eNet SMART HOME

18

Information for electricians
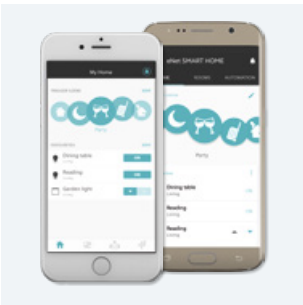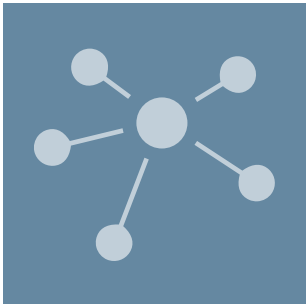
Welcome to the eNet SMART HOME.

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eNet Alliance
Added value with strong partners

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A system for more comfort

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eNet becomes eNet SMART HOME

Two worlds, one system: The familiar eNet wireless system has now become eNet SMART HOME. This is the extended expansion stage for advanced and convenient operation using a smartphone, either locally or remotely, and safe, fully encrypted communication. Base: the eNet Server. For more security and convenience in use. For simpler installation.

eNet SMART HOME connect
This is the browser-based set-up interface for installers. It links the eNet transmitters to the actuators and carries out and/or defines settings and diagnoses.

eNet SMART HOME app
The app is available in Android and iOS versions and enables operation of the eNet SMART HOME facility through a smartphone. Simple operation takes place through the home network or through remote access over the internet.

eNet SMART HOME remote
The home under control at all times: Even when away, the user always retains access to their eNet installation with the eNet SMART HOME app. Up to eight end devices can be used with one registration.
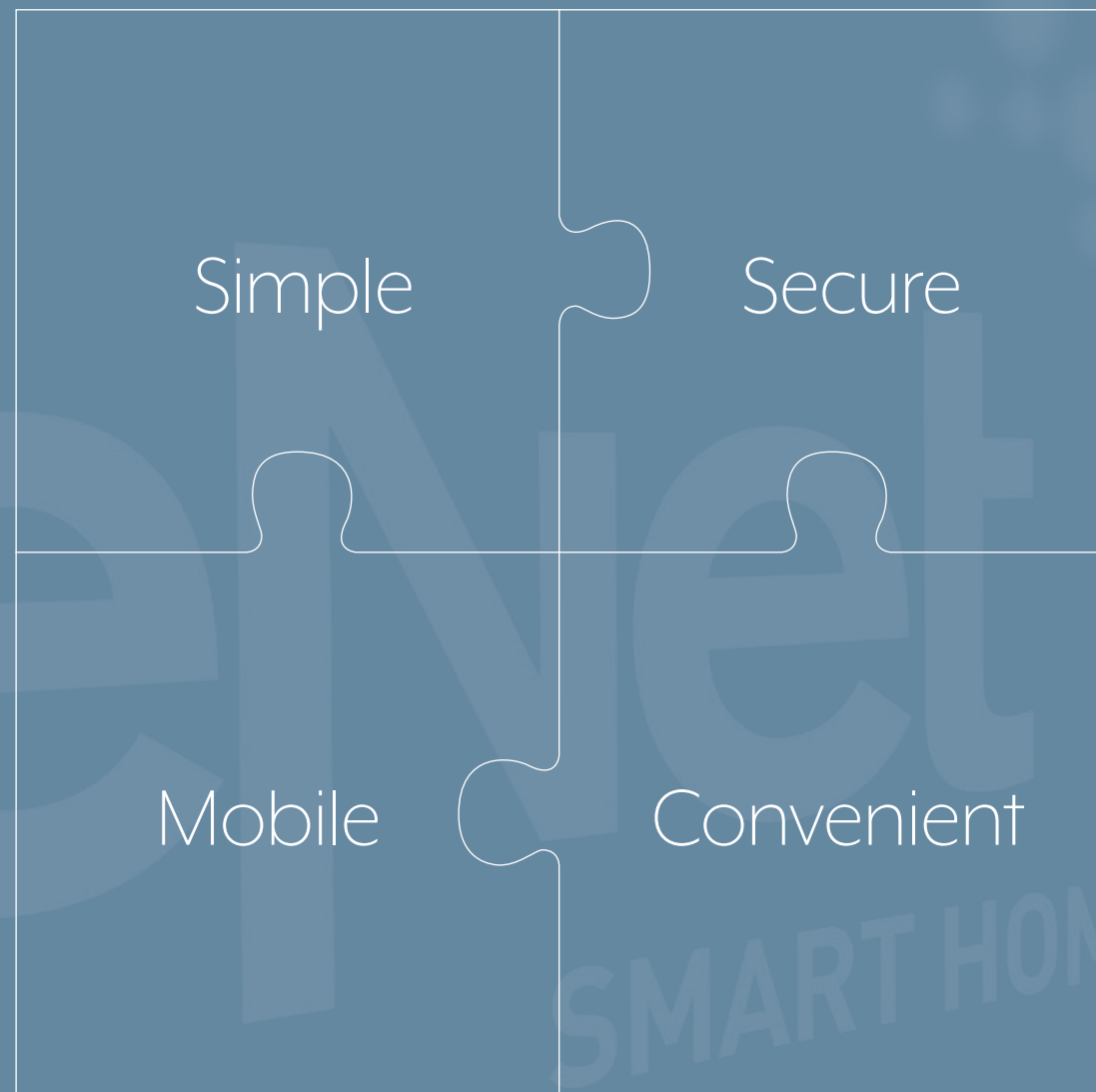
eNet SMART HOME secure
The eNet SMART HOME is protected by targeted security measures. These include data security, the server location in Germany and protection against manipulation as well as pre-encrypted radio transmission.

