

ENGLISH



**BAB**  
TECHNOLOGIE

# CATALOGUE 2023





*everywhere at home*

**BAB TECHNOLOGIE GmbH**

Hörder Burgstraße  
44263 Dortmund  
Germany

**Phone:** +49 231 476425-30

**Fax:** +49 231 476425-59

**Email:** [info@bab-tec.de](mailto:info@bab-tec.de)

**Internet:** [www.bab-tec.de](http://www.bab-tec.de)

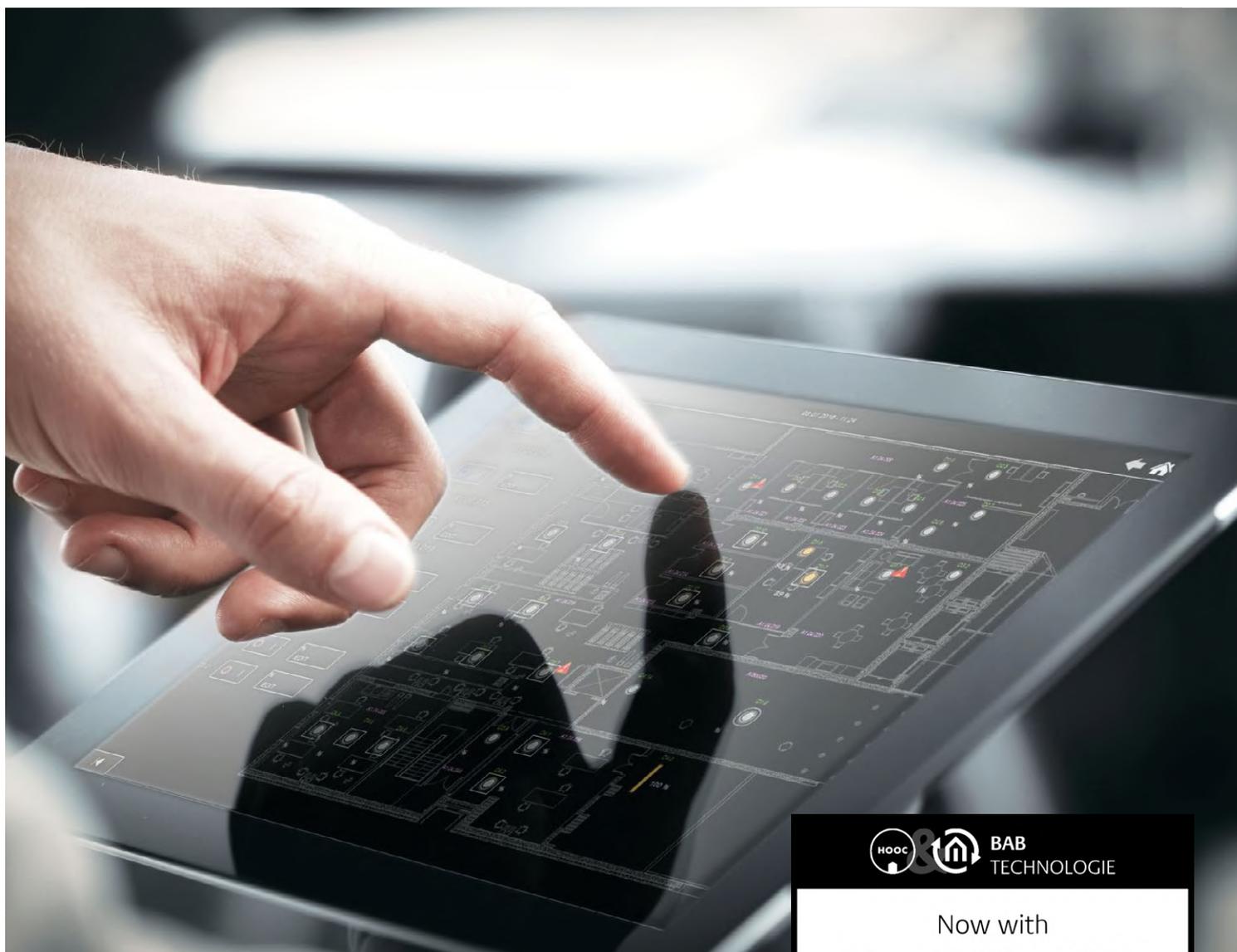
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# GATEWAYS EIBPORT V3



Now with  
**Plug & Play VPN**  
by HOOC

## EIBPORT VISUALISATION. AUTOMATION. INTEGRATION.

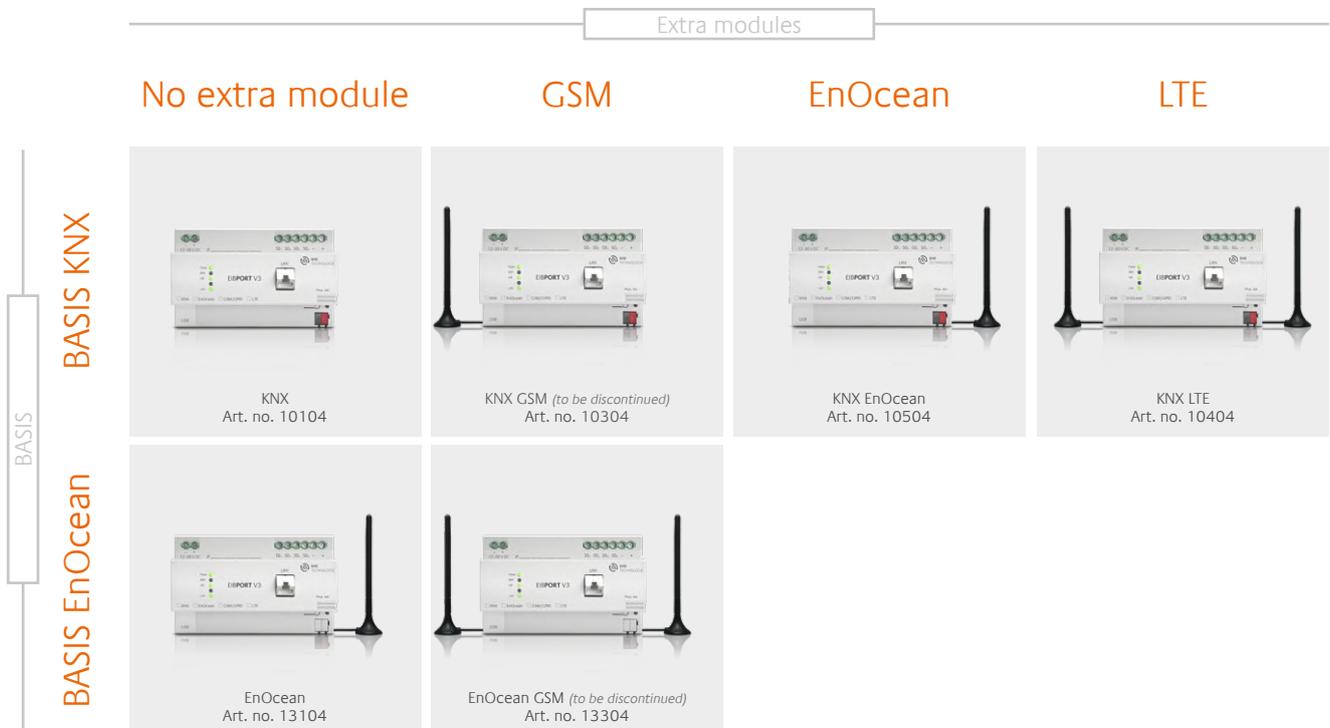
The **EIBPORT** connects KNX or EnOcean building control with the IP world. Create individual visualisations in the editor with **CONTROL L**, almost automatically with **CUBEVISION 2**, or combine both visualisation types for an even more comfortable control. The visualisations have been extended by a camera archive, the long-term data recording for up to three years and the door communication. Whether simple or complex - use over 50 integrated services for almost all automation tasks in building automation.

Program your own control sequences with the graphical **LOGIKEDITOR** or integrate third-party applications such as Amazon® Alexa.

In addition to a simulation mode, search and documentation functions, the **LOGIKEDITOR** also offers the option of loading and exporting logic groups. Via the integrated web platform [logikeditor.de](http://logikeditor.de), you can load additional ready-made logic groups for many application areas free of charge.

Via a secure connection you can also control and maintain the **EIBPORT** remotely - thanks to the integrated VPN Servers or optionally with the HOOC Plug & Play VPN. The **EIBPORT** also functions as an IP router in the KNX installation and as a programming interface to the ETS.

## 6 POSSIBLE COMBINATIONS



### Optional GSM® *to be discontinued*

With the GSM® module, your building automation system can also be reached where no Internet connection is available. By sending and receiving SMS, basic functionalities are carried out autonomously.

### 1-Wire interface

The USB connection of the EIBPORT, in conjunction with the 1-Wire USB adapter, allows access to the inexpensive sensors of the 1-Wire range.

### S0 Interface

The EIBPORT comes standard with four S0 inputs for recording consumption data. S0 counters (e. g. for electricity, gas or water) can be connected to the inputs.

### Powernet KNX

On request, the EIBPORT is also available with Powernet KNX instead of KNX/TP interface. The device is equipped with a power network coupler, which replaces the KNX/TP module.

### New: LTE

Via the optionally available 4-band modem you connect to the EIBPORT independently of an existing network. Use this flexible variant for complete parameterisation, analysis and ETS programming from any location. This way, users can access their visualisation safely and conveniently.

# GATEWAYS EIBPORT V3

## 6 POSSIBLE COMBINATIONS

### EIBPORT KNX



- KNX TP connection via bus terminal
- Administration of all 65532 KNX group addresses
- Definable virtual group addresses
- Import of addresses from the ETS
- MDRC 8 MW

Art. no. 10104

### EIBPORT EnOcean



- EnOcean via an external SMA antenna
- Range: 300 m open field / 30 m in buildings (dependent on construction materials)
- Input properties: any number
- Output properties: 128
- Numerous preset EnOcean profiles
- Can be used as a repeater
- STM 300 transceiver module
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Art. no. 13104

### EIBPORT KNX EnOcean



- KNX TP connection via bus terminal
- Administration of all 65532 KNX group addresses
- Virtual group addresses
- Import of addresses from ETS
- EnOcean via an external SMA antenna
- Range: 300 m in open / 30 m in buildings (dependent on construction materials)
- Input properties: any number
- Output properties: 128
- Numerous preset EnOcean profiles
- Can be used as a repeater
- STM 300 transceiver module
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Art. no. 10504

## 6 POSSIBLE COMBINATIONS

### EIBPORT KNX + GSM™



- KNX TP connection via bus terminal
- Administration of all 65532 KNX group addresses
- Virtual group addresses
- Import of addresses from ETS
- 4-band modem
- Send and receive text messages directly
- External antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Art. no. 10304

*to be discontinued*

### EIBPORT EnOcean + GSM™



- EnOcean via external SMA antenna
- Range: 300 m in open/ 30 m in building (dependent on construction materials)
- Input properties: any number
- Output properties: 128
- Numerous preset EnOcean profiles
- Can be used as a repeater
- Latest STM 300 transceiver module
- 4-band modem
- Send and receive text messages directly
- 2 external antennas: 2.50 m cable, magnetic base and SMA plug
- KNXnet/IP server for access to KNX

Art. no. 13304

*to be discontinued*

### NEW: EIBPORT KNX LTE

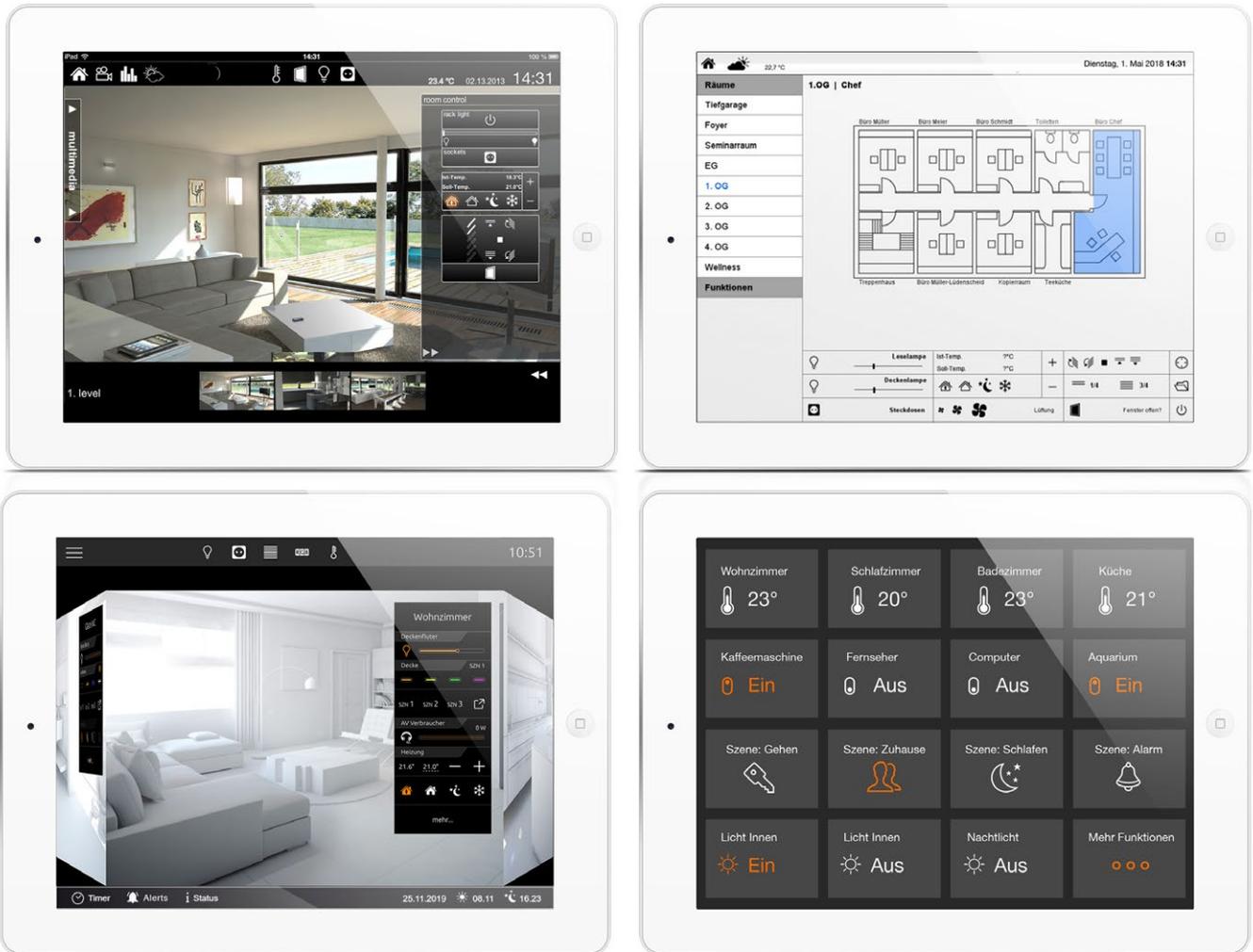


- KNX/TP connection via Bus Terminal
- Management of all 65532 KNX group addresses
- Definable virtual address range
- Address transfer from the ETS
- 4-band modem
- Send and receive SMS directly
- WAN access via mobile radio
- 2 x external antenna: 2.50 m cable, magnetic base and SMA plug
- MDRC 8 MW

Art. no. 10404

# GATEWAYS EIBPORT V3

## VISUALISE YOUR BUILDING PERFECTLY STAGED



### Individual building visualisation with CONTROL L

With CONTROL L the EIBPORT offers a most versatile, platform independent visualisation for tablets, touch panel PCs & Co. Use our provided templates or design your visualisation completely individual. The comfortable CONTROL L editor offers besides the unique live mode a multitude of ready-made visualisation elements like buttons, sliders, popup windows and RTR components. Create top visualisations at breathtaking speed with style sheets, master pages and integrated ESF data import.

[Read everything about CONTROL L starting on page 60.](#)

### CUBEVISION 2

With CUBEVISION 2 the EIBPORT additionally provides a unique, 3D-animated visualisation, which is created automatically from the configuration data. CUBEVISION 2 automatically scales to the respective display, so that the same visualisation can be used from the Smartphone to the desktop system. With the «Smart Function Creator» you can create your own scenes directly in CUBEVISION 2. In addition, CUBEVISION 2 can be integrated into CONTROL L to combine the advantages of both applications. [Read all information about CUBEVISION 2 starting on page 52.](#)

## AUTOMATE & INTEGRATE GRAPHICAL LOGIKEDITOR

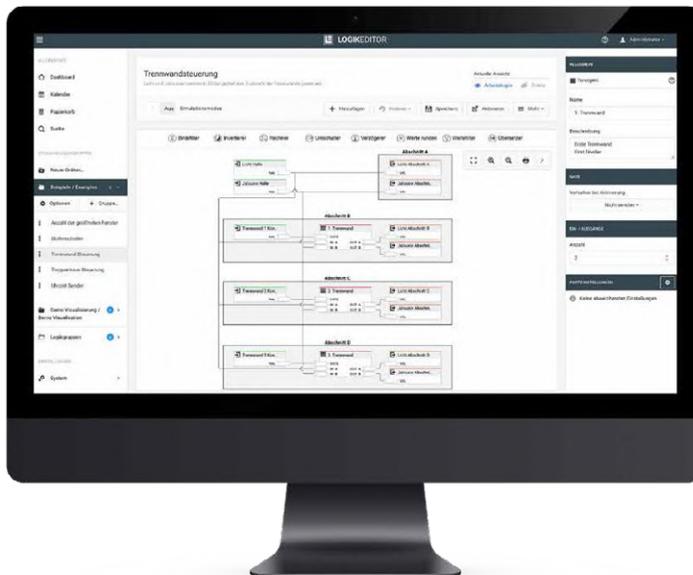


With the graphical **LOGIKEDITOR** you can easily create even complex applications. With the search and documentation functions, you always have an overview. Thanks to the possibility of loading and exporting logic groups, you can reuse functions once created in different projects, saving time and costs. The platform «[logikeditor.de](http://logikeditor.de)» provides many ready-made logic groups for immediate use. Simulate complex scenarios before transferring them to the live system and use the intelligent log to display and restore previous states. Of course we have developed the **LOGIKEDITOR** web-based - so you remain independent of operating systems and end devices.

### LOGIKEDITOR NETWORK INTEGRATION

**LOGIKEDITOR NETWORK:** the online collection with hundreds of sample logic groups is now directly available in **EIBPORT V3**. After logging in, the latest logic groups are displayed in the dashboard and are available for immediate import if desired. You can now learn more about a specific logic group with just one click. You can find the appropriate logic group within seconds using the integrated search function.

## AUTOMATE & INTEGRATE GRAPHICAL LOGIKEDITOR



These Logic Elements for **automation** are offered by graphical **LOGIKEDITOR**:

- Alexa Device
- Alexa Scene
- Astrotimer
- Binary Logic
- Data Converter
- Email Sender
- Static Value / Initial Value
- HTTP Request
- Calendar
- Camera Archive
- **New:** REST interface
- Lua Script
- Mathematics
- Collective Signal
- Threshold Value
- Statistics
- Scene
- Text Processor
- Logic Gate
- Transformator
- Staircase Timer
- Comparator
- Distributor
- Delayer
- Value Store
- Value Read
- Clock
- Weekly Timer
- Cyclic Sender

All Logic Elements can be graphically linked to each other.

With the help of so-called «tools», these connections can be modulated at lightning speed:

- Binary filter
- Inverter
- Calculator
- Toggle
- Round values
- Delayer
- Value Filter
- Translator

## AUTOMATE & INTEGRATE JOB EDITOR CLASSIC

The EIBPORT provides a whole range of directly available automation functions that can be easily edited via the form-based configuration mask.

