GIRA

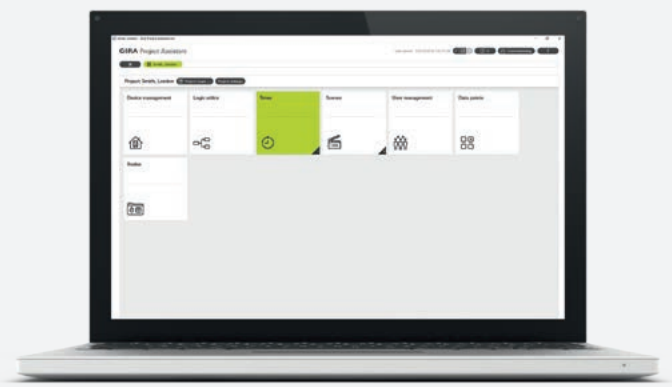
Gira X1 / Gira L1

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 of Gira X1
Sticker for labelling individual pieces of device information

Features

+ Configuration via Gira Project Assistant (GPA)
+ Visualisation
+ Logic functions
+ Scenes
+ Timer switch function
+ IP connection with switch function
+ TP connection
+ Integrated VPN server
+ Encrypted communication with GPA and app
+ Compact DRA 2HP design for top hat rail mounting
+ ETS programming interface
+ Project runtime read-out
+ Project backup on the X1

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 offers a free service for reaching building technology from off site (DDNS).

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 the home easier, more convenient and more economical than ever before. This means more ease and security for users and occupants. The building's systems 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 start-up and configuration make deciding to opt for intelligent building technology easier.

Controlling via app – at home and while away

The user-friendly interface of the Gira X1 app visualises the KNX installation of the home and makes its functions available: Lighting (switching, dimming, and scenes), curtains, blinds, heating control, value transmitter, scenes, timer and much more. Camera images can also be accessed "live". Added to this are customisation options, such as individual selection of a start screen. The project and the user settings, such as timers or favourites, are saved on the Gira X1.

Configuring with the Gira Project Assistant (GPA)

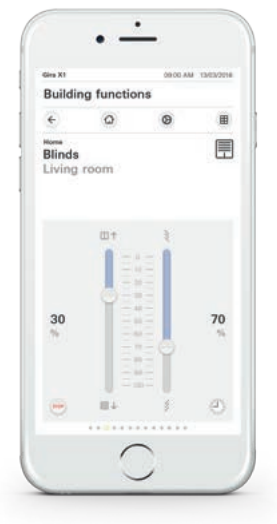
Beyond its function as a visualisation server, the Gira X1 is also able to handle numerous automation tasks in the house. This is achieved by programming scenes and timers. In addition, the Gira X1 has an integrated logic module function, making a node library with 35 logic nodes available, for example staircase lights, shading, PID controllers 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. The Gira X1 features an integrated VPN server to fulfil the highest security requirements. Communication between the Gira X1 and the mobile app as well as the configuration software GPA is always encrypted.

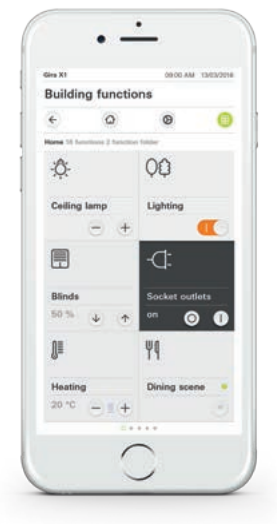
Lighting control

Switching lights on and off, or dimming them to exactly 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.



Curtain & blind control

Raising or lowering blinds, positioning them at a predefined height, and moving curtains to the desired position: the user can control everything using a mobile device – even when on the go.

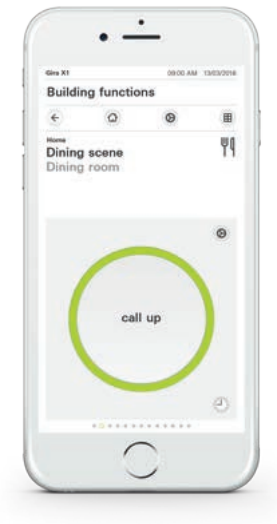


Function overview

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.