Simple

Secure

Mobile

Convenient

In order to be able to offer the users more added value with eNet SMART HOME, we rely on an alliance of strong partners. Together with other brand-name manufacturers, we are therefore consistently extending the functionality of the eNet system.

Strong alliance

BACH MANN

SSS SIEDLE

BRUMBERG

GIRA

JUNG

STEINEL PROFESSIONAL

HÄFELE

tado°
PROFESSIONAL

eNet SMART HOME will meet all the demands of modern building automation. By networking the competencies of different manufacturers in an alliance, the user has a maximum number of clever solutions available for their home. In this way, they can not only control lighting and shade with the eNet SMART HOME, they can also include its heating control. Quality unified under a future-proof system standard. Operate cross-functionally with just one app. And: competently advised, installed and maintained by professionals. Can be updated at any time and adapted to new situations.

Clear advantages

eNet SMART HOME, with its systematic structure, supports the specialist tradesperson just as much as the builder and moderniser. Architects profit as well from the advantages of the smart radio system.

SPECIALIST TRADESPEOPLE

A growing, future-proof system creates customer loyalty.

Fast installation of the familiar devices and simple commissioning using a browser-based tool.

The future principle: Integration of new applications into existing systems.

The brand principle: Established manufacturers as partners increase the function possibilities.

The service principle: Build up customer loyalty – from the first consultation to retrofitting.

The trust principle: Data security as persuasive argument for customers.

Customers can set up applications such as schedules and group functions individually with an app.

On request, with the agreement of the customer, it is possible to set up remote access to the eNet system.

BUILDER/MODERNISER

Not only the home, but also a rental apartment or the new extension can be equipped or retrofitted.

The future principle: Adapts flexibly to life, including changed conditions or moving house.

The brand principle: A quality-conscious system with components from brand-name manufacturers.

The service principle: Trained specialists as contact partners for consultation, planning, implementation and support.

The trust principle: Encrypted communication and software updates make the system permanently secure.

The function principle: A simple-to-operate system for all ages.

Intuitive operation: Simple control is ensured from anywhere with the app.

Low installation work leads to reduced costs.

ARCHITECT

Quality system for every type of building; simple retrofitting for existing structures.

The future principle: Protection of the investment with future-proof system standards.

The brand principle: The promise of quality from strong brand partners in the eNet Alliance.

The service principle: Working with competent partners who understand the whole building and not just the system.

Simple set-up

eNet SMART HOME connect
Browser-based commissioning interface
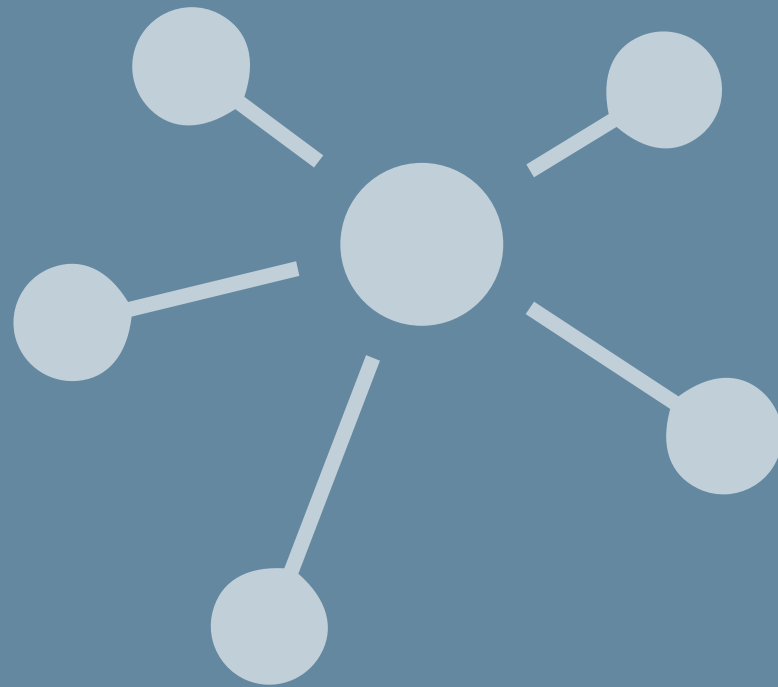
The browser-based eNet SMART HOME connect set-up interface is already integrated in the eNet Server. This is used to conveniently conduct the allocation of devices, functions and installation at a monitor. The documentation and processing of created projects is easily done. As soon as the computer and the eNet Server are connected with each other, the application can be started.
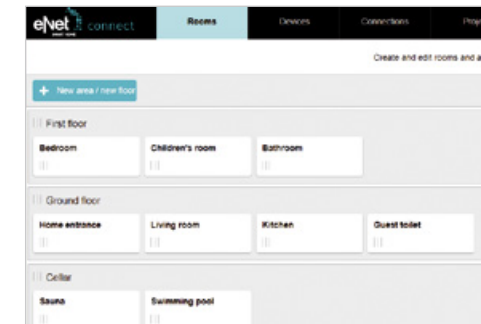

