eNet SMART HOME

Control your home conveniently by wireless technology, making changes simple.

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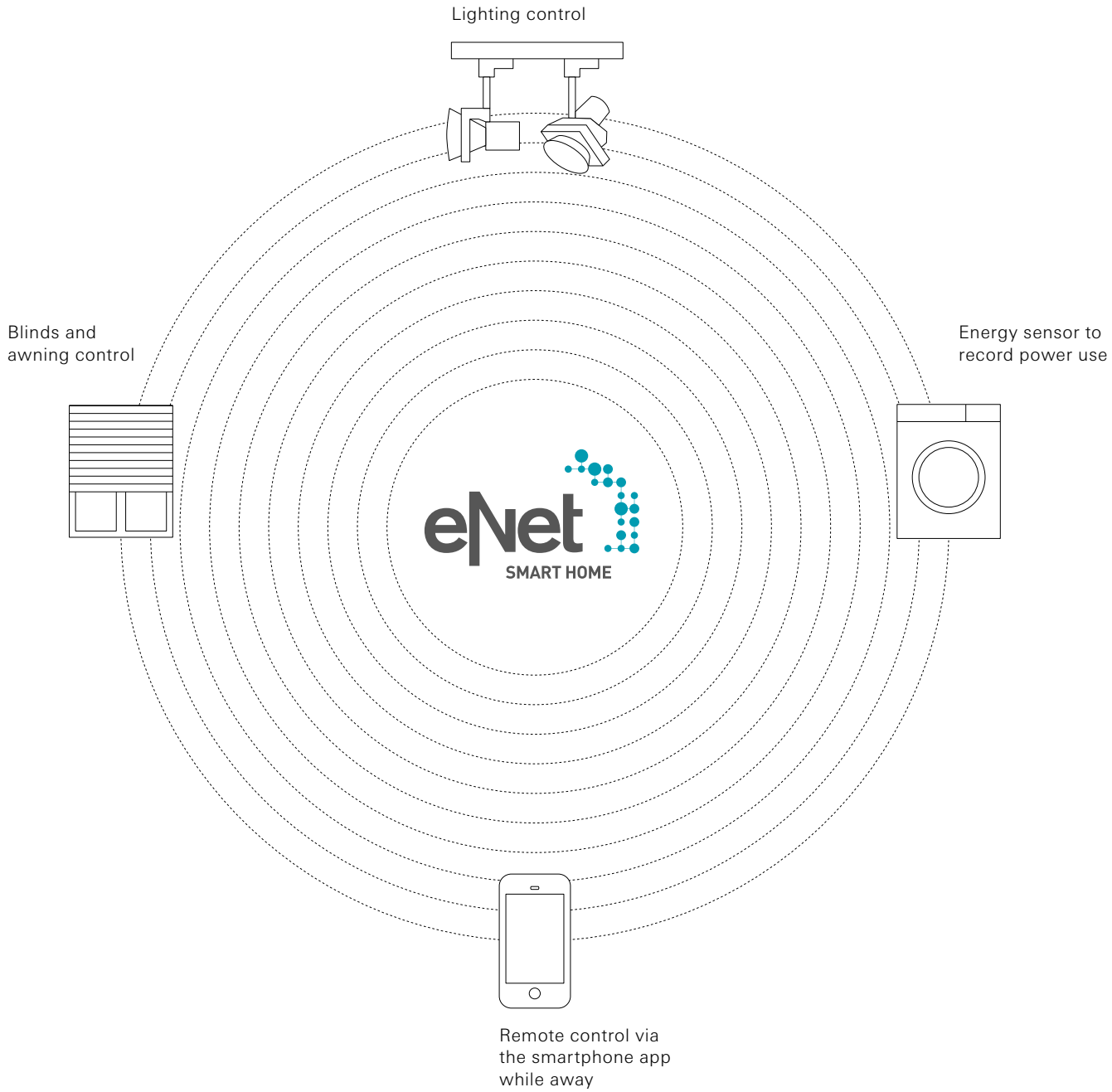
eNet SMART HOME

Operating convenience in two expansion stages

Whether used in new buildings or for modernization – eNet is the future-proof wireless system for smart networking and control of building technology in homes or rental apartments up to 140 square metres. An alliance of leading vendors has developed eNet as a manufacturer-neutral industry standard that has already proven its worth in many households. With eNet SMART HOME, a new expansion stage is now available. It offers the possibility to conveniently control and monitor the building technology via smartphone. At home, on the road and always absolutely secure.

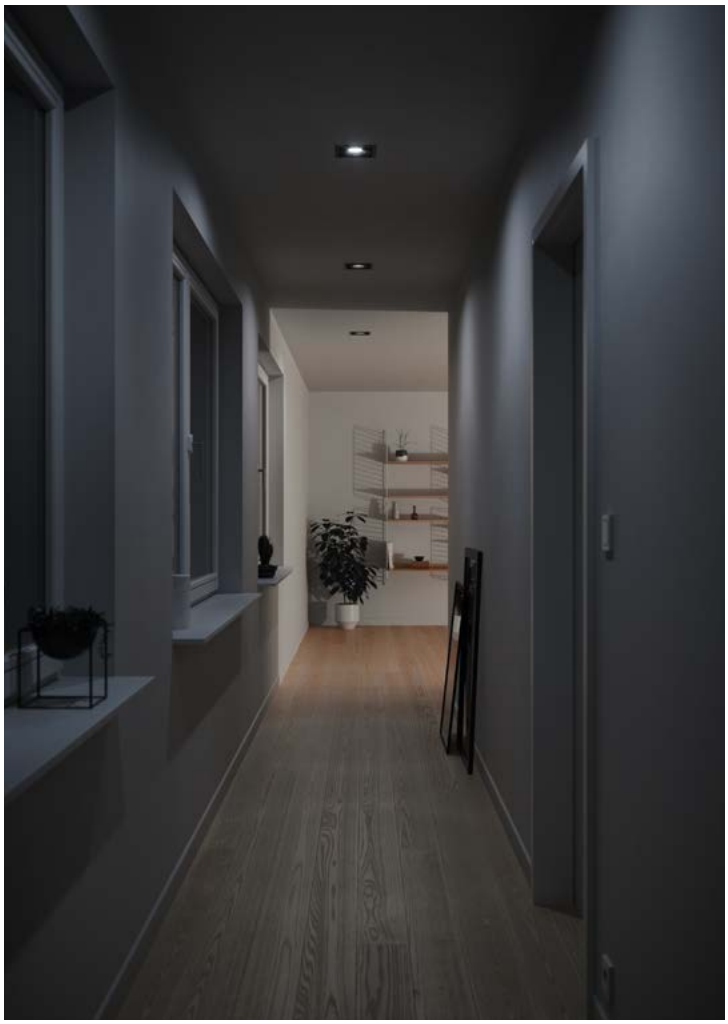


Smart applications for the home

Gira eNet wireless wall transmitter, 1-gang, Gira E2, pure white glossy

Adjust lighting from your bed
From the comfort of your own bed, switch off the lights in the evening and gently dim them up in the morning, so that you are not dazzled by the glaring light: The Gira eNet wireless wall transmitter makes all of this possible.

Application example can be implemented with
◉ eNet*
◉ eNet SMART HOME*



Dimmed light when you have to get up during the night
Never again will you have to get out of bed half a sleep and be dazzled by bright light on your way to the bathroom: Simply operate the Gira wireless wall transmitter as usual – at night the light is slightly dimmed when it is switched on. This is made possible by the Gira eNet server.

Application example can be implemented with
○ eNet*
◉ eNet SMART HOME*

*The difference between eNet and eNet SMART HOME is explained in the table on page 19

Gira eNet wireless wall transmitter, 3-gang, Gira E2, anthracite

Centrally operate blinds
Controlling all blinds in the house at the touch of a button, without having to go through the whole house, is no longer a problem. Simply replace the existing products for blind control with new controls equipped with eNet wireless – and operate all the blinds centrally with the help of the Gira eNet wireless wall transmitter.

