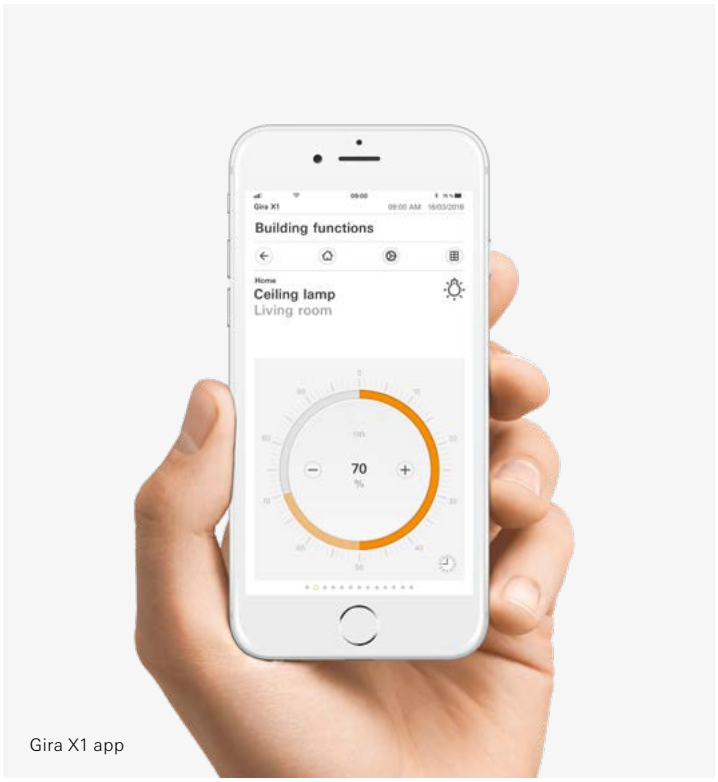
Gira X1 /Gira L1

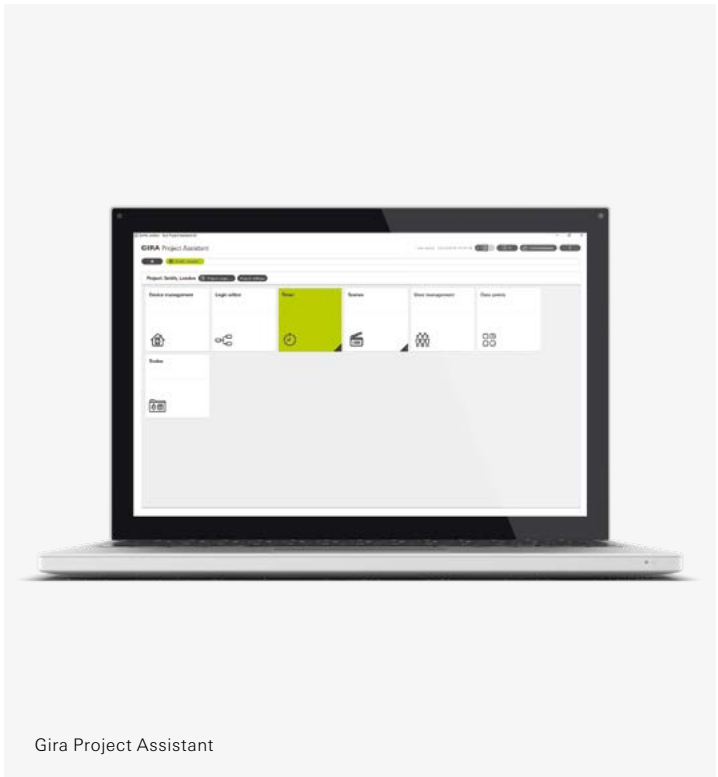
The easy and convenient route to an intelligent home with KNX

Gira X1

Gira L1



Gira X1 app



Gira Project Assistant

Gira X1

Front view of Gira X1

Top view Gira X1
Sticker for labelling individual pieces of device information

Features

+ Configuration via Gira Project Assistant (GPA)
+ Visualisation
+ Logic functions
+ Scenes
+ Timer switch functions
+ IP connection with switch function
+ TP connection
+ Integrated VPN server
+ Encrypted communication with GPA and app
+ Compact DRA 2MW design for top-hat rail mounting
+ ETS programming interface
+ Project runtime read-out
+ Project backup on the X1
+ Occupancy simulation
+ Landscape format on tablets
+ Internal communication between multiple devices, e. g. Gira L1 and Gira X1
+ Amazon Alexa voice control (only in conjunction with the Gira S1)

Gira X1 app

The app for the Gira X1 turns existing mobile devices into convenient operating elements for intelligent building technology: It is available from the iOS and Android app stores and can be used on smartphones and tablets. The Gira device portal, in combination with the Gira S1, offers a convenient and free service. When combined with the Gira S1, the app is particularly convenient: Simply launch the app to operate the smart home remotely.

