
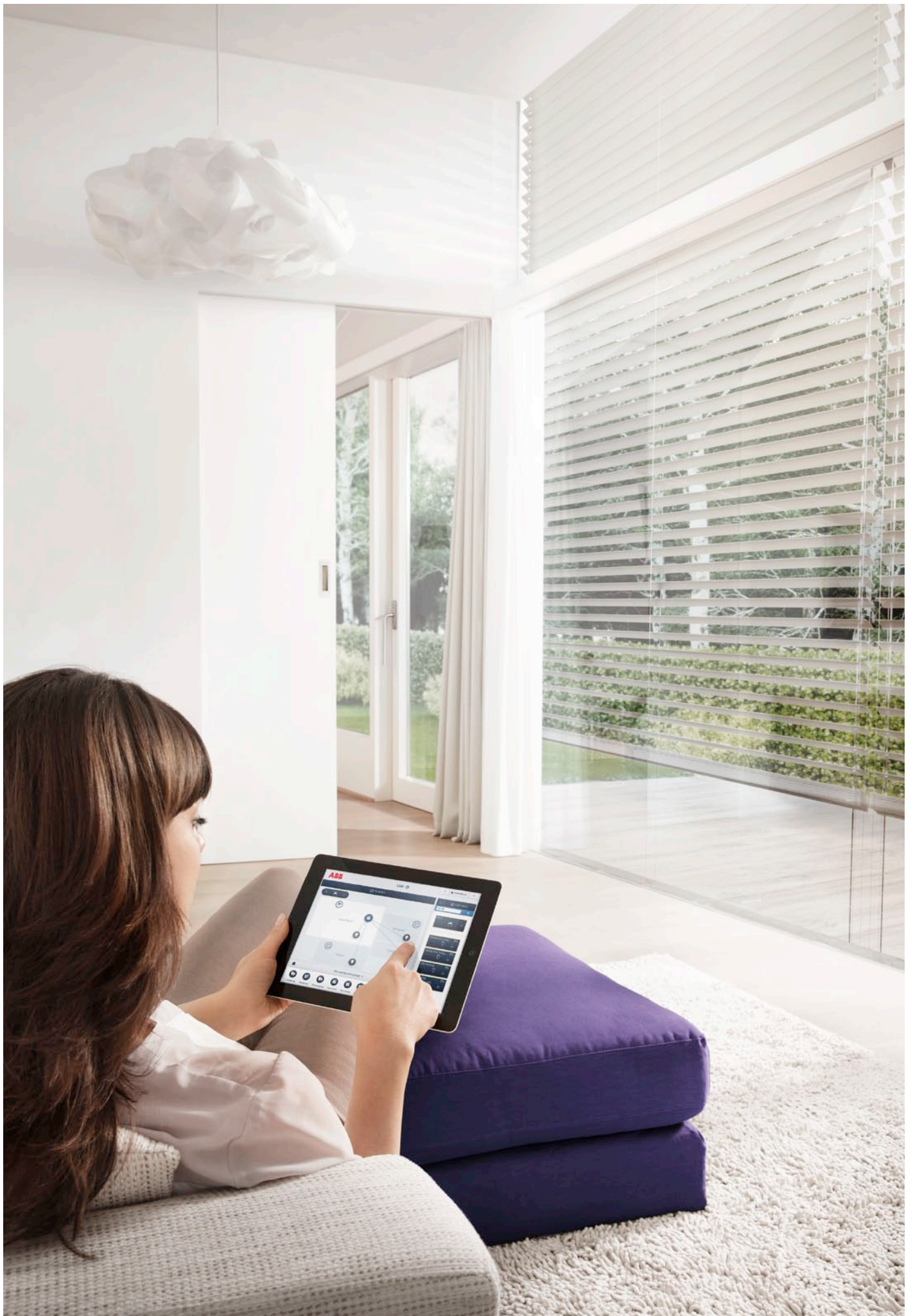


ABB-free@home®
Making home automation
easier than ever

A modern dining room with a dark wood table, white chairs, and a large window overlooking a green lawn and trees. The room features a white bookshelf filled with books, a white pendant light, and a white Buddha statue on the table. A purple cushion is visible on the right side of the frame.

Freedom is a wonderful feeling, as is taking charge of your own life. Give your home that personal touch with ease and live as your heart desires. That's just what ABB-free@home[®] offers, home automation for those who want freedom.





Controlling your own life

Flexible, simple and secure for the future



Totally practical for everyday use. With ABB-free@home®, the entire home can be controlled not only with switches, but also via smartphone, tablet or computer. The system can also continuously adapt to changing requirements, thus ensuring security for the future.

Contents



The freedom

Intelligent home	10
Total networking	12



The possibilities

Personal comfort scenes	18
Presence simulation	20
The everything-off function	22
The entire house under control	24
Easy to operate	26
Easy set-up	28



The advantages

Planning and practice	32
-----------------------	----

The range



Liberating. As innovative home automation, ABB-free@home® offers an endless number of possibilities for creative design. This allows the home to be equipped with endless personal concepts and preferences. Both today and in the future.

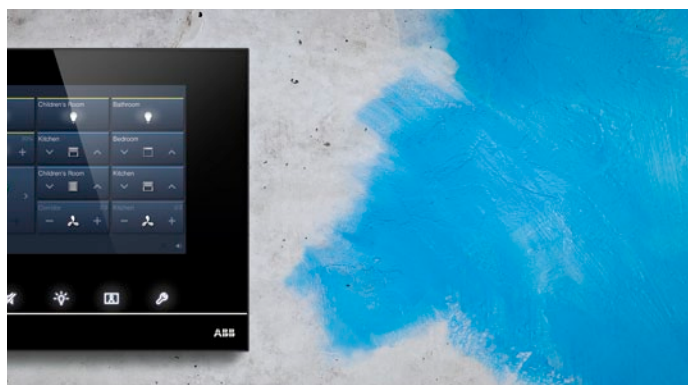




Free choice To live life as desired



Smart. ABB-free@home® transforms the house or the apartment into an intelligent home. Whether blinds, lights, heating, air-conditioning or door communication – comfort, safety and efficiency can finally be controlled remotely. Via a switch on the wall or with a smartphone.



Open for new ideas

With ABB-free@home® all functions in the house can be managed automatically – according to time plan, temperature and movement detector – or be called up at the touch of a button. And here, every combination of the various functions is possible.

-  Blind
-  Light
-  Heating
-  Air-conditioning
-  Door communication

Many advantages for operation

More pleasant living. The ABB-free@home® home automation makes daily life easier. With the right app, you can use your smartphone or tablet as a remote control at home. In the morning, you can raise the blinds at the press of a button without leaving your bed and switch on the radio in the kitchen – or

switch off all the lights and appliances at once when you leave the house. Optionally, a conventional wall switch will serve the purpose as well. Setting these scenes is also conceivably simple. Simply comfortable. Simply practical. Simply energy-efficient.

Total network

Blinds, lights, heating, air-conditioning, door communication

Comfortable right from the start. It begins with commissioning and continues later when used as a part of daily life. With ABB-free@home® all applications in and around the house are amazingly easy to combine.