Application example can be implemented with
◉ eNet*
◉ eNet SMART HOME*

Conveniently control shading
Open and close blinds, shutters and awnings by timer at specified times - or according to the seasonal sunrise or sunset times: With the eNet SMART HOME app, you can conveniently set up and control everything.

Application example can be implemented with
○ eNet*
◉ eNet SMART HOME*

Gira light profiles of height 769 mm, automatically switched by the Gira eNet wireless sun sensor

Switching on garden lighting at dusk
Even at the end of a long summer's day it starts to get dark sometime. Wouldn't it be nice if the lights turned on automatically at this stage? Thanks to the Gira eNet wireless sun sensor, you do not have to sit in the dark – because it automatically turns on the lights when daylight is no longer sufficient.

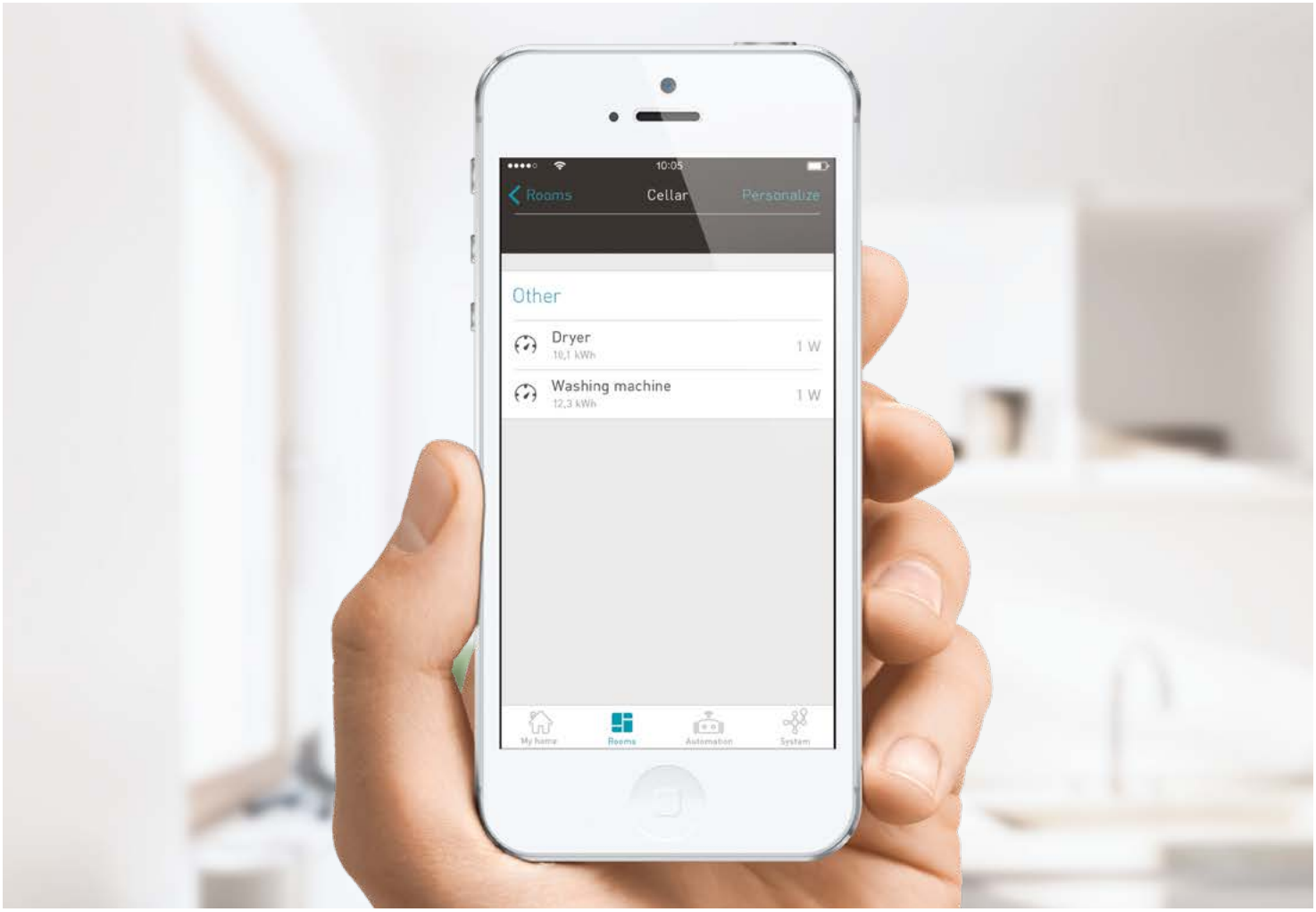
Application example can be implemented with
◉ eNet*
◉ eNet SMART HOME*

*The difference between eNet and eNet SMART HOME is explained in the table on page 19

Gira eNet wireless wall transmitter, 1-gang, as central Off button

Everything at your fingertip
For more safety and less energy consumption: When leaving the house, switch off all lights and selected consumers and at the same time close the blinds – with the help of the Gira eNet wireless wall transmitter, all this can be done with a touch of your finger.

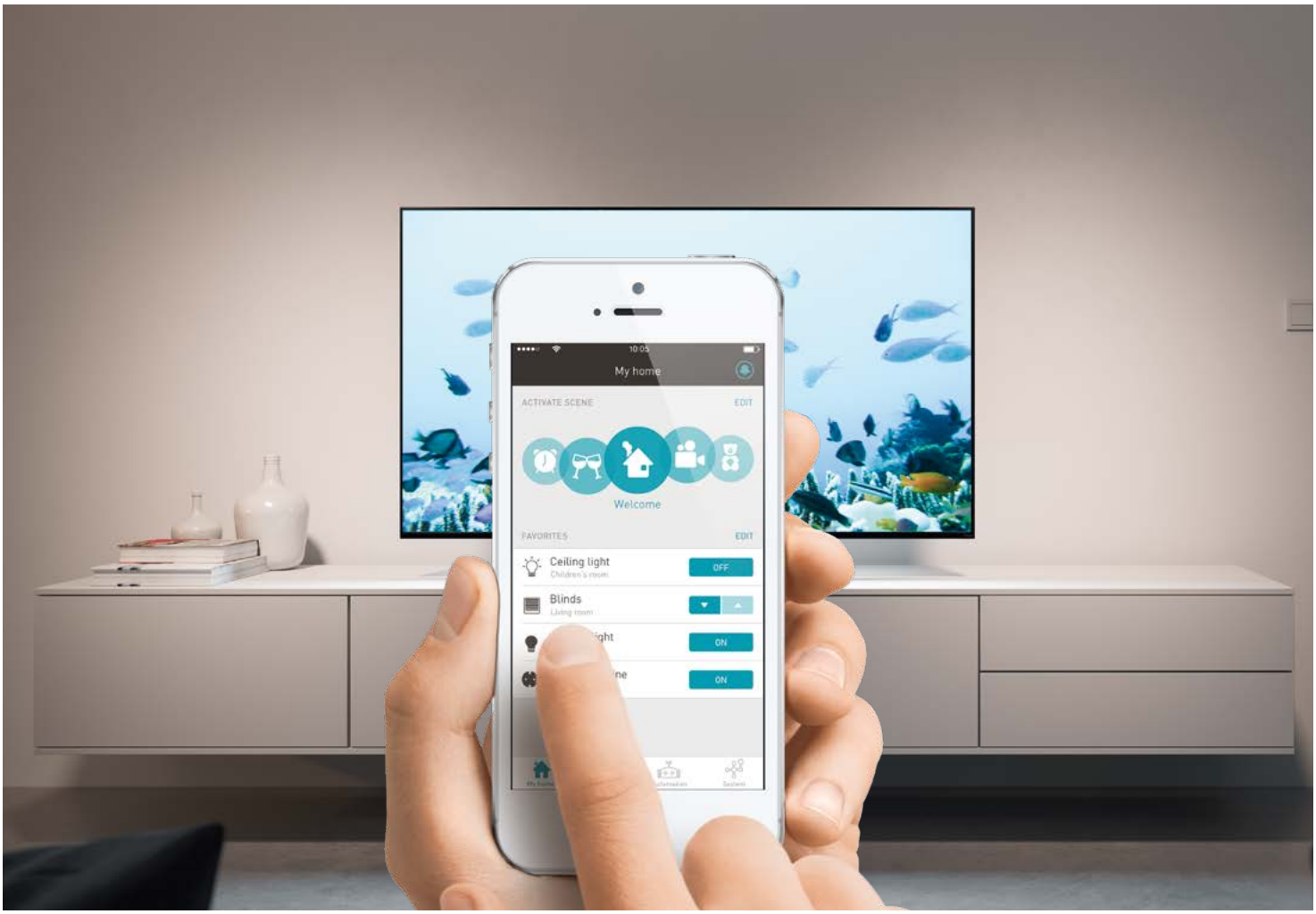
Application example can be implemented with
◉ eNet*
◉ eNet SMART HOME*



