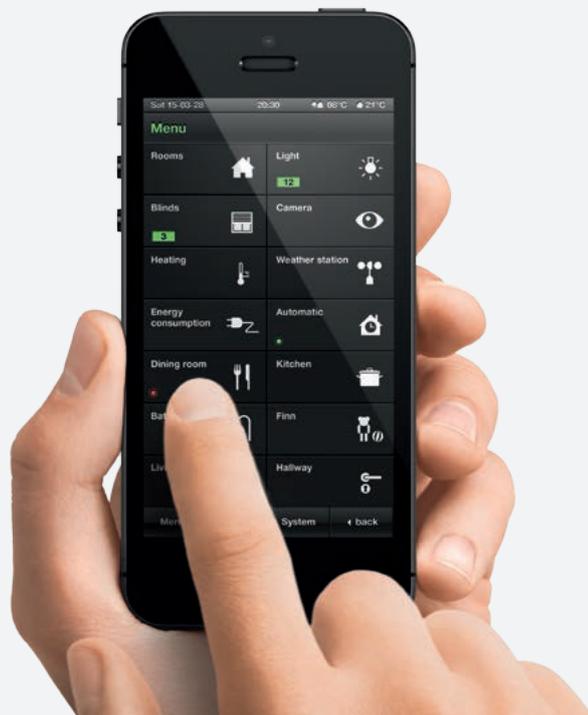


Gira HomeServer

Controlling intelligent building technology easily –
at home or while away



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Gira HomeServer

Controlling intelligent building technology easily – at home or while away

The Gira HomeServer is the on-board computer for the intelligent home. As the interface between the modern electrical installation and the computer network, it controls all components of the building technology networked via the KNX system, and enables the integration of additional technologies such as door intercoms, cameras, and audio systems into the building control. Thanks to the internet connection, all functions can be conveniently accessed using a wide variety of control devices – at home or while away.

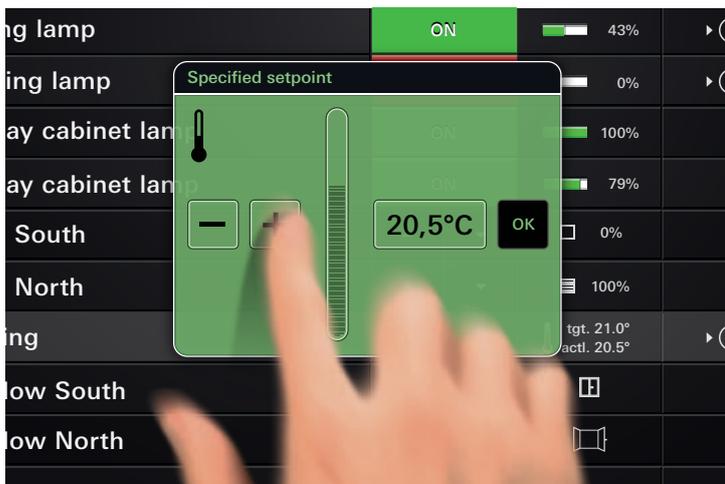


More convenience, security, and energy efficiency

With innovative solutions and unique flexibility, the Gira Home Server sets a new standard for intelligent home networking. A wide variety of applications can be realised extremely easily in conjunction with the KNX installation, providing more convenience, increased security, and improved energy efficiency in the home – and precisely matched to the individual needs and preferences of the occupants.

Diverse application possibilities

The Gira Home Server has a wide range of possible applications: central control of lighting, blinds, and heating; room scenes; multimedia entertainment in all rooms; panic switches; occupancy simulation; unobtrusive alarm systems; requirements-based energy management; evaluation of consumption data; lighting colour control; email messaging, and much more. Virtually any conceivable function can be realised.



Simple operation of innovative functions – at the touch of a finger

With the Gira Interface, the user interface of the Gira Home Server, controlling innovative home technology is child's play. The menu navigation is very intuitive, and all functions are available within two levels. Additional detailed information and operating elements open in pop-up windows. This provides a clear overview and enables convenient operation using the touch screen – with a single finger.