These jobs for **automation** are offered by the Job Editor Classic:

- Astro Clock
- Date receiver & transmitter
- Time receiver & transmitter
- Text (EIS 15) Multiplexer
- Send Email
- Hysteresis
- Pulse counter (For KNX and SO)
- Integrator
- Week clock
- Year clock
- Light scene
- Logic (AND, OR, XOR, object, NAND, NOR, NXOR, NObject)
- Mathematics
- Room temperature controller
- Threshold value
- SMS sender
- SMS receiver (for devices with GSM module)
- Status indicator
- Staircase automat
- Comparator
- Delayer
- Wake-on-LAN
- Cyclic transmitter
- Counter

These jobs for **integration** are offered by the Job Editor Classic / System:

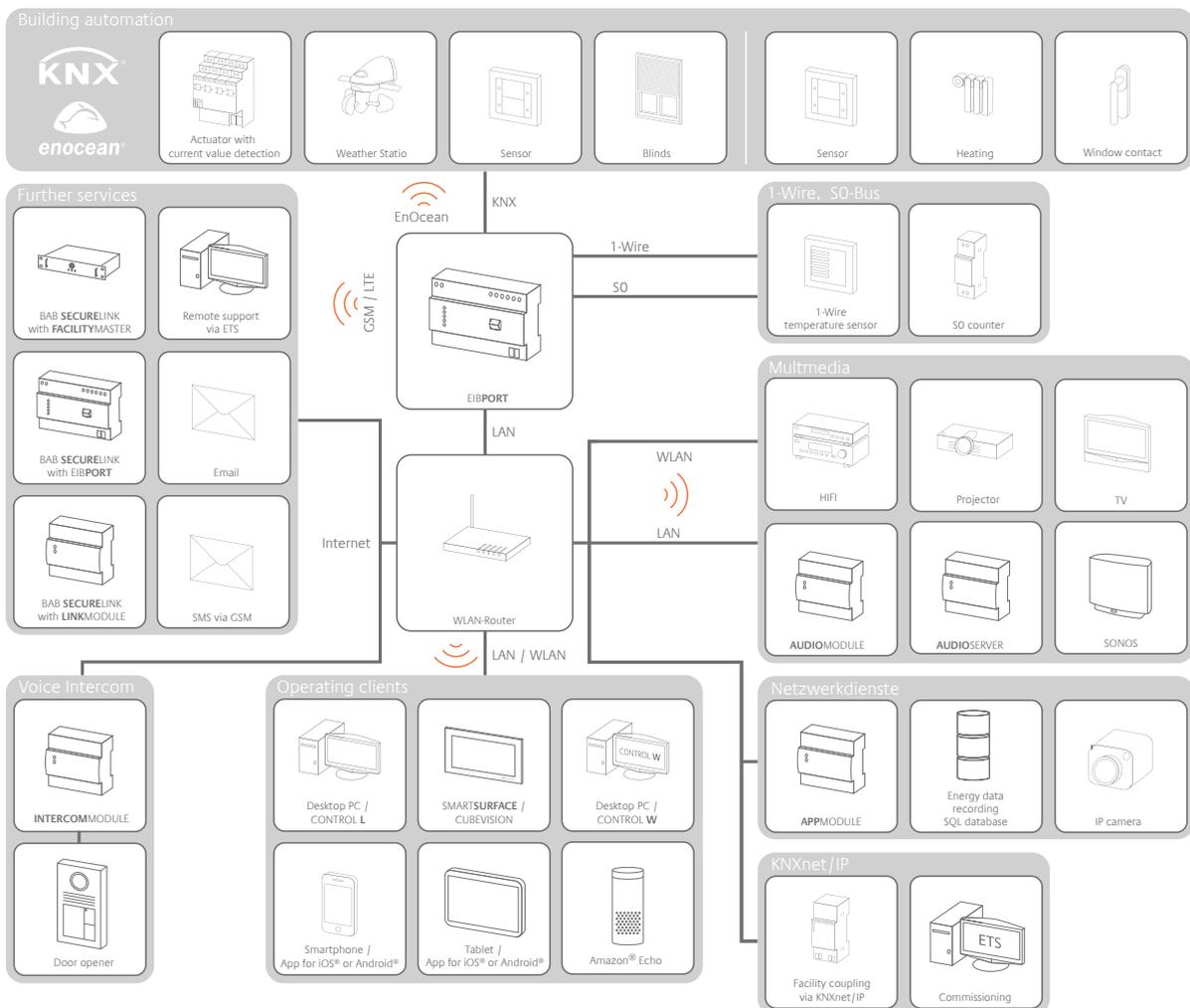
- 1-Wire (compatibility with many sensors)
- 4 x SO interface for direct meter connection
- Optional integration of EnOcean
- Option. GSM interface for control via SMS
- **New:** Optional LTE interface for using EIBPORT via mobile data
- Facility coupling to other devices such as **FACILITYMASTER** or **LINKMODULE**
- ekey integration of the Home & Multi product range
- Connection of infrared capable devices with the help of IR-Trans
- HTTP request with response evaluation
- KNX integration of **AUDIOMODULES**
- Integration of UDP-based applications with UDP sender & receiver
- Sonos Radio Control
- MySQL database logging possible (additional software for evaluation via freeware **DATAWAREHOUSE 2**)
- Integrated KNXnet/IP server for the coupling and interface functionality

# GATEWAYS EIBPORT V3

## INTEGRATE CONNECT SYSTEMS SEAMLESSLY

By using the EIBPORT, the KNX / EnOcean automation is extended many times over. The connection to the IP network enables numerous other applications. Additionally, the available connection options for 1-Wire and S0 products allow the integration of a variety of cost-effective components. Arbitrary operating units, such as smartphones, tablet PCs and even Amazon® Alexa, can access and control the system participants across systems. Network cameras from various manufacturers provide insight into what is happening on site. Multimedia systems can be flexibly integrated with the graphical **LOGIKEDITOR** or the **JOB EDITOR CLASSIC**. With the help of BAB **SECURELINK**, buildings can be securely linked via the Intranet or Internet and integrated into a central property management system. On request, an e-mail or SMS is sent in case of relevant events. **New:** The optionally available **LTE interface** enables uncomplicated WAN access via the mobile network. The **HOOC Plug & Play VPN** enables secure and completely uncomplicated remote access as well as remote programming via ETS.

### EIBPORT Functional Overview



By means of virtual group addresses (a definable KNX address range, which is only processed within the EIBPORT), services can be linked as desired.

## GUARANTEE SAFETY MEASURES AT A GLANCE

The EIBPORT offers a maximum of security. Current encryption technologies, secure access and recovery functions for the device are integrated as standard. An extensive user administration offers selective access for authorized users only.

- HTTPS access
- Encrypted user authentication
- Integrated VPN server
- BAB **SECURELINK**
- **New:** Recovery function
- **New:** Secure remote access and remote programming via ETS with the HOOC Plug & Play VPN

## TECHNICAL SPECIFICATIONS

- Power supply: 12–30 V DC
  - Power consumption: <= 5 VA
  - Operating System: Embedded Linux
  - X86 600 MHz CPU, 256 MB RAM, 8 GB Flash
  - Climate resistant: EN 50090-2-2
  - Ambient temperature: 0 to 40 °C
  - Relative humidity (non-condensing): 5% to 80%.
- Mechanical data:
- Mounting: MDRC 8 MW
  - Dimensions (W x H x D) in mm: 144 x 90 x 64.5
  - Housing: Plastic
  - Weight: approx. 0.4 kg
  - Protection class: IP20 (according to EN 60529)
- Interfaces (depending on variant):
- External additional memory with **SDMODULE** (SD card via USB)
  - KNX via Bus Terminal (Twisted Pair)
  - Ethernet via RJ45 socket
  - 1-Wire via USB
  - 4 SO interfaces
  - EnOcean via external SMA antenna
  - LTE via two external antennas
  - GSM™ via external SMA antenna

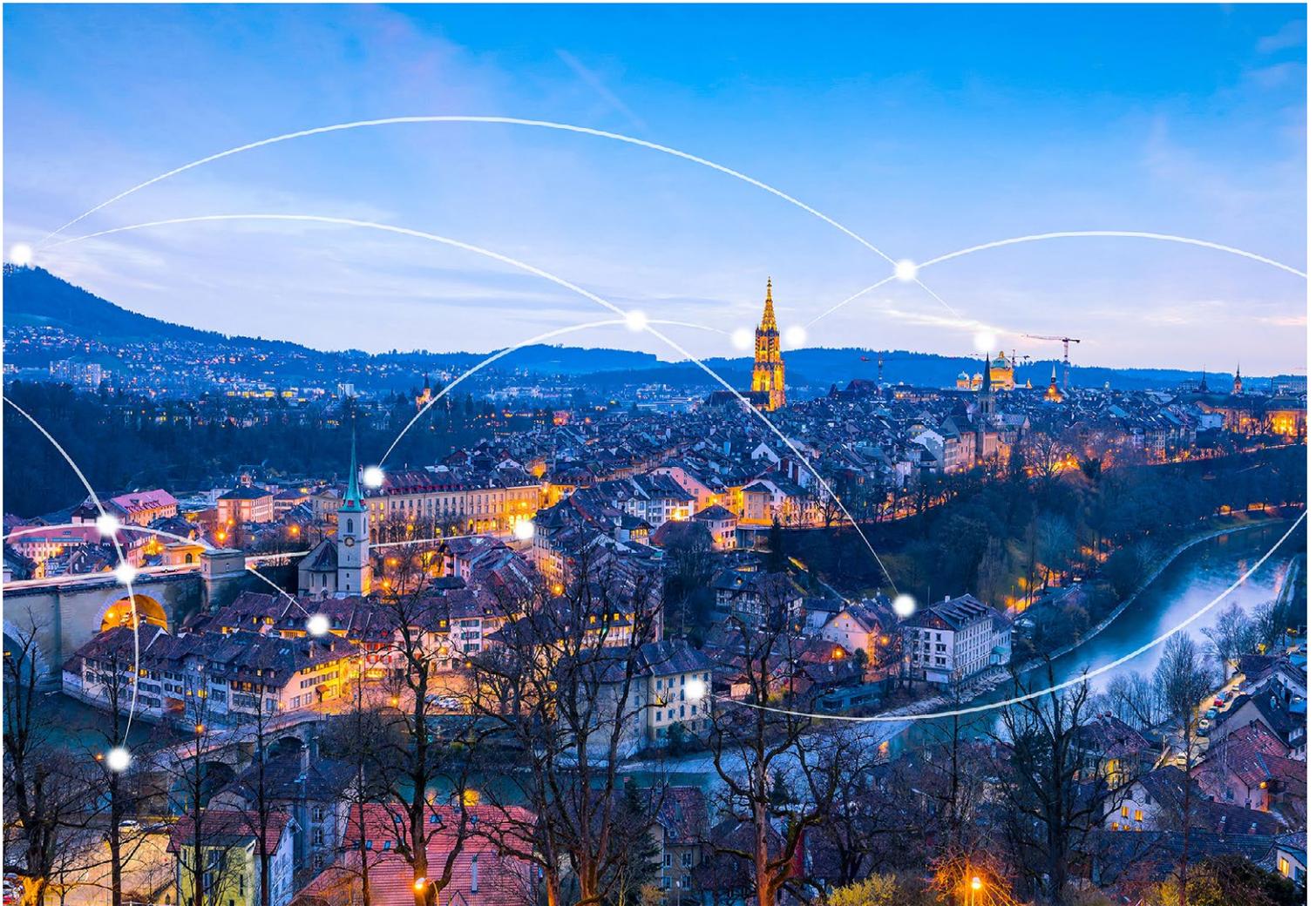


### TEST EIBPORT LIVE

Use our new virtual EIBPORT. Make yourself familiar with the **LOGIKEDITOR**, **CUBEVISION**, **CONTROL L**, as well as the visualisation editor and be fascinated by many other technologies.

Register now on [bab-tec.de](http://bab-tec.de)

# GATEWAYS Plug & Play VPN



## SECURE REMOTE ACCESS WITH HOOC **PLUG & PLAY VPN**

Switch on. Log in. Get started.

This is how easy remote access works with the **EIBPORT V3** and the **CUBEVISION-** or **APPMODULE**:

Thanks to the integrated VPN solution, it is no longer necessary to purchase and install expensive additional hardware. The HOOC CONNECT E Gateway integrated in our devices connects to the HOOC Cloud via an encrypted and secured VPN connection. It forms the heart of the VPN solution and, in addition to extensive user administration, offers many additional features, such as a KNX bus monitor or alarm messages with push function.



## All highlights at a glance:



Verified data security



Secure remote access



Secure remote programming



No router configuration



No additional hardware



256 bit AES encryption



Secure remote maintenance



IPv6-Ready



Test 30 days free of charge

## ALL HOOC HIGHLIGHTS AT A GLANCE

### NO TIME-CONSUMING ROUTER CONFIGURATION

**Ready in 10 minutes**

Complicated set-up steps such as port forwarding, certificate management and DynDNS services are a thing of the past. Simply connect your end device and the HOOC portal.

### KEINE ZUSÄTZLICHE HARDWARE NÖTIG

**VPN Gateway on Board**

The integrated HOOC CONNECT E gateway turns EIBPORT V3 and Co. into fully-fledged VPN solutions. This saves time, costs and space in the distribution board.

### VISUALISATION, REMOTE MAINTENANCE AND PROGRAMMING

**Ready for all tasks**

Worldwide access to Smart Home visualisations, remote maintenance or KNX programming via the ETS – with BAB TECHNOLOGIE and HOOC this is safe and uncomplicated.

# GATEWAYS CUBEVISIONMODULE



## CUBEVISIONMODULE OUR BEST SMARTHOME VISUALISATION

The **CUBEVISIONMODULE** offers a unique building visualisation and is very easy to set up and operate. The sophisticated user interface scales automatically on almost all display devices. In this way, smartphone, tablet and co. become the control centre for your intelligent home in no time at all. Configure CUBEVISION 2 very easily in the web browser: Import the KNX project, select background images and define functions. The complete visualisation is then created automatically.

With the «Smart Function Creator» you can create your own

scenes and Smart Home functions with Drag 'n' Drop within the user interface. The **CUBEVISIONMODULE** is available with direct KNX connection or as an EnOcean variant.

[Read all information about CUBEVISION 2 starting on page 52.](#)

# GATEWAYS CUBEVISIONMODULE



## TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption: <= 5 W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature: –5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %.

### Mechanical data:

- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces:

- Ethernet: RJ45 socket
- KNX: Twisted Pair via screw plug terminal block (= 1,5 mm<sup>2</sup>)
- EnOcean: external SMA antenna (incl. 2,5m magnetic base antenna)

### EnOcean specifications:

- Operating frequency: 868.3 Mhz
- Range: 300 m outdoors / 30m indoors (construction material dependent)
- Input objects: Any number
- Output objects: 128
- External antenna: 2.50 m cable, magnetic base and SMA plug

### Special features:

- Create your own scenes directly in the visualisation
- Long-term data recording
- Quick setup
- Automatic scaling on all devices

|                |                          |  |
|----------------|--------------------------|--|
| Art. no. 10561 | CUBEVISIONMODULE KNX     |  |
| Art. no. 13560 | CUBEVISIONMODULE EnOcean |  |





Also available as  
**RF version**



Included  
**KNX IP router functionality**



## TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption: ≤ 5 W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
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- EnOcean: external SMA antenna (incl. 2,5m magnetic base antenna)

### EnOcean specifications:

- Operating frequency: 868.3 Mhz
- Range: 300 m outdoors / 30m indoors (construction material dependent)
- Input objects: Any number
- Output objects: 128
- External antenna: 2.50 m cable, magnetic base and SMA plug

### Special features:

- Many different Smart Home Apps can be combined on one device
- SDK available for manufacturers and developers
- Continuously growing app portfolio at BAB APP MARKET ([bab-appmarket.de](http://bab-appmarket.de))
- EnOcean KNX Gateway functionality (13501 only)
- Easywave KNX Gateway functionality (13501 only)

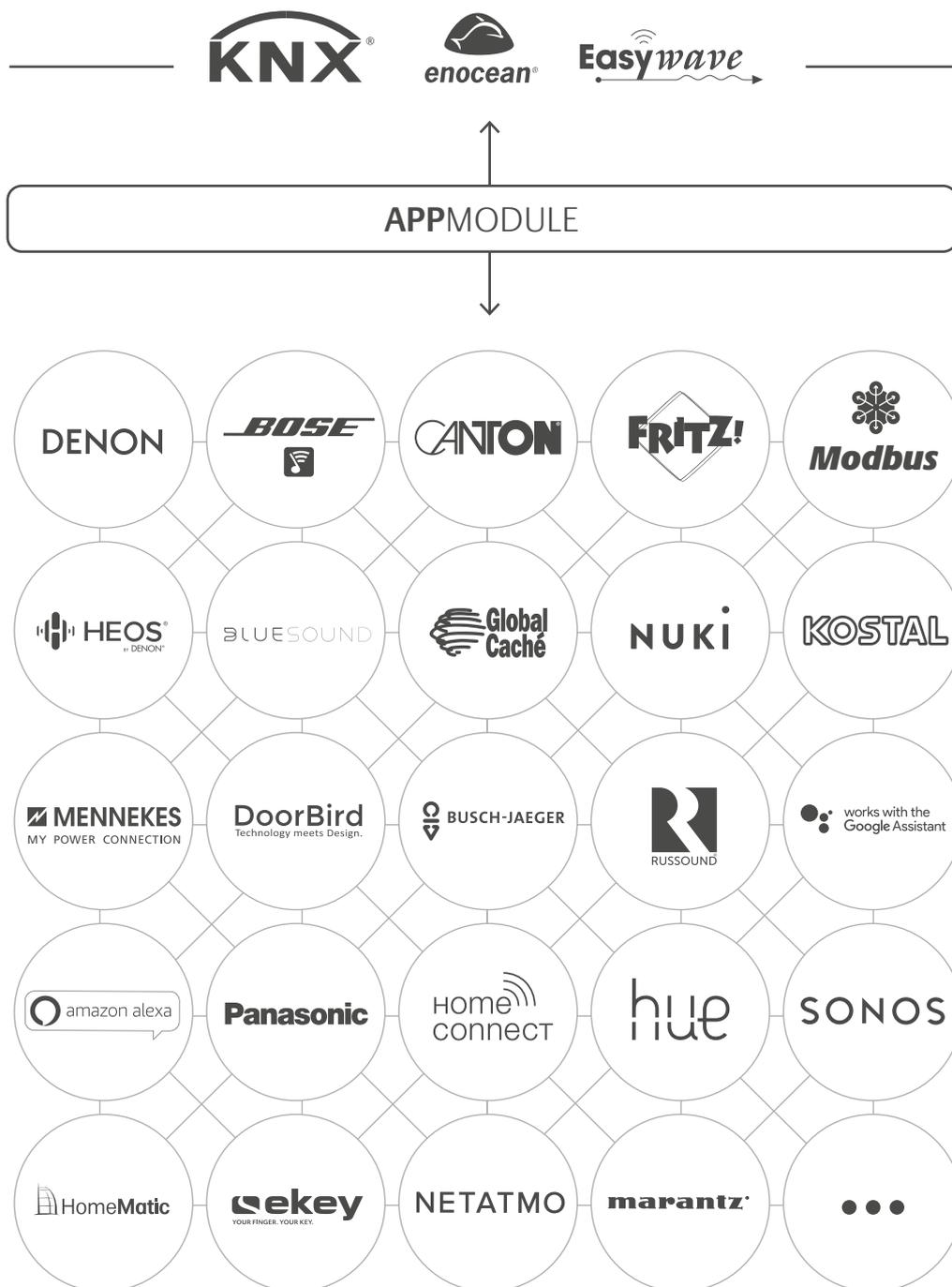
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|----------------|--------------------|--|
| Art. no. 10491 | APPMODULE IP       |  |
| Art. no. 10495 | APPMODULE KNX      |  |
| Art. no. 13501 | APPMODULE EnOcean  |  |
| Art. no. 14501 | APPMODULE Easywave |  |

# GATEWAYS APPMODULE

## SMARTER TOGETHER: A ONE STOP SOLUTION

Whether TV, multi-room system or LED lights - more and more everyday items are becoming «smart». However, these systems are often self-contained.

The APPMODULE brings them all under one roof, linking them with KNX, EnOcean, Easywave and each other.



All Smart Home Apps are independent products and have no legal connection to the named third-party manufacturers. Neither BAB APP MARKET GmbH, BAB TECHNOLOGIE GmbH nor the app developers are in possession of the above-mentioned trademarks.

## DISCOVER SURPRISING POSSIBILITIES: SMART HOME APPS



### Home Connect

Link Home Connect devices from Bosch, Siemens and Neff to the KNX and EnOcean world! Washing machine, refrigerator and stove become fully integrated participants of your smart home system in no time.



### iRoom KNX Connect

iRoom offers Apple® certified smart docking stations. With "iRoom KNX Connect", you can now easily link iRoom's stylish products with KNX and other IoT components.



### R-Connect

The IP switch actuators IP8 and IP4 from Rutenbeck can now be controlled with «R-Connect» using the attractive portfolio of KNX push-button sensors. This app including the APPMODULE is now also available directly from Rutenbeck.



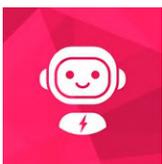
### free@home Control

Busch-free@home® is the smart, radio-based home control system from Busch-Jaeger and is ideal for both new construction and renovation and refurbishment projects. With the APPMODULE you can now also connect free@home with KNX.



### AGFEO Connect

The AGFEO IP-Video TFE 1 IP door phone has a digital bell label in which you can insert company logos, texts or pictures. Control the contents now with KNX.