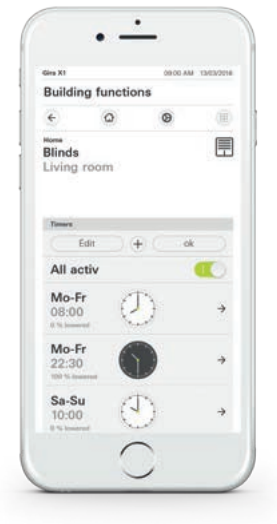
Setting the desired room temperature

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



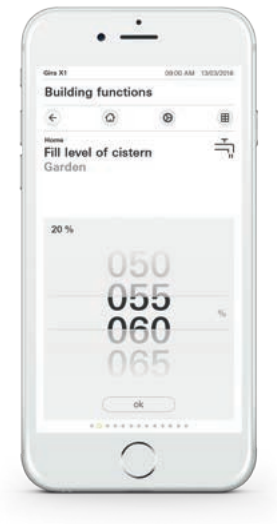
Calling up scenes

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



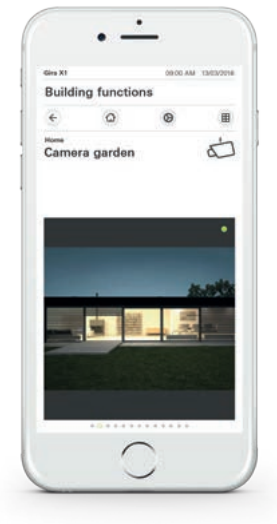
Timers

A timer can be used to control many functions. It allows certain functions to be 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 the blinds and heating: the value transmitter sends the values to the KNX system; the external devices can evaluate these values and execute the respective functions.



Camera monitoring

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

Gira L1

Gira L1

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

The Logic Module in a new design

It can be used for switching on lights in a time-delayed sequence, calling up certain light scenes directly using a touch sensor, controlling room temperature, or setting other logical functions. With the Gira L1, single-family homes and properties of similar sizes featuring a KNX system can be easily equipped with a series of automated comfort functions. Using the intuitive Gira Project Assistant allows projects to be parametrised conveniently in just a few steps and easily modified at any time per drag & drop. A convenient logic editor guides the programmer to the desired effect. Thanks to the simulation, parametrisation errors can be nearly ruled out, while the duration of start-up 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 Gira L1 is installed on a top hat rail in the sub-distribution.