Blinds

Whether blind, roller blind, awning or roller door – with the ABB-free@home® home automation, sun protection and energy-saving could not be easier. Opening and closing as well as adjustment of slats can be controlled with a switch, ABB-free@homeTouch or app for smartphone or tablet. In addition, a conventional weather station for protection during a storm, a timer or astro function can be used. It automatically adjusts the blinds according to sunrise and sunset.

- » Flexible options for control
- » Storm, rain and wind protection which responds to the weather
- » Simple operation
- » Optimised energy efficiency due to improved insulation when the blinds are lowered
- » Optimum timing



Blind switch

Ready for all operating modes. With either a short or long press of the button for roller blinds, exterior blinds or awnings as well as adjustment of slats. Together with a wind sensor the roller blinds, exterior blinds and awnings close up completely and are locked during high wind.



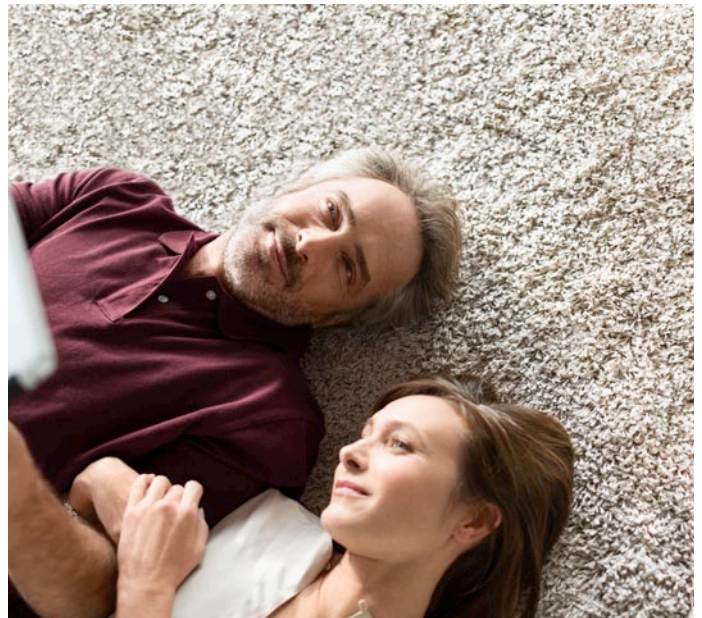
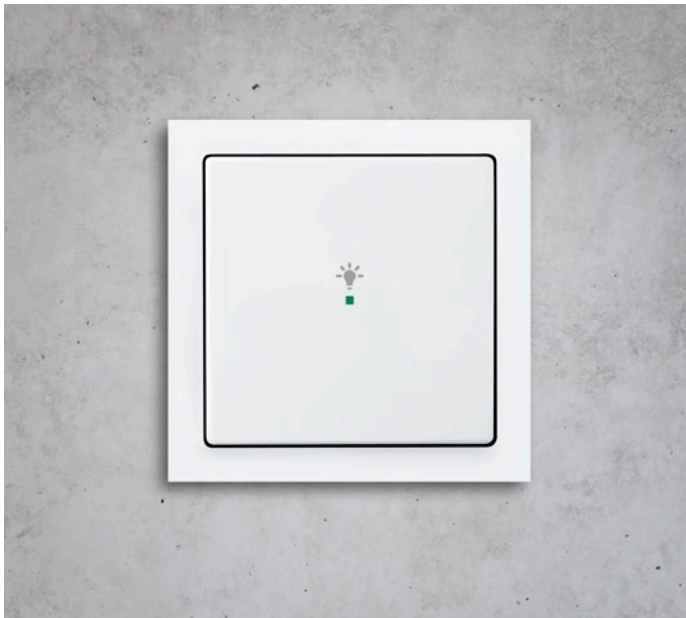
Philips hue LED.

Simply integrate the Philips hue LEDs into the system and control them via the ABB-free@home® app. This allows not only the intensity of the light to be adjusted, but also its colour. Numerous options - one operating concept.

Light control

Life begins with light. With ABB-free@home® it can be optimally used, whether for illuminating individual rooms or the entire house. For example, with striking light scenes – for different moods and to suit the occasion. A pleasant side effect here is the cost-saving and environmentally friendly use of energy.

- » Easy-to-adjust light scenes
- » Central or remote control
- » Fast activation of emergency lighting
- » Support of energy efficiency
- » Flexible use
- » Philips hue LED integration



Dimmer and movement detector

With ABB-free@home®, rooms or entire buildings can be illuminated according to your requirements. Each situation receives suitable light – whether striking light scenes or emergency lighting. All lights are switched on at once.



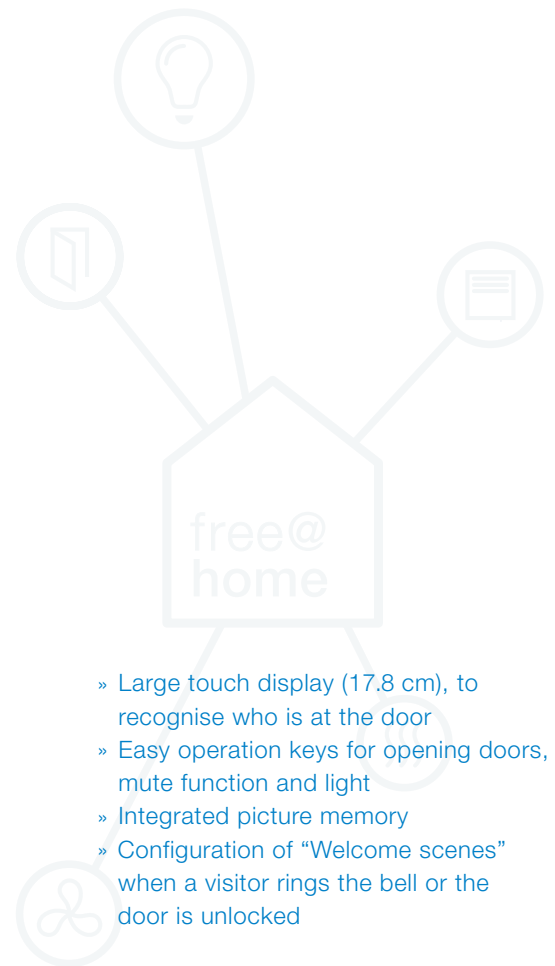
Heating and air-conditioning

Providing comfort and energy-saving. The optimum room temperature can be adjusted with ABB-free@home® individually or according to the specific requirement, depending on the time of day and the function of the room. In ECO mode, the temperature is automatically lowered at night or when the house is empty. The heating can be automatically shut off when a window is open. This reduces the consumption of energy – whether for conventional heaters or in floor heating.

The timing of the temperature can thus be perfectly adapted to your personal rhythm of life. In the morning, for example, the bathroom is already preheated. During the day, the rooms are unheated when no one is home. And when you get home at night, a comfortable living room awaits you.