### Energy Manager

This app uses artificial intelligence to optimise the use of PV energy. The Energy Manager distributes generated energy to storage and consumers. Thus, this app minimises both the feed-in and the purchase of energy from the public grid.



### Harmony Connect

The Logitech® Harmony Hub is compatible with more than 270,000 entertainment and smart home devices. You can now control the convenient «Harmony Actions» with KNX or EnOcean.



### Russound Connect

Russound® multi-room audio amplifiers are among the best the market has to offer. With the APPMODULE and this app you can now integrate products based on the RIO protocol into KNX systems.



### AMTRON Connect

The innovative Amtron wallboxes ensure e-mobility through intelligent charging management. Together with «Amtron Connect» and the APPMODULE, the e-car now becomes an integral part of your intelligent home.

## DISCOVER SURPRISING POSSIBILITIES: SMART HOME APPS



### **BAB Alexa**

With this app you can integrate the Alexa voice control system from Amazon into your Smart Home based on KNX, EnOcean and IP.

---



### **Bluesound Connect**

The «Bluesound Connect» App allows Bluesound music systems to easily be connected to the KNX system. This allows the control system to not only be fully integrated into the visualisation, but also allows easy combination with other services or simple control via KNX push-buttons.

---



### **KNX Connect for Panasonic TV**

Integrate Panasonic TVs into your smart home based on KNX, EnOcean and IP. Seamless connection with «Panasonic Connect» enables control with all Smart Home components and building visualisations.

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### **HUE:CONTROL**

This App connects your Philips® hue Bridge with KNX so that you have access to all connected Philips hue lights through the building automation. The simple authorisation process makes connection particularly easy.

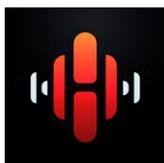
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### **FritzControl Complete**

Control your FRITZ!Box® router conveniently via available KNX or EnOcean clients and combine router commands with any scenarios. It is simple, for example, to active the Guest WIFI using a push button and monitor the call monitor in the visualisation.

---



### **HEOS Connect**

Connect your Denon® HEOS devices to the KNX or EnOcean world! You can enjoy the top-quality sound of Denon® in all rooms via WLAN and control the convenient functions via your existing visualisation system or any number of push-button sensors.

---



### **PLAY**

The «PLAY» App allows SONOS® music systems to easily be connected to the KNX system. As a result, not only can the controls be fully integrated into the visualisation, but it is also possible to combine it with other services or control it using simple KNX buttons.

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### **DoorBird Control**

With this app, you can easily integrate DoorBird door intercom systems into your KNX or EnOcean building automation system. DoorBird door stations are easy to install and can be used with the existing infrastructure.

---



### **IFTTT Connect**

With this app for the APPMODULE you connect over 600 IoT and web services with KNX or EnOcean. For example, transfer KNX counter readings to Google Tables or link your current geographical location to KNX scenes.

---



## PLink

You can use this App to control PLink-supported devices – for example from Sony®, Sharp® or Hitachi® via KNX. Alongside the usual control commands, the range of functions also includes reporting regarding troubleshooting.

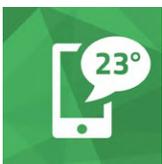
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## Speech

With «Speech» you create speech files in different languages and with different speaker voices. The audio files are automatically stored in the APPMODULE and can be transferred to other apps or streamed to the network.

---



## PushIT

Stay up to date! «PushIT» brings the push notification service to building automation. With the help of technology from PushBullet, it is thus possible to transmit images or text messages almost instantaneously.

---



## KEBA® KNX Connect

KEBA® charging stations stand for simple and safe charging of electric vehicles. With «KEBA KNX Connect», the intelligent wallboxes KeContact P30 of the C series and X series can be integrated into the Smart Home in no time at all.

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## Sequencer

With «Sequencer» you can create individual Smart Home scenarios. Start your cinema ambience, including lighting and shading control, or switch off KNX and IoT components when you leave the house by pressing a button. More comfort is not possible.

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## Homematic Control

Whether KNX or EnOcean: With «Homematic Control», you can connect HomeMatic® components such as motion detectors, window contacts, smoke detectors or radiator thermostats to your building automation in no time at all.

---



## Soundtouch

Connect your Bose® SoundTouch™ devices to KNX and EnOcean! Via WLAN you can enjoy the top sound of Bose® in all rooms and control the convenient functions via your existing visualisation or any push-button.

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## TransRED

TransRED connects all infrared capable devices with the building system technology by means of the IR-Trans LAN gateways. Thus you can integrate almost the entire range of current consumer electronics into the building automation.

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## Weather

WEATHER connects your building control system in an intelligent way with data from OpenWeatherMap (openweathermap.org). The data enables you to integrate the predicted weather into various applications.

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# GATEWAYS APPMODULE

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## DISCOVER SURPRISING POSSIBILITIES: SMART HOME APPS



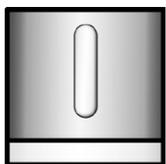
### NUKI Control

Connect your Nuki Smart Lock with the KNX and EnOcean world and control the comfortable functions additionally with all KNX or EnOcean components or via your existing visualisation!



### MODBUS TCP Connect

With this app you connect an existing Modbus gateway via TCP with the building automation.



### Netweather

With this app you can connect Netatmo® devices to your building automation in no time at all. Sensors and weather stations thus become a fully integrated part of your building automation.



### DE:CONTROL

With DE:CONTROL you can easily integrate your DENON® receivers with network interface into a KNX or EnOcean system. The entire range of control commands is available for operation e.g. from building visualisation or via push-button sensors.



### ASCII Tool

This app enables bidirectional TCP/IP ASCII. Create a protocol of 50 freely definable commands and responses each including a uniform EOL marker.



### Busch-Radio iNet (by Busch-Jaeger®)

With this app you can integrate the «Busch-Radio iNet» into your KNX or EnOcean building automation.



### MAIL

With this Smart Home App, you can send e-mails from your KNX system to any recipient. For example, send the meter reading of your KNX Smart Meter once a month or be informed as soon as a presence detector reports a movement.



### P-Charge

With the P-Charge App you get an extensive integration of the EV Charge Control Basic from PHOENIX CONTACT (EM-CP-PP-ETH) functions into the building automation. In this way you always have the charge status of your electric vehicle in view.



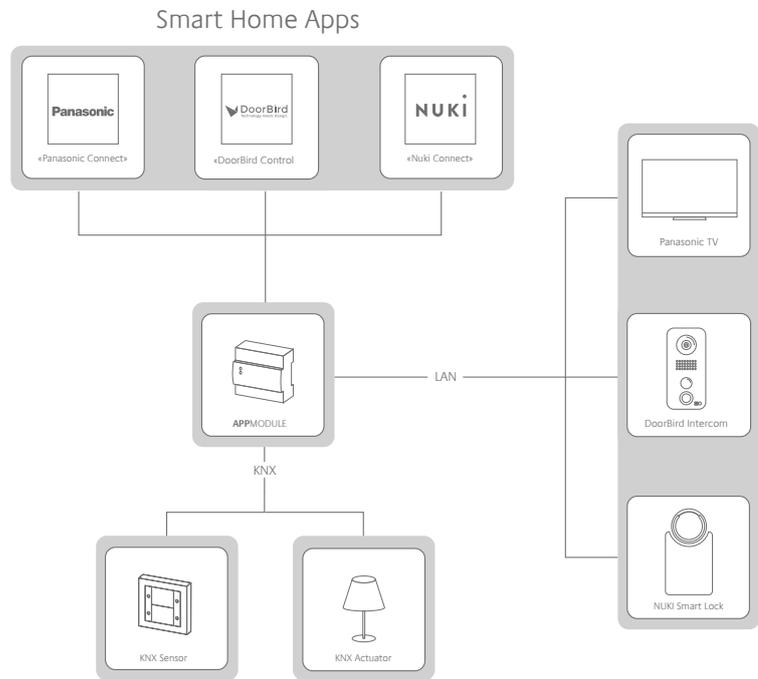
### PRESENCE

«Presence» is an intelligent presence simulation. The app records the desired switching operations while you are at home. In your absence, the recorded data is played back - creating a particularly realistic simulation.

## APPMODULE

### KNX

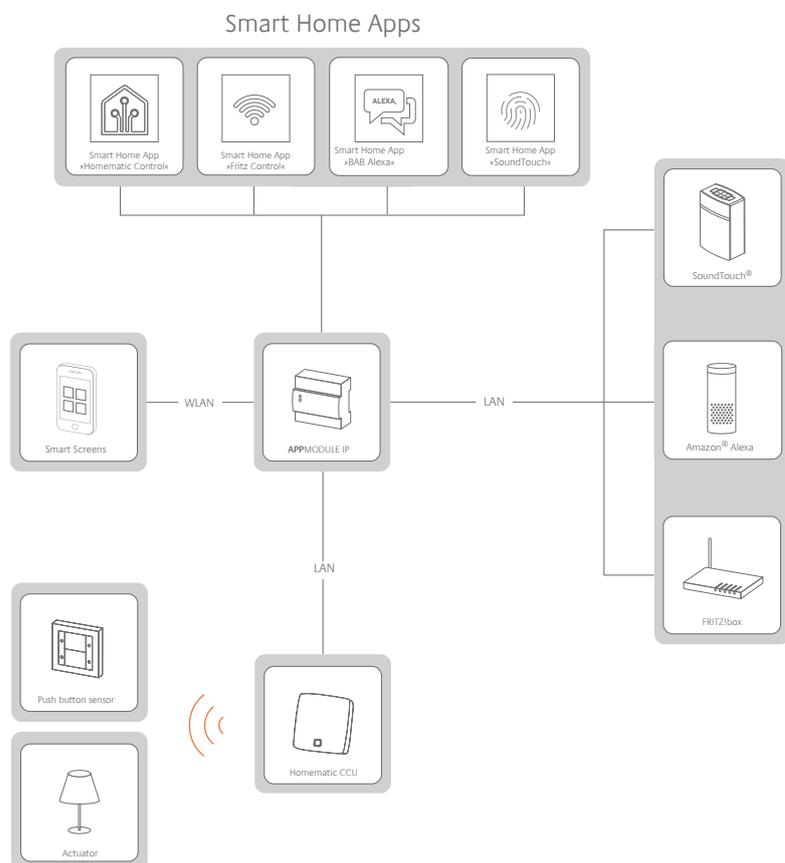
Cross-device and cross-protocol control: The functions of the TV, the DoorBird door station and the NUKI Smart Lock can be controlled via KNX sensors or actuators. Thanks to bidirectional communication, it is also possible to control KNX components via IoT. The **APPMODULE** connects the respective protocols and makes the devices compatible with each other. For example, it is possible to display a text message on the TV when the doorbell rings or to switch on the light and unlock the Smart Lock with the Panasonic TV remote control.



## APPMODULE

### IP

The **APPMODULE IP** works as a stand-alone device with the Smart Screens and triggers the linked functions of the respective Smart Home App. Alternatively it can communicate with the Homematic CCU 3. Linked Homematic devices can also be controlled - for example by voice input.



# GATEWAYS DUODMX GATEWAY



## GATEWAY BETWEEN KNX AND DMX

The DUODMX GATEWAY is an interface between KNX or EnOcean and the DMX world – easy to configure and flexible in use. Two configurable DMX outputs, each with 512 channels, allow independent control of two DMX worlds. With the bi-directional SR versions you can control DMX with KNX and vice versa. Various device variants and the WLAN option allow the use in almost every scenario. Easily link channels and scenes to KNX addresses using Drag 'n' Drop. The professional DMX-configuration software «DMX-Configurator» makes it possible.

The DUODMX GATEWAY is available as a REG housing for installation in the sub-distribution and as a ceiling-mounted housing. This makes the DUODMX GATEWAY ideally suited for retrofitting.



COMFORTABLE. QUICK. INTUITIVE.  
Discover our latest free app for controlling  
all of our DUODMX GATEWAY variants.



# GATEWAYS DUODMX GATEWAY



Also available as  
**RF version**



## TECHNICAL SPECIFICATIONS

- Operating voltage: 12-32 V DC
- Power consumption: <= 1.2 VA
- Climate-resistant: EN 50090-2-2, class 3K5
- Ambient temperature: -10 to +60 °C
- Relative humidity (non-condensing): < 95 % r. h.

### Mechanical data:

- Mounting: ceiling mounting or via top hat rail adapter EN 60175 - 35 x 7.5
- Dimensions (W x H x D) in mm:  
without fixing straps: 50 x 26 x 116  
with fixing straps: 50 x 26 x 146
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces (depending on variant):

- Power supply: Power over Ethernet (PoE) or via screw plug-in terminal
- 2x DMX: One screw terminal 6 pole (1.5 mm<sup>2</sup>)
- EnOcean: external SMA antenna
- Ethernet: RJ45 connection

- WLAN: 802.11 b (compatible with b/g/n) (Available for the variants 12011w, 12041w and 12111w)  
Encryption standards: WPA 2, WEP
- 2 x DMX: 2 plug-in screw terminals (1.5 mm<sup>2</sup>)
- Potential-free input: screw plug-in terminal

### Special features:

- Direct control over the local network via free APP (for iOS® and Android®)
- Applicable as DMX MASTER and/or DMX SLAVE (1211, 12111w, 12121)
- Soft On/Off for DMX channels 1-128
- Programming: SD card/network
- Configuration: «DMX-Configurator» (professional DMX software included)
- DMX: 2 x 512 channels
- External antenna: 2.50 m cable, magnetic base and SMA connector (WLAN and EnOcean).

### System requirements (DMX-Configurator):

- Operating System: Current Windows® desktop systems
- Communication: Network interface or SD card and SD card adapter

# GATEWAYS DUODMX GATEWAY

## TECHNICAL SPECIFICATIONS REG

New product variant

- Operating voltage: 12-30 V DC
- Power consumption:  $\leq 1.2$  VA
- Connection: Power supply via screw plug terminal
- Climate-resistant: EN 50090-2-2, class 3K5
- Ambient temperature: -5 to +45 °C
- Relative humidity (non-condensing):  $< 95$  % r. h.

### Mechanical data:

- Mounting: rail-mounted device housing 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces:

- KNX: Twisted pair via screw plug terminal (1.5 mm<sup>2</sup>)
- Ethernet: RJ45 connection
- 2x DMX 512: 2x screw terminals 3 pole (1.5 mm<sup>2</sup>)

### Special features:

- Programming: SD card/network
- Configuration: «DMX-Configurator»
- DMX: 2 x 512 channels
- SD card accessible from the front



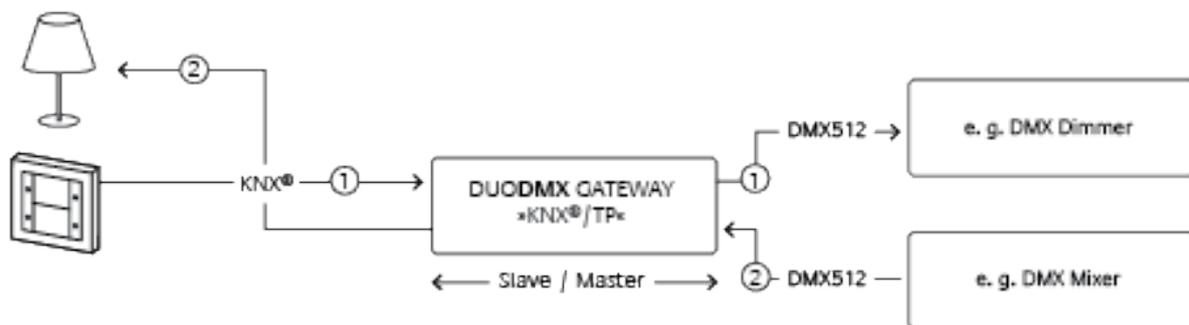
# EXAMPLES DUODMX GATEWAY

## DUODMX GATEWAY KNX – TYPE 12021



The DUODMX GATEWAY 12021 is connected to the KNX bus via twisted pair. It thus receives its control commands directly via the KNX bus and forwards DMX packages to the DMX dimmers.

## DUODMX GATEWAY KNX SR – TYPE 12521



- ① The DUODMX GATEWAY 12521 REG KNX SR is connected to the KNX bus and receives its control commands via the KNX bus.
- ② The DMX packages for the DMX dimmers are then triggered.
- ③ The DMX mixing console (DMX master) is connected to the DUODMX GATEWAY (DMX slave).
- ④ The DMX packages are converted into KNX telegrams and sent to the KNX participants.

|                 |                                |  |
|-----------------|--------------------------------|--|
| Art. no. 12521  | DUODMX GATEWAY REG KNX SR      |  |
| Art. no. 12011  | DUODMX GATEWAY IP              |  |
| Art. no. 12011w | DUODMX GATEWAY IP WLAN         |  |
| Art. no. 12021  | DUODMX GATEWAY KNX             |  |
| Art. no. 12031  | DUODMX GATEWAY EnOcean         |  |
| Art. no. 12041  | DUODMX GATEWAY Standalone      |  |
| Art. no. 12041w | DUODMX GATEWAY Standalone WLAN |  |
| Art. no. 12111  | DUODMX GATEWAY IP SR           |  |
| Art. no. 12111w | DUODMX GATEWAY IP SR WLAN      |  |
| Art. no. 12121  | DUODMX GATEWAY KNX SR          |  |
| Art. no. 12090  | Rail Mounting Adaptor          |  |





Included  
KNX IP router  
functionality



## AUDIOMODULE KNX MULTIROOM WITHOUT DETOURS

The **AUDIOMODULE** is a high-quality Sound Server with a digital sound processor (DSP), which is available with either line-out or speaker-out. Whether as audio client or server: Use the **AUDIOMODULE** in a very flexible way. The direct KNX connection allows you to connect it to KNX systems without any detours. Multi-room audio control with on-site operation via KNX sensors or via a central building visualisation system is child's play with this module, which is only four units in size. Theft- and tamper-proof installed in the installation distributor, it is perfectly suited for use in commercial properties such as hotels, as well as in areas accessible to the public. With or without KNX integration: the **AUDIOMODULE** is also suitable as a stand-alone Sound Server even for objects with only one

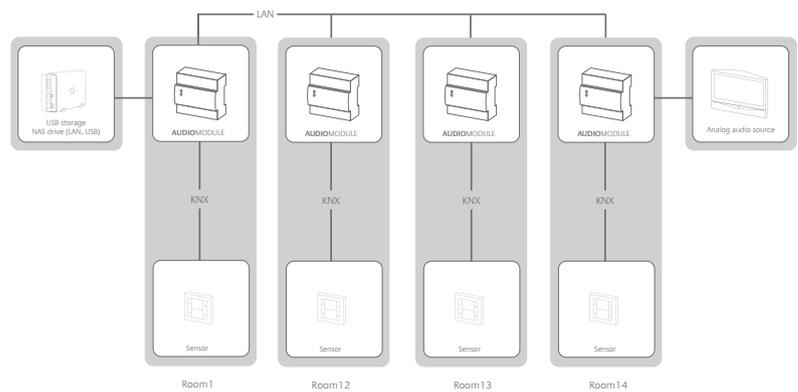
music zone. Easily connect external audio sources such as CD players or TVs via the analogue input with automatic source switching. **AUDIOMODULES** can be integrated into the CUBEVISION with just one click (one-click-configuration). Completed by selectable DSP profiles and four available device variants, the **AUDIOMODULE** becomes our best KNX multiroom solution for the distribution board.

# EXAMPLES **AUDIOMODULE**

## **AUDIOMODULE**

### AS A SERVER

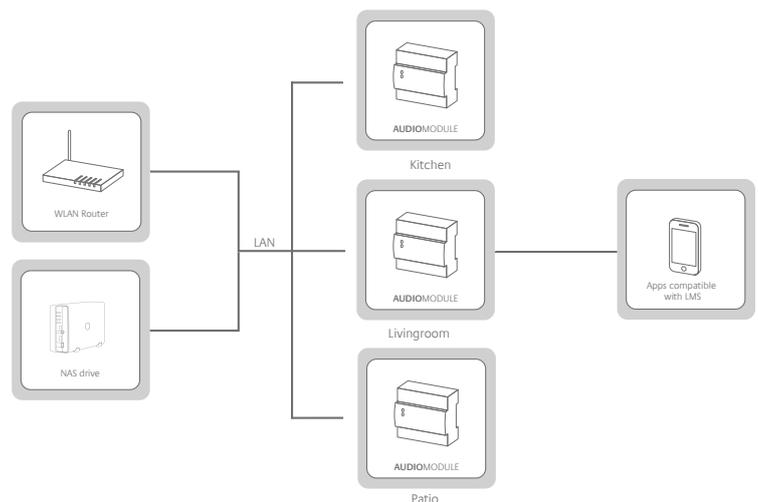
The **AUDIOMODULE**s do each work as a client and connect to the central **AUDIOMODULE** (room 1), which also functions as a server. This transfers the music – for example from a USB stick or a NAS drive – over the network to the remaining **AUDIOMODULE**s. The **AUDIOMODULE** is controlled either via KNX sensors, KNX touch displays or a central building visualisation. In addition, users can easily connect their own audio sources (room 14) via the local audio input, with a 3.5 mm jack. This structure offers an individual musical experience in every single room.