The cornerstone of the intelligent home

Switch lights on and off, raise and lower blinds, optimise your home temperature settings – all over the building and on the go: The new Gira X1 with KNX system makes automating and visualising a single-family home simpler, more convenient and more economical than ever before. This means greater convenience and security for users and occupants. Many functions can be monitored and controlled remotely when away from home. The space-saving, quick installation of the Gira X1 and the little effort involved in commissioning and configuration make opting for intelligent building technology easier.

Controlling via app – at home and on the go

The user-friendly interface of the Gira X1 app visualises the KNX installation of a single-family home and makes its functions available: Control dimming and switching, as well as blinds and heating; simulate presence, set up scenes, program timers and much more. Camera images can also be accessed ‘live’. Customisation options are also available, such as individual selection of a start screen. The project and the user settings, such as timers and favourites, are saved on the Gira X1.

Configuring with the Gira Project Assistant (GPA)

Beyond its function as a visualisation server, the Gira X1 is also able to handle numerous automation tasks in the house. This is achieved by programming scenes and timers. In addition, the Gira X1 has an integrated logic module function, making a node library with 35 logic nodes available, for example staircase lights, shading, heating, cooling and much more. Configuration is carried out using the Gira Project Assistant, a piece of software that is easily and intuitively operated by means of drag & drop.

High system security

Security is essential if building technology is to be remotely controlled via mobile devices. For maximum security, the Gira X1 is combined with the Gira S1. This allows the end customer to safely and conveniently operate the Gira X1 app while on the go. Communication between the Gira X1 and the mobile app as well as the configuration software GPA is always encrypted. Alternatively, the Gira X1 also offers an integrated VPN server.

Lighting control

Switching lights on and off, or dimming them precisely to the desired setting: With the Gira X1 app, lighting can be controlled with maximum flexibility. Several switch and dimmer templates are available for the various requirements.

Blind control

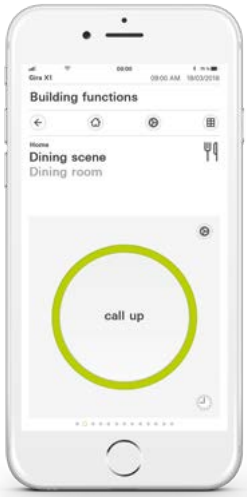
Raising or lowering blinds or shutters, positioning them at a predefined height, and moving slats in the desired direction: The user can control everything using a mobile device – even while on the go.

Function overview

All of a building's functions are visualised as tiles in the Gira X1 app. Central functions such as switching on and off, adjusting the temperature, or dimming in fixed steps can be operated directly within this view.

Setting the desired room temperature

When combined with an appropriate KNX sensor, the app can be used to control room temperature. Desired temperatures can be called up using various operating modes such as Comfort or Night.



Calling up scenes

The perfect room ambiance includes the right lighting, the ideal temperature, appropriate privacy protection, and perhaps a bit of background music: The desired mood can be called up directly on a mobile device at the touch of a finger using the app.

Timers

A timer can be used to control many functions. Certain functions can thus be automatically triggered at a specified time every day or only on certain days of the week. For example, the blinds are automatically raised every morning and lowered again in the evening, or the heating automatically switches to night mode.

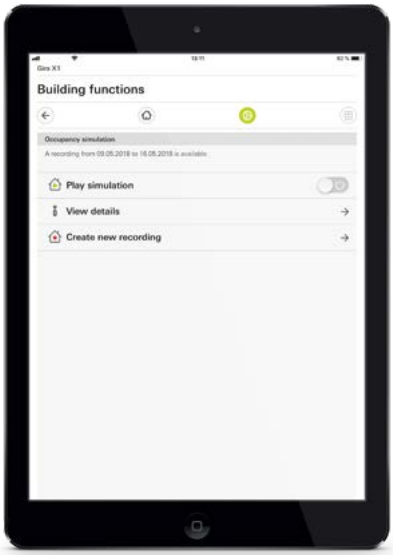
Value transmitter

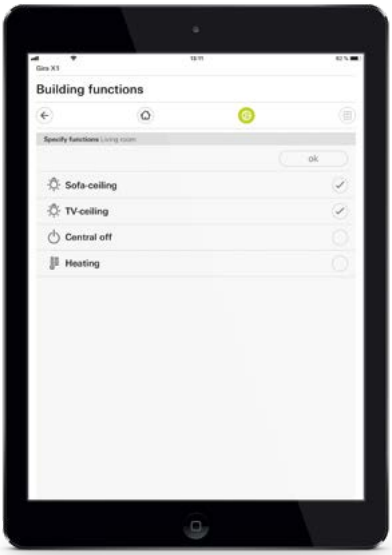
Predefined settings to control blinds and heating: The value transmitter sends the values to the KNX System. The external devices can analyse these values and execute the corresponding functions.