CREATING ROOMS

The rooms for a project are created first. These can be freely named. Careful structure planning is important here, as this is reflected 1:1 in the visualisation.
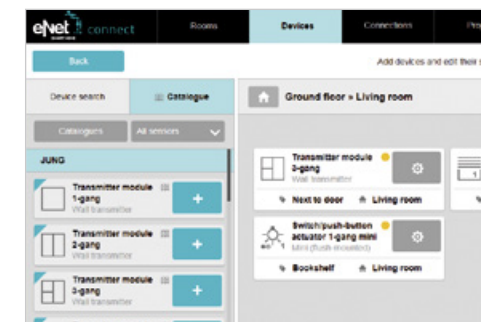

FINDING DEVICES AND ALLOCATING TO ROOMS

To add devices from the eNet system to the project, the device search is run. In this way, all devices in learning mode or that have been connected to the electrical supply in the last few minutes are found and displayed. Afterwards, the devices can be allocated to rooms and the device channels named individually as appropriate to their use.
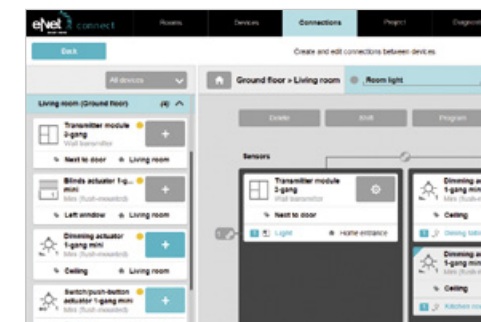
MAKING CONNECTIONS

Now, actuator and sensor channels are allocated to each other and connected functionally. The devices connected in this way communicate with each other directly when operated, which results in a very robust, fail-safe function.
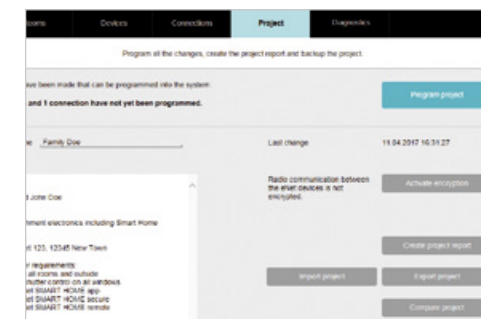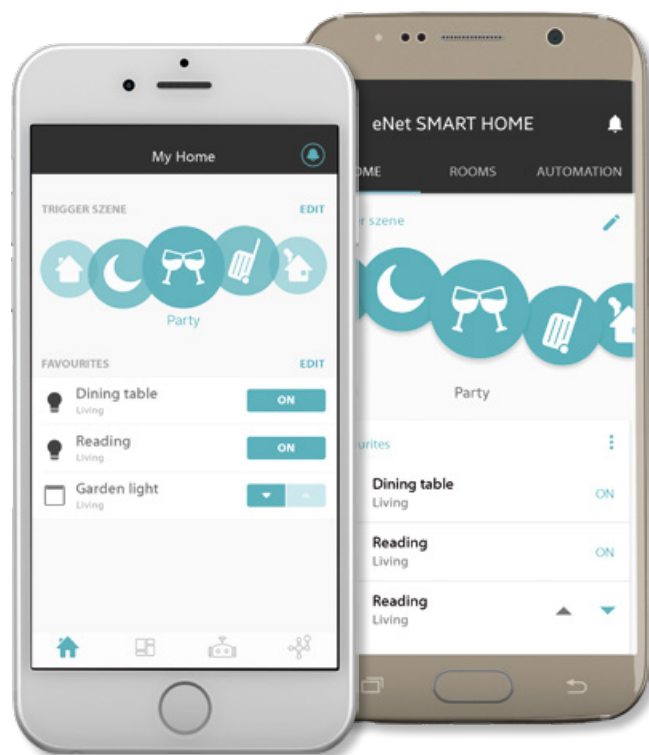

WRITING AND EXPORTING PROJECTS

In the final step, the project design data are written to the devices. The app visualisation is generated automatically. In addition, the electrical installer can export the project, use it as a backup or as a template for future projects.