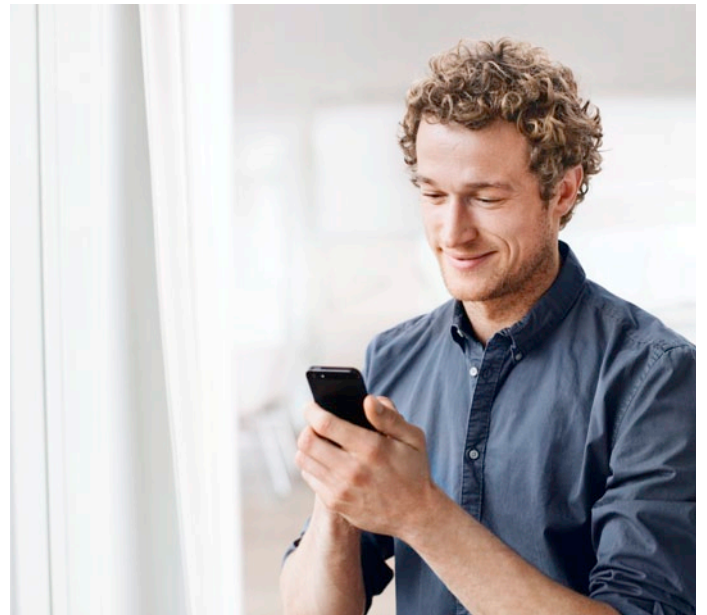


- » Heating to suit specific requirements
- » For heaters or in floor heating
- » Support of energy efficiency
- » ECO mode
- » Local operation or remotely controlled via app for smartphone and tablet
- » Automatic deactivation when a window is open



Door communication

The ABB-Welcome door communication system can be integrated into ABB-free@home®. The door communication and home automation can be used together with ABB-free@homeTouch 7". For example, the light switches come on when the doorbell rings to see visitors more clearly. And for safety reasons, the video camera records pictures of visitors at the door when no one is home.



Picture directly on the display

Practical and convenient. The picture from the video camera can be displayed on the tablet or smartphone via the Welcome app. This allows visitors who ring the bell to be recognised even when you are not at home (requires ABB-Welcome IP gateway and an ABB-Welcome outdoor video station).

The possibilities. ABB-free@home® is easy to operate and at the same time flexible and adaptable to everyday situations or to those very special moments of life. And here complete scenes can be played automatically or be set or called up spontaneously to suit the mood.

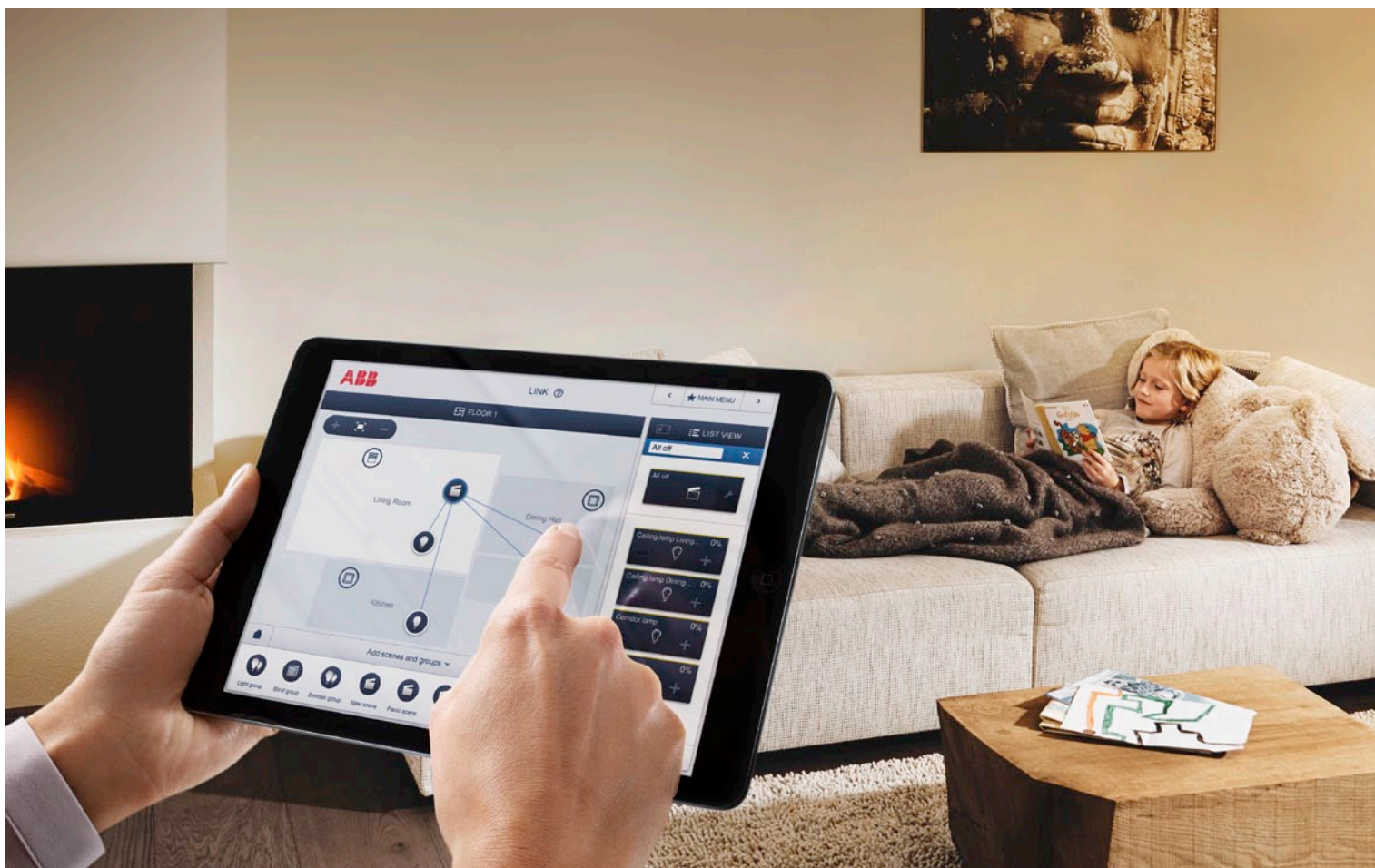




Atmosphere at the press of a button

With a personal comfort scene

The perfect evening after a day at work. ABB-free@home® prepares a pleasant reception when arriving at home. With a colourful display of light and ambient room temperature. Precisely the right atmosphere for relaxing.