Features

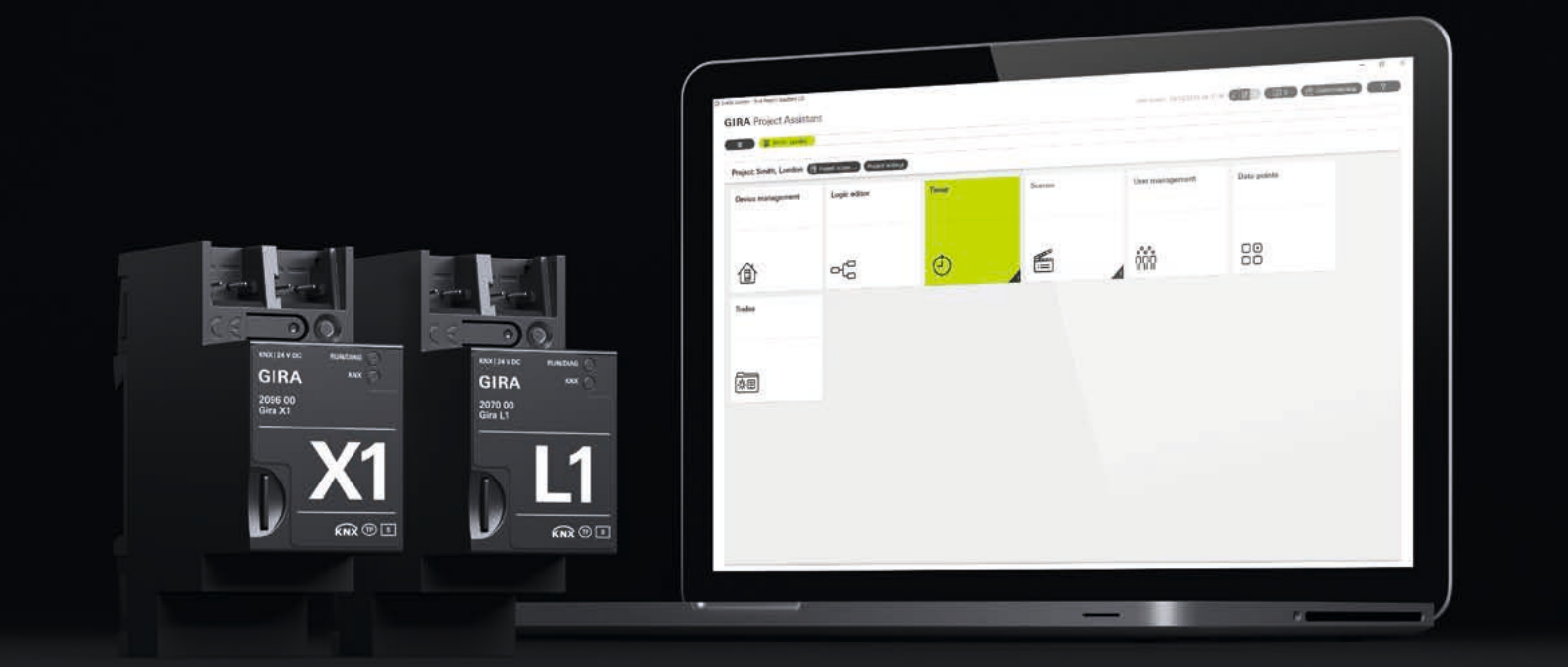
+ Range of functions thanks to node library with 35 logic nodes
+ Configurable logic nodes
+ Functional expansions and updates via firmware and software updates
+ Import function for KNX projects to create data points
+ Up to 300 data points can be used for each project
+ Easy parameterisation of timers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

A comparison of the 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 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	•	•
Integrated VPN server	•	–
ETS programming interface	•	–
Encrypted communication	•	•
Compact DRA 2HP design for top hat rail mounting	•	•

Gira X1
Easy configuration, easy start-up

Anyone that is building a family home or is already using a KNX installation in their house 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: convenience, which is right at the top of users' wish lists these days. The extraordinary variety of functions does not require either additional installation space – the Gira X1 sits in the current distributor and is the size of two automatic circuit breakers – or additional specialists. Thanks to the visual parameterisation of the Gira X1 with the Gira Project Assistant, any installer 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-less logic simulation and the ability to set up or maintain the project remotely via internet and VPN speed up the start-up 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 installers

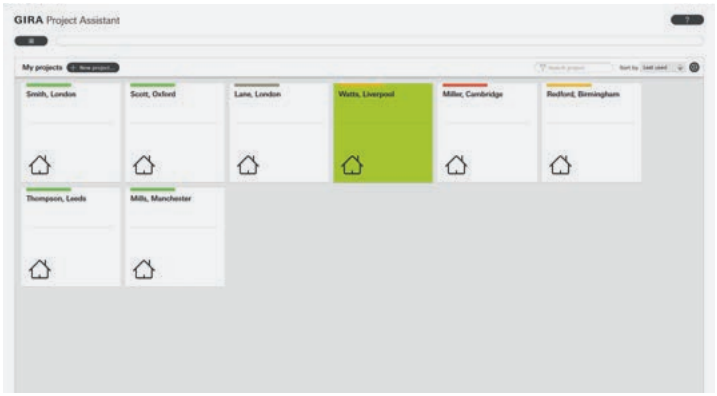
The Gira Project Assistant is so intuitive and user-friendly that minimum training is required. However, so that electrical companies are able to make full use of the opportunities offered by the Gira X1, the Gira Academy offers attendance-based training sessions and online seminars on the Gira X1 and the Gira Project Assistant. The training sessions and seminars are available in English from February 2017.

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: visual and intuitive, by 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.