**eNet SMART HOME app**
Free for iOS and Android

eNet
SMART HOME

Everything under mobile control

Control the eNet SMART HOME from anywhere? Simply mobile with the app – whether in your own WLAN or by remote access. Including all settings affecting the Smart Home. Base: the eNet Server. With this, the user can not only trigger individual functions and scenes, but also specify schedules, if-then rules, energy management and access rights.
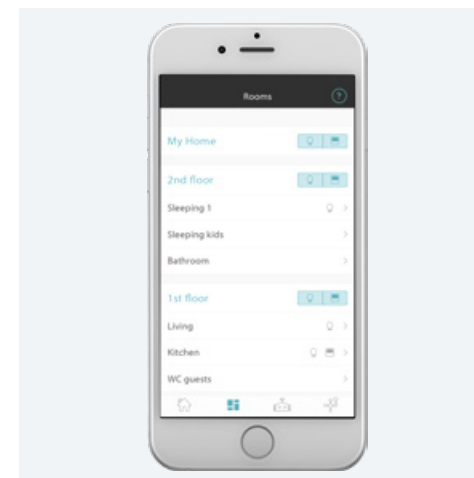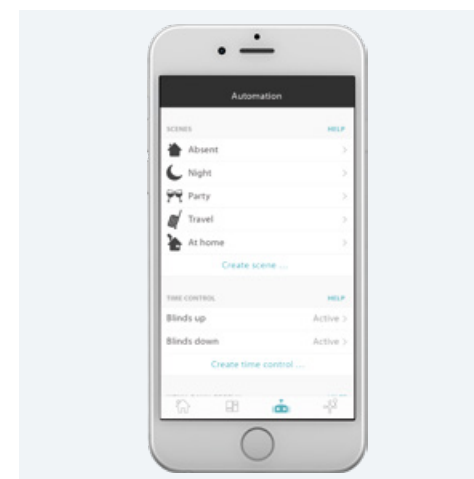

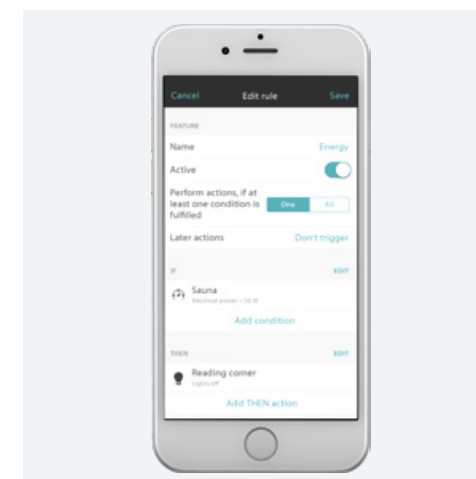**ROOM OVERVIEW**
Display all rooms with their functions
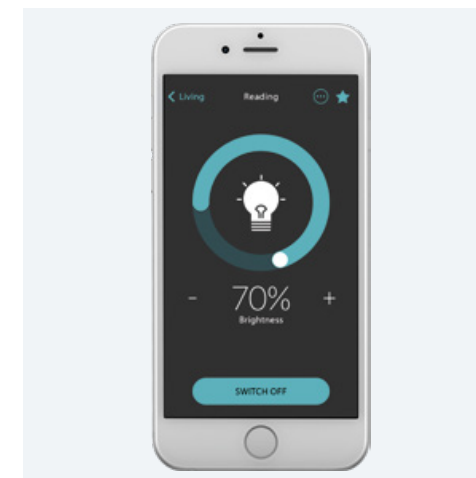
INTUITIVE OPERATION
Simply record and control all functions
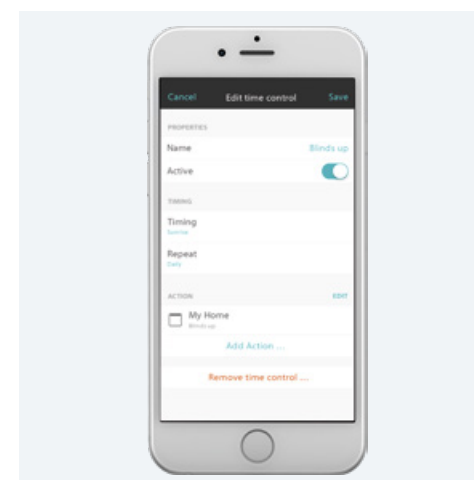