Know the very moment when the washing machine in the basement is done with the laundry
How much power is the lighting currently consuming? To which socket outlets are the power guzzlers connected? Thanks to the eNet SMART HOME app, you are always kept in the picture about power consumption in your home. Of course you can also use this to find out whether the laundry in the basement is finished – because when it is, the washing machine stops consuming power. The Gira eNet wireless energy sensors make it possible.

Application example can be implemented with
○ eNet*
◉ eNet SMART HOME*

*The difference between eNet and eNet SMART HOME is explained in the table on page 19



Create the perfect atmosphere for a cosy movie night, right from your sofa
eNet SMART HOME makes it possible to activate predefined room scenarios at the push of a button: Your home will then, for example, adjust the ambient light to a certain level and swapping out shutters for either curtains or blinds. And all this without you ever having to leave the comfort of your sofa.

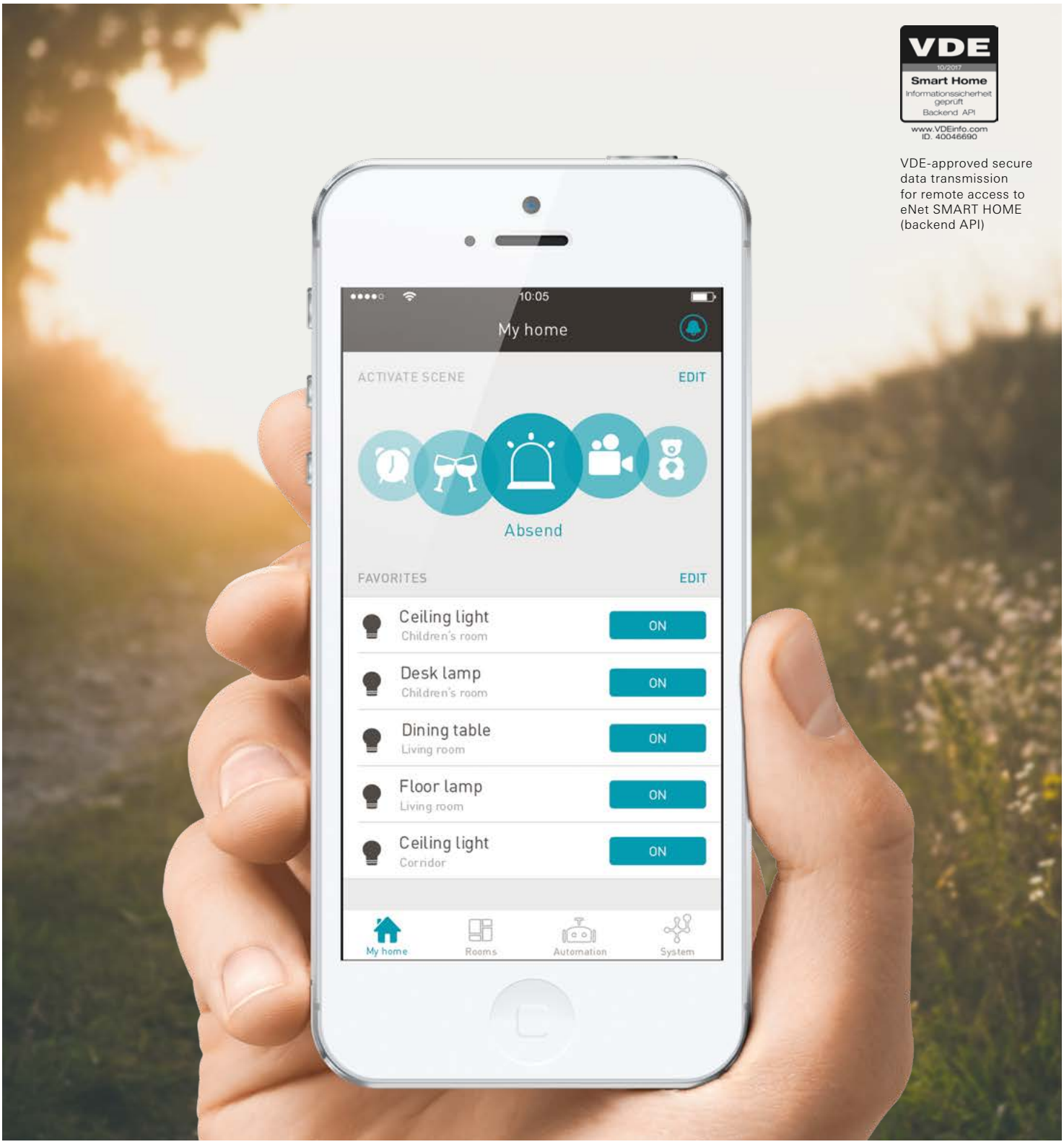
Application example can be implemented with
○ eNet*
◉ eNet SMART HOME*

eNet SMART HOME app

Convenient operation and maximum configuration options

The eNet SMART HOME app is intuitive and makes it fun to manage your home. The controls are always the same – whether you are at home or on the move with remote access activated. With the app, it is possible to activate individual functions and configure various timers, including astro function, scenes and if-then rules. All helping to make life in your home even more comfortable.

eNet SMART HOME app on a smartphone



VDE
10/2017
Smart Home
Informationssicherheit geprüft
Backend API
www.VDEinfo.com
ID: 40046690

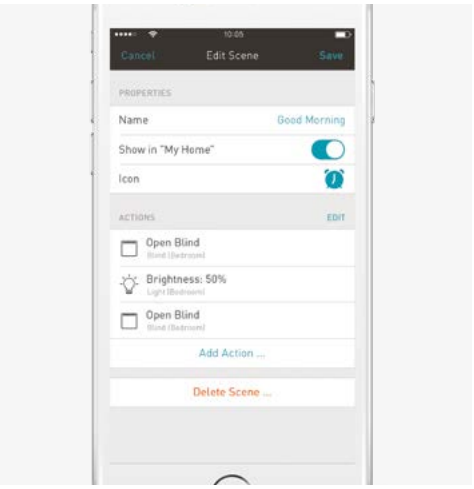
VDE-approved secure data transmission for remote access to eNet SMART HOME (backend API)