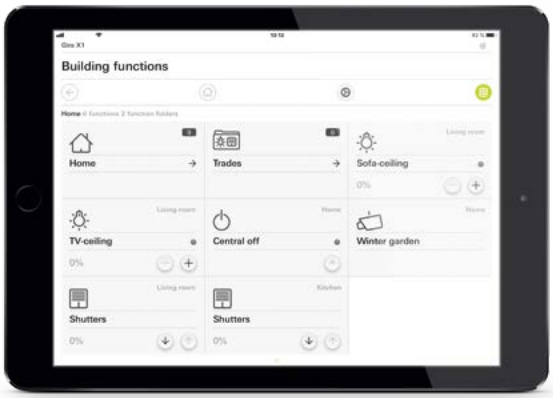
Camera monitoring

Know what's happening in the house – even when you are away: The Gira X1 app can also transmit and show video images, for example from IP cameras. Perfect for that extra peace of mind.

Occupancy simulation



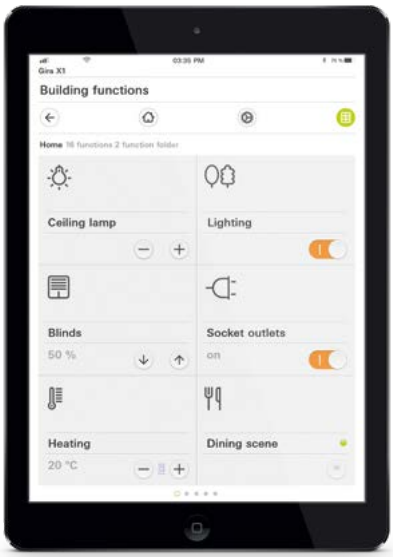


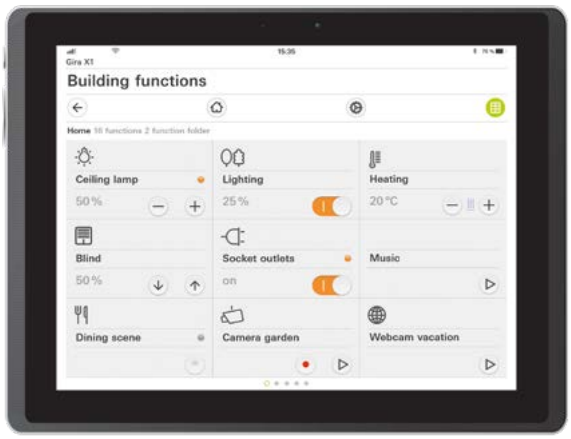


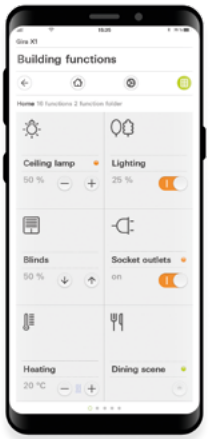
Preventing break-ins

With the help of occupancy simulation, it always looks like someone is home. When you leave the house, the Gira X1 transmits the saved information to the building management system: to shade the blinds, dim the lights or trigger individual scenes. These functions can be easily set; all you need is your mobile device. Simply set your preferred number of functions. Subsequently, the recording can be activated – even while you are absent and on the go. The recorded data will be available after seven days.

Various output devices

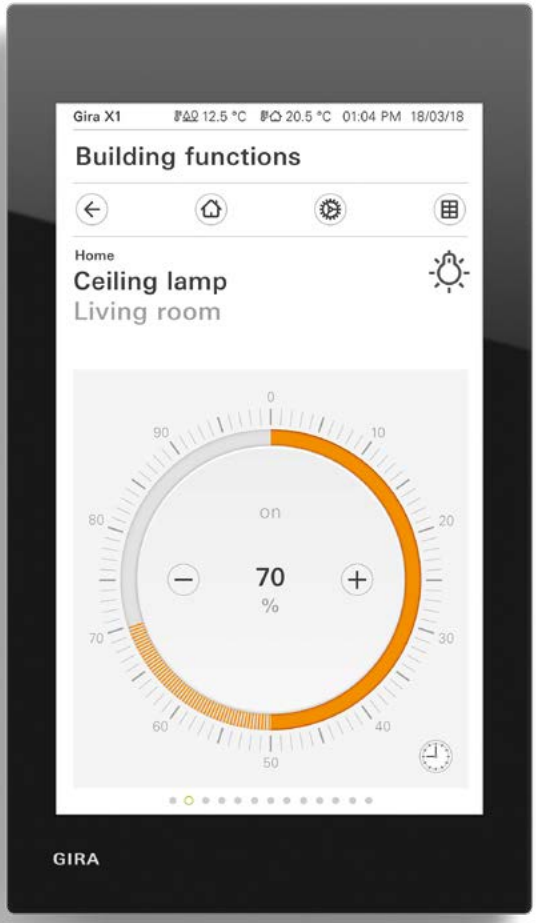






Android and iOS support

Whether you're using an Android or an iOS device, the Gira X1 supports both. If a tablet is used, the Gira X1 app can be used in landscape format and a larger number of tiles can be displayed, making operation even clearer and more convenient.