## **AUDIOMODULE**

### STAND ALONE

The **AUDIOMODULE**s are each supplied with music from their internal Logitech® Media Server (LMS) and work independently. Audio data is transferred from a locally attached storage medium or NAS drive to the network. Via an LMS compatible App, any smartphone or tablet controls the music playback.



## TECHNICAL SPECIFICATIONS

### AUDIOMODULE Speaker

- Power supply: 24 V DC / 3 A
- Power consumption: max. 72 W
- Connection: screw plug-in terminal
- Climate-resistant: EN 50090-2-2
- Ambient temperature: -5 to +35 °C
- Relative humidity (non-condensing): 5 % to 80 %

#### Mechanical data:

- Mounting: REG housing 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

#### Interfaces:

- KNX: TP via screw plug-in terminal (for Art. no. 10516)
- Ethernet via RJ45 socket
- Audio Line-In: 1 Vrms at 10 kΩ Jack socket
- Speaker connection: 2 x 20 W RMS at 4 Ω  
Screw plug-in terminal up to 3.6 mm<sup>2</sup>
- USB 2.0: 4 x USB stick up to 8 GB each (audio data)

#### Special features:

- High quality digital sound processor (28/56 bit)
- 24 bit D/A converter
- DSP (Audio) profiles selectable
- Efficient Class-D amplifier
- Can be used both as a streaming client or server
- Connecting the **AUDIOMODULE** to the **EIBPORT** including dynamic cover display and playlists using our pre-installed xPL package (xPL Hub and ExPL Plugin)
- Automatic and manual switching to Audio Line-In parameterizable
- **AUDIOMODULEs** can be integrated into the CUBEVISION with just one click (one-click-configuration)

### AUDIOMODULE Line

- Operating voltage: 12-32 V DC
- Typical power consumption 350 mA at 12 V DC
- Power consumption: ≤ 5 W
- Connection: screw plug-in terminal
- Climate-resistant: EN 50090-2-2
- Ambient temperature: -5 to +35 °C
- Relative humidity (non-condensing): 5 % to 80 %

#### Mechanical data:

- Mounting: REG housing 4 TE
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

#### Interfaces:

- KNX: TP via screw plug-in terminal (for Art. no. 10526)
- Ethernet via RJ45 socket
- Audio Line-In: 1Vrms at 10 kΩ jack socket
- Audio Line-Out: 1Vrms at 10 kΩ jack socket
- USB 2.0: 4 x USB stick up to 8 GB each (audio data)

#### Special features:

- High quality digital sound processor (28/56 bit)
- 24 bit D/A converter
- DSP (Audio) profiles selectable
- Can be used both as a streaming client or server
- Connecting the **AUDIOMODULE** to the **EIBPORT** including dynamic cover display and playlists using our pre-installed xPL package (xPL Hub and ExPL Plugin)
- Automatic and manual switching to Audio Line-In parameterizable
- **AUDIOMODULEs** can be integrated into the CUBEVISION with just one click (one-click-configuration)

|                |                                |  |
|----------------|--------------------------------|--|
| Art. no. 10516 | <b>AUDIOMODULE KNX Speaker</b> |  |
| Art. no. 10526 | <b>AUDIOMODULE KNX Line</b>    |  |
| Art. no. 10540 | <b>AUDIOAMP</b>                |  |

13:24



Lift Me Up ...





## AUDIOAMP POWER UP

The **AUDIOAMP** is a high efficient audio amplifier with 2 x 50 Watt output power. As a rail-mounted device (MDRC), this Class D amplifier with an additionally integrated digital sound processor (DSP) is the ideal complement to our Sound Server.

With a 3.5 mm jack socket, the **AUDIOAMP** offers a flexible and easy to handle input. For even more power, simply connect additional amplifiers via the line-out.

## TECHNICAL SPECIFICATIONS

- Power supply: 24 V DC
- Power consumption: 120 W / 5 A (recommended power supply)
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature: 0 to +35 °C
- Relative humidity (non-condensing): 5% to 80%

### Mechanical data:

- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces:

- Input via 3.5 mm stereo jack (1 V<sub>eff</sub> at 10 kΩ)
- Output via 3.5 mm stereo jack (1 V<sub>eff</sub> at 10 kΩ)

- Speaker connection: 2 x 50 W RMS at 4Ω
- Screw-type plug-in terminal up to 3.6 mm<sup>2</sup>
- Potential-free inputs for volume / mute control

### Special features:

- High quality 28/56 bit DSP
- 192 kHz Sample Rate
- 24 Bit AD / DA converter
- DSP profiles replaceable
- Class-D amplifier
- input limiter
- Protection against overtemperature
- Overload protection
- Status LEDs
- Volume preset via buttons on front of the housing
- Automatic standby switchover
- No software requirements



## FACILITYMASTER NEW DIMENSIONS.

The **FACILITYMASTER** combines **EIBPORT V3**, **DATALOGGER V2**, **APPMODULE**, **KNXCONVERTER** and **AUDIOSERVER** in one device. This guarantees a unique scope of services, ideal for the extensive requirements of larger projects. In addition, the professional server hardware offers outstanding performance. The combination of **EIBPORT** and **APPMODULE** enables a versatile integration of third-party applications.

While the **EIBPORT** provides visualisation and automation functions, the **APPMODULE** contributes the extensive application library from the **BAB APP MARKET** ([www.bab-appmarket.de](http://www.bab-appmarket.de)). For a property connection and management with small configuration effort, the **FACILITYMASTER** is provided with the **BAB SECURELINK** protocol and (on request) the **ADVANCED CENTRAL VIEW**. **BAB SECURELINK** is also implemented in **EIBPORT** and **LINKMODULE** and thus enables an

encrypted system coupling across network domains. This way, the individual properties are easily connected via the Internet or Intranet. With the help of the integrated **DATALOGGER**, the **FACILITYMASTER** offers professional data recording. It records up to 36 million data records in an internal SQL database and, if desired, regularly sends a CSV file by e-mail. To round off the portfolio, **KNXCONVERTER** and **AUDIOSERVER** are also integrated. With the help of the **KNXCONVERTER**, for example, non-KNX-capable installations can be integrated via a simple ASCII protocol, while the **AUDIOSERVER** is used for multi-room installations with the **AUDIOMODULE**.

## TECHNICAL SPECIFICATIONS

- Operating voltage: 230 V AC
- Processor: Intel® Core™ i3-8100 Processor (8 Gen.)
- Memory: 8 GB 2400 MHz DDR4
- HDD: 2 x 500 GB SATA3, RAID 1

### Mechanical data:

- Mounting: 19 inch rack 2 HE
- Front panel: 3 mm anodised aluminium
- Chassis: hot-dip galvanised sheet steel, RAL 9006 white aluminium

### Interfaces:

- KNX via KNXnet/IP
- LAN: 2 x Gigabit Ethernet
- Serial: COM 1

### Special features:

- **BAB SECURELINK**
- **CONTROL R** integrated
- **CONTROL W** included in delivery

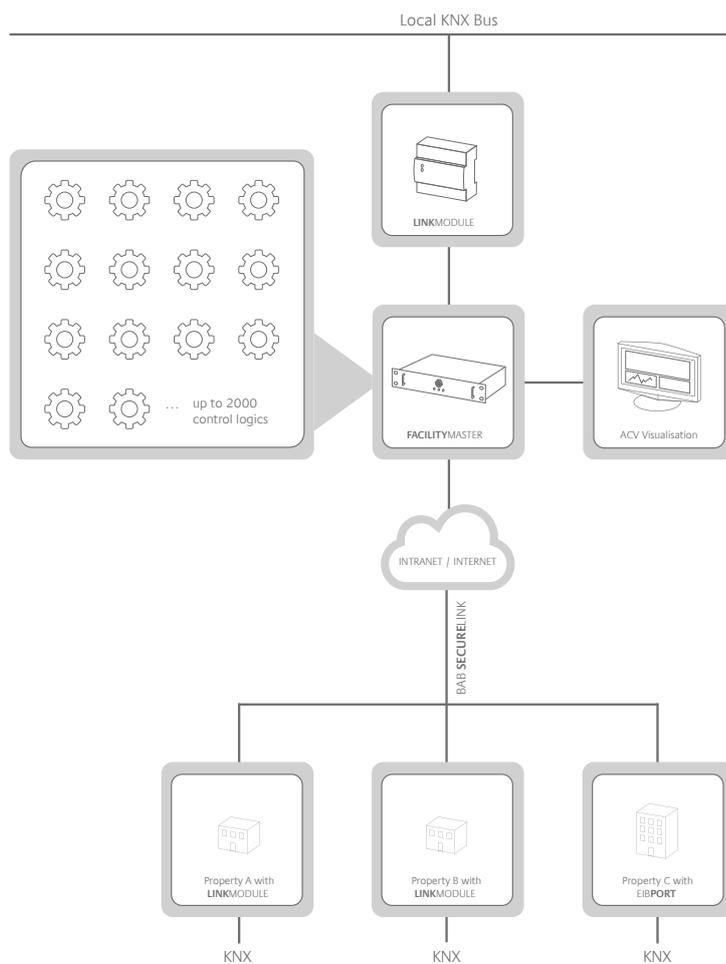
### Operating system:

- Linux® OS

## FACILITYMASTER

### FACILITY MANAGEMENT

The **FACILITYMASTER** is installed as a central manager in the company headquarters. The various properties located on the Internet or intranet are connected to each other via BAB **SECURELINK**. It does not matter whether it is a location with **LINKMODULE** without its own intelligence or a location with its own visualisation on an **EIBPORT**. Since **LINKMODULE** and **EIBPORT** are also available with an EnOcean interface, it is possible to connect system components with EnOcean radio. The information are combined in the central **FACILITYMASTER** and, thanks to **ADVANCED CENTRAL VIEW** (available on request), can also be combined into a central control system in just a few steps.



# GATEWAYS LINKMODULE



Also available as  
**RF version**



Included  
**KNX IP router  
functionality**



## LINKMODULE SECURELY WELL CONNECTED.

With the **LINKMODULE** you connect remote KNX or EnOcean systems via a network or the Internet. Simple and safe. BAB **SECURELINK** (a special VPN connection) is used for transmission between the communication partners and serves as the basis for system coupling. A **SECURELINK** connection can be established in a few steps. The complex configuration of VPN parameters is a thing of the past. Via BAB **SECURELINK** you not only connect other **LINKMODULEs**, but also **EIBPORT**

and **FACILITYMASTER**. The integrated address mapping provides a simple remedy in case of address overlaps. The **LINKMODULE** is available with KNX/TP interface or EnOcean radio antenna. In conjunction with the integrated KNXnet/IP server, the device also serves as a KNXnet/IP router, an interface for the KNX commissioning software ETS, or gateway between EnOcean and KNXnet/IP.

## TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption: ≤ 5 W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature: –5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %.

### Mechanical data:

- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces (depending on variant):

- Ethernet: RJ45 socket

- KNX: Twisted Pair via screw plug terminal block
- EnOcean: SMA plug (incl. 2,5 m magnetic base antenna)

### EnOcean specifications:

- Operating frequency: 868.3 Mhz
- Range: 300m outdoors / 30m indoors
- (construction material dependent)
- Input objects: Any number
- Output objects: 128
- External antenna: 2.50 m cable, magnetic base and SMA connector

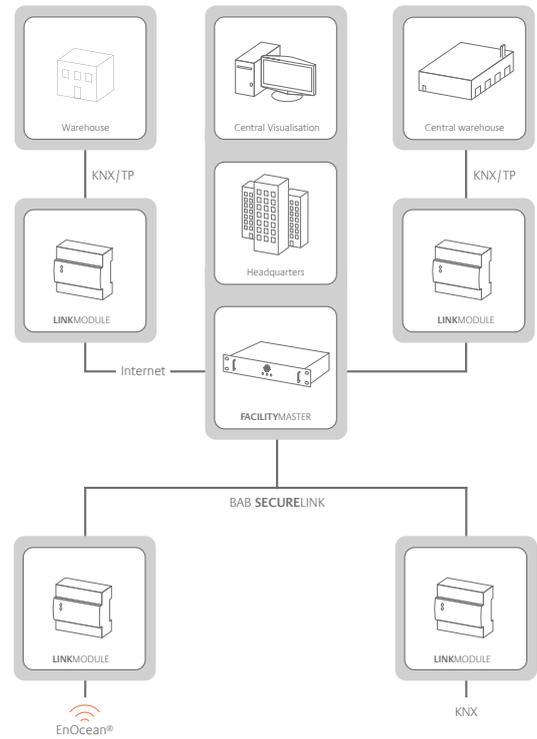
### Special features:

- BAB **SECURELINK**
- BAB facility coupling with address mapping

## LINKMODULE

### FACILITY COUPLING WITH FACILITYMASTER

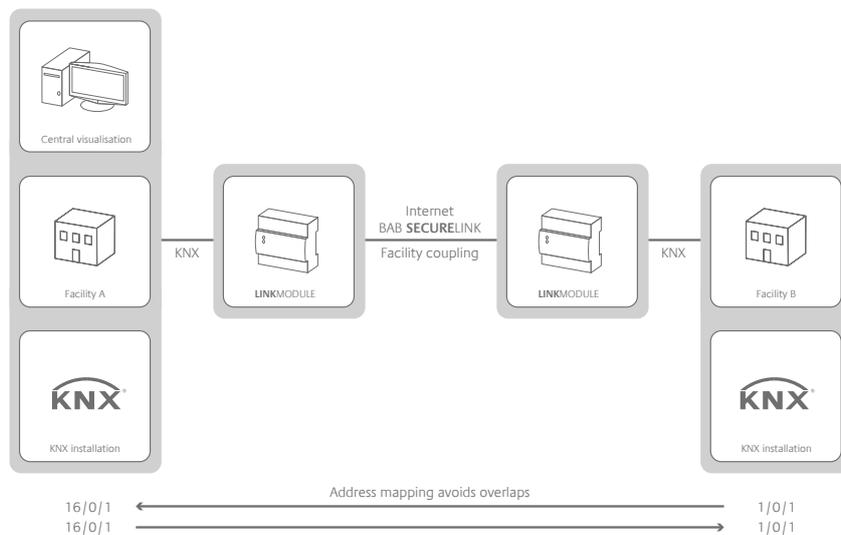
The **FACILITYMASTER** with a central visualisation is installed in the administration centre. The properties that do not require their own intelligence are simply linked to the headquarters via the Internet with the help of the **LINKMODULE** and **BAB SECURELINK**. Thanks to encryption, the data can be transmitted over a public network without hesitation.



## LINKMODULE

### FACILITY COUPLING

A remote system with a potential address overlap (e.g. both systems have the group address 1/0/1) has to be connected to a larger system via the Internet: Thanks to the integrated address mapping function, the plant is connected without any overlaps using simple rules.



|                |                    |  |
|----------------|--------------------|--|
| Art. no. 10551 | LINKMODULE KNX     |  |
| Art. no. 13551 | LINKMODULE EnOcean |  |

# GATEWAYS DATALOGGER V2

Included  
KNX IP router  
functionality



## DATA LOGGER V2 ANALYSE. CONTROL. OPTIMISE.

The **DATA LOGGER V2** is a powerful DIN rail device for recording KNX telegram data based on MySQL in real time. It receives the data either via KNX/TP or KNXnet/IP. Configuration is done via a user-friendly web interface. Thanks to its integrated KNXnet/IP server, the **DATA LOGGER V2** fulfils three functions at once: It offers IP router functionality for KNX, records telegram traffic and, if desired, monitors IP and KNX devices. The **DATA LOGGER** records all data in an internal, or

in case of larger data volumes, in an external MySQL database. The ETS5 project information is used to structure the database automatically. The individually adaptable export takes place in a definable cycle automatically via e-mail, to the connected **SDMODULE** or manually via the network. By exporting as CSV or XLS files, the data can be used directly and in various ways.

## TECHNICAL SPECIFICATIONS

- Operating voltage: 12-32V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption: <= 5 W
- Connection: Power supply via screw plug terminal
- Climate-resistant: EN 50090-2-2
- Ambient temperature: -5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %

### Mechanical data:

- Mounting: REG housing 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces:

- KNX via screw plug terminal (twisted pair)
- Ethernet via RJ45 socket
- USB for exporting internal data

### Special features:

- 8 GB eMMC memory with Wear-Leveling MLC industr. memory
- Recording of up to 18 million telegrams
- KNX telegram statistics
- Direct (user defined) export via the web interface
- Scheduled data transmission via e-mail or USB export to e.g. SD card via **SDMODULE**
- Information about database and statistics in the Web interface available
- Monitoring of KNX physical addresses as well as group addresses possible

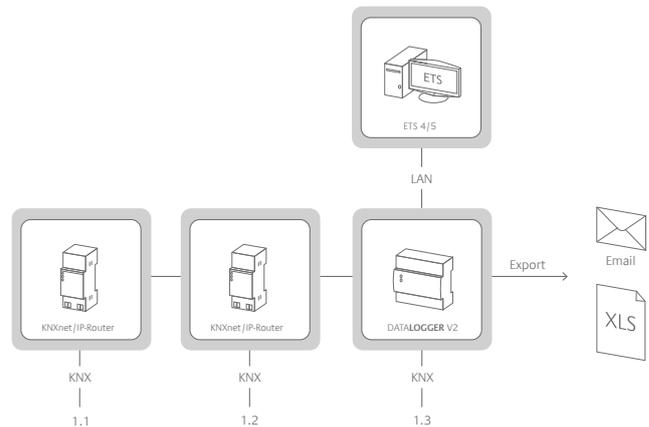
Art. no. 10411

DATA LOGGER V2 KNX

## DATALOGGER V2

### AS AN IP-ROUTER

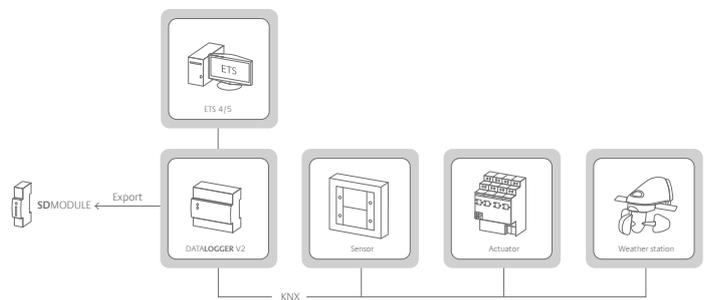
Equipped with a KNXnet/IP server, the **DATALOGGER V2** also offers IP router functionality. It collects data via KNXnet/IP routing and from its own KNX line. The desired data is automatically exported in XLS or CSV format once a day, week or month by e-mail. Thanks to KNXnet/IP tunneling, the **DATALOGGER V2** is also the programming interface for the ETS.



## DATALOGGER V2

### AS A KNX/TP DEVICE

Connected to the twisted pair bus, the **DATALOGGER V2** records all desired KNX telegrams and stores them in its internal MySQL database. The data is exported to the **SDMODULE** in CSV or XLS format. No access to the web interface is necessary for the export. The data export takes place automatically in the preset cycle. The written data carrier can be removed for evaluation and replaced by a new one.



# GATEWAYS KNXCONVERTER

Included  
**KNX IP router**  
functionality



## KNXCONVERTER PARLEZ VOUS ASCII?

The **KNXCONVERTER** converts KNX telegrams into ASCII code and vice versa. With its help you can integrate third-party applications very easily. The device sends the data via TCP, UDP (unicast or multicast) as well as HTTP. Thanks to the uncomplex structure of the **KNXCONVERTER** protocol (ASCII commands), integration is as simple as possible. A KNX/TP connection and the integrated KNXnet/IP server provide the connection to KNX. The number of data points is unlimited.

The values of all group addresses are stored in an address status table, which can be read out by third-party applications. Different KNX worlds with the same group addresses can be distinguished by a system ID. The upload of ETS5 project data simplifies the creation of ASCII commands thanks to the use of identifiers and data types. In addition, **KNXCONVERTER** can also be used as a programming interface for the ETS. You configure this device platform-independently via a web interface.

## TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption:  $\leq 5$  W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature:  $-5$  to  $+35$  °C
- Relative humidity (non-condensing): 5 % to 80 %.