JETZT BEI Google Play

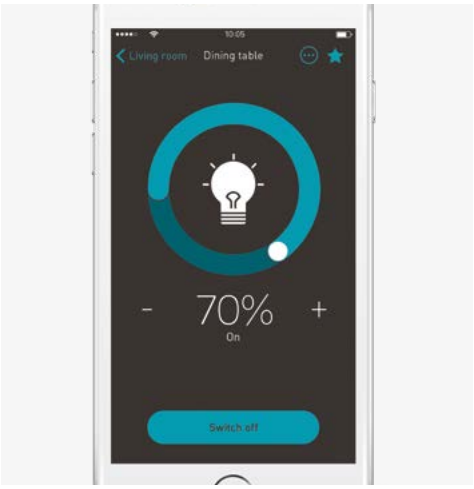
eNet SMART HOME app
for Android

Laden im App Store

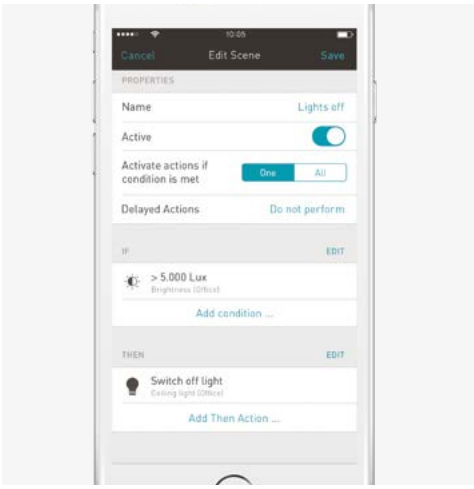
eNet SMART HOME app
for iOS



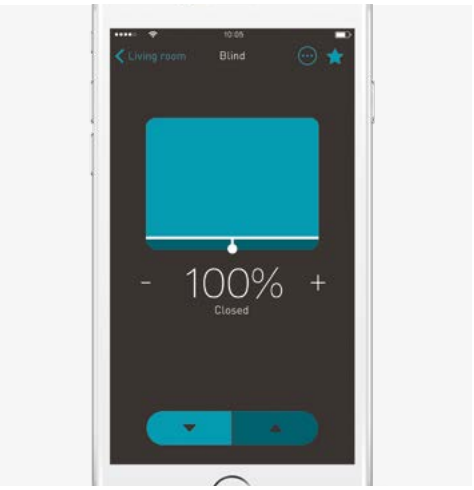
Combine individual functions to create scenes
Lowering blinds and at the same time dimming lights to create the perfect atmosphere for a movie night at home – no problem with the eNet SMART HOME app: Simply create a scene and define which function should be triggered in which room by which device.



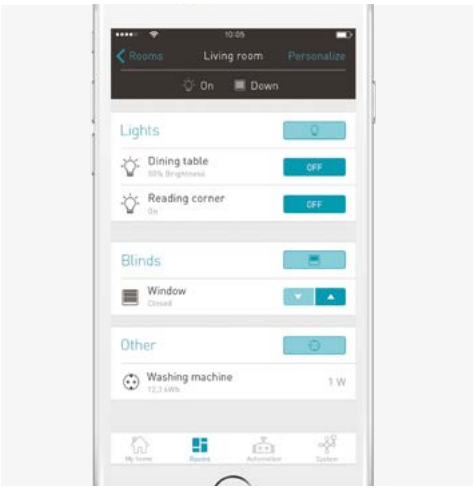
Activate functions individually or collectively
All functions can be activated individually or collectively. You are thus not limited to switching on a single light: If you hear suspicious noises at night, you can switch on all the lights in the house and garden as a deterrent.



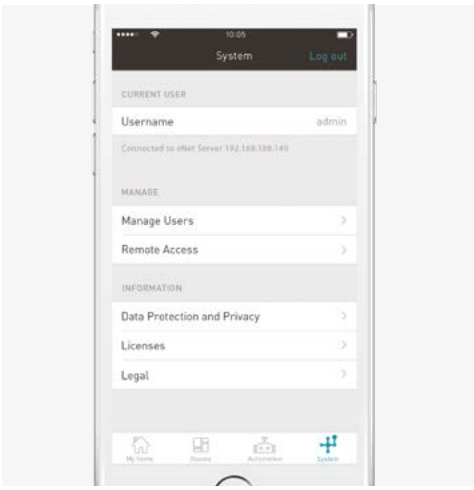
If-then rules*
A function is activated automatically if a certain event occurs. If, for example, the outside brightness has reached a certain value, the light switches off automatically to save energy. Or if the sunlight becomes too intense, the blinds go down and the room stays cool.



Configure precise values
Lights, awnings and blinds can be set with absolute precision. In this way, the slats of the bathroom blinds can be set to a position that allows sunlight to pass through while guaranteeing privacy. The light can be dimmed to the desired value to create a cosy ambience.



Room overview
The room overview shows which functions are active in which room, even when you are away from home. If you can't remember whether you left the light on, just look in the app – and turn it off if necessary.



Manage access rights
Not everyone in the home needs or should have access to everything – this is especially important in households with children. With the eNet SMART HOME app, you can define who gets which access rights. Thus you can ensure that no unauthorized changes are made to settings.

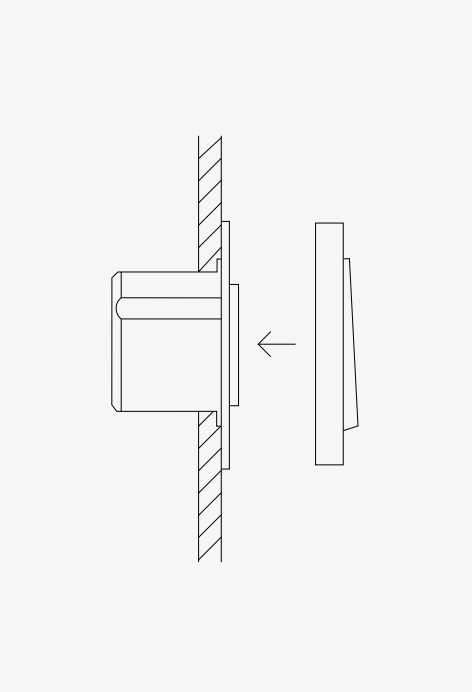
* For some applications, additional eNet SMART HOME products are required.

Gira eNet wireless operating top units
Making electrical installations wireless-capable

The wireless operating top units from the Gira eNet system are easy to mount and can make conventional electrical installations wireless-capable. Components from other systems can be integrated too. The functions of existing touch dimmers or inserts for blind control are added to the eNet system by means of easily installed top units that make it possible to control these functions wirelessly.

Fig. Gira eNet wireless switching/dimming top unit on exposed concrete

Fig. (from left to right): Gira eNet wireless switching/dimming top unit, 1-gang System 2000, Gira eNet wireless blind control button, 1-gang



Wireless switching and dimming of lights
A brief press switches the light on or off. A longer press dims the light continuously: If the top part of the rocker is pressed, the light becomes brighter; if the bottom is pressed, the light becomes dimmer. The LED display signals the On/Off state and learning mode. Conventional Gira switching/dimming top units can be exchanged easily and replaced with Gira eNet wireless operating top units.

Controlling blinds wirelessly
The eNet wireless blind control button enables highly convenient one-touch control of blinds via wireless actuators, thanks to the bi-directional Gira eNet system: The LED display signals the raising and lowering of the blinds, as well as the learning mode. Conventional Gira control buttons can be exchanged easily and replaced with Gira eNet control buttons.

The easiest way to switch and dim wirelessly
Existing switches or buttons, e. g. from System 2000 for light or blind control, can be replaced with eNet wireless operating top units. Simply remove the existing operating top unit and replace it with the eNet wireless operating top unit.

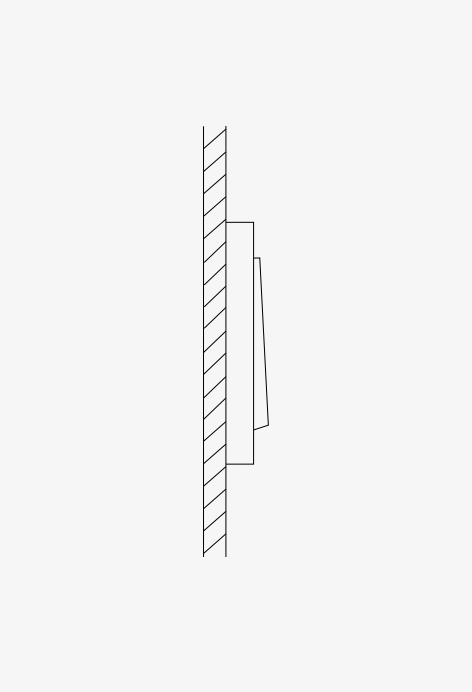
All Gira eNet wireless control buttons and wireless switching/dimming top units are available in various design lines. For more information, visit www.gira.com/designlines.