Can be combined with the Gira door communication system

Can be combined with the online weather service

Everything in clear view

An all-rounder reveals its full capabilities: In combination with the Gira X1, the Gira G1 can now also be used as an X1 client. From lighting and shading, to heating and cooling, scene and music control, through to the integration of network cameras, all functions are started up quickly and easily thanks to the Gira Project Assistant (GPA). Other Gira systems, such as the door communication system and online weather service, can also be integrated.

Effective and cost-saving

As soon as the Gira X1 has been put into commission, the Gira G1 displays the visualization interface. Now the Gira G1 network just has to be configured and a corresponding user account created. If changes or adaptations are desired, they can be implemented quickly and simply with the Gira Project Assistant (GPA). This saves time and therefore expense. Thanks to the direct connection to the Gira X1, operating the Gira G1 as an X1 client requires no additional KNX IP router in the system – another cost advantage in the smart home. Besides the operating functions for the building technology, e.g., lighting, shading, heating and cooling are also available via the Gira X1. The function package is rounded off by the integration of the Gira door communication system and the online weather service for up to five locations.

Features

+ The all-rounder in the smart home: Building technology, door communication system and online weather service
+ No additional KNX IP router required
+ No additional ETS configuration of the Gira G1
+ Quick and easy commissioning
+ Visualisation of the full range of Gira X1 functions
+ Commissioning of all functions on the Gira X1 via the Gira Project Assistant (GPA)
+ Identical user interface on the mobile end devices

Gira X1 and Amazon Alexa voice control
Gira X1 and Sonos audio control

Alexa speaks the Gira X1 language

Amazon Alexa searches the Web for music, reads messages and updates you on the weather. The next logical step is controlling intelligent building functions. Alexa is securely connected to the Gira X1 via Gira S1. This means that various functions that were configured in Gira X1 are now available to Alexa. Alexa is ready for your commands. The system is at your beck and call: turn lights on and off, raise and lower blinds and apply scenarios with a few simple words. It's "Plug and Talk": Pairing is quick and uncomplicated. This means the building can be conveniently controlled even if you don't have your tablet or smartphone with the Gira X1 app on hand at that very moment.

Features

+ Establish a secure connection to the Amazon Alexa portal with Gira X1 and Gira S1.
+ You will enjoy the following functions:
  "Alexa, dim the living room lights by 50 %"
  "Alexa, start cinema light scene"
  "Alexa, switch lighting to blue"
  "Alexa, set blinds to 50 %"
  "Alexa, set the light in the kids' room to warm white"

Gira X1 plays Sonos

Operating the Sonos speaker is easy as pie with the smart Gira X1 app. Music control can be integrated into the wall-mounted KNX touch sensors for quick access to the play function, for example.

Features

+ Operation of the Sonos speakers with the Gira X1 app
+ Switch on music and regulate volume
+ Select playlist or trigger a scene like "Coming Home"
+ Assign Sonos operation to KNX touch sensors

Integrating other systems

Using the door communication features

With the new DCS IP data interface, the Gira X1/L1 offers many interesting solutions. For example, when a door call comes in, a scene such as "Coming Home" can be launched or, when it gets dark outside, the outdoor lighting can be switched on.

To make life easier for hearing-impaired people, the Gira X1/L1 enables light signals to be activated in selected rooms. There are countless other possibilities, such as setting a timer to mute and unmute the ringtone.

Gira S1 secure remote access

Ensuring a safe home while on the move

Your home should be your safe haven. When building technology is used, uncompromising protection requires more than even the most advanced security tools. We offer an intelligent, encrypted system that decides who gets in. The Gira S1 now provides secure remote access for the Gira X1, which can be operated intuitively at the touch of a button – as part of remote control or a maintenance function.

The Gira S1 lets you control the entire KNX smart home via the Gira X1 app even while on the move, without opening ports, without activating a VPN and without configuring the Internet router. With the Gira Project Assistant (GPA), programming via remote maintenance has never been easier or safer.

Features

+ Secure mobile remote access to the entire KNX smart home via Gira X1
+ Remote maintenance of KNX, Gira X1, Gira L1 and Gira DCS IP data interface
+ Access monitor/clearance by end user via app or touch sensor
+ Reports via SMS*, voicemail*, or free-of-charge e-mail
+ Works with every router and irrespective of Internet provider (even for IPv6 Dual Stack Lite access)
+ Connection to the home network via Ethernet

* subject to a charge

Gira smart home with KNX system.

The Gira S1 ensures securely encrypted data transfer across the entire communication path and establishes a secure connection between the Gira X1 and Amazon's Alexa portal.

Secure remote access via the Internet with external end device.

Gira L1

Gira L1

Top view Gira L1
Sticker for labelling individual pieces of device information

Logic module Gira L1

Switching lights on in a time-delayed sequence, calling up specific light scenes directly using a touch sensor, controlling the room temperature or creating other logical functions: With the logic module Gira L1, single-family homes and properties of similar size featuring a KNX system can easily be equipped with a series of automated comfort functions. The intuitive Gira Project Assistant enables projects to be configured conveniently in just a few steps and easily modified at any time using drag & drop. A convenient logic editor guides the programmer to the desired result. The Gira Project Assistant can manage up to five logic modules in a customer project to provide even more complex properties and save time. Thanks to the simulation, configuration errors can be virtually ruled out, while the duration of commissioning is shortened significantly. Each action performed in the Gira Project Assistant is automatically saved.