Central control of intelligent home technology – at home or while away

The Gira HomeServer enables all building technology to be controlled centrally using various control devices such as the Gira Control Clients, smartphones, tablets or computer – at home or while away. The system is a valuable supplement to classic KNX controllers such as push button sensors, which enable the various functions to be operated at the press of a button in the corresponding rooms.

Central control of intelligent building technology

At home or while away

With various control devices such as the Gira Control Clients, smartphones, tablets or PCs, the Gira HomeServer enables the entire building technology to be controlled centrally, at home or while away. The system is a valuable supplement to classic KNX controllers such as push button sensors, which enable the various intelligent functions to be operated at the press of a button in the corresponding rooms.

Fig.: Gira Control 19 Client, black glass



Fig.: Gira Control 9 Client, black glass



Gira Control Clients

The Gira Control Clients are the central control devices for the Gira HomeServer and the KNX installation in the home. With their brilliant touch displays, they enable easy control of the entire building technology with a single finger. The Gira Interface, the user interface of the Gira HomeServer, provides quick access to nearly every function with its clear and intuitive menu navigation. The Gira Control 19 Client has a generously sized display with a screen diagonal of 47 cm [18.5"].

As a more compact alternative, the Gira Control 9 Client with a 22.9 cm [9"] display is available. Both devices are equipped with a loudspeaker and microphone, so that they can also be used for audio-visual door communication. A separate home station is thus no longer required.