### Mechanical data:

- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

### Interfaces:

- KNX via screw terminal (Twisted Pair)
- Ethernet via RJ45 socket

### Special features:

- address status table
- ETS5 project data import
- Communication via TCP and UDP

Art. no. 10401

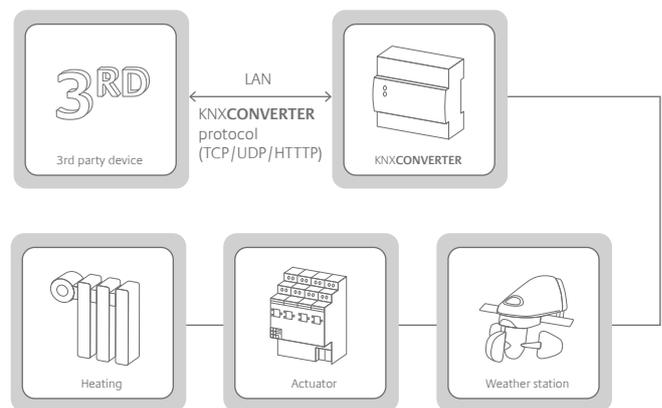
KNXCONVERTER

# EXAMPLES KNXCONVERTER

## KNXCONVERTER

### AS A KNX/TP DEVICE

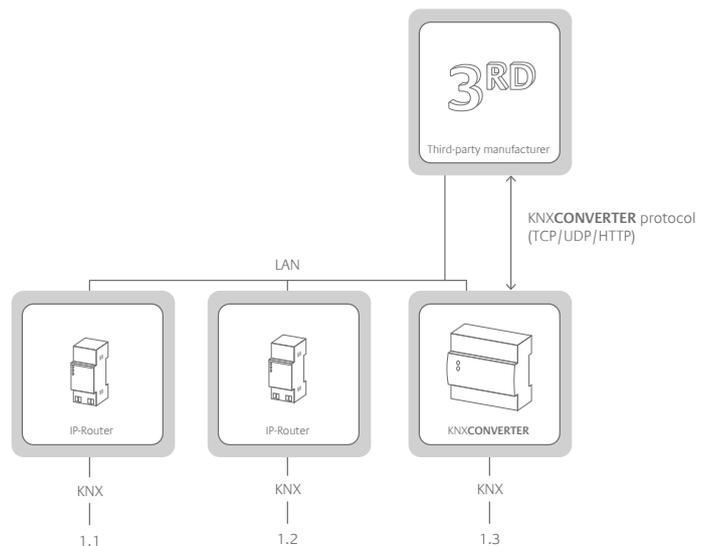
KNXCONVERTER is connected to the Twisted Pair Bus as an additional KNX device. After the implementation of the KNXCONVERTER protocol, the third party application communicates bi-directionally with the KNXCONVERTER via the network (TCP or UDP), giving the third party application full access to the KNX system and vice versa.



## KNXCONVERTER

### AS A KNXNET/IP DEVICE

In larger installations, the KNXCONVERTER replaces an IP router with its integrated KNXnet/IP server. With the help of the KNXCONVERTER protocol, third-party applications are connected bidirectionally to the complete system. Using this third-party solution, the advantages of both worlds are ideally combined with minimal effort.



# GATEWAYS INTERCOMM MODULE

NEW PRODUCT



## INTERCOMM MODULE HELLO. AND WELCOME.

The **INTERCOMM MODULE** establishes the connection between an IP-capable video door intercom system and the building automation.

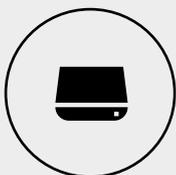
Together with the **EIBPORT** or the **CUBEVISIONMODULE** with **CUBEVISION 2+** App, it is possible to display sound and picture of a video door phone system within the visualisation. Integrated functions for opening the door or switching on the lighting offer the usual comfort of a modern IP door phone

system. Use the option to receive your door intercom on your smartphone, tablet or PC.

The optionally available **CONTROL T 2** software is available for use without building automation. It turns your Windows PC or Mac into an indoor call station for your door communication system.

### Full integration control

Both SIP client and SIP server video door phones are supported by the **INTERCOMM MODULE**. The **INTERCOMM MODULE** can therefore be operated in both «Client Mode» and «Server Mode».



Currently supported video door systems with «Client Mode»:  
**DoorBird, 2N, AGFEO, Mobotix, Koch, Akuvox, Siedle**



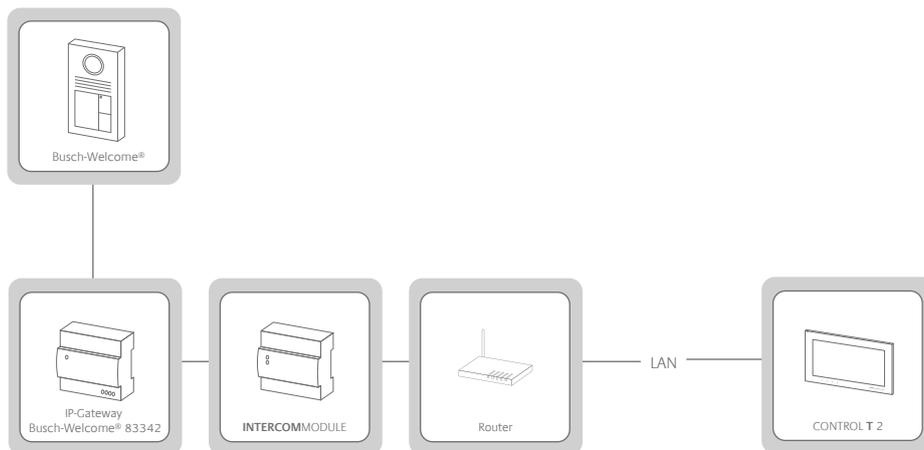
Currently supported video door systems with «Server Mode»:  
**ABB/Busch-Jaeger Welcome with INTERCOM IP Gateway 83342**

# EXAMPLES INTERCOMM MODULE

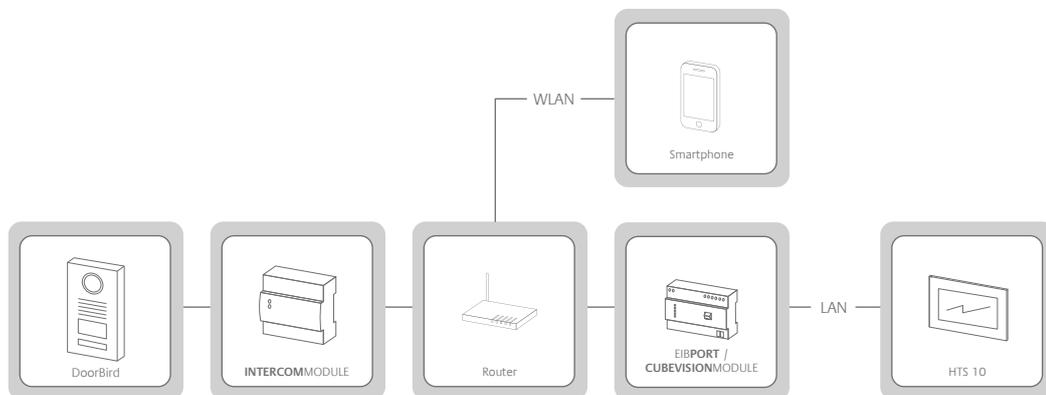
## INTERCOMM MODULE

### THE INTERCOMM MODULE IN APPLICATION

The **INTERCOMM** MODULE is connected to the IP gateway 83342 via LAN. It prepares the video and audio data for use with a web browser. This allows a touch panel PC (e.g: **SMARTSURFACE** with **CONTROL T 2**) to be used as an indoor call station. In the same way, the functions provided by the **INTERCOMM** MODULE can be used as a visualisation using **CONTROL L** or **CUBEVISION 2+** App. Door communication thus becomes an integrated part of the building visualisation.



or:



## TECHNICAL SPECIFICATIONS

- Operating voltage: 12-32V DC
- Typical power consumption: 300 mA at 12 V DC
- Power consumption: ≤ 5 W
- Connection: Power supply via screw plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature: -5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %

### Mechanical data

- Mounting: REG housing 4 TE
- Dimensions (WxHxD) in mm: 72 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)
- Interfaces: Ethernet via RJ45 socket, KNX: TP via screw plug-in terminal (for Art. no. 10583)

|                |                             |  |
|----------------|-----------------------------|--|
| Art. no. 10582 | <b>INTERCOMM</b> MODULE IP  |  |
| Art. no. 10583 | <b>INTERCOMM</b> MODULE KNX |  |

# GATEWAYS LOGIKMODULE

NEW PRODUCT



Now with  
**Plug & Play VPN**  
by HOOC

## LOGIKMODULE PLATFORM FOR IDEAS.

The implementation of a graphical editor based exclusively on latest browser technologies opens up completely new possibilities for users and system integrators. Program your own control sequences (logic groups) with the graphical **LOGIKEDITOR** or integrate third-party applications via the universal REST interface. In addition to a simulation mode and

search and documentation functions, the **LOGIKEDITOR** also offers the possibility of loading and exporting logic groups. Via our new web platform [logikeditor.de](http://logikeditor.de), you can load additional ready-made logic groups that execute application-oriented services.

## TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption:  $\leq 5$  W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature:  $-5$  to  $+35$  °C
- Relative humidity (non-condensing): 5 % to 80 %.

### Mechanical data:

- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

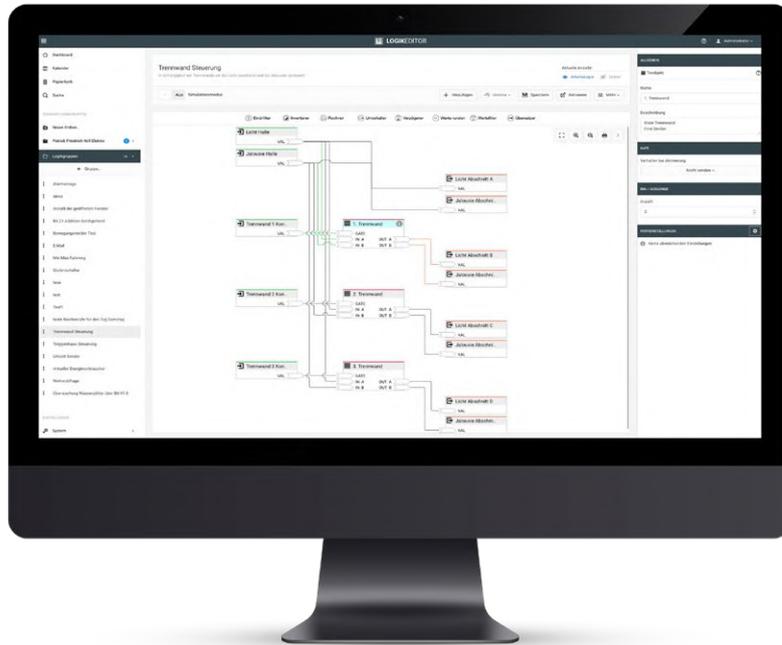
### Interfaces (depending on variant):

- Ethernet: RJ45 socket
- KNX: Twisted Pair via screw plug terminal block
- EnOcean: SMA plug (incl. 2,5 m magnetic base antenna)

### EnOcean specifications:

- Operating frequency: 868.3 Mhz
- Range: 300m outdoors / 30m indoors (construction material dependent)
- Input objects: Any number
- Output objects: 128
- External antenna: 2.50 m cable, magnetic base and SMA connector

## AUTOMATISE & INTEGRATE GRAPHICAL LOGIKEDITOR



These logic elements are provided by the graphical **LOGIKEDITOR**:

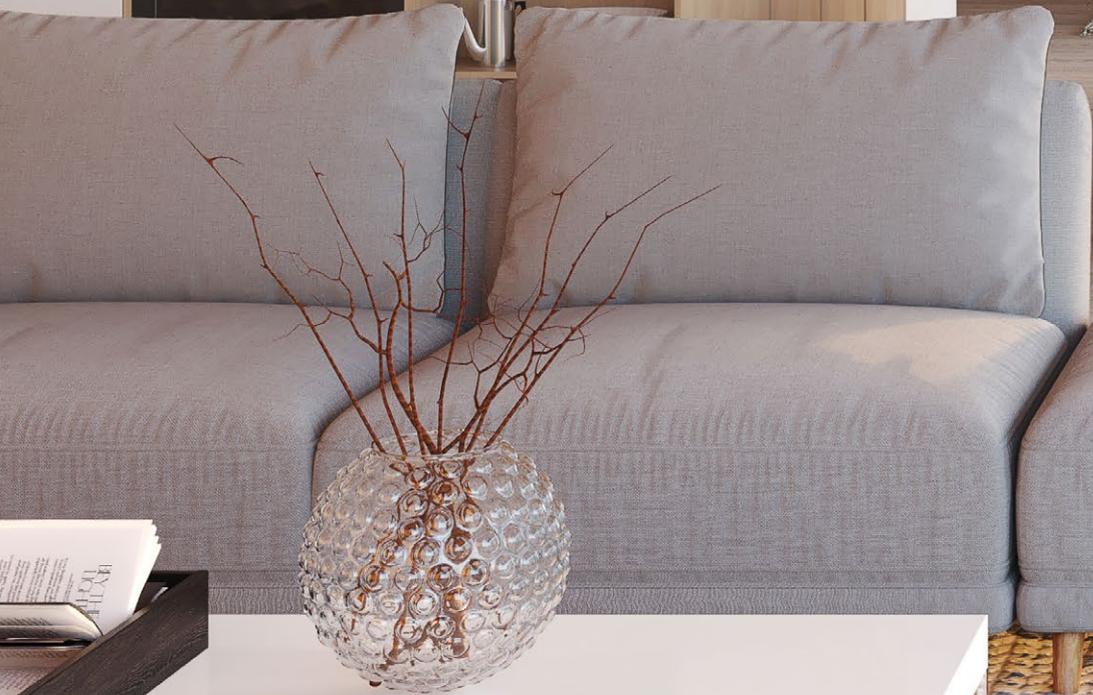
- Astro clock
- Binary logic
- Data converter
- E-mail sender
- Fixed value / initialization
- HTTP request
- Calendar
- Camera Archive
- Mathematics
- **New:** REST interface
- Collective message
- Threshold value
- Statistics
- Scene
- Text Processor
- Gate object
- Transformer
- Staircase automat
- Comparator
- Distributor
- Delayer
- Value memory
- Value Read
- week clock
- Timer
- Cyclic transmitter

All logic elements can be graphically linked to each other.

With the help of so-called «Tools», these connections can be modulated at lightning speed:

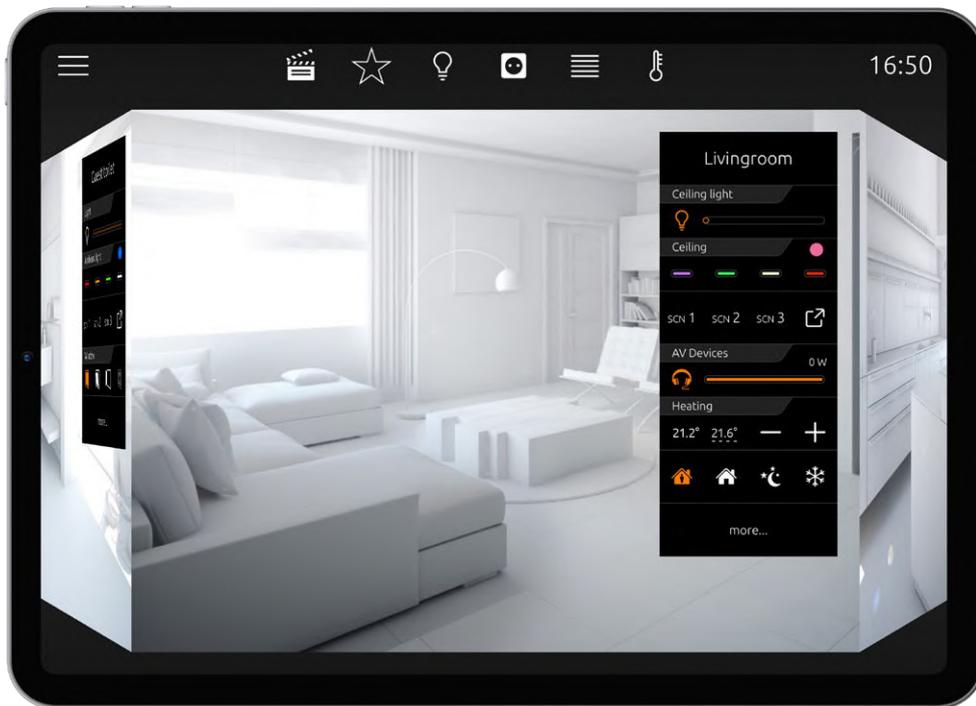
- Binary filter
- Inverter
- Calculator
- Changeover switch
- Round values
- Delayer
- Value filter
- Translator

|                |                            |  |
|----------------|----------------------------|--|
| Art. no. 10571 | <b>LOGIKMODULE IP</b>      |  |
| Art. no. 10575 | <b>LOGIKMODULE KNX</b>     |  |
| Art. no. 13571 | <b>LOGIKMODULE EnOcean</b> |  |





# VISUALISATIONS CUBEVISION 2



## CUBEVISION 2

- + Component of EIBPORT
- + Component of FACILITYMASTER
- + Component of CUBEVISIONMODULE

One of a kind. Self-explanatory. Creative. Be fascinated by the revolutionary CUBEVISION 2 operating concept. The sophisticated user interface scales automatically on almost all display devices. This way, smartphone, tablet and co. become the control center for your intelligent home in no time. CUBEVISION 2 can be easily configured in your web browser

in only three steps: Import KNX project, select background images and define functions. The complete visualisation will be created automatically afterwards. With the «Smart Function Creator» you create your own scenes and smart home functions by drag 'n' drop within the user interface. CUBEVISION 2 is Smart Home as it should be.



Desktop Computer with Windows® or MAC® OS



Touch Panel PC



Hybrid Touch Sensor

# VISUALISATIONS CUBEVISION 2



HTS10



Apple® iPad®



Apple® iPhone®



Android®  
Smartphone



## BECOME A SMART HOME DIRECTOR

With the «Smart Function Creator» you create scenes directly in CUBEVISION 2: Start the «Smart Function Creator», navigate in the visualisation as usual and simply move the desired visualisation elements for the scene into the «Drop Zone». All selected elements are considered in the scene with their current values, such as dimming value, color, temperature or mode.

**Now new:** Use additional camera positions or your favorite playlists. Your finished scene then starts either time-controlled (with optional astro function), manually from the visualisation or by events in your Smart Home, such as reaching a certain temperature, the signal of a window contact or the triggering of a motion sensor and start your scenes with Alexa (exclusive for EIBPORT).



X 10:51

# Wohnzimmer

Deckenfluter



Decke

SZN 1

SZN 2

SZN 3

AV Verbraucher



Heizung

21.6°

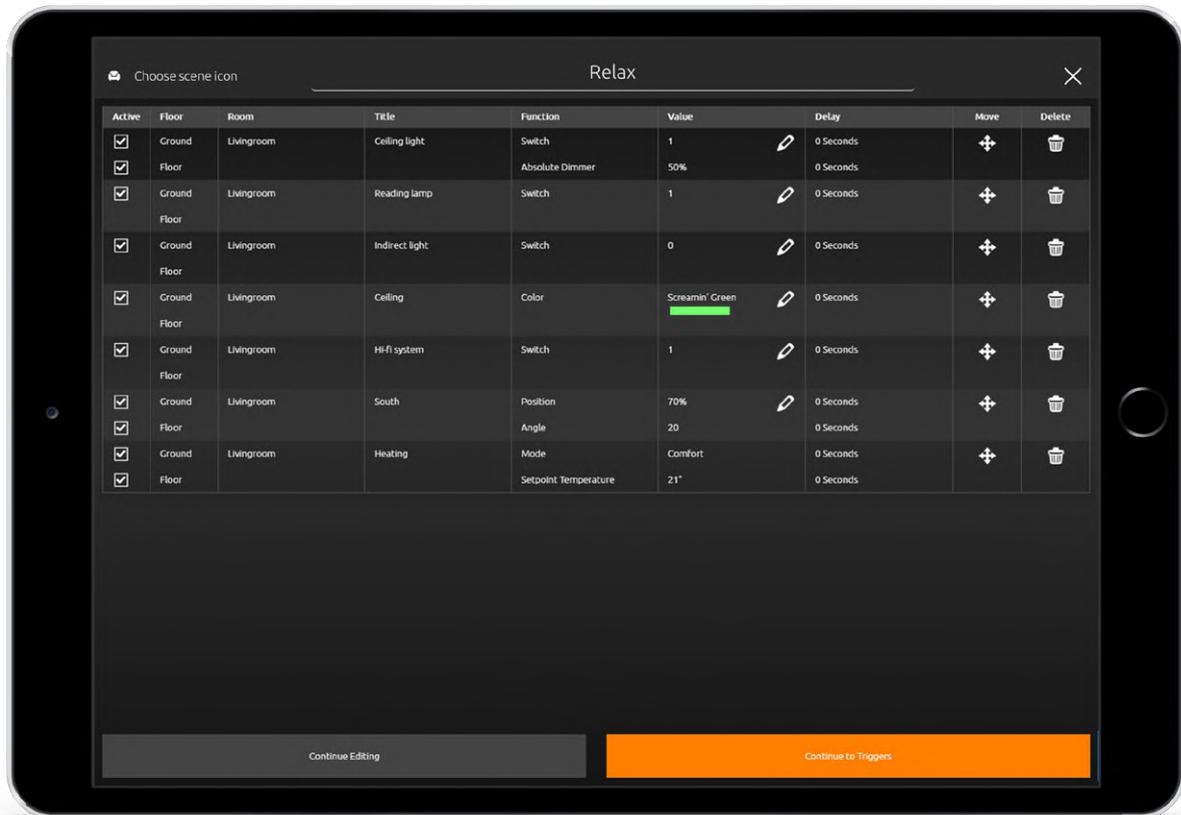
21.0°

0W



mehr...