All changes can be viewed and undone with the undo/redo function. The logic module Gira L1 is installed on a top-hat rail in the sub-distribution.

Features

+ Range of functions thanks to the node library with 35 logic nodes
+ Configurable logic nodes
+ Functional expansions and updates via firmware and software updates
+ Import function for KNX projects to create data points
+ Up to 300 data points can be used for each project
+ Easy configuration of timers and scenes
+ Optimised commissioning: Fast project changes and updates during operation without the need to restart the device
+ Commissioning: The physical address and application are configured using ETS from version 4.1.8; further configuration is carried out using the Gira Project Assistant
+ Internal communication between the Gira L1 and Gira X1 devices

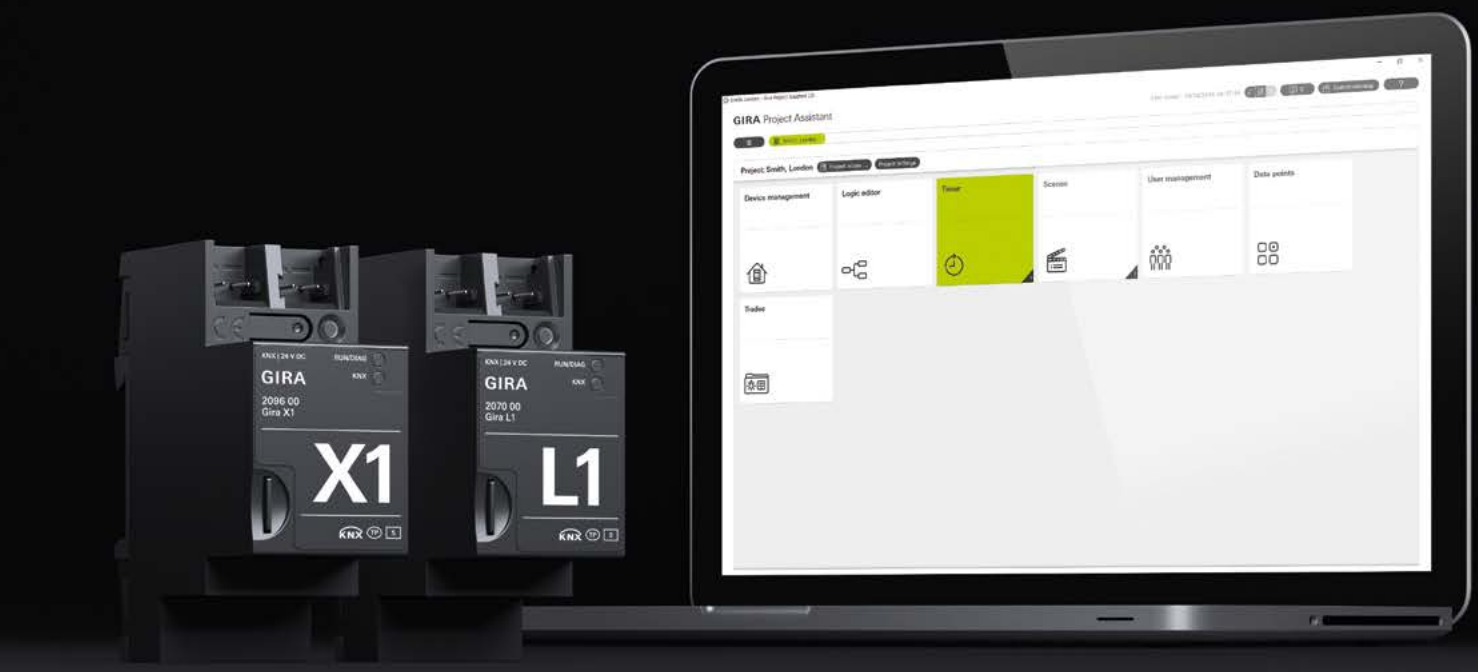
Comparison of Gira X1 and Gira L1

Features	Gira X1	Gira L1
Configuration by means of GPA	•	•
Visualisation	•	–
Access to building control when on the go via the iOS/Android app	•	–
Logic functions	•	•
Scene sets	50, each with 64 scenes	20, each with 64 scenes
Timers	50	20
Data points	1,000	300
IP connection	•	•
TP connection	•	•
Remote maintenance via the Gira S1	•	•
Integrated VPN server	•	–
ETS programming interface	•	–
Encrypted communication	•	•
Max. number of devices per GPA Project	1	5

Gira X1
Easy configuration, easy commissioning

Anyone that is building a single-family home or is already using a KNX installation in their home has perhaps been waiting for the Gira X1: a KNX device that pools together central functions of intelligent, networked building technology. The Gira X1 offers a variety of ways to automate a KNX system, and also serves as a visualisation server. Occupants are able to control their building via smartphone or tablet, not only anywhere in the house using WLAN, but also via the internet when on the go: such convenience is right at the top of users' wish lists these days. The extraordinary variety of functions requires neither additional specialists nor extra installation space – the Gira X1 sits in the current distributor and is the size of two automatic circuit breakers. Thanks to the visual configuration of the Gira X1 with the Gira Project Assistant, any master electrician can, with very little training, help their customer step into the age of intelligent building technology – cost effectively and from a single source.