SCENES
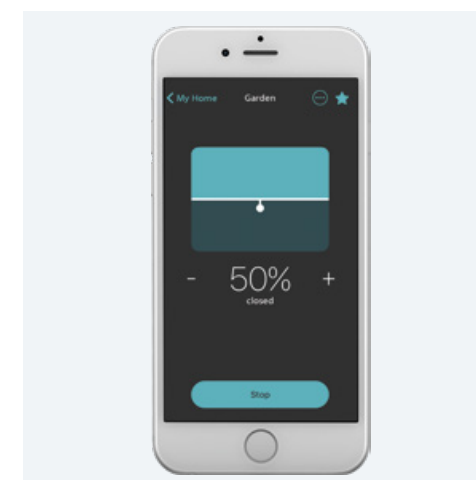Combine functions for comfort scenes

IF-THEN RULES
Program event-dependent functions

SCHEDULES
Create timed function sequences

TRIGGERING FUNCTIONS
Fingertip operation of all individual functions

At home or travelling: With the eNet SMART HOME app and remote, the users always have their home under control. As soon as the eNet remote access is activated, you can control your Smart Home from anywhere. The user interface is adapted to iOS and Android respectively – which means using it is familiar for the user and thus completely intuitive. It doesn't matter if the user is in their own living room or on a distant beach in the South Seas. By the way: up to eight end devices can be used with one eNet SMART HOME remote registration.

eNet SMART HOME – simple everywhere

VDE
Smart Home
Information security
tested
Backend API
www.VDEinfo.com
ID. 40046690

Secure communication:
The information security
of the remote access
eNet SMART HOME
(backend API) has been
checked by the VDE.

My home

ACTIVATE SCENE   EDIT

Absend

FAVORITES   EDIT

Ceiling light
Children's room   ON

Desk lamp
Children's room   ON

Dining table
Living room   ON

Floor lamp
Living room   ON

20,0° Kitchen
Kitchen   ON

My home   Rooms   Automation   System

Secure communication

eNet SMART HOME secure
Measures for data security

Data security is more important than ever these days. Therefore, it is a priority in the eNet SMART HOME and is ensured with a package of measures. For more security and a good feeling for the user.
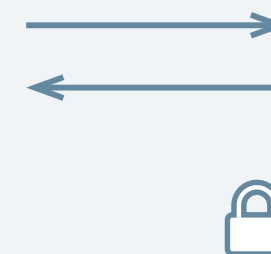
FULLY ENCRYPTED WIRELESS TRANSMISSION

Both in the local network and for remote access

GERMAN SERVER LOCATION

Data protection in accordance with German law

PROTECTION AGAINST MANIPULATION

Locking of the programming function on devices

INDIVIDUAL DEVICE KEY

Automatically allocated, individual keys – no manual entry

The complete wireless traffic between devices in the eNet SMART HOME system is encrypted, both in the local network and for remote access. All internet services are also only handled via servers located in Germany. After commissioning and activation of all protective measures, changes in the system can only be made by authorised users using the password-protected commissioning interface. All encryption uses individual device keys that are not visible to the installer or the user. The eNet Security Cloud Service provides the required key so that entry is neither manual nor, for example, with a scanned QR code.

eNet and eNet SMART HOME

eNet and eNet SMART HOME stand for both expansion stages in modern, wireless-based, electrical installation.

Optimised for new constructions and for retrofitting, the system adapts to all demands. The eNet is the technical device standard for wireless networking, and at the same time offers the basis that can be transformed into the eNet SMART HOME world by adding an eNet Server.

Characteristics and properties

eNet and eNet SMART HOME are distinguished by various properties. Some of these apply to both systems, while some appear solely in the individual expansion stage. Here is an overview:

|	eNet	eNet SMART HOME
Encrypted communication	–	✓
Manual commissioning	✓	–
Commissioning with eNet SMART HOME connect	–	✓
Operation with smartphone	eNet IP Gateway app (pre-requisite: IP Gateway)	eNet SMART HOME app
Scenes:		
• Calling	✓	✓
• Changing values	✓	✓
• Adding/removing devices	–	✓
Automatic functions:		
• If-then rules	–	✓
• Timer	–	✓
Setting device parameters	(configuration possible using eNet Server)	✓
Locking functions	(only with hand held transmitter with display)	✓
Threshold functions	(only with sunlight/ dawn sensor)	✓
Priority control	(only with hand held transmitter with display)	✓
Lock-out prevention	(only with hand held transmitter with display)	✓
Updating software	–	✓
Backing-up project data	–	✓
Documenting project	–	✓
Recording telegrams	–	✓
Measuring signal quality	(only with diagnosis device)	✓
Remote access with app	–	✓

AS 500

Standard program in ivory

A CREATION

With glass frame in white

CD 500

In platinum (anodised aluminium)