Fast change of scenes

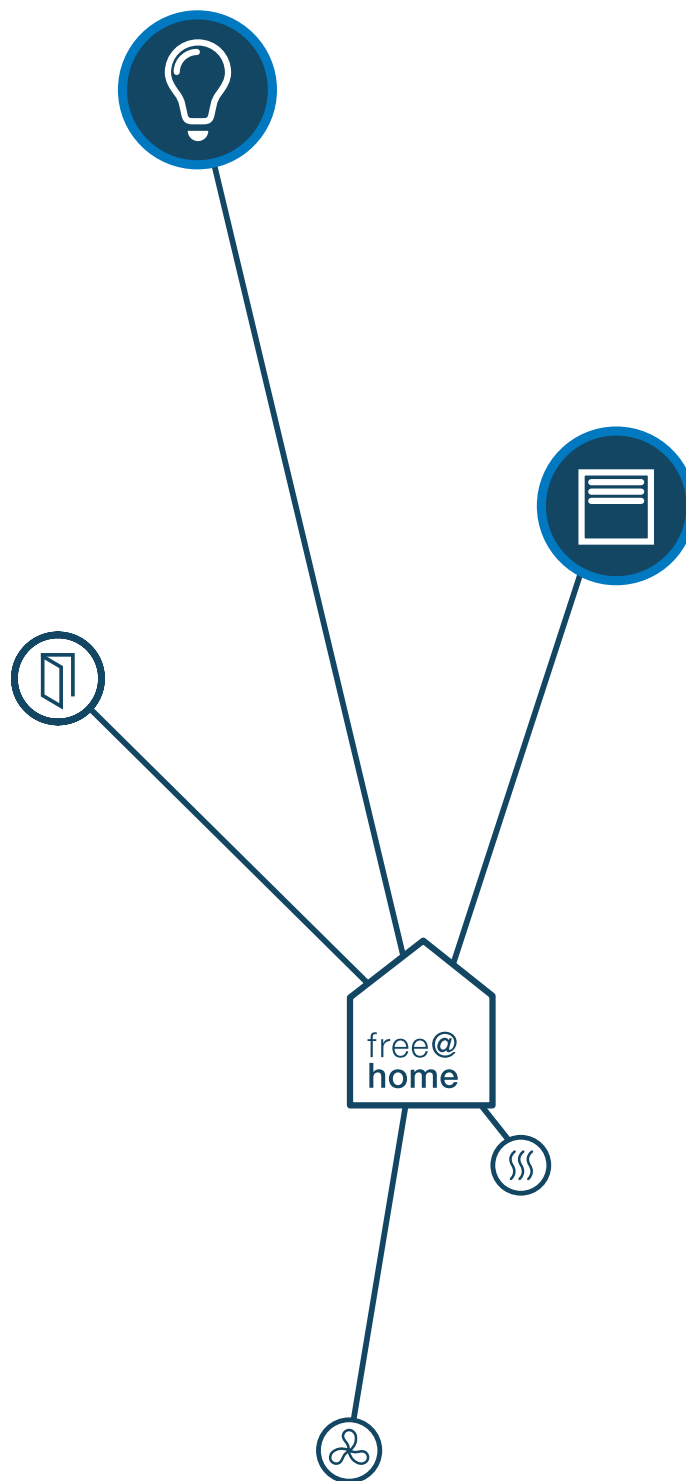
A single press of the button on the switch, on the ABB-free@homeTouch, smartphone or tablet suffices to call up a complete scene. This, for example, allows a living room to be transformed in a matter of seconds to suit an occasion – for welcoming guests or for a pleasant evening of relaxation.

Simply one's own scenes

To create or change individual scenes is as easy as child's play with ABB-free@home®. An intelligent assistance function helps to put together the desired tasks. For example, lamps and a specific position of the blind plus room temperature can be called up at the press of a button.



All functions of the Philips hue LEDs can be integrated in a scene. Aside from the brightness, also the colour shade can be defined in a scene.

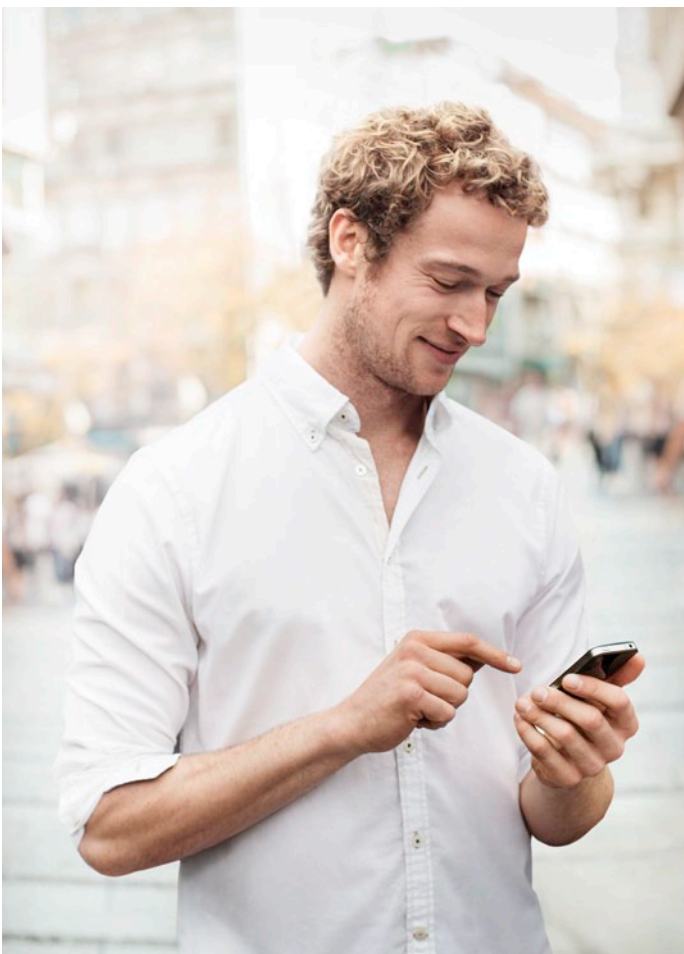


Networking as desired. Different functions can be combined for scenes.