Fig.: Gira HomeServer/FacilityServer app for iPad and iPhone

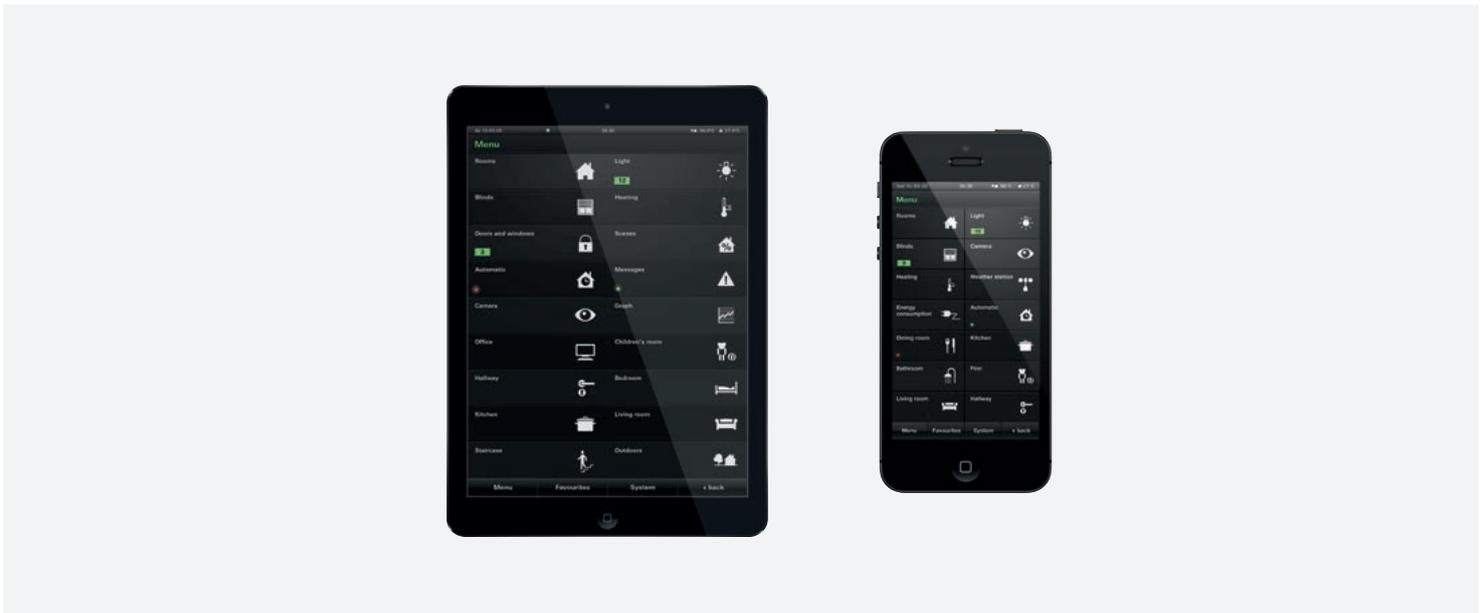


Fig.: Gira Interface on a laptop



iPhone, iPad, iPod touch

The Gira HomeServer/FacilityServer app enables the convenient, mobile operation of the entire building technology via an iPhone, iPad, iPod touch, or Android device. The app for controlling the Gira HomeServer and the KNX installation in the home comes with the uniform Gira Interface design. It provides a complete overview of your building technology and easy access to virtually all its functions, regardless of where you are.

Laptop or PC

The entire building technology can also be controlled on a laptop or PC via the Gira Interface – throughout the entire home, at work, or while travelling. Navigation is convenient using a mouse or keyboard.

Simple operation of innovative functions

The Gira Interface

With the Gira Interface, the user interface of the Gira HomeServer, controlling innovative building technology is child's play. The menu navigation is very intuitive, and all functions are available within two levels. Additional detailed information and operating elements open in pop-up windows. This provides a clear overview and enables convenient operation using the touch screen – with a single finger.

Fig.: Gira Control 19 Client, white glass





Status bar

Date, time, and data from a weather station are installed and displayed in the status bar.

Control level

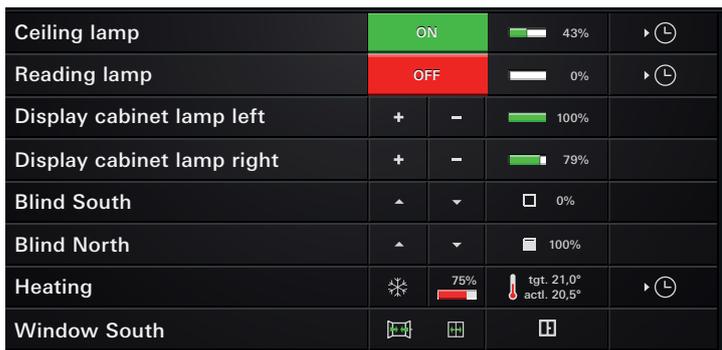
The control level is divided into different areas that can be operated independently. Building control occurs on the left side, while on the right side, various individual functions such as cameras, news services in RSS format, weather, email, temperature graphs and music control can be configured.

Navigation bar

The bar always remains visible, and the arrangement of the navigation keys is predefined. This allows the user to return to the main menu or jump to other areas at any time with one operational step.

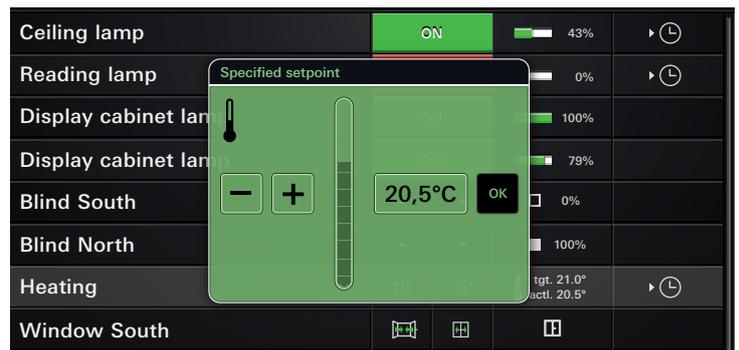
Simple operation of innovative functions

The Gira Interface



Function display

All devices in a room and their statuses can be seen at a glance. All functions can be operated directly from this display.