Gira eNet wireless wall transmitter
Free choice of installation position

Battery-operated eNet wireless wall transmitters can be conveniently placed exactly wherever switches or buttons are required, regardless of the mains connections – whether fixed to a wall with screws or conveniently attached to smooth surfaces such as glass panes with adhesive strips. Two-colour LEDs indicate successful signal transmission and the status of the actuator.*

Fig. Gira eNet wireless wall transmitter, 3-gang, on a glass partition wall

Fig. (from left to right): Gira eNet wireless wall transmitter, 1-gang, Gira eNet wireless wall transmitter, 3-gang



Control up to six different functions easily
Wall transmitters are available in 1-gang and 3-gang versions. In principle, all wall transmitters have the same functions and are differentiated by the number of buttons. The buttons/rockers are assigned fixed functions – up to six functions can be used in a 3-gang wall transmitter because the rockers can be controlled on both the left and the right.

Call up programmed default settings
Scenes are programmed default settings, enabling the user to create a suitable lighting mood in the living room while simultaneously lowering the blinds, for example – and all at one press of a button. Scenes make it possible to set and save default settings and call them up again at the press of a button using entire groups of actuators (receivers for lights or blinds). To use the scenes function, a transmitter that can trigger scene telegrams is required. This can be any eNet wireless transmitter that is set to ‘Scenes‘ operating mode. The scene numbers are factory preset in the hand-held transmitters and wall transmitters.

Always ready, wherever they are needed
The wireless wall transmitter is characterised by an especially slimline design. The device can also be adhered directly to smooth surfaces such as glass and wood without any additional housing. Free of the need for a mains connection, it can be attached wherever switches and buttons are needed. With the wireless wall transmitter, previously installed switches and switch combinations can also be expanded quickly and neatly with additional switches and buttons.

*The status display in eNet signals the status of all actuators which are assigned to a transmitter channel. For security reasons, the status “On” is displayed as soon as one actuator from the assigned group reports being "On". The status display does not signal “Off” until all actuators of the assigned group report "Off".

Diversity of design
Award-winning design for any ambiance

The Gira design system is modular. It includes 10 design lines with over 300 functions for comfortable, flexible and varied lifestyles. All functions can be combined in different colours with different frame variants. This creates a large variety of designs. The Gira products can thus be matched to fit in with any furnishings.

Fig. Gira eNet wireless wall transmitter, 1-gang, Gira standard 55, pure white glossy

Fig. Gira eNet wireless wall transmitter, 1-gang, Gira E3 blue-grey soft touch / pure white glossy

Fig. Gira eNet wireless wall transmitter, 3-gang, Gira Esprit, stainless steel

Fig. Gira eNet wireless wall transmitter, 3-gang, Gira E2, pure white glossy

Fig. Gira eNet wireless wall transmitter, 3-gang, Gira F100, pure white glossy

Fig. Gira eNet wireless wall transmitter, 3-gang, Gira Event Clear, aubergine

Gira eNet wireless hand-held transmitter
Mobile hand-held control at home

Gira eNet wireless hand-held transmitters enable convenient operation of building technology. Lights can be switched and dimmed, blinds can be controlled or various scenes can be called up using large operating buttons. The wireless hand-held transmitter is available in four variants – from simple to multi-functional.

Gira eNet wireless hand-held transmitter, 1-gang

Gira eNet wireless hand-held transmitter, 2-gang

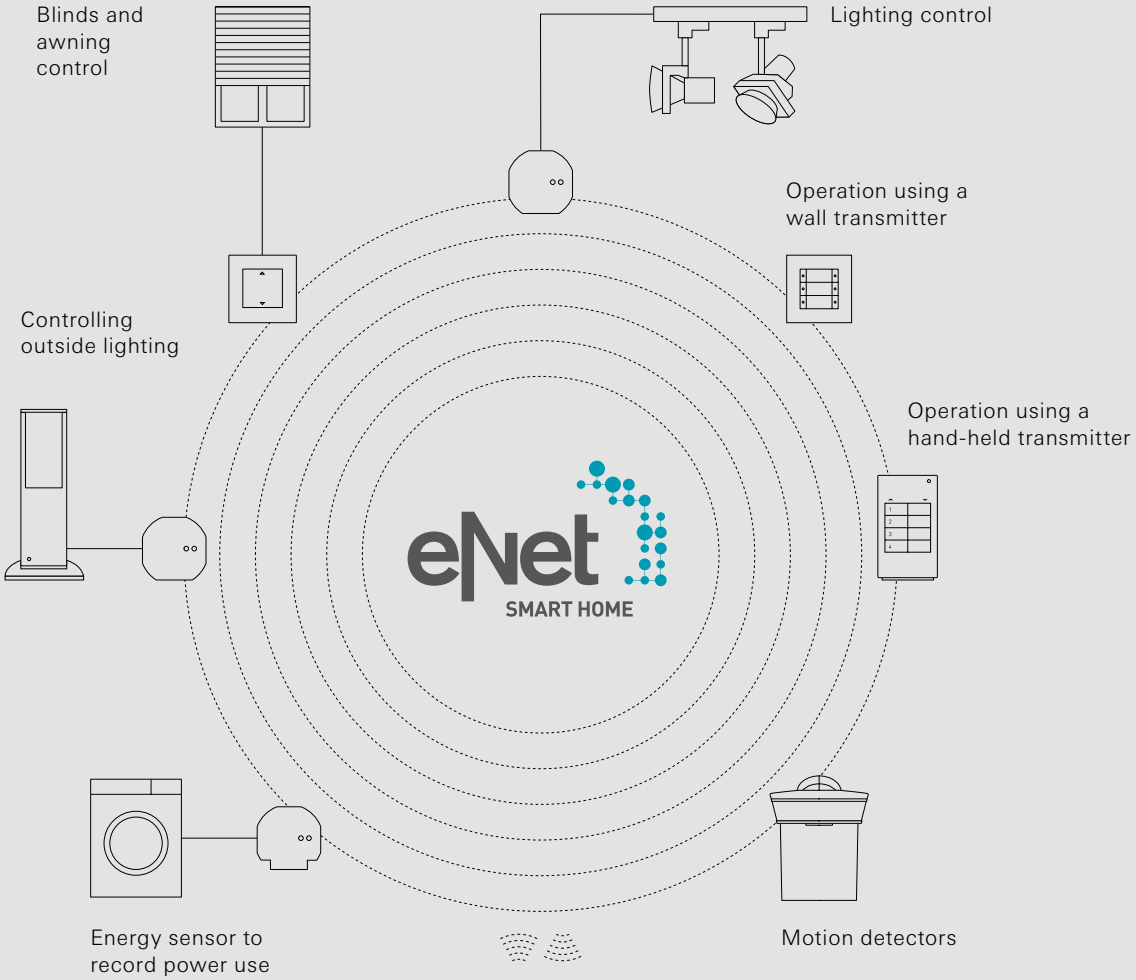
Gira eNet wireless hand-held transmitter, 4-gang

Gira eNet wireless hand-held transmitter Multi

Gira eNet wireless hand-held transmitter, 1-gang, 2-gang and 4-gang
The eNet system can be controlled conveniently with the eNet wireless hand-held transmitters. Featuring one large operating button, the compact battery-operated wireless hand-held transmitter, 1-gang, is the easy-to-handle remote control for all light and blind actuators. The wireless hand-held transmitter, 2-gang, transmits switching, dimming and blind adjustment commands using four buttons, two of which belong to each operating channel. The wireless hand-held transmitter, 4-gang, has the same functions as the hand-held transmitter, 2-gang, but features two more operating channels. Alternatively, it can call up additional scenes in scene mode. For all hand-held transmitters, the signal transmission and actuator status are signalled by a two-colour LED.