Present and yet not at home

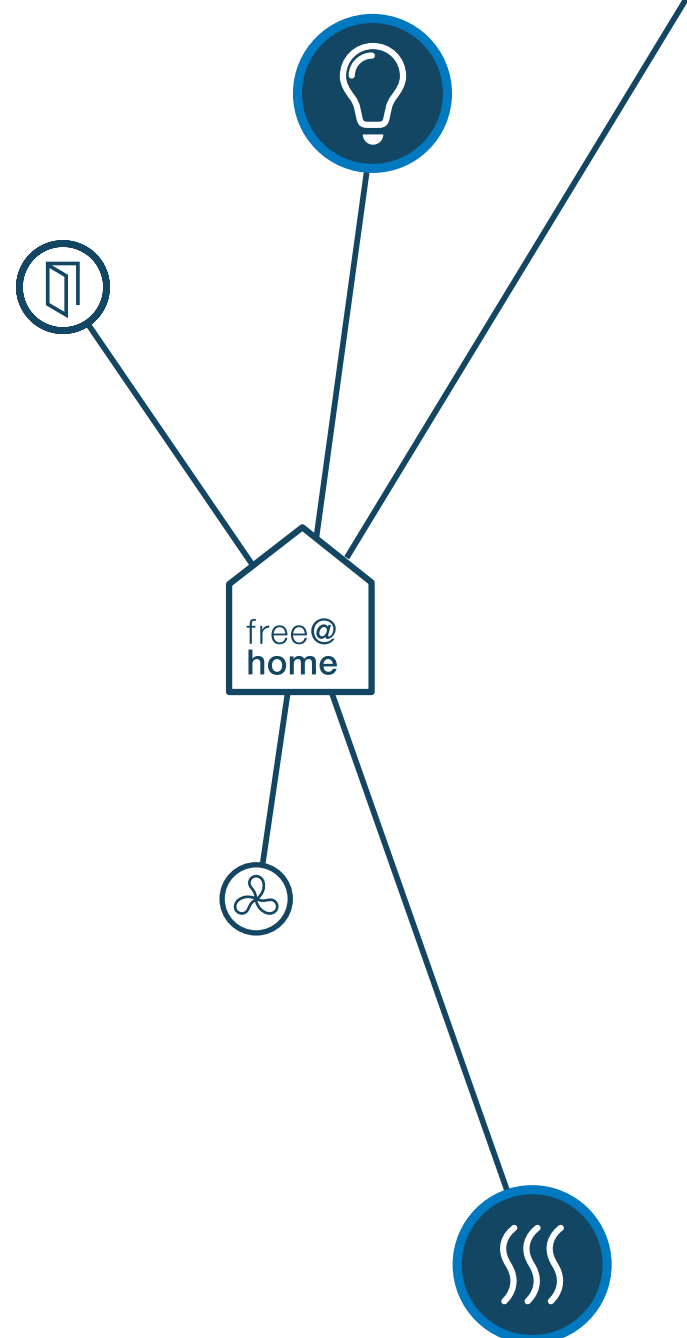
With presence simulation

Everything is in perfect order at home. Because ABB-free@home® brings life into rooms that are at times unoccupied. For this the system stores the habits of the residents while they are at home and then calls them up during their absence.



Remote control for everything

Always a good feeling. The presence simulation of ABB-free@home® records the weekly sequence of the devices. This means that its response is completely the same whether the residents are present or absent because of a business trip, away for holidays or gone shopping. Using the app on the smartphone, a safety check of the entire home is possible from a remote location anywhere in the world.





Presence simulation

For greater safety. With ABB-free@home® the home seems to be occupied even during one's absence. Whether in the evening when visiting the theatre or during a summer holiday lasting a few weeks – the system can learn and imitate the daily routine of the residents. Such simulation helps to prevent break-ins.

Automatic protection against wind

During windy weather or storms, ABB-free@home® together with a conventional weather station takes care of the independent upward movement of the blinds. This prevents damage such as buckling of the slats or broken window panes. This function is of particular benefit during one's absence because weather can change unexpectedly.

Everything off with a single function Absolutely

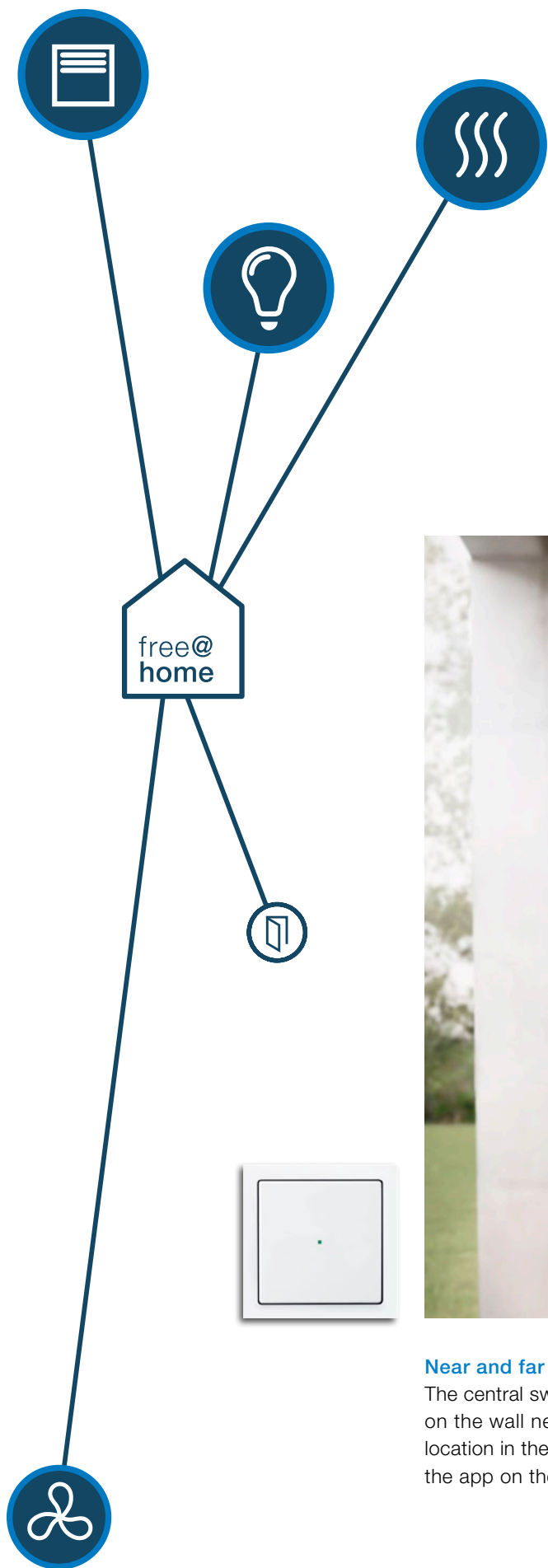
The simplest type of switch-off. ABB-free@home® offers it with the everything-off function. It is especially practical when leaving the house. It simultaneously switches off all networked devices in all rooms.



Be assured

In principle the everything-off function works just like a preset scene. In this case all networked devices are simultaneously switched off in all rooms. Aside from safety, this also benefits

energy efficiency. The everything-off function is especially practical at the bedside. Before falling asleep the entire lighting in the house can be switched off with just a press of a button. A very practical function to ensure comfort and safety.



Everything off. Stove, lights, heating, television or the iron in absence mode. A reassuring feeling.



Near and far

The central switch for the everything-off function can be located on the wall near the front door and, of course, at any other location in the house. And for mobile use it can be displayed in the app on the smartphone or tablet.



The entire house under control Simply in the network

Comfortable and user-friendly. ABB-free@home® is very easy to operate. It enables the blinds, lighting, heating, air-conditioning and door communication to be controlled from near and far via computer, tablet or smartphone. And with the ABB-free@homeTouch also from a central location in the house or as usual via a switch on the wall.

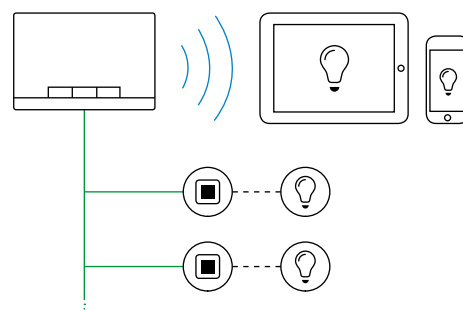


Ready to start immediately

ABB-free@home® can be made operational in a fast and cost-saving way. The reason: configuration and operation is as easy as surfing on a website, thanks to the free app. No additional software is required. The initial configuration is performed by the electrician. Later settings and adjustments can be made by yourself from every commercially available computer or tablet, with HTML5 independent of platform.

Perfectly connected

The 2-wire bus technology allows the System Access Point to be connected with different sensors. Via the connection of a conventional Internet router the home automation can be controlled with a mobile terminal device from anywhere in the world.



One pointer is sufficient For the app that is extremely easy to operate

Home automation has never been easier with the ABB-free@home® app. It is suitable for controlling the entire technology in the networked house. And to make adjustments is as simple as surfing the Internet.