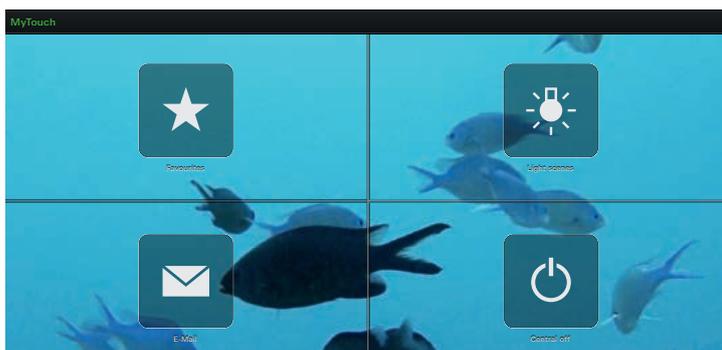
Pop-up menu

Detailed information and operating elements do not open up on another level but within a pop-up menu over the list view. This ensures concise, clear operation.



Favourites

The "Favourites" menu item is a collection point for the most frequently used settings. For example, lighting scenes and frequently used functions can be stored here.



MyTouch

A custom start screen lets you configure your own screen background and place frequently used functions in a central location.



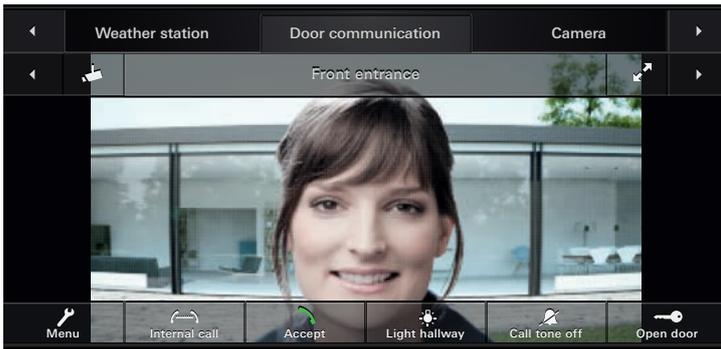
Filter function

Various functions can be filtered depending on their status and displayed across all rooms. For example, it can be used to list all open windows before leaving the home.



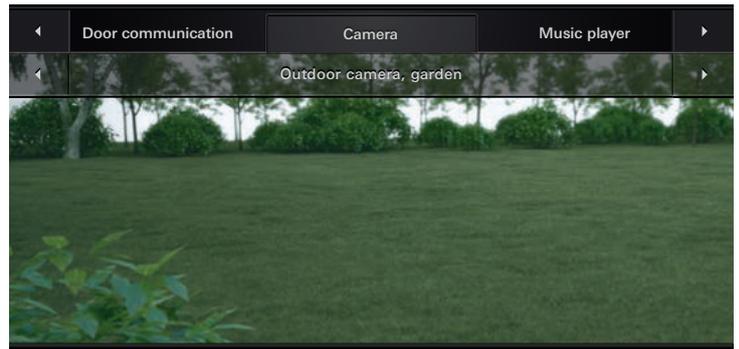
Music control

The Gira HomeServer can play your favourite songs as soon as you come home in the evening. Direct control of the Media Player is integrated.



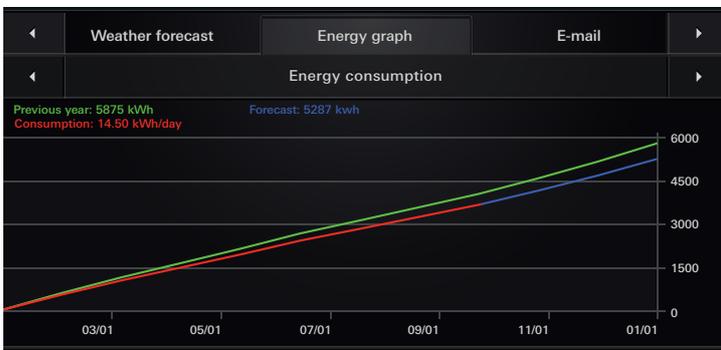
Door communication

See who is at the door and simply open it. Audio-visual door communication can be integrated in the Gira Interface via a plug-in.