LS 990
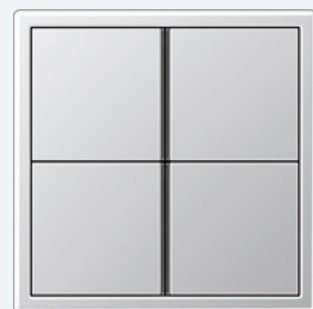
Metal version in aluminium

Large push-buttons mark the design of the F 40 wall transmitter in the single to 4-gang designs. With the clear symbols, the function allocation is self-explanatory – simple to create with the JUNG Graphic Tool at jung.de/gt. Available in the complete variety of the AS, A, CD and LS ranges.
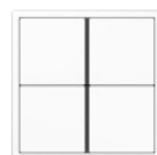
1-gang

2-gang

3-gang

4-gang

eNet in JUNG design F 40

Aesthetic design meets a simple operating concept: The F 40 eNet wall transmitters in the flat design rely on natural materials and large control keys for convenient operation.

WALL TRANSMITTER IN LES COULEURS® LE CORBUSIER
Worldwide exclusive in 63 colours

Les Couleurs®
Le Corbusier

eNet in JUNG design F 50

When the design makes the operation self-explanatory: the
F 50 eNet wall transmitter. High-quality materials and clear
forms complement the concept with style. They can simply
be placed where they are needed.

AS 500
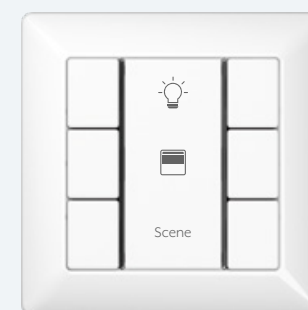
Standard range in white

A CREATION

With glass frame in black

CD 500

In black plastic

LS 990

The classic design in aluminium

On the concise information area, the F 50 wall transmitter provides plenty of space for individual marking with the graphic tool. Operation is then via the keys arranged at the side. In the variety offered by the JUNG design, they cut a good figure in every ambience.

1-gang   2-gang   3-gang   4-gang

tado°
PROFESSIONAL

With the smart and energy-efficient tado° heating controller, functions across trades can be implemented in the eNet SMART HOME. For example, when leaving the house, the heating switches automatically to standby mode, shutters are closed and the lights in all rooms are switched off.

Smart temperature control

TADO° SMART THERMOSTAT PROFESSIONAL

The smart thermostat controls the floor heating or the heating system based on presence, weather and schedule. Additional smart thermostats enable multi-zone control. With the app, the residents have control over their heating at all times. That means convenience, security and a saving of up to 31% on the heating costs.

TADO° SMART RADIATOR THERMOSTAT PROFESSIONAL

An existing thermostatic radiator valve can easily be changed for the smart radiator thermostat. The intuitive operation on the device or mobile with the app makes the heating control simpler, more efficient and more convenient.
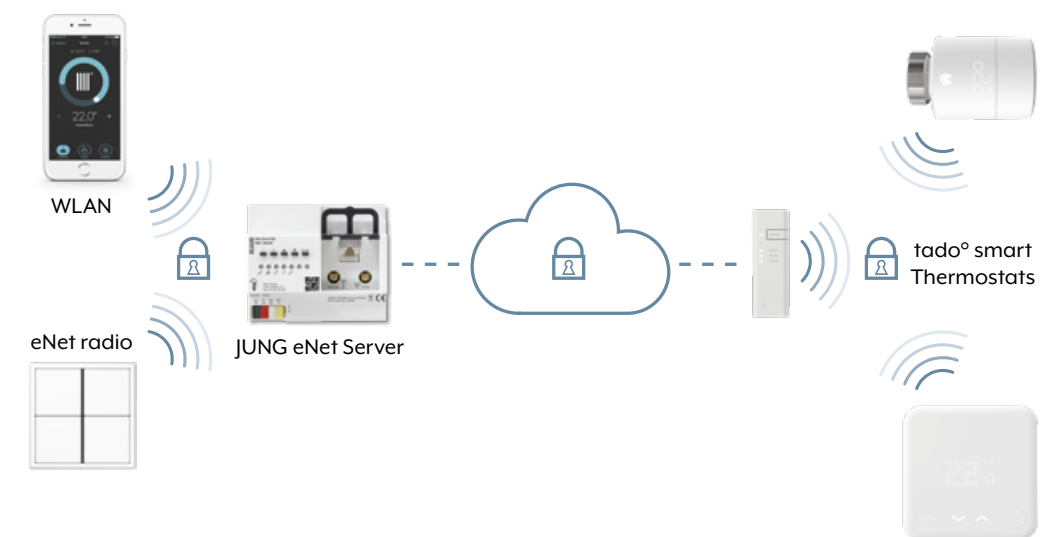
TADO° EXTENSION KIT PROFESSIONAL

The Extension Kit is needed to connect the Smart Thermostat to a weather-compensated heating without a room thermostat, or for wireless room thermostats. It then works as a wireless receiver on the heating system.

eNet CONNECTION OF tado° PRODUCTS

WLAN

eNet radio   JUNG eNet Server   tado° smart Thermostats

All tado° Professional devices communicate wirelessly with the Internet Bridge, which is plugged in to the router and connects to the Internet and the eNet Server. The heating can then be operated using the eNet SMART HOME app, the eNet transmitter or the tado° Automatic.

eNet Server
The basis for the eNet SMART HOME

The heart of the system

The eNet Server is the centre of the eNet SMART HOME. It allows programming, visualisation and control of all functions. It also networks the individual eNet devices. Its integrated software, eNet SMART HOME connect, serves as the commissioning tool for the whole system.