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

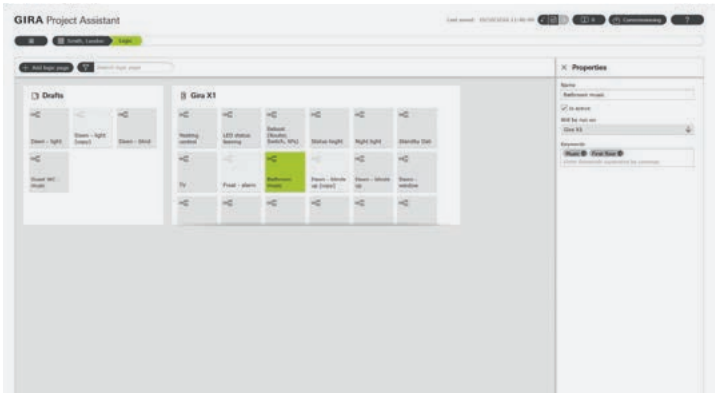


1. Managing projects: The GPA also displays several projects in a clearly-arranged order. Project progress can be indicated by colours.

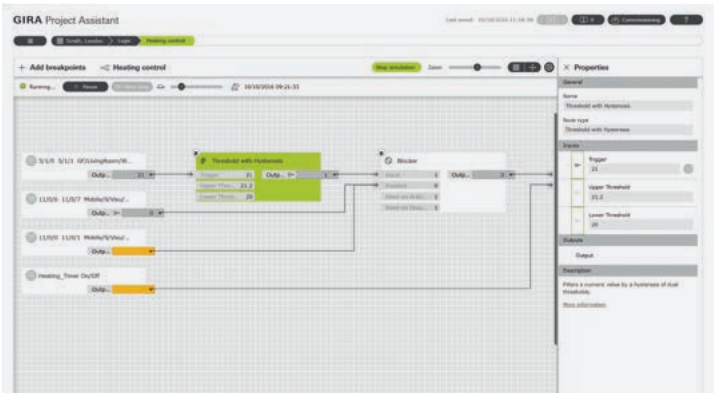
2. Parameterising functions: Simple and clear GPA editors help to configure the various building functions in a structured manner.

3. Creating a building: The desired building is created quickly and easily by 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, structured for daytime and quickly relocated.



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 start-up.

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.

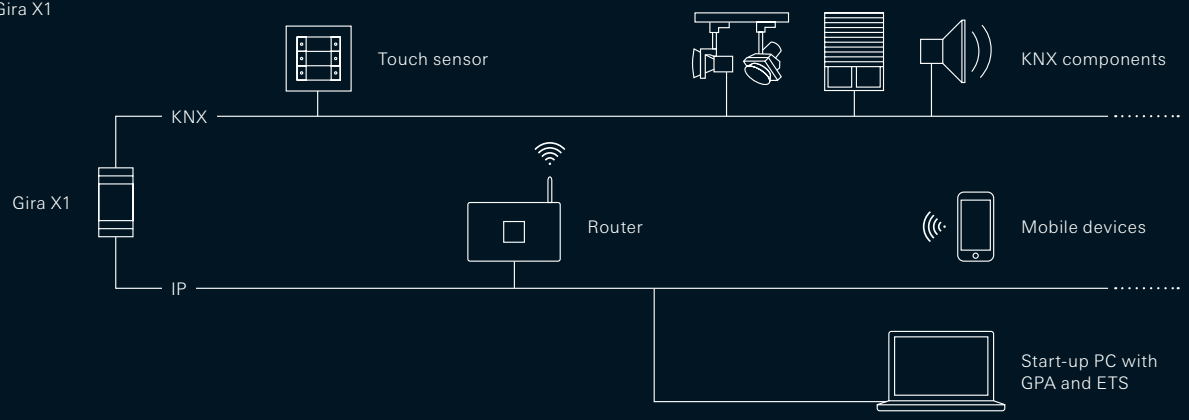
Controlling building technology while on the go with the Gira X1

Because the Gira X1 has an integrated VPN server, it is also able to create a secure external connection over the internet, making it possible to control and operate, as well as set up and maintain, the KNX system remotely.