The Gira Project Assistant reduces use of ETS to a minimum. Further configuration of the KNX system with the Gira X1 is done easily and intuitively using drag & drop. Functions such as device-free logic simulation and the ability to set up or maintain the project remotely via Internet and Gira S1 speed up the commissioning process, therefore reducing the cost for the customer. Convenience, security, energy saving: All of this adds up to an intelligent home – implemented quickly and easily using the Gira X1.



Free training for electricians

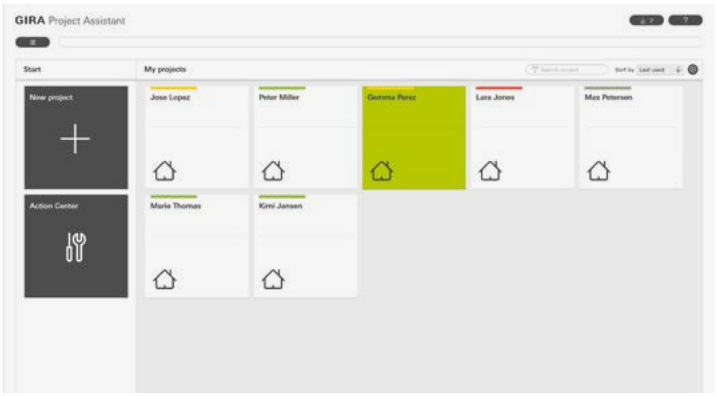
The Gira Project Assistant is so intuitive and user-friendly that minimum training is required. However, so that electrical companies are able to make full use of the opportunities offered by the Gira X1, the Gira Academy offers attendance-based training sessions and online seminars on the Gira X1 and the Gira Project Assistant.

Gira training at www.academy.gira.com

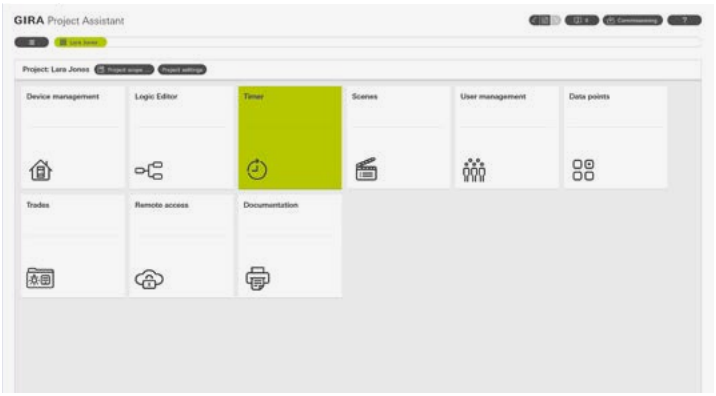
Gira Project Assistant:
quick and intuitive
configuration via drag & drop

Projects for the Gira X1 or Gira L1 can be quickly and easily created with the Gira Project Assistant (GPA) software: visually and intuitively, using drag & drop. The various functions such as switching, dimming, blind control, etc. are simply dragged onto a room with the mouse. The visualisation for mobile end devices is then generated from this information without requiring the user to perform any additional work.

The GPA features a convenient logic detector for automating building technology that lets users achieve their desired result in next to no time. With the logic simulation, individually created automation solutions can be verified. This makes the Gira Project Assistant the basis for cost-effective project implementation.

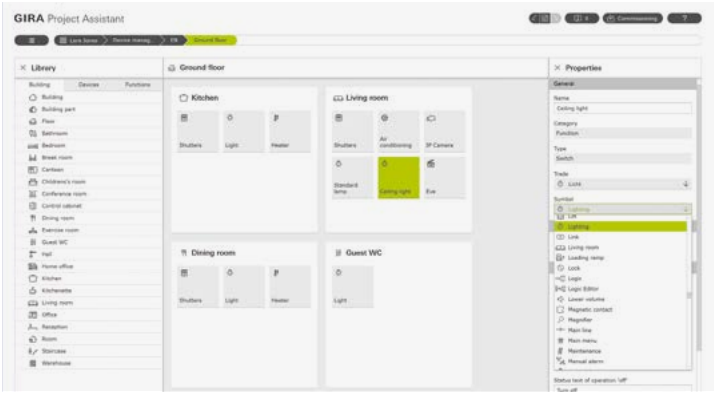


1. Managing projects: The GPA displays projects in a clearly-arranged order. Project progress can be indicated by colours.