Gira eNet wireless hand-held transmitter Multi*
The Gira eNet wireless hand-held transmitter Multi provides a convenient user interface via the display, which shows the current status of the respective actuators and enables numerous functions. With the hand-held transmitter, the light and blind functions can be called up individually, in groups, or as a scene. The hand-held transmitter has 24 function channels and 16 scene channels. They can be clearly designated using free-text names and organised in individual, clear lists. Operation is performed using buttons and the menu control.**

*The Gira eNet wireless hand-held transmitter Multi cannot be used in an eNet SMART HOME project.
**This product cannot be used in conjunction with the eNet SMART HOME system. See System Overview on page 19.



eNet server – the core of an eNet SMART HOME system

WLAN or LAN

WLAN

WLAN router

WLAN or LAN

Control from home via the smartphone app

Start-up on site via eNet SMART HOME connect

Internet

Remote control via the smartphone app while away

Certified VDE remote access via eNet SMART HOME remote as well as connection to tado° high-security servers

Remote diagnostics on a PC using eNet Smart Home connect

Gira eNet server

The heart of the eNet SMART HOME

The Gira eNet server brings maximum convenience and very high flexibility to the smart home. It is the versatile control centre that allows the configuration of scenes, timers and if-then rules. With the Gira eNet server, not only can you program the entire eNet SMART HOME system, you can also visualize and document it automatically. Via the eNet SMART HOME app, the entire building technology system can be easily controlled and configured – even while on the go.

Easy start-up
eNet SMART HOME connect is a browser-based start-up interface. It has never been so easy to connect eNet transmitters and actuators and configure settings.

Indispensable data security
Fully encrypted wireless transmission, automatically assigned individual device keys, server locations exclusively in Germany, protection against manipulation: A package of measures ensures maximum data security for the entire system.

Practical remote access
The intelligent home can be controlled from anywhere via the Internet. Up to eight end devices can be used with one registration. The data security of the remote access backend API has been tested and confirmed by the VDE.

Convenient control
With the eNet SMART HOME app, intelligent building technology can be remotely accessed via smartphone – at home and on the go.

System overview of eNet and eNet SMART HOME		
Products	**eNet without eNet server**	**eNet SMART HOME with eNet server version from Version 2.0**
eNet wireless hand-held transmitter Multi	•	–
eNet Mobile gate	•	–
eNet wireless operating top unit	•	•
eNet wireless wall transmitter	•	•
eNet wireless hand-held transmitter, 1–4-gang	•	•
eNet wireless actuators	•	•
eNet sensors	•	•
Manual start-up	•	–
Encrypted communication	–	•
Start-up via eNet SMART HOME connect	–	•
Operation with smartphone	eNet Mobile Gate app (Mobile Gate required)	eNet SMART HOME app
Scenes		
Calling up	•	•
Changing settings	•	•
Add/remove devices	•	•
Automatic function		
If-then rules	–	•
Time control	–	•
Setting device parameters	(configuration possible via eNet server)	•
Block functions	(eNet wireless hand-held transmitter Multi or eNet Mobile Gate required)	•
Threshold value functions	(sun/twilight sensor required)	•
Automated	(eNet wireless hand-held transmitter Multi or eNet Mobile Gate required)	•
Lock-out protection	(eNet wireless hand-held transmitter Multi or eNet Mobile Gate required)	•
Updating software	–	•
Saving project data	–	•
Documenting project	–	•
Recording telegrams	–	•
Measuring signal quality	(diagnostic device required)	•
Configurable remote access via app	–	•

Gira eNet wireless actuators
Implementing functions everywhere

Actuators implement wireless commands in functions. A broad selection of actuators for switching, dimming, and controlling blinds or lighting has a large range of applications taken care of. The blind actuators also support an operating mode for awnings.

Gira wireless switching/momentary-contact actuator, 1-gang Mini

Gira wireless switching/momentary-contact actuator, 2-gang Mini

Gira wireless dimming actuator, 1-gang Mini

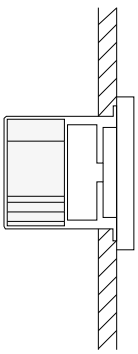
Gira installation adapter Mini housing

Gira wireless control unit 1-10 V, 1-gang Mini

Gira wireless control unit Dali, 1-gang Mini

Gira wireless blind actuator, 1-gang Mini

Gira eNet mini actuators
The compact Gira eNet mini actuators can, for example, be accommodated in flush-mounted and surface-mounted device boxes or light canopies. In combination with the installation adapter, the mini actuator is contact-protected and has strain relief. Thus, the mini actuator can also be installed in intermediate ceilings and shutter boxes or on top-hat rails.



Installation in flush-mounted and surface-mounted device boxes

Gira eNet DRA wireless receiver module

Gira eNet wireless switching/momentary-contact actuator, 1-gang DRA

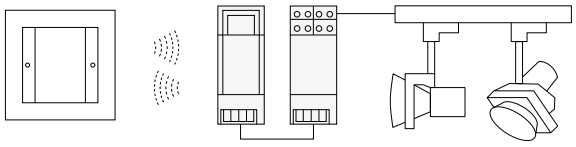
Gira eNet wireless switching/momentary-contact actuator, 8-gang/blinds actuator, 4-gang DRA

Gira eNet wireless blind actuator, 1-gang DRA

Gira eNet wireless dimming actuator, 1-gang DRA

Gira eNet wireless dimming actuator, 4-gang DRA

Gira DRA actuators
The Gira eNet DIN-rail mounting devices (DRA) are installed centrally in the current ditribution board and supplied with power via a common power supply unit. They receive the wireless telegrams via a common wireless receiver module or the eNet server. The receiver module and server have internal wireless antennas. Up to 32 actuators can be supplied with power and information in this way.



The sensor-actuator principle

Gira eNet wireless sensors

Integrating installation devices and measuring values

The specific consumption values of various devices can be monitored using the Gira eNet wireless energy sensors. The eNet wireless sun sensor Solar enables automatic blind and light control depending on sunlight intensity and the temperature in the room. Conventional 230 V switches can be made wireless-capable using the eNet universal transmitter.

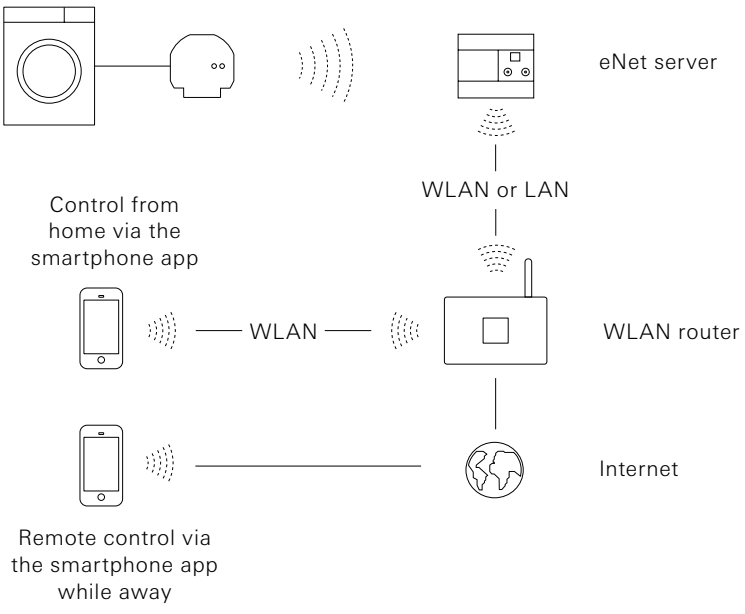
Gira eNet wireless energy sensor, 1-gang Mini

Gira eNet wireless energy sensor, 4-gang DRA

Effective use of savings potential

Wireless energy sensors measure the power consumption of connected electrical devices. The data is transferred to the eNet server, which visualizes the current consumption and an accumulated value in the eNet SMART HOME app. Limits can be set which trigger actions in case of deviation, e. g. switching off a device.