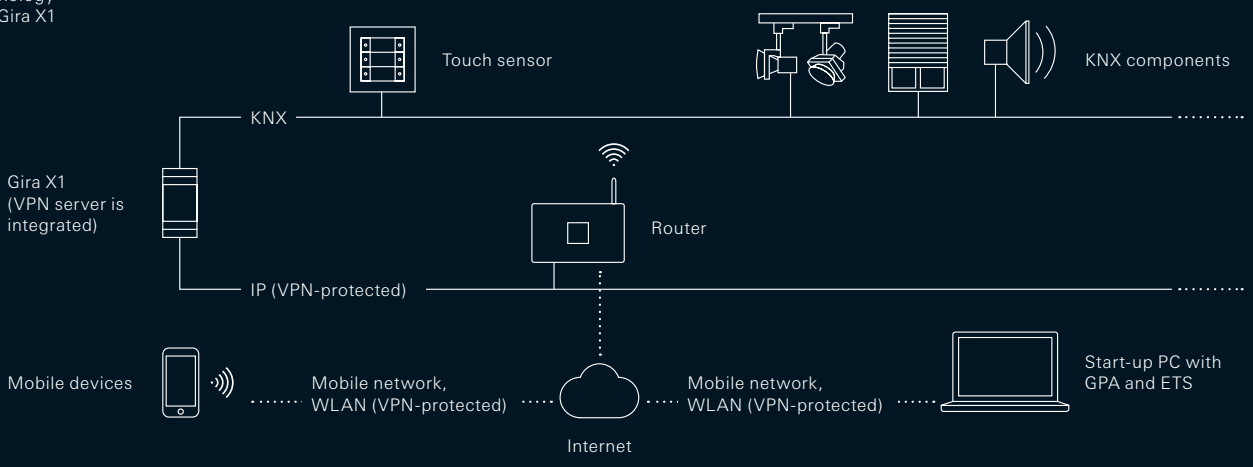
Automating building technology with the Gira L1

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

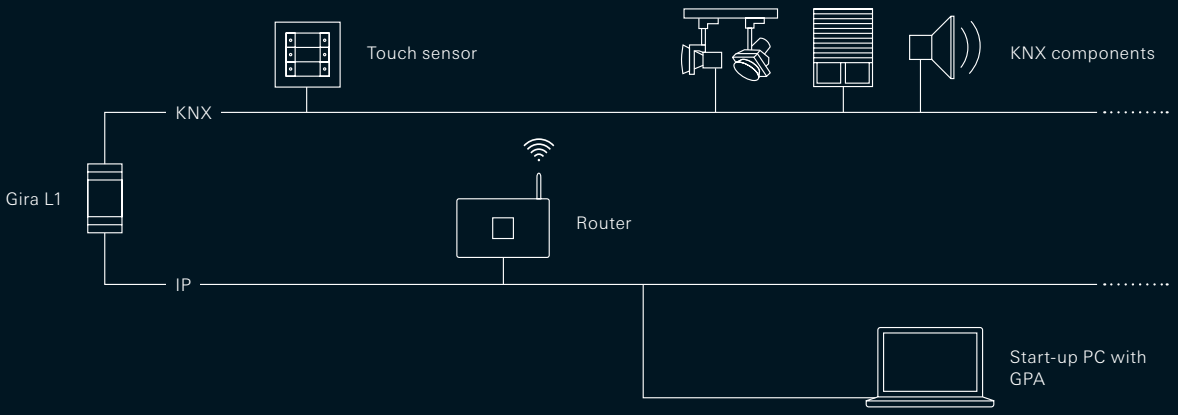
Controlling building technology anywhere in the house with the Gira X1



Controlling building technology while on the go with the Gira X1



Automating building technology with the Gira L1



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Technical data
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 HP

Technical data
Gira L1

- Rated voltage: DC 24 to 30 V
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  2 W (at DC 24 V)
- microSD card: up to 32 GB
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  tion and junction terminal)
- Ambient temperature:
  0 °C to +45 °C
- Dimensions: 2 HP

System requirements
Gira Project Assistant

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

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