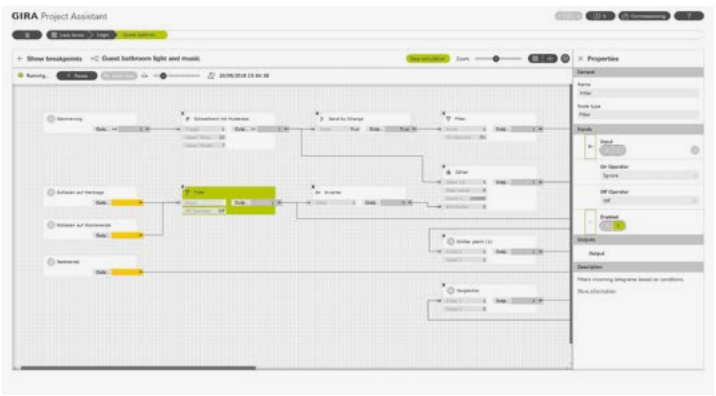
2. Configuring functions: Simple and clear GPA editors help to configure the various building functions in a structured manner.

3. Creating a building: The desired building is created quickly and easily using drag & drop. Devices and functions can be located in the same manner.



4. Designing the interface: In the GPA, functions of intelligent building technology can be arranged by drag & drop in the order that they will then appear on mobile devices. Over 300 Gira pictographs facilitate individual labelling of building parts and functions.

5. Processing logic pages: The GPA features a simple graphic editor for creating logic pages. Numerous logic pages can be used, switched to active or inactive, as well as structured and quickly relocated using tags.



6. Verifying the logic: The simulation function of the GPA makes it possible to simulate and verify the functionality of a created logic in advance: This significantly speeds up the commissioning process.

Gira X1 and L1 in the network

Controlling building technology anywhere in the house with the Gira X1

With its visualisation function and combined with the Gira X1 app, the Gira X1 makes it possible to easily control intelligent KNX building technology from a smartphone or tablet anywhere in the house by means of IP and a WLAN router.

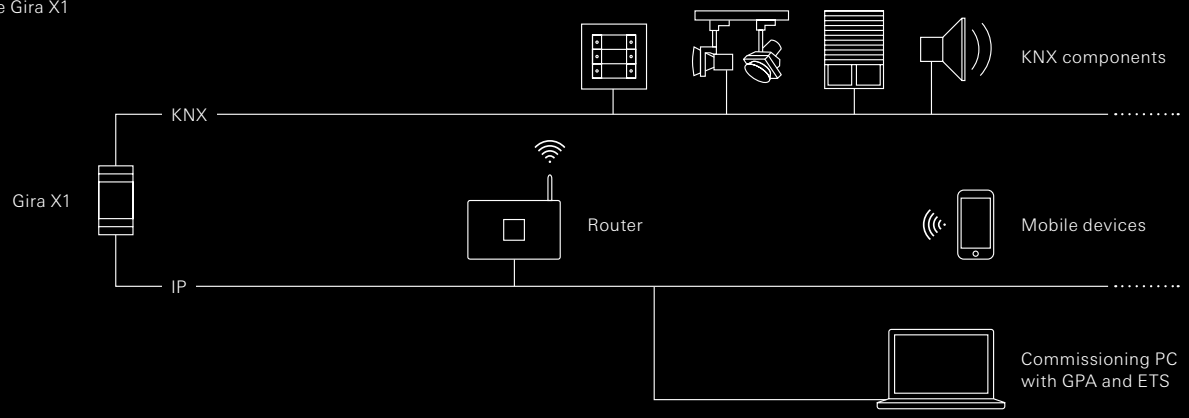
Controlling building technology while on the go with Gira X1 and Gira S1

The Gira X1 establishes a secure external connection via Gira S1 and the Internet, making it possible to control, operate, set up and maintain the KNX system remotely.

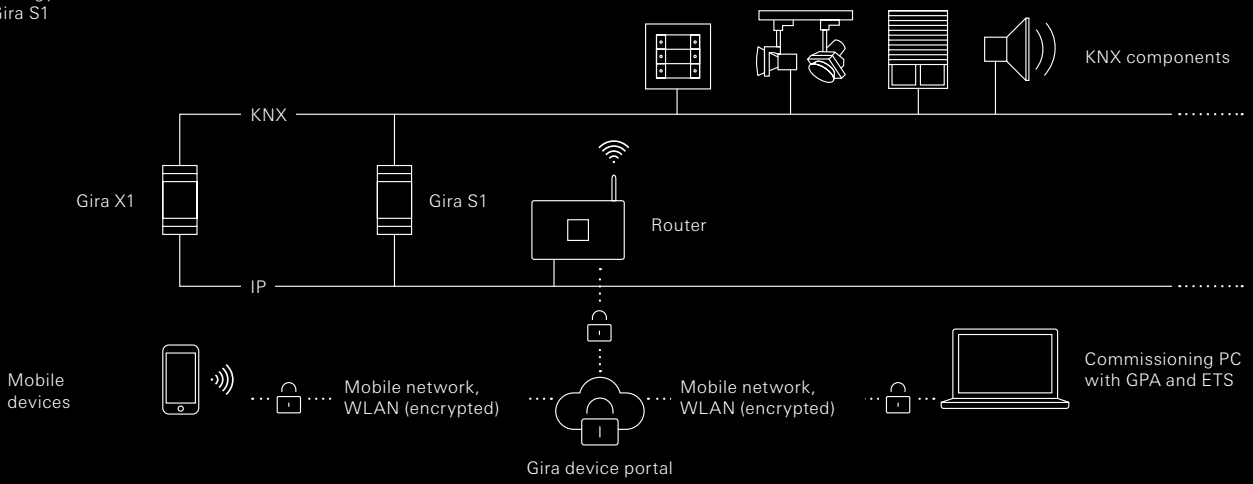
Automating building technology with the Gira L1