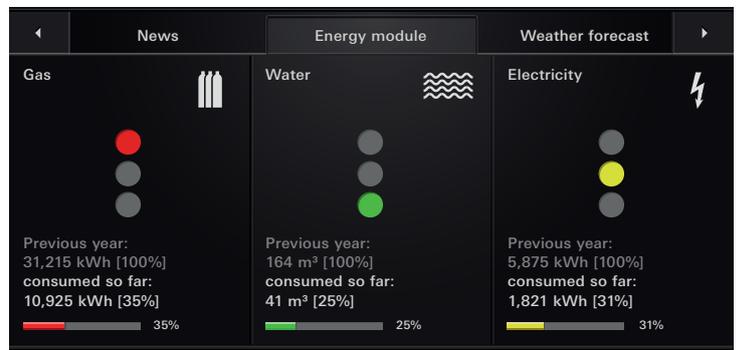
Cameras

See who is in the garden or at the gate in one operational step by calling up views from various cameras on the grounds.



Data evaluation

Operating and consumption data are recorded continuously. Trends can thus be analysed, comparative calculations made and the opportunities for savings identified.



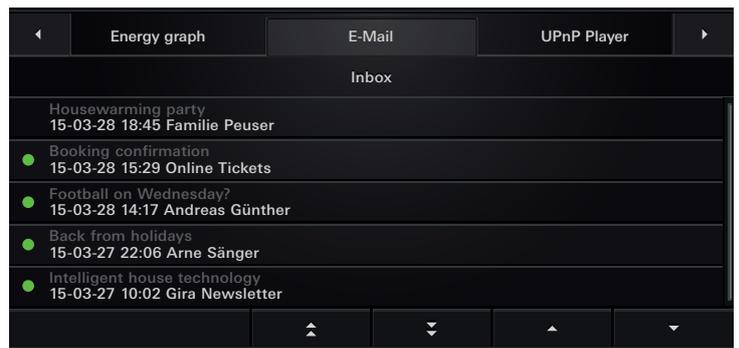
Energy module

Compare consumption data clearly and concisely with data from the previous year to quickly assess whether gas, water and current consumption is acceptable.



Weather forecast

See at a glance what the weather will be like, worldwide. An international weather service is available free of charge in the Gira Interface.



Email and news services

The Gira Interface can be used to retrieve, read, and organise emails. News reports and blog feeds can also be displayed in the RSS 2.0 format.

More convenience

The possibilities of intelligent building technology

Intelligent building technology by Gira makes living even more convenient and pleasant, with functional details perfectly matched to the individual needs and preferences of the occupants. Seamlessly integrated in the ambiance, a wide spectrum of functions generate a perfect feel-good atmosphere throughout the entire home. These functions include the central control of lighting, blinds and heating, room scenes, multimedia entertainment in all rooms, requirements-based single-room ventilation and heating control, fully automatic outside watering, and much more.



Central control of the entire building technology

The Gira Control Clients are wall units in the hallway or kitchen that give all occupants a constant overview of the entire building technology. They enable convenient, central control of all functions such as lighting, blinds, and heating. The Gira Interface provides quick access to a wide variety of applications such as lighting scenes, temperature control, and door communication.



Convenient remote control of all functions

Virtually every intelligent function can be controlled remotely at any time using a smartphone or tablet – from your couch at home, on the train, or from your desk at the office. If you forget to turn off the light one time, for example, you can still do that no matter where you are. The Gira HomeServer/FacilityServer app delivers all the features in the familiar Gira Interface design, optimised for the device's screen display size.