# VISUALISATIONS CUBEVISION 2



## ALL ELEMENTS OF THE SCENE AT A GLANCE.

After you have moved all desired elements to the «Drop Zone», you will be directed to the overview of your scene. Here you can find all elements of the scene. Values, sequence, activity, as well as the delays between the individual

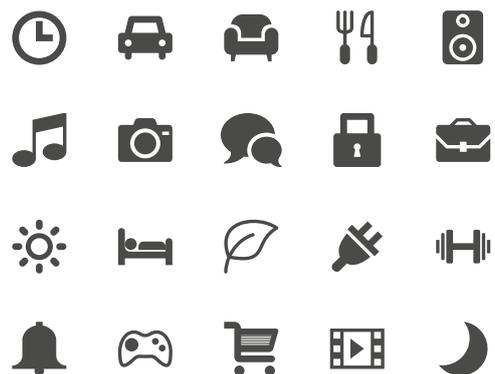
elements can also be set here retrospectively. Just assign a suitable name to the scene and select an icon.

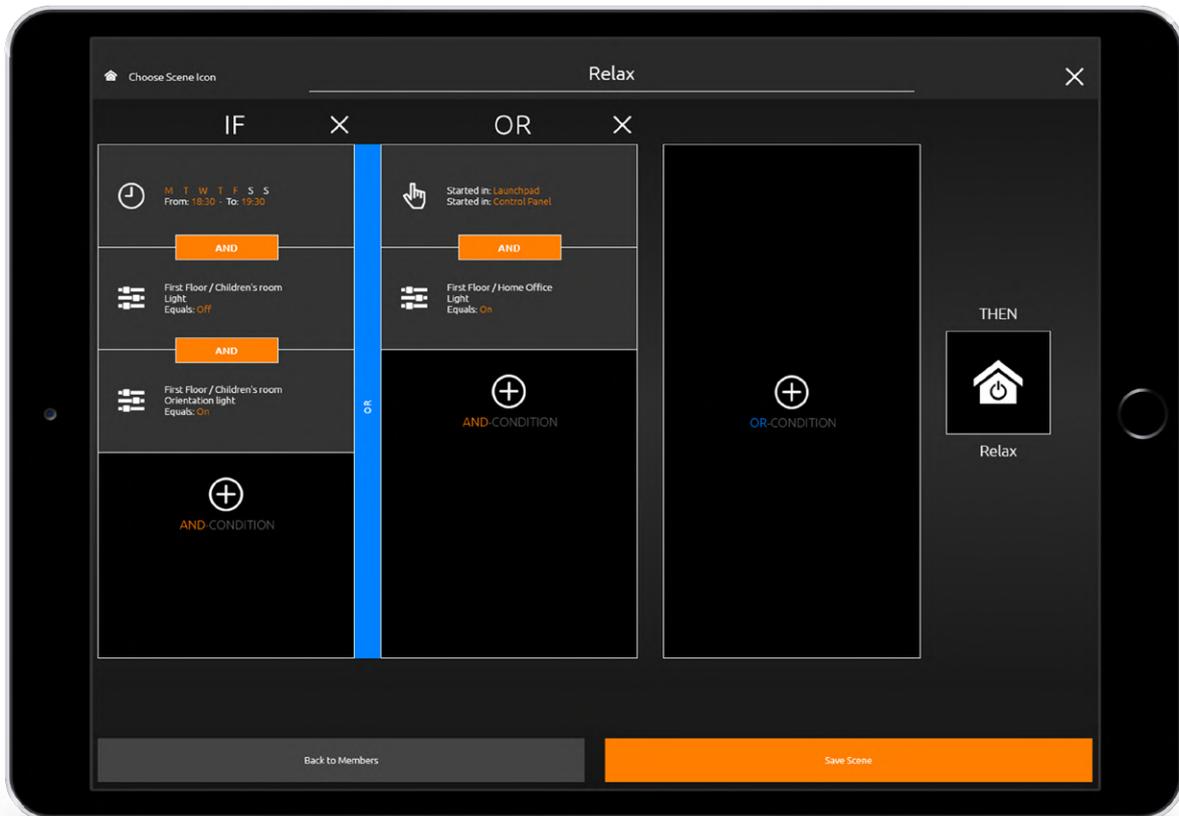
### ICONS

Since the number of scenes you create is not limited, we have equipped CUBEVISION 2 with more than 450 icons. So you can find scenes within the visualisation even faster.



CUBEVISION 2 live and as video on  
[www.cubevision.info](http://www.cubevision.info)





## ADD CONDITIONS.

With the «Smart Function Creator» you do not only create scenes, but also define exactly how they are to be triggered. From the control element in the visualisation, to a simple clock, to the combination of different conditions. The trigger

types «**Time and Date**», «**Event**», «**Manual**» and «**Alexa**» are available. If several triggers are configured in a scene, connect them to further conditions (AND/OR). Whether simple or complex, you can easily create your smart home functions.



Time and date



Event



Manual

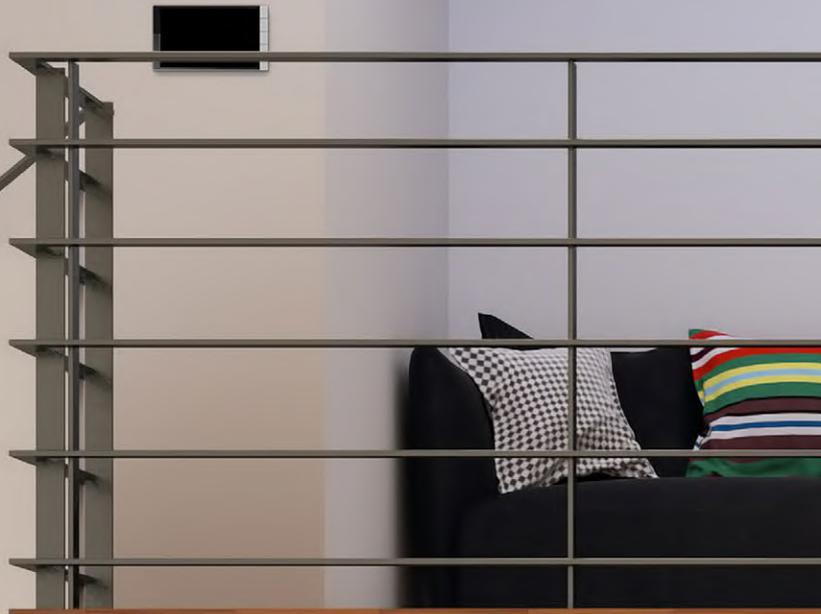


Alexa\*

### TRIGGER TYPES

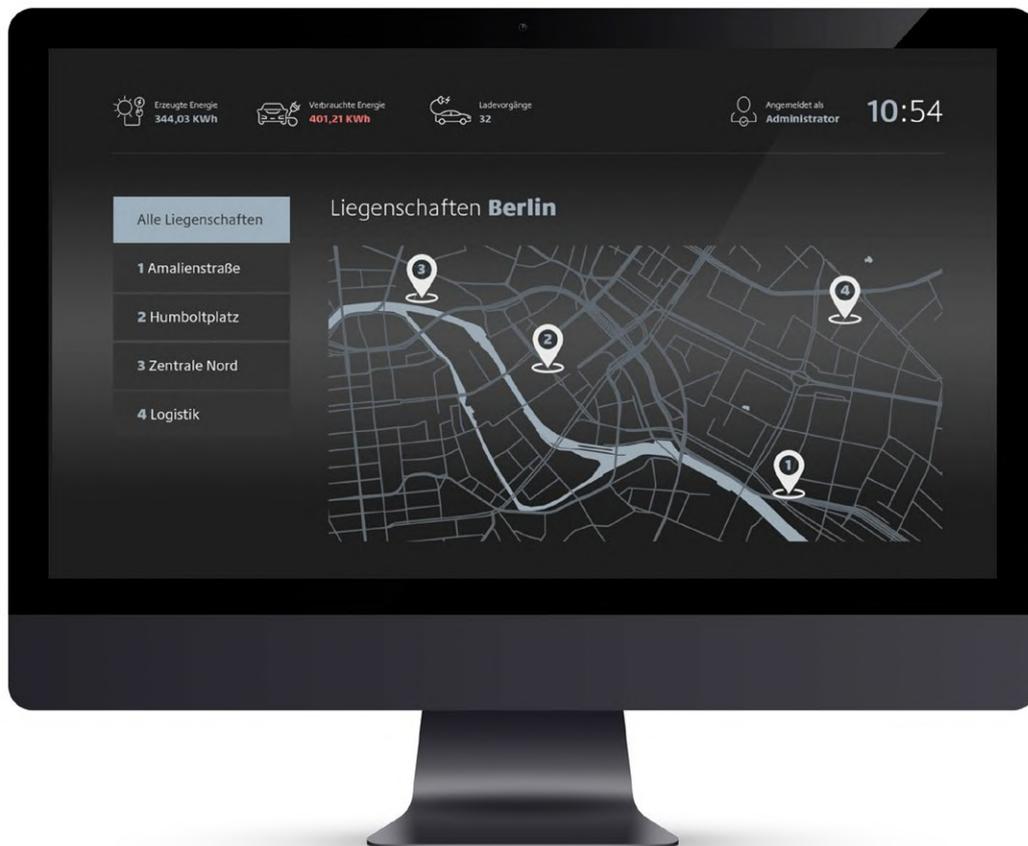
The type «**Time and date**» provides you with a weekly clock with astronomical function. The «**Event**» type offers you the possibility of, for example, exceeding a temperature or current consumption or, quite simply, operating a push-button as a trigger. With the type «**Manual**» you place the trigger at the desired position in CUBEVISION. With the brand new «**Alexa**» trigger, you can now also trigger Smart Functions conveniently by voice command.\*

\* Currently only available for the EIBPORT





# VISUALISATIONS CONTROL L

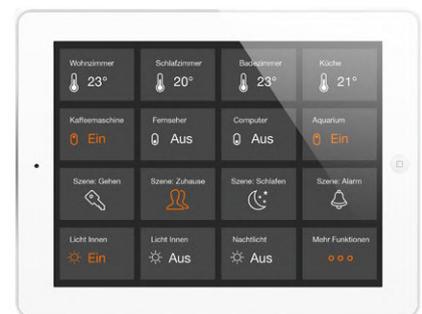
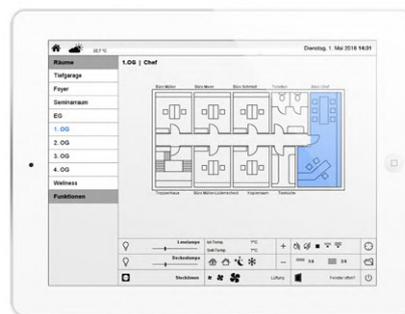


## THE GREAT FREEDOM WITH CONTROL L

- + Component of EIBPORT
- + Component of FACILITYMASTER

With the platform-independent visualisation of the EIBPORT for PCs and tablets you can create completely individual visualisations. Many ready-made control elements such as buttons, sliders, pop-up windows or room temperature controllers help you to do so.

With style sheets, master pages and the integrated ESF data import you create top visualisations in breathtaking speed. With the unique Live Mode, you can check your results at any time without interrupting your work.



## EXAMPLES FOR VISUALISATIONS WITH CONTROL L

Whether pragmatic, project oriented or design oriented:

With CONTROL L you can design your visualisation with all the freedom you need. Down to the last pixel. With ease.



### FLOOR PLAN VISUALISATION

In the commercial sector, it is particularly important to present information about large buildings clearly and to make it easy to operate. With CONTROL L you can easily import building floor plans and effortlessly place operating and display elements in place. The visualization templates available free of charge make getting started child's play.

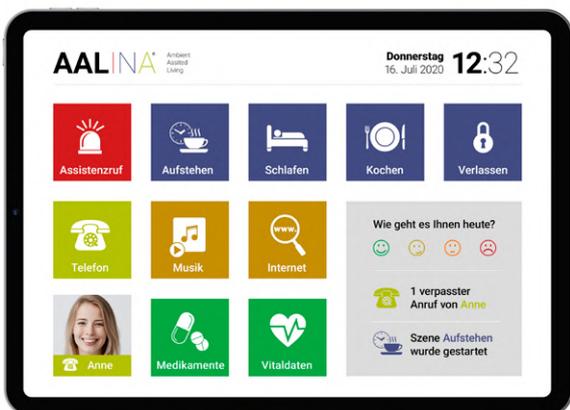
**Project:** Konzerthaus Bremen / Michael Körbs



### CORPORATE VISUALISATION

Branding guidelines and specifications by architects can be implemented in detail with CONTROL L. From the background to the individual control element, you can design everything according to your customer's specifications with the tools of EIBPORT. Down to the last detail.

**Project:** abrax arquitetos, Brazil / Elétrica Nova Lda.



### AAL VISUALISATION

Ambient Assisted Living. The term is familiar – technologies and services will be made easily accessible to people with disabilities to make everyday life more comfortable and safer. We believe that this will not work with rigid operating concepts. With CONTROL L you can create user interfaces that are perfectly adapted to users and their special needs.

**Project:** AALINA® / REAL SMART HOME GmbH

# VISUALISATIONS CONTROL L

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## THE CONTROL L EDITOR – CONVENIENT AND TARGET-ORIENTED WORKFLOW

The CONTROL L Editor offers a whole range of tools that help you implement customer requirements on time and within budget:



### WYSIWYG editor with live mode

More than 45 standard and special control elements such as web container, energy display or a Dali monitor are available to you as prefabricated elements. By Drag & Drop you can drag the desired elements into the work area and position them with pixel accuracy using the adjustable grid. With the unique live preview you can test your previous work at the push of a button.



### Master pages and style sheets

If visualisation pages need to share common elements, you create and modify them in a central location: the master pages. Changes will be applied to all pages that are linked to a master page. In this way, you can adjust even extensive visualisations at lightning speed. With the style sheets in CONTROL L you define colour filters, typography and graphic effects centrally for all desired elements. In this way, you create visualisations in no time and even react to spontaneous change requests with ease.



### Modern browser technologies

PC, tablet or smartphone. You can create visualisations for different operating devices as required. With slide elements, dialog boxes and freely configurable events, you can adapt your visualisation to any end device. For example, you can open dialogs or external web pages, or trigger HTTP requests.



### Unlimited data points and extensive user administration

We believe that limitations are passé. Therefore, with CONTROL L you enjoy the freedom to define an unlimited number of data points. With the extensive user administration, you provide users with the access rights they need.

TANK 1 REQUEST TEMP 1.1 BAR ALARM  
TANK 2 REQUEST TEMP 1.2 BAR ALARM  
8.5  
8.5

ACS RECIRCULATION PUMPS STATUS ON / OFF  
PROGRAM

SUPERVISION - GALLETTI 2 (ACS)

GALLETTI 2  
TERMINO GALLETTI 2

- News Project
  - Personas Connect
  - Side Visualisierung DE
  - Side Visualisierung EN
  - Smartphone Visualisierung DE
  - Smartphone Visualisierung EN
  - Server Tests
  - Master Seiten
  - File / Subsystem
  - Browser Test
  - Technics Connect
  - Net Images
  - TEST PRESENCE APP
- Elemente
- Kamerazugabe
  - Web Controller
  - Webbox
  - Webbox
  - Graphisches Element
  - Wegweiser Taster
  - Leuchte + Statusanzeige
  - Fensterkontakt
  - RTX Anzeige
  - ACA-Element
  - Vorwarnmelder
  - Türverbraucher
  - Raum
- Standard Elemente
- Bild
  - Schalter Ein/Aus
  - Taster
  - Leuchte
  - Wahlzeile
  - ES 14 Taster

- TF-U0 27 / Flur Müllraum
- TF-U0 28 / Müllküche
- TF-U0 30 / Anlieferung Küche
- TF-U0 31 / Anlieferung Schleuse
- TF-U0 01 / Flur zu FWA-Flur
- TF-U0 11
- TF-U0 16 / zu Hauptmehlfur
- TF-EG 04 / Flur / Außen
- TF-EG 10 / Sicherheitskammerhaus
- TF-EG 11 / Eingangshalle
- TF-EG 12 / Eingangshalle
- TF-EG 14 / Cafe / Restaurant
- TF-EG 15 / Mensa / Terrasse
- TF-EG 16 / Mensa / Terrasse
- TF-EG 17 / Mensa / Terrasse
- TF-EG 18 / Mensa / Terrasse
- TF-EG 19 / Mensa / Terrasse
- TF-EG 20 / Zugang Ost
- TF-EG 21 / WF / TH
- T-EG 01 / Halle / Vorraum FWA

Netzschalter

- TF-EG 11 / Eingangshalle
- TF-EG 15 / Mensa / Terrasse
- TF-EG 20 / Zugang Ost

Legende

- Tür nicht verriegelt
- Tür verriegelt
- Vorwarnung aktiviert
- Vorwarnung deaktiviert

Spannungsüberwachung

Störmeldungen

Beleuchtung



# VISUALISATIONS CONTROL L



## DREAM TEAM: CUBEVISION 2 AND CONTROL L

Combine the advantages of an automatically generated visualisation with the freedom of CONTROL L? Nothing to worry about. If desired, use the best of both worlds and embed CUBEVISION 2 into a CONTROL L visualisation at the push of a button. This is how you use the award-winning design visualisation combined with the advantages of complete individuality. For example, simply mix CUBEVISION with a

clear floor plan visualisation and special CONTROL L functions such as HTTP requests or sequence buttons. Your CUBEVISION project will be centrally managed and is therefore always up to date and ready to use with CONTROL L, web browser and the CUBEVISION 2+ App.