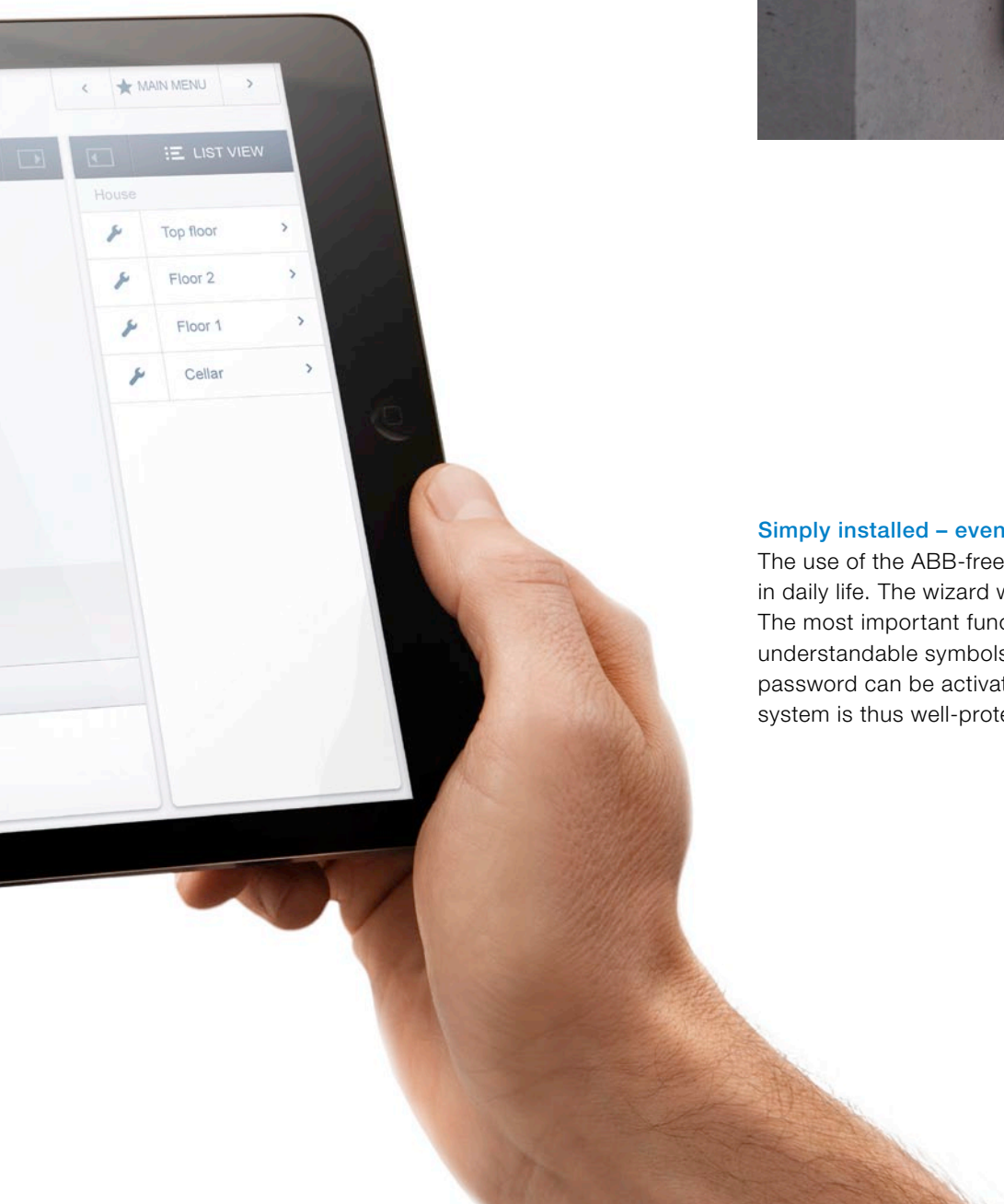


Everything is possible

The unique user interface has been developed especially for ABB-free@home®. It can be used via the Internet browser on a PC or laptop as well as on smartphone and tablet. An app which adapts the user surface to the mobile operation (iOS/Android) has been developed especially for use with smartphone or tablet.



- » Easy to install
- » Easy to configure
- » Easy to change later
- » Intuitive operation



Simply installed – even simpler to use

The use of the ABB-free@home® app is optimised for use in daily life. The wizard will guide you through the system. The most important functions are explained very clearly with understandable symbols. For maximum security, a personal password can be activated at registration. The home control system is thus well-protected against impermissible access.

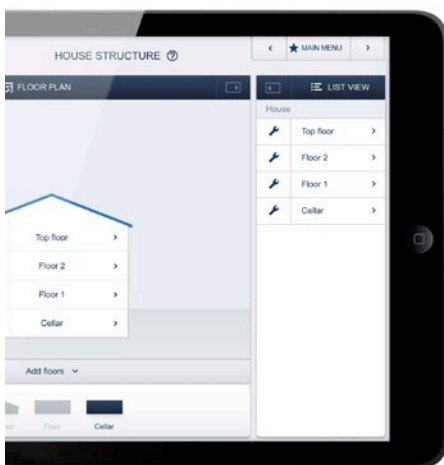
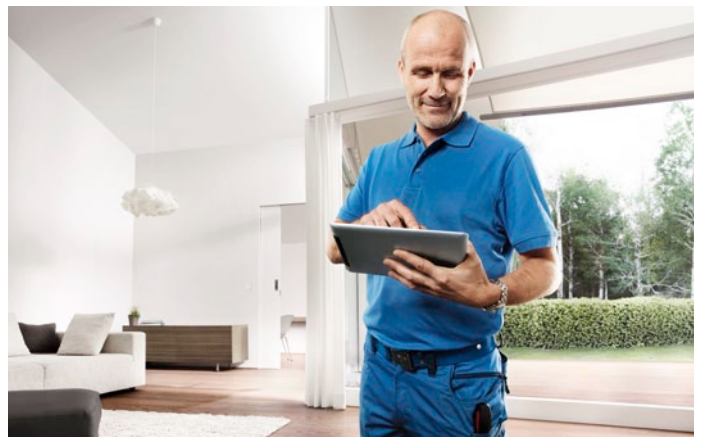
As easy as shifting your armchair

Easy set-up

Intuitive operation. The ABB-free@home® app is easy to understand. To start with, all available devices in the rooms are activated on the display, allowing the favourite settings to be made immediately via drag-and-drop.

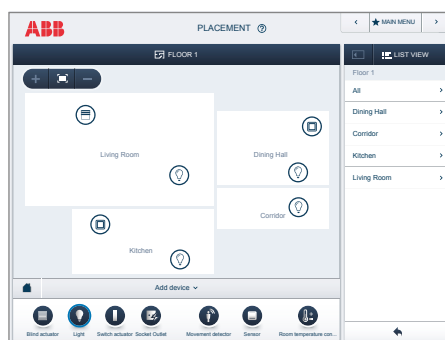
Simple and time-saving

The electrician performs the initial configuration of the system by app. Operation is particularly fast and saves cost-intensive work time.



The house

First the electrician sets up the floor plan with its floors and rooms.



Assigning

Then the sensors in the app are integrated in the floor plan and assigned in the system.