The eNet transmitters

In various types of houses, depending on application, the eNet transmitters convince with functionality and ease of use. As a result, the user has the household under control.

WALL TRANSMITTERS

Wall transmitters in the JUNG design in the 1 to 4-gang design for transmitting switching, dimming, blind and scene commands: With their flat design, they are simply glued to the desired position in the room – whether it is plaster, wood or glass.

F 40 4-gang

F 50 4-gang

HAND-HELD TRANSMITTER

With hand held transmitters in four designs, functions and scenes can be remotely controlled throughout the house. The hand transmitter with display informs about the respective status in clear text and is easily operated with large buttons. In addition, there are three other versions without a display.

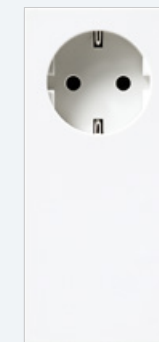With display

4-channel

2-channel

1-channel, toggle

ENERGY SENSORS

The energy sensors are used to measure performance and for energy consumption checks. The consumption display is via the eNet app on a smartphone.

Radio energy detector

Radio energy detector in SCHUKO housing

Radio energy detector, 4-channel, for rail mounting

BRIGHTNESS DETECTOR

Sun protection function, twilight function and temperature-related sun protection: The wireless, solar-powered detector measures brightness and temperature.
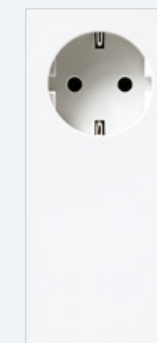
GATEWAY IN PLUG ADAPTER HOUSING AND REPEATER

This gateway connects eNet and JUNG Radio Management: Ideal for retrofitting and the extension of existing Radio Management systems. The repeater on the other hand extends the reach of eNet radio signals.
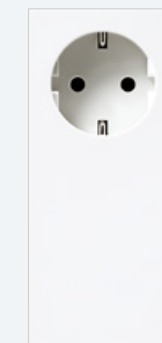
Gateway in plug adapter housing

Repeaters

UNIVERSAL TRANSMITTER

With the compact universal transmitter, conventional 230V switches can be made wireless.

IP GATEWAY

In connection with the IP Gateway app, this gateway is used to control eNet actuators with a smartphone. Suitable only for use in your own WLAN.

The eNet receivers

The eNet receivers are also available in various designs. They can be installed according to application needs and local conditions.

RADIO SYSTEM COVERS

With the radio system covers, components from the proven JUNG light and blinds management are integrated into eNet.

Light Management cover

Blinds Management cover

FLUSH-MOUNTED ACTUATORS

With the eNet flush-mounted actuators, the operating mode can be simply selected with a switch. The compact design is ideal for installation in flush-mounted sockets or in the eNet flush-mount housing, in false ceilings or canopies. Using the mini installation adapter, it is also possible to install in a control cabinet.

Switch/push-button actuator 1-channel

Switch/push-button actuator 1-channel, with floating contact

Switch/push-button actuator 2-channel

LED universal dimmer 1-channel
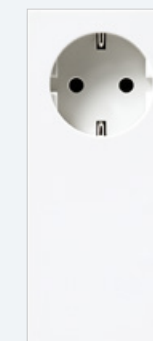
Blinds actuator

Control unit 1-10 V

DALI control unit

SWITCH ACTUATOR IN SCHUKO HOUSING

In its plug adaptor design, the switch actuator is a solution for turning lighting on or off that can be implemented particularly flexibly.

RAIL-MOUNTING ACTUATORS
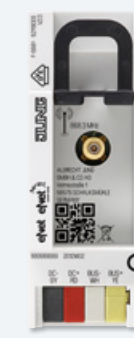
For simple one-man commissioning, the eNet rail-mounting actuators for control cabinet installation have an operating mode switch, a local panel operating button and appropriate display LEDs.

