just let your life be guided by taste, but also by state-of-the-art technology,
with Berker - the right way.



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