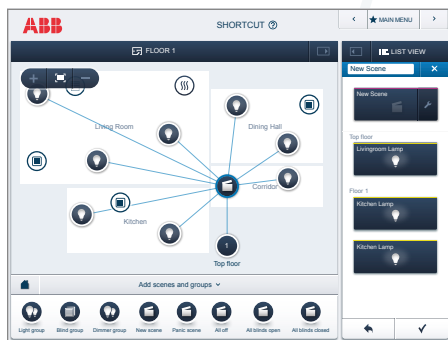


Combining

And finally, the elements can be combined according to wish and requirement.

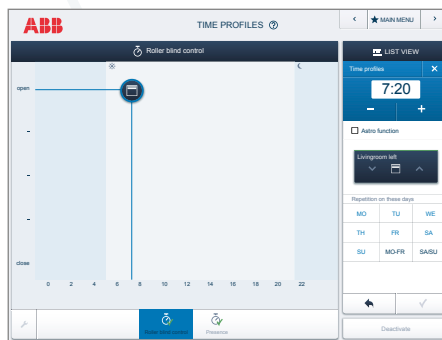


free@
home



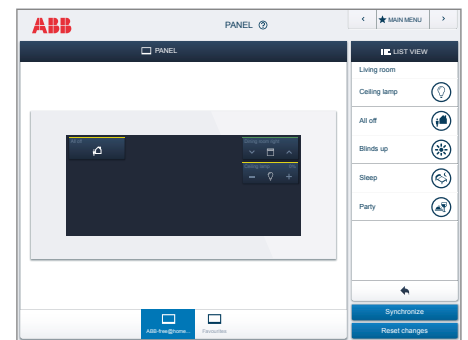
Scene control

The user can easily combine existing switches and appliances into personal scenes in every room. A lighting scene, for example, for an evening on the couch.



Time control

Roller blinds can be automatically moved and lights can be switched at any time or dependent on sunrise or sundown.



Panel setting

The most important functions can be controlled from a central location in the house and easily changed later, at any time.



Understandable and adaptable

All settings can be changed at any time. Even by technical laypersons – because the functions are self-explanatory. Handling is as simple as any other well-known smartphone or tablet app.



Advantages. From planning to efficient operation. As a result, initial installation by an electrician saves costs and the integration sustainably increases the value of any property.



The perfect plan

Possible and affordable

It also impresses professionals. Not only do the numerous functions and unlimited possibilities speak for ABB-free@home®, the system also distinguishes itself due to the ease with which it can be integrated into every architectural environment.



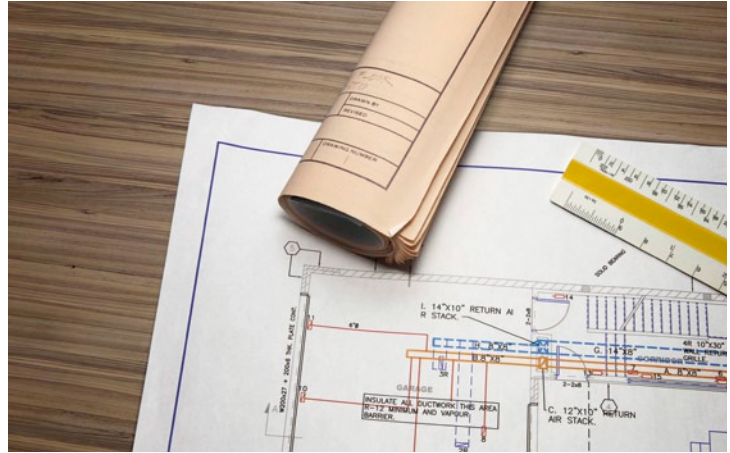
Ideal for new buildings

ABB-free@home® requires no additional construction. The walls are already open for the electrical installation – which means that the bus cable can simply be added. The system needs no special cable routings or its own installed cable ducts. Easy to plan for electricians, because the conductor routing does not determine the function.

Economical right from the start

When compared with conventional home automation ABB-free@home® is worth every cent of its price. Due to the reduced effort required during planning and installation the overall costs for ABB-free@home® remains financially within the realm of the inexpensive. The system saves time and cost, as well as energy during operation.

A safe investment – a global standard



Value-adding and energy-saving

ABB-free@home® raises the value of each piece of real estate due to the increase in comfort and improved energy efficiency. The low cost of acquisition soon pays for itself. When compared to the total cost of a newly constructed house it generally amounts to around 1 per cent. Also the cost of energy can be deliberately reduced with ABB-free@home®. For example, with the intelligent control of the blinds the optimum room temperature can be maintained with less energy. Generally the reduction of the room temperature by 1 degree Celsius saves around 6 per cent of energy.

Always affordable

For a three-room apartment according to HEA 1-Stern-plus*, an ABB-free@home® system including lighting, heating and blinds can already be implemented from 2,800 euros, plus the costs for the standard installation, such as the provision of cable and outlets and commissioning by an electrician.



Environmentally friendly with certificate

All devices for ABB-free@home® are manufactured ecologically compatible – according to the RoHS ordinance.

* Equipment rating of the Fachgemeinschaft für effiziente Energieanwendung (Technical Association for Energy Applications)

The range

Modularity makes everything possible



System Access Point

features

- » The nerve centre of the ABB-free@home® system
 - » For commissioning and remote control of the ABB-free@home® system
 - » It provides access for computer, tablet or smartphone via WLAN
 - » Allows the execution of Astro and time programs
 - » Commissioning and remote control is executed via the Web interface or app
 - » No additional commissioning software is required
 - » Easy commissioning via WLAN ad hoc mode
- » Connection to the home network via WLAN client mode or via CAT cable
 - » The functions of the system can be defined by the electrician and also remotely controlled by users
 - » For commissioning, the System Access Point makes available its own WLAN and the software required for project planning and commissioning
 - » The electrician is not dependent on the structural conditions and needs no additional software
-

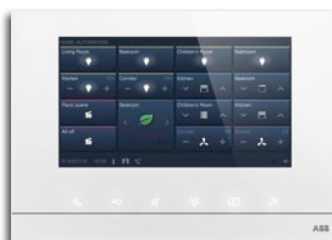
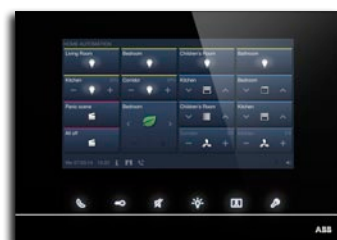
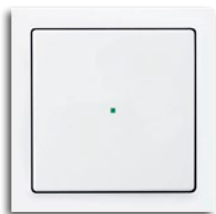


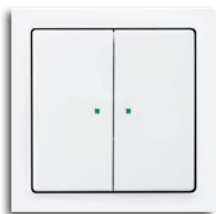
ABB-free@homeTouch 7"

features

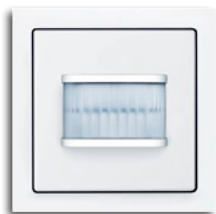
- » For ABB-free@home® and ABB-Welcome
 - » High-quality colour TFT touch display with a resolution of 800 × 480 (WVGA)
 - » For the central control of up to 16 configurable functions and display of the video image of an ABB-Welcome outdoor station
 - » SD card slot for extension of the picture memory
 - » Suitable as room temperature controller extension unit
 - » For surface mounting
-



01



02



03



04



05



06



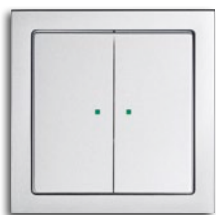
07



08



09



10



11



12

future® linear

01 Rocker, 1gang, studio white

02 Rocker, 2gang, studio white

03 Movement detector, studio white

04 Room temperature controller, studio white

05 Rocker, 1gang, anthracite

06 Rocker, 2gang, anthracite

07 Movement detector, anthracite

08 Room temperature controller, anthracite

09 Rocker, 1gang, aluminium silver

10 Rocker, 2gang, aluminium silver

11 Movement detector, aluminium silver

12 Room temperature controller, aluminium silver



Rockers including icons:
blind, light, dimmer and scene.