Medlungen

2 Medlungen anfragen

CUBEVISION 2

EnergieMonitor

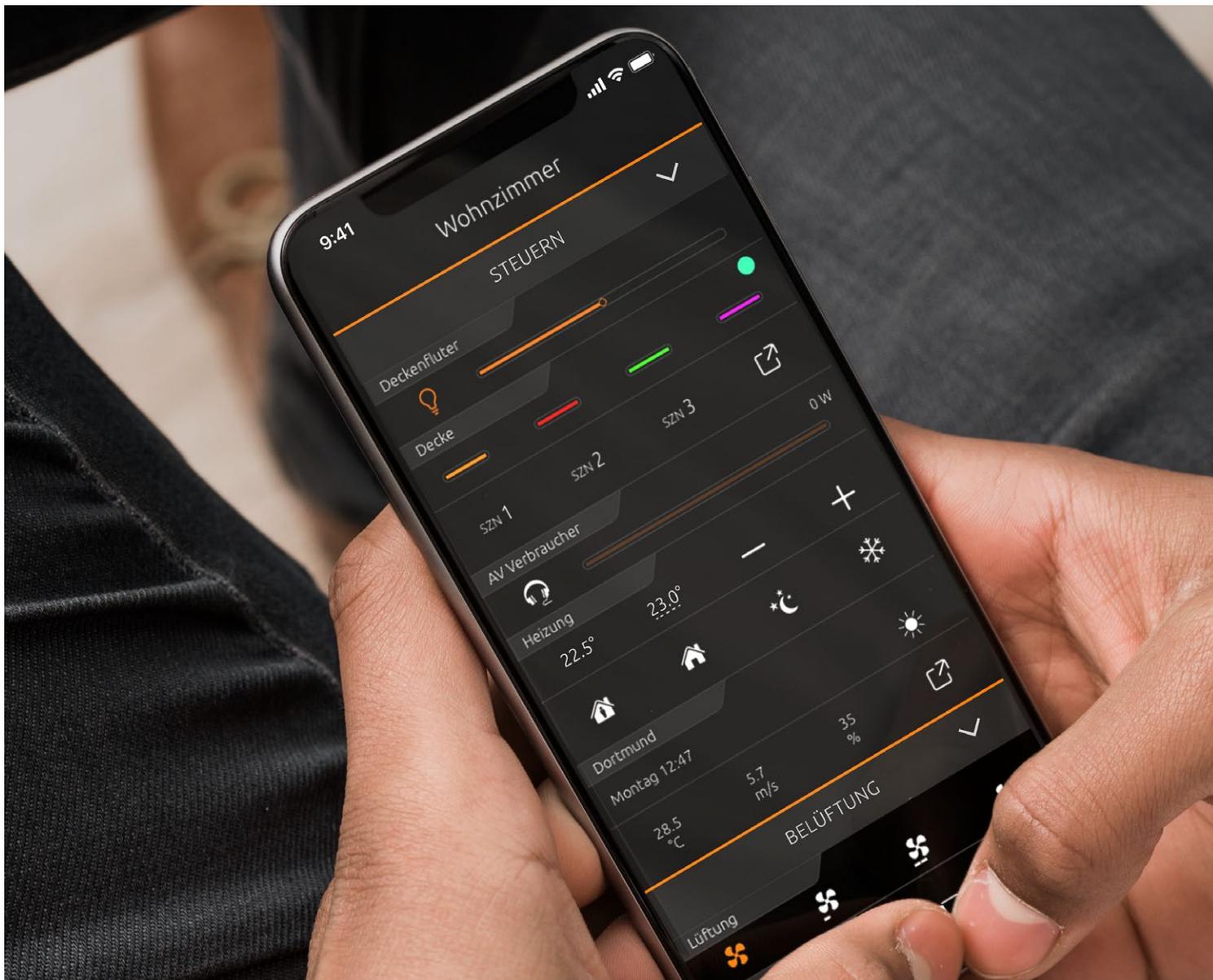
Gesamtwverbrauch aktuell

6,42 kWh

Szenen



# VISUALISATIONS CUBEVISION 2 APP



## 2+ CUBEVISION™ APP

The CUBEVISION 2+ APP is available for Smartphones and Tablets. With its innovative operating concept and optimised interface, CUBEVISION 2 adapts perfectly to the needs of mobile devices. The dynamic operating panels can be moved precisely. This allows you to operate CUBEVISION 2 using only one hand. The visualisation scales automatically to the respective display size. Thereby the app uses the configu-

ration data of the existing CUBEVISION 2 project and does not require any special configuration. This way, a consistent visualisation for all operating clients is automatically created from a single database.

**New:** Video door phone integration in combination with the INTERCOMM MODULE (p. 44)

Download now for free:



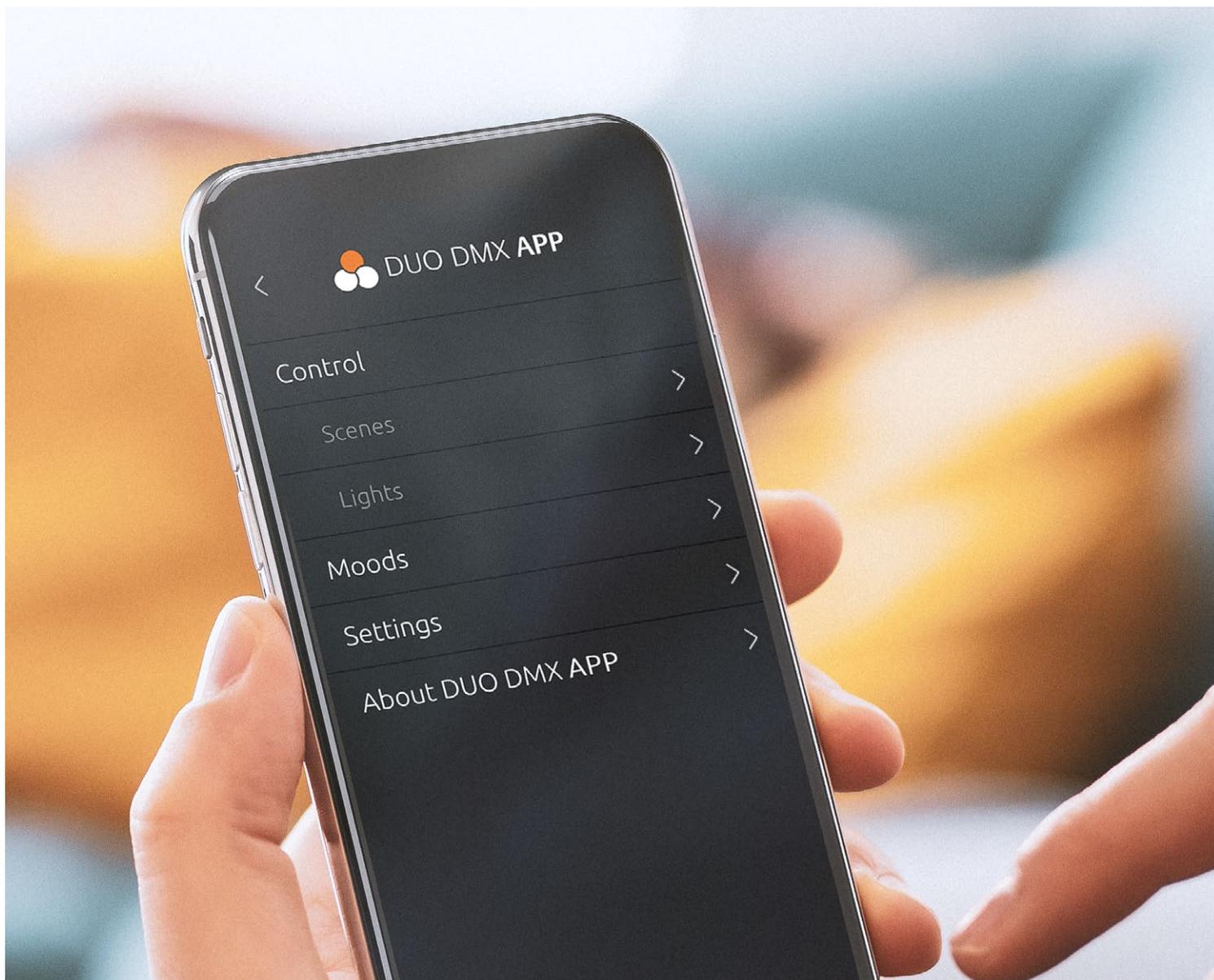
for iOS®



and Android®.



# VISUALISATIONS DUO DMX APP



## DUO DMX APP

Lighting control with the DUODMX GATEWAY - possible even without building automation:

With the «DUO DMX APP» you can control luminaires and scenes directly and conveniently with your smartphone. If desired, the app connects automatically to an existing DUODMX GATEWAY and provides immediate access to all

connected luminaires. No additional settings need to be made inside the App. You intuitively change the colours of individual luminaires and scenes using the integrated control. With the «Favourites» function, your favourite colours are directly available to you at any point. With «Moods» you can transfer colour impressions from your own photos directly to your lights. To do this, select a photo in the App and specify the colour ranges to be used. Colours can be used as sequences with adjustable speed or as single dyes.

**Download now for free:**



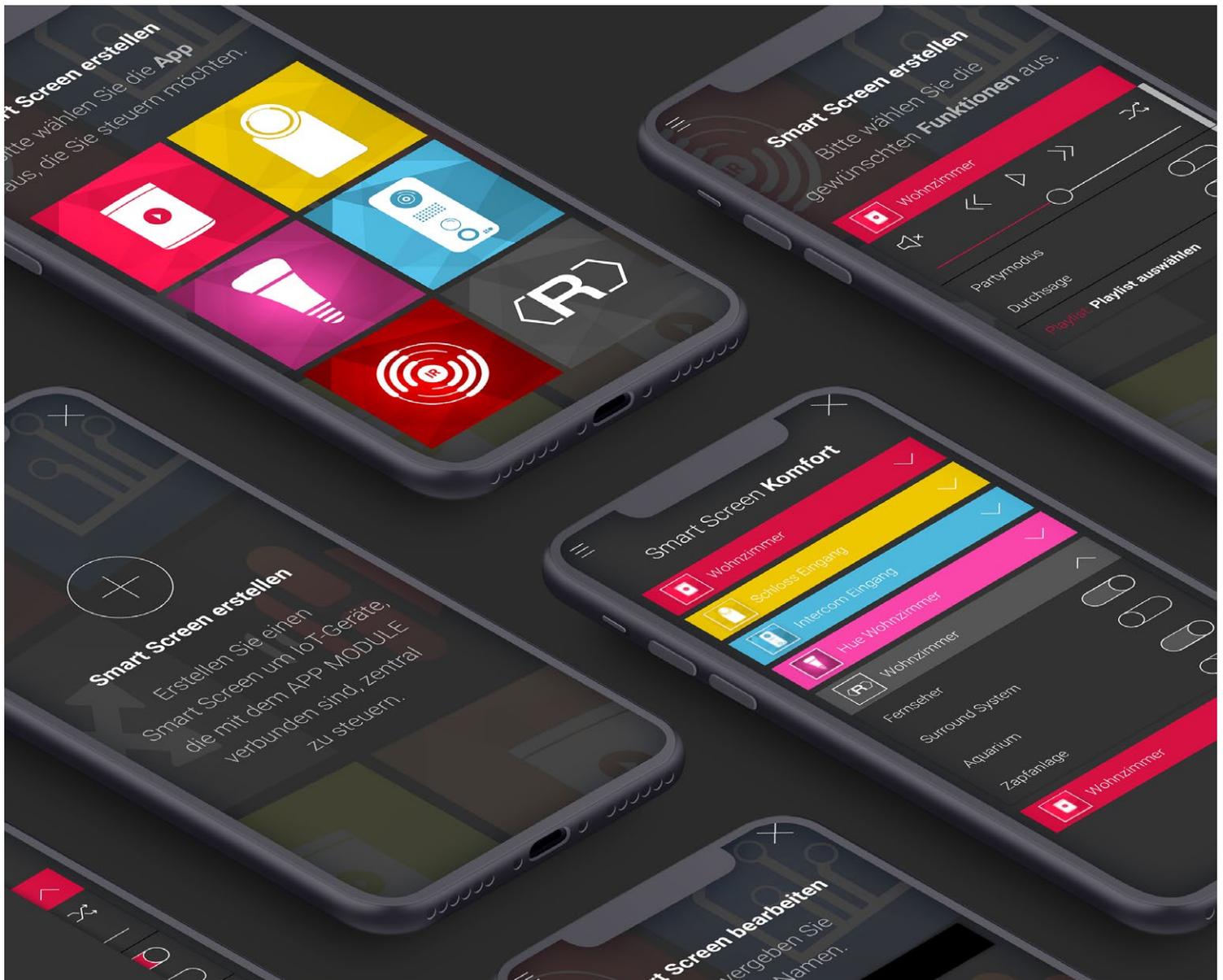
for iOS®



and Android®.



# VISUALISATIONS SMART SCREENS APP



## SMART SCREENS APP

Control IoT, KNX and EnOcean devices within one single interface? No problem with the **APPMODULE** and the brand new «Smart Screens». Whether Philips hue, Panasonic, Sonos, Nuki oder DoorBird: All Smart Home Apps installed on the **APPMODULE** can now be controlled directly with your smartphone. Download «Smart Screens» from the Apple® AppStore® or Google® Play and connect your Smartphone

with the **APPMODULE**. Create your first Smart Screen in just a few minutes and combine functions of different products - simply and individually. This way you control different IoT and KNX components in just one interface. Further Smart Screens can be created just as easily.



Sonos Wohnzimmer

Speaker icon, Previous, Play/Pause, Next, Repeat, Volume slider

Durchsage

Party-Modus

Playlist: Guten Morgen Albert

Sonos Schlafzimmer

Sonos Küche

Homematic Küche

Kaffeemaschine

Stehlampe

Nuki Eingang

# ADDITIONAL SOFTWARE

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# ADDITIONAL SOFTWARE CONTROL R



**CONTROL R**  Component of EIBPORT \*  
 Component of FACILITYMASTER

CONTROL R (Room Allocation Plan) is the automatic controller for occupied/unoccupied rooms according to a time schedule.

Optional for the EIBPORT and pre-installed on the FACILITYMASTER – CONTROL R is a software module for the visual display and control of individual rooms. Buildings with changing room occupancy, such as schools, conference rooms or hotels, benefit particularly from the CONTROL R concept. Unused rooms are set to ECO mode according to

the occupancy plan. The CONTROL R module is part of the visualisation editor in EIBPORT. You configure all settings via a clearly arranged configuration mask. After configuration, all necessary time switch points for the defined period are calculated in advance.

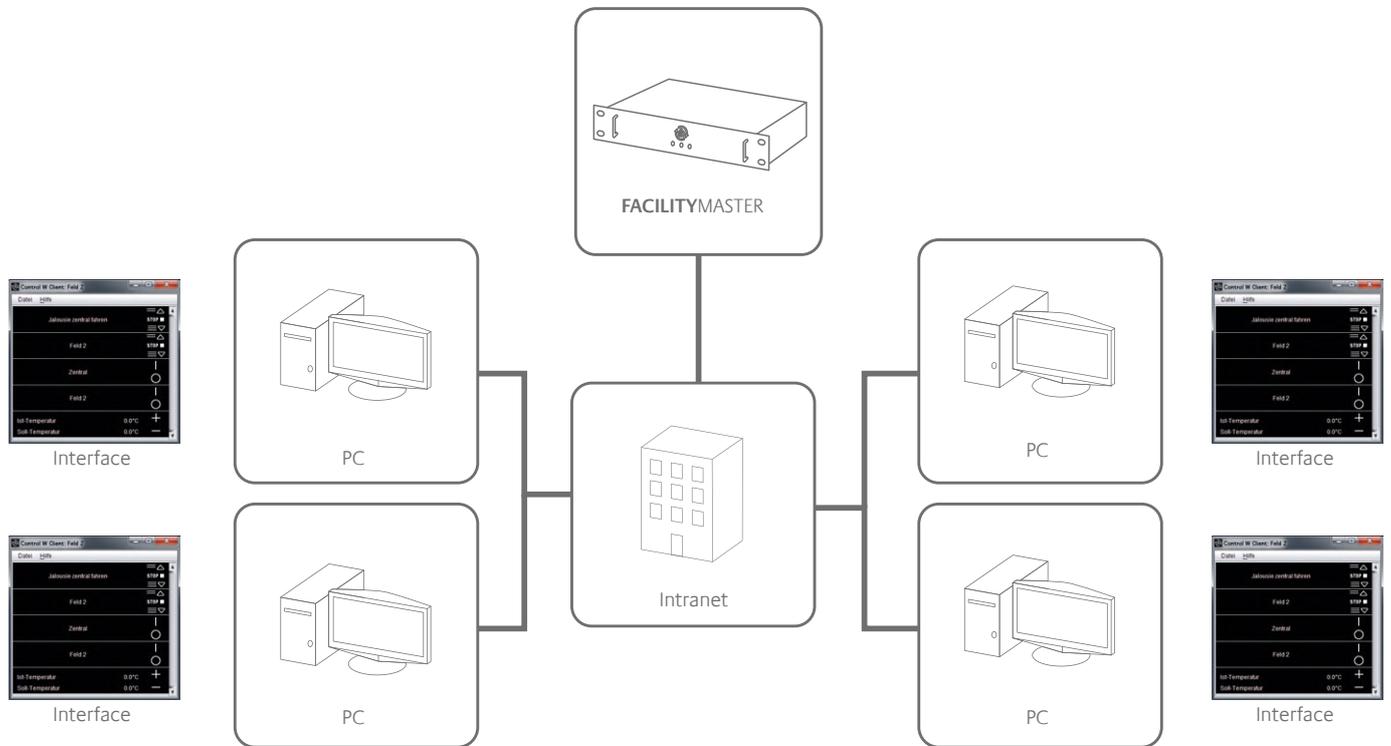
- Room Allocation Plan for up to 2 years in advance
- Cost saving through targeted control
- Deviating events can be reacted to immediately through the visualisation

\* License required

Art. no. 20562

CONTROL R

# ADDITIONAL SOFTWARE CONTROL W



## CONTROL W

+ Component of EIBPORT \*

+ Component of FACILITYMASTER

CONTROL W is a server client application for the EIBPORT and the FACILITYMASTER.

The software enables local operation of the KNX components from the PC. Up to 100 workstation visualisations per EIBPORT or 2000 per FACILITYMASTER can be configured. With CONTROL W, users control lighting, shading and room temperature individually and conveniently. This ensures more efficient working under individual conditions. For building

operators, the software offers a high savings potential. Room operating elements, such as push-button sensors, can be replaced by CONTROL W and thus saved. In contrast to other software solutions, there is no project data on the office PCs in addition to the client application for visualisation. All data is managed centrally in the EIBPORT or FACILITYMASTER.

- Creation of PC push-button sensors
- Library with switches, dimmers, shutter switches, and room temperature controllers
- Central management & User administration
- Efficient working conditions through individual control

- Up to 100 PCs via EIBPORT
- Up to 2000 PCs via FACILITYMASTER

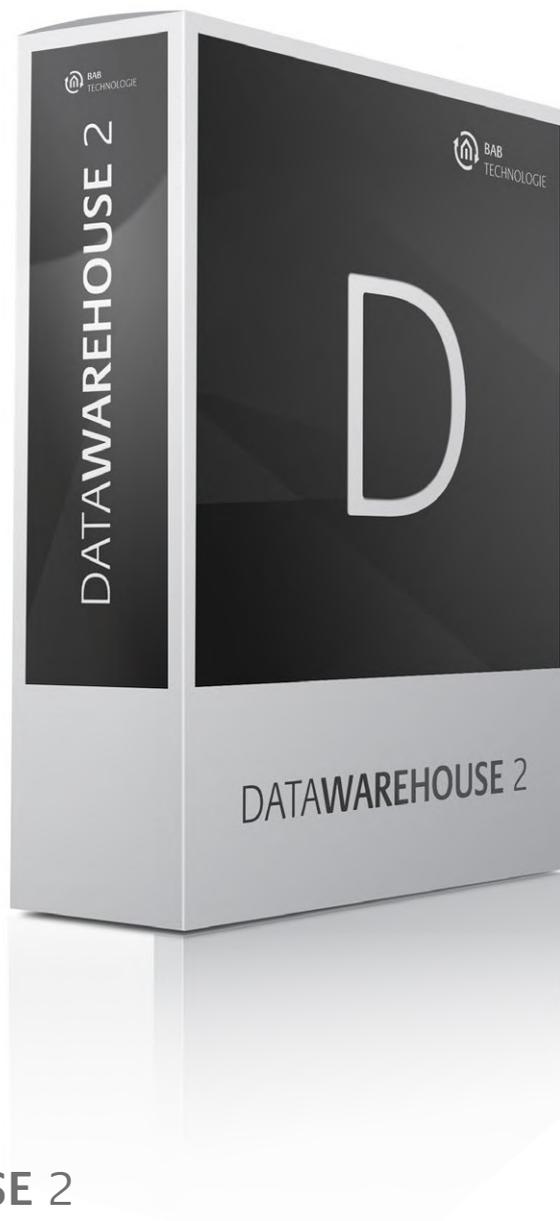
Communication via LAN:

- Access via tray icon
- All project data is stored in EIBPORT / FACILITYMASTER

\* License required

Art. no. 20300

CONTROL W



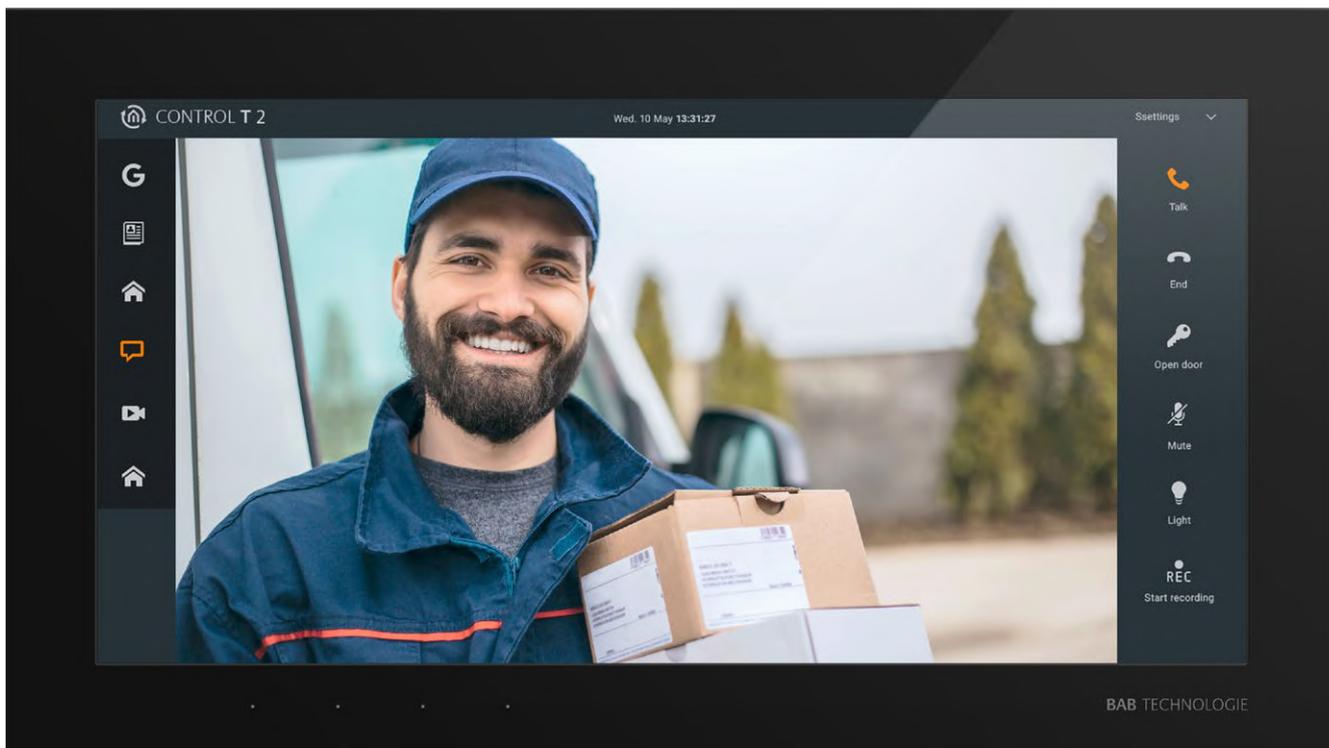
## DATAWAREHOUSE 2

DATAWAREHOUSE 2 is an additional software for the EIB**PORT** and runs as a Java-based program under Linux, Windows® and Mac® OS.