The logic module Gira L1 has an IP connection. A PC or laptop can also be connected to the Gira L1 locally, which is necessary for commissioning, configuration and maintenance of the KNX system.

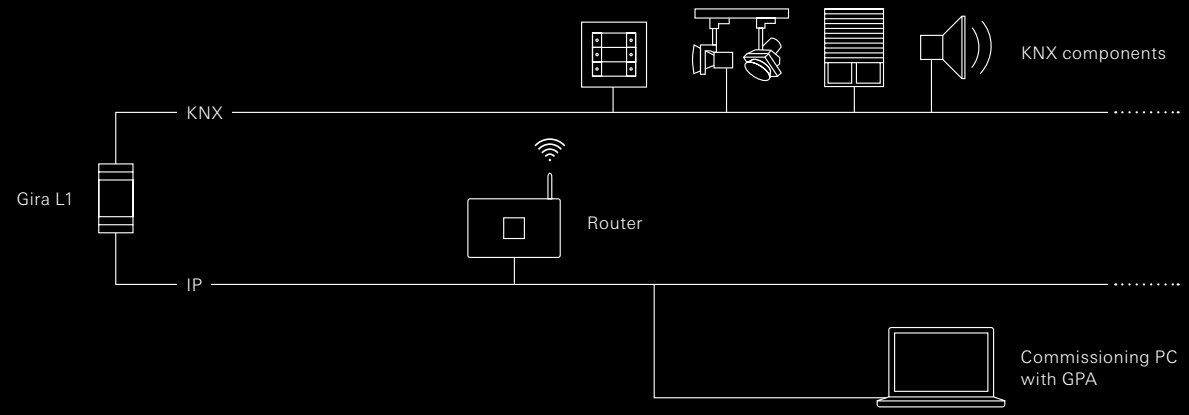
Controlling building technology anywhere in the building with the Gira X1



Controlling building technology while on the go with Gira X1 and Gira S1



Automating building technology with the Gira L1



GIRA

Gira
Giersiepen GmbH & Co. KG
Electrical installation systems

Industriegebiet Mermbach
Dahlienstraße
42477 Radevormwald

P.O. Box 12 20
42461 Radevormwald

Germany

Tel +49 2195 602 - 0
Fax +49 2195 602 - 119

www.gira.com
info@gira.com

Gira UK Ltd

Lakeside House
1 Furzeground Way,
Stockley Park
Uxbridge, Middlesex, UB 11 1BD

Tel +44 203 9368090

sales@gira.com

Representatives around the
world www.gira.com/country

Follow the Gira community
on Facebook, Twitter, YouTube,
Google+, and Instagram.
For more information, please
visit: www.gira.com/socialmedia

Technical data for the Gira X1

- Rated voltage: DC 24 to 30 V
- Power consumption: 4 W (at DC 24 V)
- microSD card: up to 32 GB
- IP communication: Ethernet 10/100 BaseT (10/100 Mbit/s)
- Supported protocols: DHCP, AutoIP, TCP/IP, UDP/IP
- Connections: IP with switch function (2 × RJ45 jacks), KNX (connection and junction terminal)
- Ambient temperature: 0°C to +45°C
- Dimensions: 2 MW

Technical data Gira L1

- Rated voltage: DC 24 to 30 V
- Power consumption: 2 W (at DC 24 V)
- microSD card: up to 32 GB
- IP communication: Ethernet 10/100 BaseT (10/100 Mbit/s)
- Supported protocols: DHCP, AutoIP, TCP/IP, UDP/IP
- Connections: IP with switch function (2 × RJ45 jacks), KNX (connection and junction terminal)
- Ambient temperature: 0°C to +45°C
- Dimensions: 2 MW

System requirements of the Gira Project Assistant

- Operating system: Windows 7, Windows 8, Windows 10
- Free hard drive space: 16 GB
- RAM: 4 GB

Published by:
Gira Giersiepen GmbH & Co. KG

Conception, design concept:
schmitz Visuelle Kommunikation
www.hgschmitz.de

Layout, editing, realisation:
vimago GmbH
www.vimago-medien.de

Picture credits:
schmitz Visuelle Kommunikation
(p. Title, 2-3, 5, 6, 7, 8, 9)
Ueberholz GmbH
(p. 5, 6)
vimago GmbH
(p. 4, 10)

Lithography:
vimago GmbH, Krefeld

Order no. 18691 99 10/18