The energy sensors feature identical technology, while the designs enable measurement in various installation environments: Flush mounted on site centrally in the current distribution board. Variable control functions can also be set.



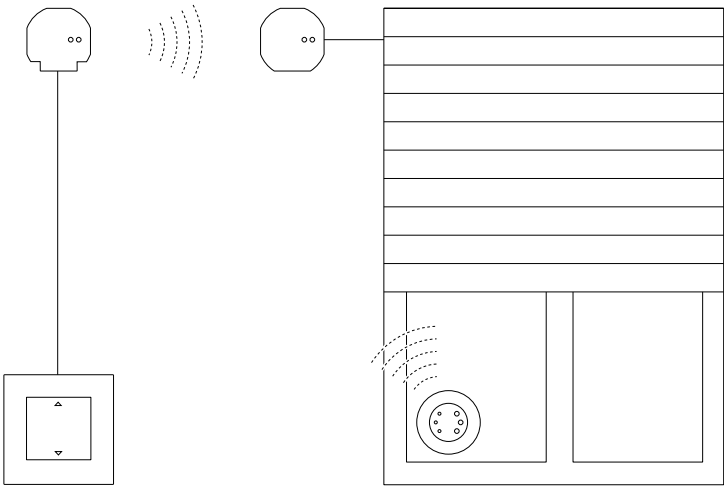
Keep an eye on energy consumption – at home and on the road

Gira eNet wireless
universal transmitter,
2-gang Mini

Each switch can wirelessly transmit data
The universal transmitter has two inputs for all 230 V/AC signals and integrates nearly all 230 V installation devices into the eNet wireless network, e. g. switches, blind controllers, motion detectors, or sensors. The eNet switching, dimming, and blind actuators can be controlled with the universal transmitter.

Gira eNet wireless
sun sensor Solar

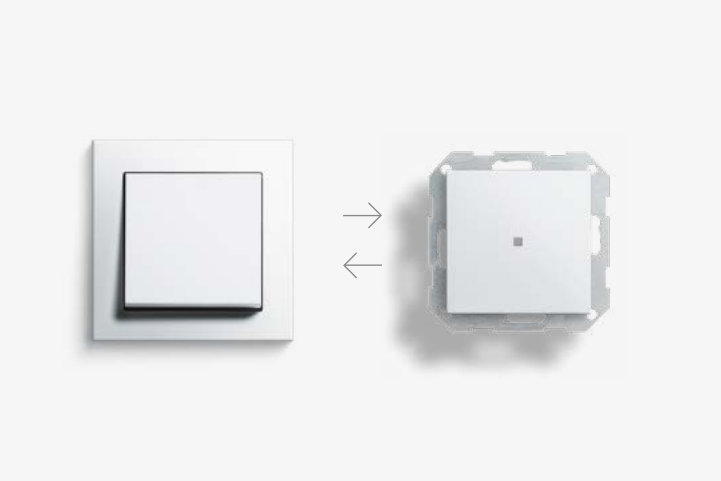
Sun control
The wireless sun sensor Solar is attached to the window pane from the inside. When threshold values for the sun and twilight are reached, scenes are triggered, such as blind position or dimmer setting. Additionally, for sun protection, the blinds can be automatically lowered if an adjustable temperature threshold is exceeded, e. g. to prevent overheating in the summer.



Control blinds wirelessly – with the press of a button or automatically with the sun sensor

Easy installation and start-up
An eNet SMART HOME in a few steps

Smart extensions can be conveniently added by means of the eNet server – the eNet system is started up via the eNet SMART HOME connect browser interface.



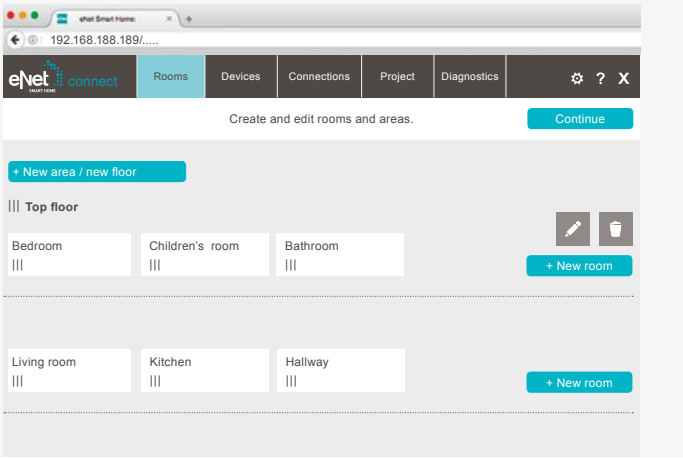
Installing Gira eNet wireless operating top units
Existing touch dimmers or top units for blind control are removed in the first step. The Gira eNet wireless operating top units are installed in the devices in the second step – that's all that is needed to make the conventional electrical installation suitable for eNet SMART HOME.

Manual start-up with the push of a button
For many applications, it is enough to just set the operating mode for the eNet device and then connect the sensor and actuator to each other. First, the programming buttons are pressed for four seconds on the actuator and sensor, until the LED indicates learning mode. Pressing the desired channel button on the sensor assigns the devices to one another. After quitting learning mode, the programmed actuator will only respond to signals from its assigned transmitter. Up to ten actuators can be connected to a transmitter in a single step.

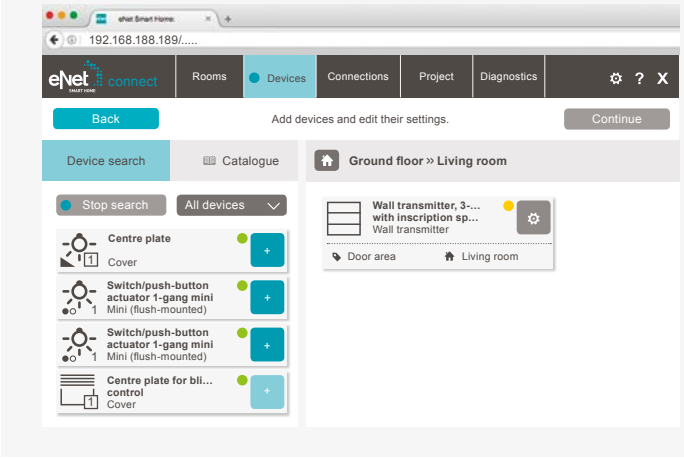
eNet SMART HOME connect
eNet SMART HOME connect is a web-based application for start-up tasks. It is available on the eNet server and is opened with a web browser. No additional software is needed.

eNet SMART HOME connect
PC start-up in four steps

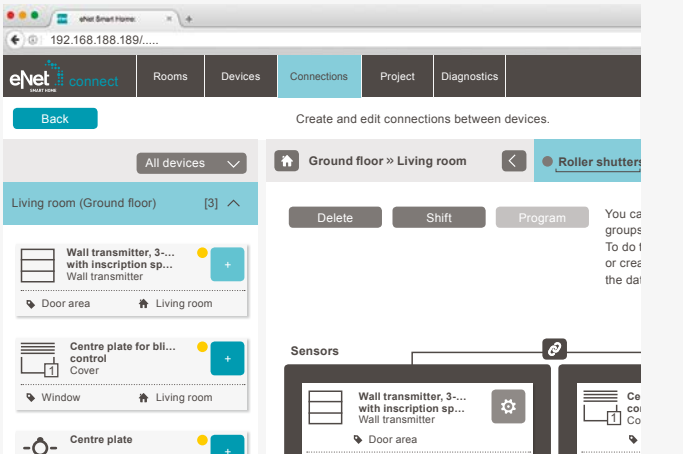
The eNet SMART HOME connect application for start-up tasks is operated via an intuitive graphical user interface: It can be used to create and manage projects, and to add devices which have already been installed by running a search for them or selecting them from a device catalogue. The project can be managed in the eNet server and can also be saved separately for project documentation.