LED universal dimmer 1-channel

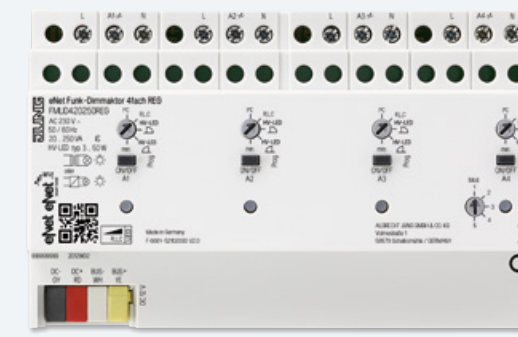Switch/push-button actuator 8-channel, blinds actuator 4-gang

Master receiver

Blinds actuator

Switch/push-button actuator 1-channel

LED universal dimmer 4-channel

Living in an eNet SMART HOME

DIMMED LIGHT IN THE BATHROOM AND IN THE CORRIDORS AT NIGHT

Nobody wants to be faced with bright light during a night-time visit to the bathroom. The solution: a timer controls the change from normal "daylight" to dimmed "nightlight" in the corridor and the bathroom. When the upper key of the eNet wall transmitter is pressed, the "daylight" rule switches on the light with 100 % brightness, whereas the "nightlight" rule uses 20 %. With the lower key, the "light off" rule is always triggered. The timer control is set to activate the "nightlight" rule at 11:00 pm, and at 6:00 am the "daylight" rule is activated. It's that simple.

2-gang eNet wall transmitter	eNet LED universal dimmer 1-channel	eNet Server	eNet SMART HOME app

eNet Server	eNet switch/ push-button actuator 1-channel

eNet SMART HOME app	4-channel hand-held eNet transmitter

ENET ACTUATORS IN THE DISTRIBUTOR BOX

The eNet actuators control the consumers. In the rail-mounting version, they "disappear" into the control cabinet, where they do their work. The operation of the functions is then either from the eNet SMART HOME app on a smartphone or also with the eNet hand-held transmitter. In this way, the external lighting, the awning, the fountain in the garden pond or the garage door can all be controlled.

ENERGY CONSUMPTION DISPLAY AND LOAD-DEPENDENT SIGNALLING

Everyone has experienced it: the washing machine in the basement has finished its programme and nobody notices in the living area. The solution: the end of the washing programme is signalled by a light in the living room, controlled by an eNet radio switch actuator in a SCHUKO® housing in combination with an if-then-rule. This is triggered as soon as the washing machine programme is finished and its electrical consumption falls below 1 W. In addition, a display of consumption is possible on a smartphone.

eNet Server	eNet SMART HOME app	eNet radio energy detector in SCHUKO® housing	eNet radio switch actuator in SCHUKO® housing

© JENS KALLFELZ

eNet Server	eNet SMART HOME app

2-gang eNet radio wall transmitter	eNet LED universal dimmer 1-channel

WALL TRANSMITTER IN THE ENTRANCE AREA WITH SCENES FOR "CENTRAL OFF" AND "WELCOME"

Are all the lights really off? Now, either you have to check every room, or you live in an eNet SMART HOME. Because, when you are leaving the house, you can switch off the lighting with a wall transmitter with a central-off scene. In addition, a welcome scene can be programmed that switches on the basic lighting in the house when you come home. This can also naturally be operated with the app.

Even more eNet SMART HOME

For more information on the individual products, technical data and training possibilities: on eNet SMART HOME there is a package of documentation and measures for specialist tradespeople.

JUNG WEB SITE

On the JUNG web site you can find all the information on eNet SMART HOME, including brochures, pictures and press articles to download. Clearly presented and illustrated. Naturally also with further links.

jung-group.com

JUNG ONLINE CATALOGUE

The individual items have technical information attached in the JUNG online catalogue that can be viewed and downloaded. You can find operating instructions, tender texts, datasheets, product documentation and more with a mouse click using the Info button.

jung.de/online-catalogue

THE JUNG CATALOGUE APP

The JUNG catalogue app allows eNet product information to be accessed at any time. It includes the complete product range as an overview, including technical data. In the smartphone version, a QR code scanner is integrated. In this way, the QR code on the label of any JUNG product packaging can be scanned and the user linked directly to the item in the online catalogue.

JUNG ACADEMY

The first step to becoming an eNet Service Partner is participation in the eNet SMART HOME basic training. This can be taken either at JUNG or as online training. This is followed by online tutorials where increased knowledge can be attained – clearly explained by the eNet SMART HOME experts.

Measures by the eNet Alliance:

eNet SMART HOME brochure

This brochure offers the electrician an overview of the eNet SMART HOME and the possibilities offered to them in the area of customer acquisition and retention. Naturally including all information on the subject of "eNet Service Partner".

eNet SMART HOME system manual

The comprehensive eNet system manual answers all questions that specialist tradespeople could have on the eNet SMART HOME. The idea and the system are demonstrated comprehensively using individual modules, technical details and functional sequences and clear application examples.

eNet SMART HOME home page

On the eNet SMART HOME internet presence you will find all the contents of the brochure and system manual prepared for online presentation – including further information and links and naturally including the training opportunities for eNet Service Partners.

enet-smarthome.com

JUNG

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