01



02



03



04



05



06



07



08

Reflex SI

- 01 Rocker, 1gang, alpine white
- 02 Rocker, 2gang, alpine white
- 03 Movement detector, alpine white
- 04 Room temperature controller, alpine white

Busch-Duro 2000®

- 05 Rocker, 1gang, white
- 06 Rocker, 2gang, white
- 07 Movement detector, white
- 08 Room temperature controller, white



Rockers including icons:
blind, light, dimmer and scene.



Technical accessories



09



10



11



12



13



14

09 Sensor/switch actuator, 1/1gang

10 Binary input, 2gang, flush-mounted

11 Binary input, 4gang, flush-mounted

12 Flush-mounted room temperature controller

13 Sensor unit, 1gang

14 Sensor unit, 2gang



15



16



17



18



19



20

15 Power supply

16 Binary input, 4gang

17 Switch actuator, 4gang

18 Dimming actuator, 4gang

19 Blind actuator, 4gang

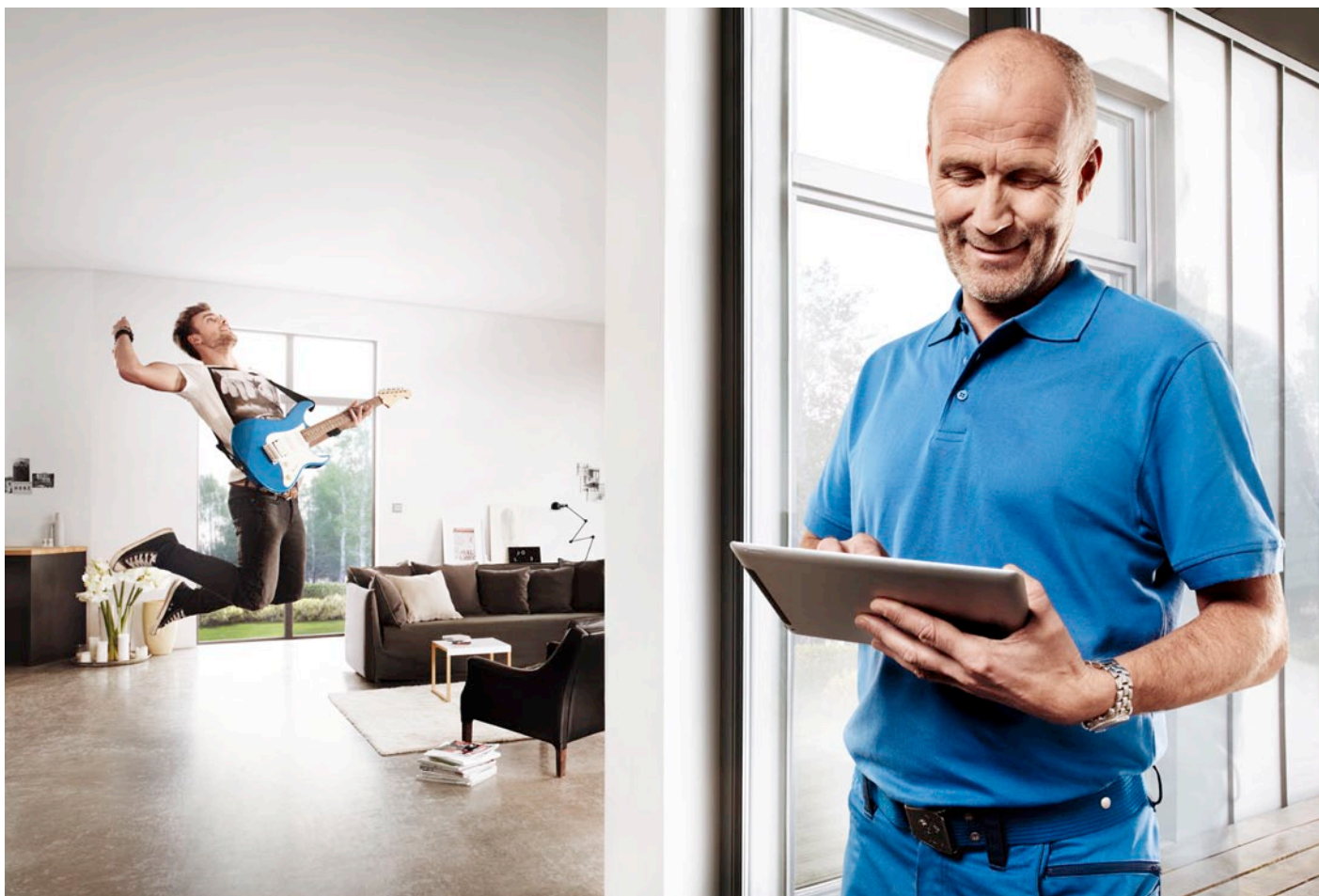
20 Heating actuator, 12gang

Flush-mounted devices

ABB-free@home® makes available different flush-mounted devices for switching and controlling of signals, such as light and temperature. They allow the desired functions to be installed as easily as a socket outlet.

Actuators

The ABB-free@home® actuators receive the signals from switches and sensors and convert them. For example, they move the blinds down or lower the temperature of the heating. The actuators are installed centrally in the flush-mounted cabinet.



Communicative and competent The ABB partner close to you

Advice and assistance close to you. Additional information regarding ABB-free@home® and individual consultation can be obtained from a local electrician.



Now scan the QR code to find out more about the advantages of ABB-free@home®.

<http://www.abb.com/freeathome>

Contact us

A member
of the ABB Group

Busch-Jaeger Elektro GmbH
P.O. Box
58505 Lüdenscheid
Germany

Freisenbergstraße 2
58513 Lüdenscheid
Germany

www.BUSCH-JAEGER.com
info.bje@de.abb.com

Central sales service:

Phone +49 2351 956-1600
Fax +49 2351 956-1700

Note:

Reprinting and photomechanical reproduction is permitted only with our express approval.

The printed material from Busch-Jaeger to the best of our knowledge informs; it is, however, not legally binding. All illustrations and photos of the displayed products are not binding with regard to chromaticity, dimensions and equipment.

The majority of Busch-Jaeger products are registered trademarks.

All information in this catalogue is supplied without liability. Changes and updates which serve the purpose of progress are reserved.

All products in this printed material, which conform to CE directives, carry the appropriate identification on the package or on the product.

BJE 0001-0-1411/7.14/0502-D, dpi 407811