It uses the function of the EIB**PORT** to write KNX group addresses and values into a MySQL-DB as long term data recording. The data from the MySQL file is converted into a CSV file. These data can then be used by other programs for graphical evaluation (e.g. Microsoft™ Excel). Analyse consumptions or optimise KNX configurations based on the data

provided. The number of databases is not limited. A selection by time period or group addresses is also possible. To activate the free DATAWAREHOUSE 2, a license is required. Please request it from us by stating the serial number of your EIB**PORT**.

# SOFTWARE CONTROL T 2



## CONTROL T 2

- + Component of **SMARTSURFACE**
- + Component of **FLATTOUCH**

CONTROL T 2 is the control and information centre for your Touch Display.

With the design-oriented launch software you can switch between different applications such as building visualisation, the current traffic situation or weather data quickly and conveniently. With the integrated web browser and the on-screen keyboard it is possible to access web pages at any time. An overview of your cameras can be called up just as easily. Integrate selected Axis® cameras via plug & play.

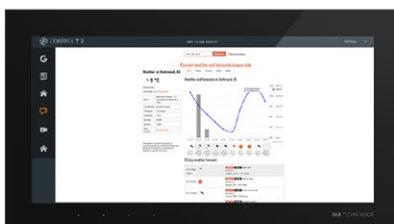
This allows you to intuitively customise the user interface according to your needs.

In conjunction with the **INTERCOMM**MODULE, video door phones are integrated into CONTROL T 2 - the Touch Display now becomes an indoor video call station.

Executable under Windows® and MAC® OS.



CONTROL T2 with visualisation



CONTROL T2 with web browser



CONTROL T2 with traffic map

|                |                            |  |
|----------------|----------------------------|--|
| Art. no. 20542 | CONTROL T 2 (1 LICENCE)    |  |
| Art. no. 20543 | CONTROL T 2+ (10 LICENCES) |  |



# TOUCH PANELS FLATTOUCH



## FLATTOUCH

10,1", 15,6", 18,5", 21,5"

The **FLATTOUCH** impresses with its high-quality workmanship and the continuous touch surface, which is enclosed in a solid aluminium chassis. This makes it a robust, and with a depth from 38 mm, extremely flat touch panel PC with Vesa wall mount. Whether reception area, sales room, hospital or smart home: The widescreen LED LCD and the support of multi-

touch gestures make the **FLATTOUCH** a visually appealing control unit for any building visualisation. Together with the pre-installed launch software **CONTROL T 2**, the **FLATTOUCH**, available in four sizes, becomes your individual information centre for your project.

# TOUCH PANELS FLATTOUCH



»No visible connections thanks to a detachable cover.«

## TECHNICAL SPECIFICATIONS

- Extremely flat Panel PC with capacitive touch surface
- Depth: 48 mm 15.6", 18.5" and 21.5"; 38 mm 10.1"
- Display: Color Wide Screen LED LCD
- Front: Continuous surface (Polyethylene Terephthalate)
- Touch screen: Projected capacitive touch

Dimensions W x H x D (in mm) and weight (in kg):

- 263 x 170 x 38. 1.5 (10.1")
- 396 x 245 x 48. 4.5 (15.6")
- 464 x 284 x 48. 6.8 (18.5")
- 536 x 328 x 48. 8.0 (21.5")

Resolution in pixels:

- 1366 x 768 (15,6" / 18,5")
- 1920 x 1080 (10,1" / 21,5")

Backlighting in cd/m<sup>2</sup>:

- 380 (10,1")
- 220 (15,6")
- 250 (18,5" / 21,5")

Processor and graphics:

- Intel® Celeron J1900 quad-core processor up to 2.4GHz
- Intel® Baytrail chipset
- Intel® HD Graphics (Baytrail)

Ports (depending on variant):

- 1 x USB 3.0, 4 x USB 2.0
- 2 x RJ45 Gigabit LAN (1 x with 10.1")
- 1 x VGA
- 1 x DVI-D (15.6"/18.5"/21.5")
- 1 x mini-PCIe

- Working memory: 4 GB DDR3L 1333 SO-DIMM max. 8 GB
- Hard disk: 500 GB HDD 2.5" SATA 3
- Operating system: Windows 10 IoT Enterprise DE pre-installed
- Speakers: 2 x 2 Watt
- USB: 4x USB2.0, 1x USB3.0
- Camera: 2 MP Webcam built in front
- Monitor output: 1x VGA
- Slot: 1x Mini-PCIe

- Protection: IP 65 Front
- Colour: Black
- Mounting: VESA 75 mm bracket
- Power supply 19 V DC (power supply unit included)
- Operating temperature: 0 °C to 35 °C

|       |       |                 |                      |  |
|-------|-------|-----------------|----------------------|--|
| 10,1" | Black | Art. no. 04651s | FLATTOUCH 101        |  |
| 15,6" | Black | Art. no. 04655s | FLATTOUCH 156        |  |
| 18,5" | Black | Art. no. 04659s | FLATTOUCH 185        |  |
| 21,5" | Black | Art. no. 04661s | FLATTOUCH 215        |  |
|       |       | Art. no. 04620  | FLATTOUCH WALL MOUNT |  |

# TOUCH PANELS HTS10

NEW PRODUCT



## HTS10 HYBRID TOUCH SENSOR

The «HTS10» intelligently combines the advantages of tactile button operation with those of a precise touch screen. With its configurable mechanical keys, any desired function can be called up without detours. The high-resolution 10-inch display is the perfect screen for the staging of CUBEVISION 2. Optimised for touch operation, the building visualisation benefits from all the advantages of the touch screen and is supported by the dynamic function assignment of the mechanical buttons. From simple lighting control to complex smart home functions - users determine the key assignment themselves.

The current values of the integrated sensors are clearly displayed in the launchpad and made available to the KNX system on request. An integrated camera as well as the specially adapted microphone and loudspeaker unit offer optimal conditions for the use of your Video Intercom system. Designed for standard flush-mounted use, the HTS10 is also suitable for retrofitting.

# TOUCH PANELS HTS10



## FULL OVERVIEW IN THE LAUNCHPAD

The Launchpad of CUBEVISION 2 was adjusted especially for **HTS10**. Values of the temperature, eCO<sub>2</sub>, humidity and brightness sensors are clearly displayed. **HTS10** and CUBEVISION 2 work hand in hand: Lighting, ventilation and temperature control are adapted exactly to your needs. Thus this dream team always ensures the perfect feel-good climate in your Smart Home.



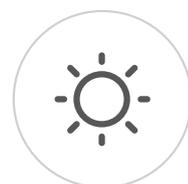
Humidity



Temperature



eCO<sub>2</sub>



Brightness

# TOUCH PANELS HTS10



## MODERN DOOR COMMUNICATION PERFECTLY STAGED

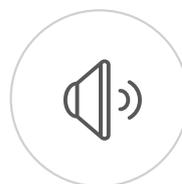
Together with the **INTERCOMM**MODULE, you integrate a large number of video doorphones in **HTS10**. An additional indoor station can be omitted or replaced. If the doorbell rings, the video image of the door intercom opens on the **HTS10**. Mechanical buttons on the **HTS10** now automatically provide the functions for communication and control.



Microphone



Camera

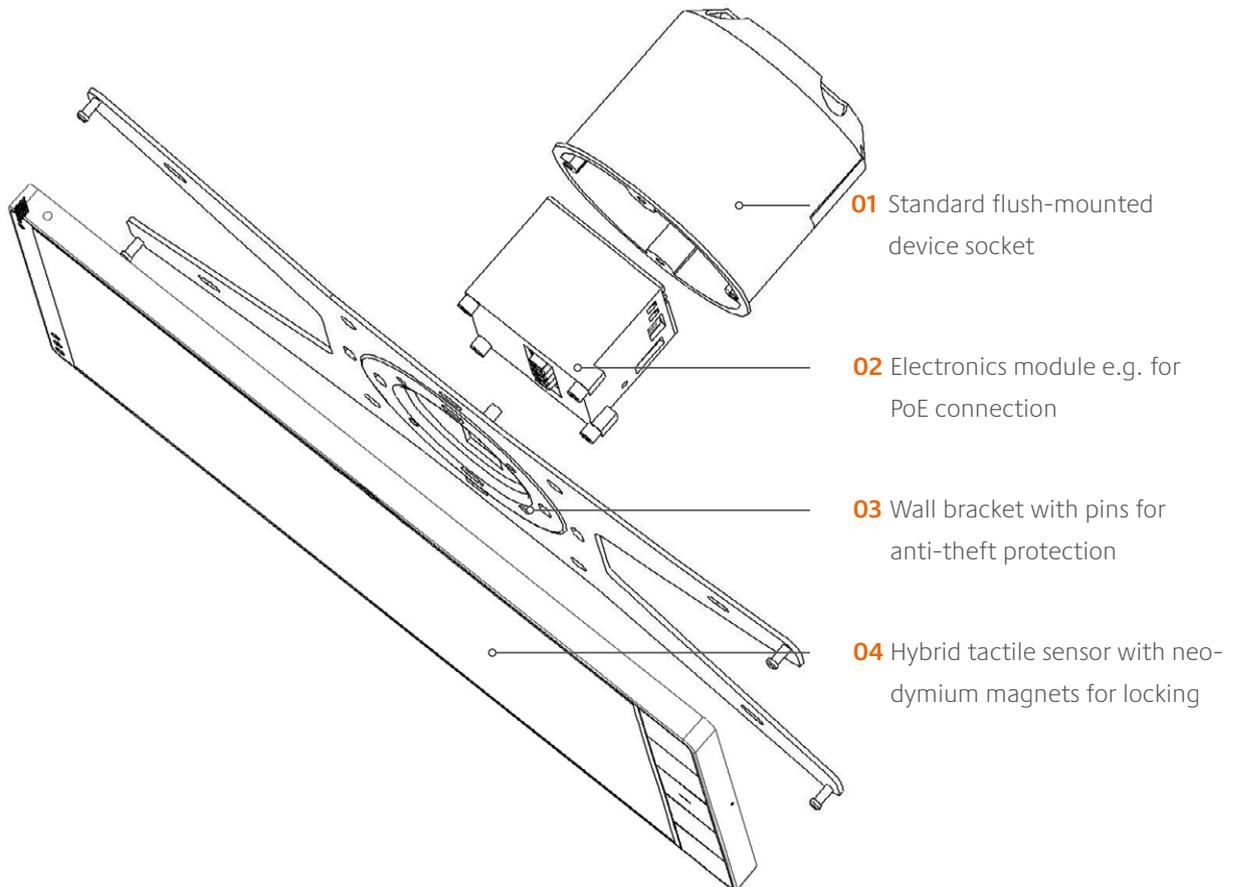


Speaker



Mechanical buttons

## TECHNICAL SPECIFICATIONS



|                             |  |
|-----------------------------|--|
| <b>Power supply:</b>        | 10–32 V / 4–12 Watt (optional PoE)                   |
| <b>Display:</b>             | 1920 x 1200 pixels Full-HD LCD                       |
| <b>Display brightness:</b>  | 400 cd/cm <sup>2</sup>                               |
| <b>Operating surface:</b>   | Capacitive touch display                             |
| <b>Operating keys:</b>      | 5 mechanische keys                                   |
| <b>Audio:</b>               | Internal microphone, internal speakers               |
| <b>Video:</b>               | Internal camera, 1920 x 1080 pixels                  |
| <b>Network:</b>             | WLAN, Bluetooth (optional LAN)                       |
| <b>Status display:</b>      | RGB-LED  |
| <b>Sensors:</b>             | Temperature, humidity, eCO <sub>2</sub> , brightness |
| <b>Processing unit:</b>     | Quad-Core, 16 GB Flash, 4 GB RAM                     |
| <b>Ambient temperature:</b> | 0° C – 45° C   |
| <b>Operating system:</b>    | Google® Android®                                     |

|                |  |  |
|----------------|--|--|
| Art. no. 04112 | HTS10 Hybrid Touch Screen Black            |  |
| Art. no. 04151 | LAN connection module (in preparation)     |  |
| Art. no. 04150 | PoE connection module (in preparation)     |  |
| Art. no. 35425 | Flush-mounted switching power supply 230 V |  |

# ACCESSORIES **SDMODULE**



## SDMODULE

In modern building system technology, more and more devices are appearing on the market that offer the possibility of exporting data or accessing external data. However, it happens again and again that these USB storage media or interfaces are located behind a protective cover and are therefore not readily accessible. The **SDMODULE** is designed for these cases. It is connected to the USB port behind the protective cover. The SD card slot on the front panel gives the user access to the storage media without having to remove the installation hub's cover. In combination with an SD card, the **SDMODULE** acts as a storage medium for the camera archive of the **EIBPORT**.

## TECHNICAL SPECIFICATIONS

- Climate resistant: EN 50090-2-2
- Ambient temperature: 0°C up to +35 °C
- Relative humidity (non-condensing): 5 % to 80 %

### Mechanical data:

- Mounting: MDRC 1 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

### SD card:

- Secure Digital 2.0
- HS-SD and SDHC

### Interfaces:

- USB-B connector (behind the cover)
- SD card slot (on the front)

### Special features:

- High-quality SD card slot with push-push mechanism
- Operating status display

### Product categories with USB connection behind the cover:

- KNX analysis tools
- Visualisation gateways
- Multimedia components
- Data recording
- Controllers and I/O modules for building infrastructure (e.g. Phoenix Contact)

Art. no. 35511

**SDMODULE**



## POWER SUPPLY

The switching power supplies of the PS series are designed according to the flyback converter principle. These products have a high efficiency and a minimum idle power (standby). They have been developed for installation in house, building and industrial automation applications and are mainly used in electrical distribution systems where high reliability is required. The output voltage of these products is regulated within

a tolerance of  $\pm 3\%$ , with load variations of 0 - 100 % and with supply voltage fluctuations of  $\pm 15\%$ .

## Technical specifications

- Safety standard EN60950 - UL508
- EMC standard EN55022/B - EN61000-4
- European regulations (CE) CE 2006/95/ECC - 89/336
- Degree of protection IP 20
- MTBF (MIL HDBK217) ~ 100,000 hrs.
- Operating temperature  $-10^{\circ}\text{C}$  /  $+50^{\circ}\text{C}$
- Relative humidity (non-condensing) 5 % to 90 %.
- Overload protection/short-circuit protection/electronic overvoltage protection
- LED display of the operating status
- Colour Grey Ral 7035
- Connection via screw terminals (up to 2.5 mm<sup>2</sup>)
- Primary side: two terminals (N, L)
- Secondary side: four terminals (2 x plus, 2 x minus)

### Accessories for PSM2 / 18.12:

Accumulator ADP 9 12 4AH  
Battery for emergency power supply of the EIBPORT for min. 6.5 h at a load of 5W.  
Art. no. 35411

# ACCESSORIES Power Supply



|                           | PSM2/18.12   | PSM4/72.24                           | PSM4/96.24          | PSH4/150.24      |
|---------------------------|--|--------------------------------------|---------------------|------------------|
| Input voltage             | 100–240 V AC   | 230 V AC + /-10%                     | 230 V AC + /-10%    | 230 V AC + /-10% |
| Nominal frequency         | 48–63 Hz   | 48–63 Hz                             | 48–63 Hz            | 48–63 Hz         |
| Idle power                | 0.4–0.5 W  | 0.9 W                                | 0.9 W               | 0.9 W            |
| Nominal output voltage    | 12 V DC  | 24 V DC                              | 24 V DC             | 24 V DC          |
| Output voltage tolerance  | ±3 %   | ±3 %                                 | ±3 %                | ±2 %             |
| Output voltage adjustable | 12–14 V DC   | 24–28 V DC                           | 24–28 V DC          | --               |
| Nominal output current    | 1.5 A  | 3 A                                  | 4 A                 | 6.25 A           |
| Nominal power rating      | 18 W   | 72 W                                 | 96 W                | 150 W            |
| Output current limitation | 1.9 A  | 4.4 A                                | 4.4 A               | 6.7 A            |
| Short-circuit current     | 2.5 A  | 4.7 A                                | 4.7 A               | 7.3 A            |
| Efficiency                | 80–85 %  | 90 %                                 | 90 %                | 95 %             |
| Housing MDRC              | 1 MW   | 4 MW                                 | 4 MW                | 4 MW             |
| Suitable for              | <b>EIBPORT,</b><br><b>CUBEVISIONMODULE,</b><br><b>DATALOGGER,</b><br><b>KNXCONVERTER,</b><br><b>DUODMX GATEWAY,</b><br><b>AUDIOMODULE LINE,</b><br><b>APPMODULE,</b><br><b>LINKMODULE,</b><br><b>INTERCOMMMODULE,</b><br><b>LOGIKMODULE,</b><br><b>HTS10</b> | <b>AUDIOMODULE</b><br><b>SPEAKER</b> | <b>SMARTSURFACE</b> | <b>AUDIOAMP</b>  |

|                |   |  |
|----------------|---|--|
| Art. no. 35421 | POWER SUPPLY PSM2/18.12                               |  |
| Art. no. 35423 | POWER SUPPLY PSM4/72.24                               |  |
| Art. no. 35424 | POWER SUPPLY PSM4/96.24                               |  |
| Art. no. 35426 | POWER SUPPLY PSH4/150.24 (NEW: Replacement for 35422) |  |

# ACCESSORIES Accumulator ADP 9 12 4AH



## ACCUMULATOR ADP 9 12 4AH

With the accumulator «ADP9», in conjunction with our 12 V power supply unit, you can realise a cost-effective emergency power supply – for example for the EIBPORT. In the event of a power failure or voltage interruption, this ensures the supply

of power for at least 6 hours (at a load of 5 W). The battery is designed for top hat rail mounting and has an integrated fuse to protect the battery.

## TECHNICAL SPECIFICATIONS

- Output voltage 12 V DC
- Battery 4.0 Ah (Sealed lead-acid battery from Panasonic®)
- Safety standards/EMC standards EN60950 / EN55022B / 2006-95-ECC 89-336
- Relative humidity: 5 % to 90 %.
- Ambient temperature: -10°C to +40°C
- Function displays LED
- Mounting: MDRC 9 MW
- Housing: Plastic
- The PSM2/18.12 power supply unit is required for charging.

### Accessories:

35421 Power Supply PSM2/18.12  
DIN rail power supply 12–14 V DC / 1.5 A











*everywhere at home*



**BAB TECHNOLOGIE GmbH**

Hörder Burgstraße  
44263 Dortmund  
Germany

**Phone:** +49 231 476425-30

**Fax:** +49 231 476425-59

**Mail:** [info@bab-tec.de](mailto:info@bab-tec.de)

**Internet:** [www.bab-tec.de](http://www.bab-tec.de)