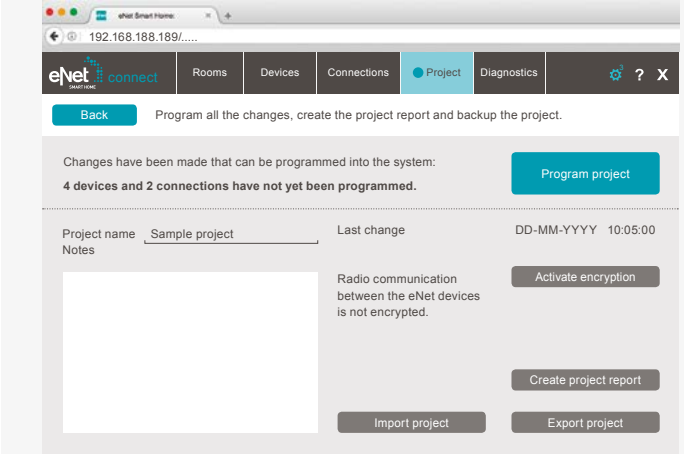
First step: Creating rooms
The first step is to create the rooms for the project. The names can be freely selected. It is important to plan the structure carefully as it is reflected 1:1 in the eNet SMART HOME app.



Second step: Finding and assigning devices
Via the device search, devices can be added to the project from the eNet system. All devices that are in learning mode or to which the voltage has just been applied will be found and displayed. The selected devices can be assigned to their rooms, and the device channels can be individually named according to their usage.



Third step: Creating connections
Actuator and sensor channels are now assigned to each other and functionally interconnected. During operation, the connected devices communicate directly with each other. This ensures a very robust function with low risk of failure. Even if the eNet server fails, these functions remain operable – ensuring basic functionality at all times.

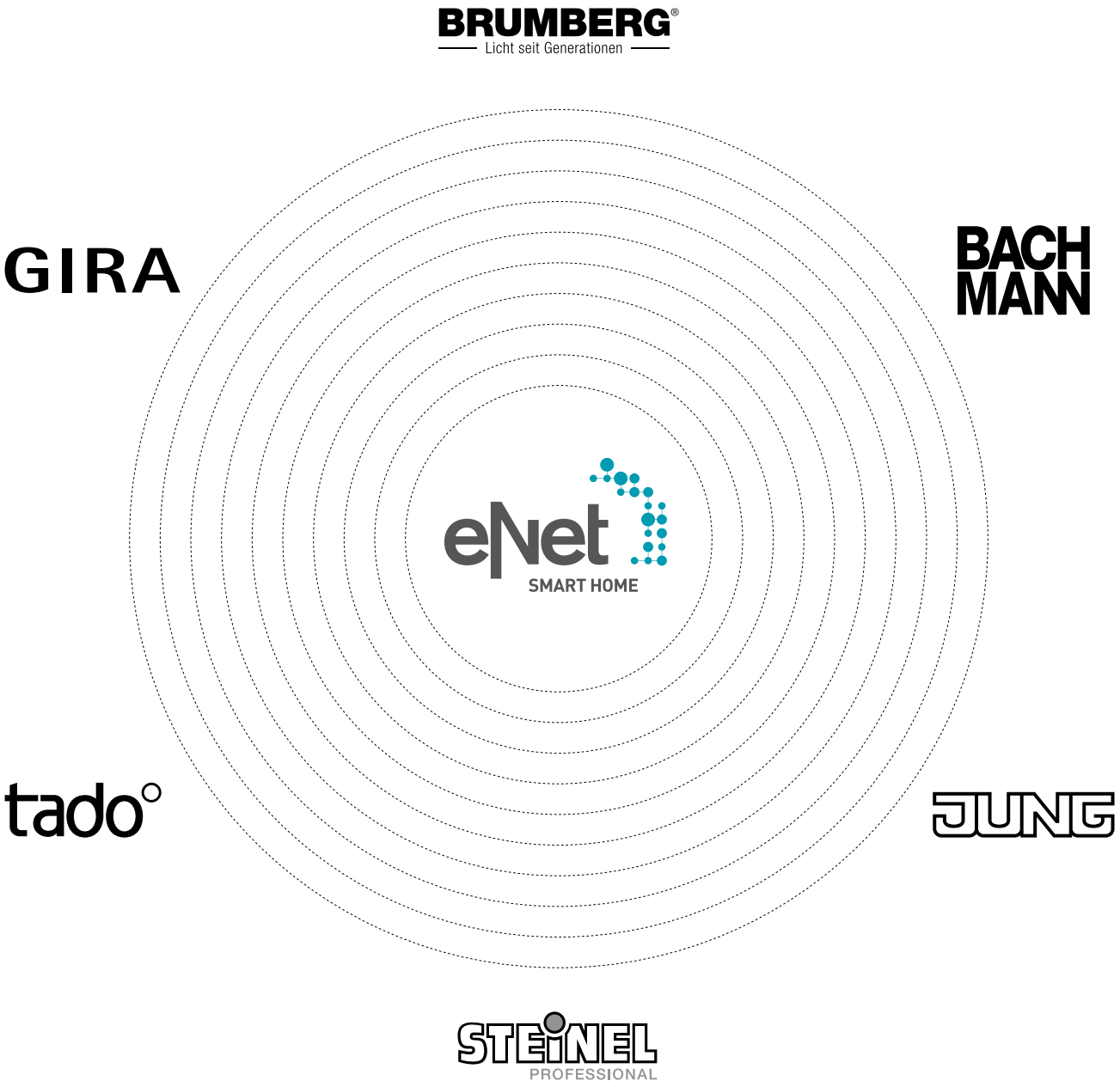


Fourth step: Transferring the project and automatically exporting documentation
Finally, the configuration data is transferred to the individual devices. The visualization for the eNet SMART HOME app is generated automatically. The project can now be exported, used as a backup or used as a template for future project planning. Of course, the documentation for the project can also be generated and exported automatically in the eNet server.

eNet Alliance

Future proof with strong partners

In the eNet Alliance, strong brands are networked to support cross-brand and cross-trade solutions. eNet SMART HOME is continuously developed further by the Alliance as a common industry standard. This means eNet SMART HOME offers maximum future security. Users can rely on every single component – today and tomorrow. The eNet Alliance is open to new partners. This means that the range of possibilities will constantly increase.



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Intelligent building technology from Gira offers more convenience, greater security, extensive functions, and a high degree of flexibility and mobility. Gira develops and manufactures systems and products which set standards both in technology and design.

More information on Gira and Gira products can be found at:

www.gira.com/uk

The entire Gira product range and individual prices can be found in the Gira online catalogue at:

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The Gira Design Configurator can be accessed online and includes prices for selected complete devices and functions:

www.designconfigurator.gira.com

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eNet SMART HOME training courses

Up to date with professional training.

Gira actively supports electricians by offering qualified training on Gira products and systems. Comprehensive product and marketing knowledge is essential for establishing eNet SMART HOME on the market as an innovative wireless system. It increases the chances of sales success and ensures trouble-free installation of the components. Gira offers both classroom seminars and online distance learning courses that make participation possible from any PC with internet access.

Classroom-based and online training courses

Classroom seminars on eNet are held at Gira's premises in Radevormwald or at external locations, where course participants can deepen their knowledge in direct contact with their trainer and the seminar participants. In contrast, online training courses covering eNet take place exclusively on the Internet.

Online distance learning course

Preparing the eNet system as multimedia learning content – that is the objective of online distance learning courses. Practical simulations in self-study convey all important facts concerning the basics of wireless technology, the structure, and the extension options of the system. They also provide a good overview of the functional range of the system components. Exercises allow the knowledge obtained to be tested in a practical way. Find out more at:

www.academy.gira.com

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