Sa 15-03-28			
Scenes			
Relaxation	Call up	Learn	▶ ⌚
Visitor	Call up	Learn	▶ ⌚
Party	Call up	Learn	▶ ⌚
TV	Call up	Learn	▶ ⌚
Dinner	▲ ▼ ▶ 🗑️		▶ ⌚
Music	▲ ▼ ▶ 🗑️		▶ ⌚
Read	▲ ▼ ▶ 🗑️		▶ ⌚

Creating and calling up individual scenes

Lighting, blinds, heating, and music control can be linked to create complex scenarios. They can be combined individually and also modified at any time. For example, a scene can be started when the TV is switched on: Depending on the time of day, the blinds or shutters are adjusted to achieve shade, the lighting dimmed, and the audio system set to a predefined volume.

Sa 15-03-28			
Heating			
Living room	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 21.0°	▶ ⌚
Bedroom	🏠 ⏪ ⏩ 🔥	Target 18.0° Actual 18.0°	▶ ⌚
Kitchen	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 20.5°	▶ ⌚
Children's room	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 21.0°	▶ ⌚
Dining Room	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 21.0°	▶ ⌚
Office	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 20.0°	▶ ⌚
Bathroom	🏠 ⏪ ⏩ 🔥	Target 23.0° Actual 23.0°	▶ ⌚
Guestroom	🏠 ⏪ ⏩ 🔥	Target 21.0° Actual 20.5°	▶ ⌚

Operating mode

Target 21.0°C

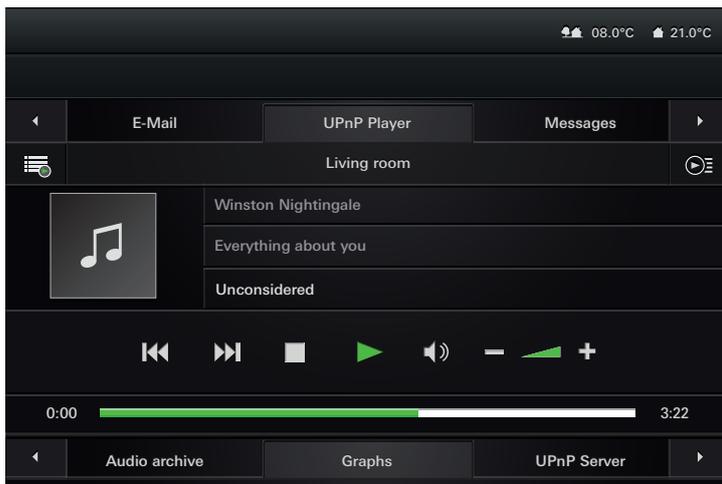
🏠 Comfort 🏠 Standby

🌙 Night ❄️ Antifreeze

OK

Perfect, comfortable temperatures in every room

Individual temperature preferences may vary considerably depending on the season, the circumstances, and the person. Most people like a warm and cosy bathroom on winter mornings. However, a pleasantly cooler temperature is often preferred in the bedroom at night. With its single-room control and configurable heating schedules, the Gira HomeServer always delivers the right temperature – at any point in the home, and precisely when it is needed.



Playing music anywhere in the home

Jazz in the kitchen, classical music in the living room, and stories in the children's bedroom – the Revox multiroom system or UPnP Control plug-in enable music and other audio content to be distributed and controlled throughout the home. The system can be operated conveniently with the Gira Control Clients, computer, or the Gira control units for the Revox multiroom system. By networking this with the Gira HomeServer, the music control can also be directly integrated into room scenes.



Perfectly integrated door communication

With the Gira HomeServer, door communication can be easily integrated into the building control system. For example, you can view the front door, use the talk-back function, and conveniently open the door with a click of the mouse – all from the computer in your home office. Of course, door communication is also possible via the centrally mounted Gira Control Clients. A dedicated home station is no longer needed.



Fully automatic watering

The Gira HomeServer also thinks for itself outside: Lawn sprinklers and watering systems can be started up automatically, when needed. The system can decide for itself when and how much watering is necessary. This decision can be based on data from the KNX weather station, for example, or online weather forecasts.



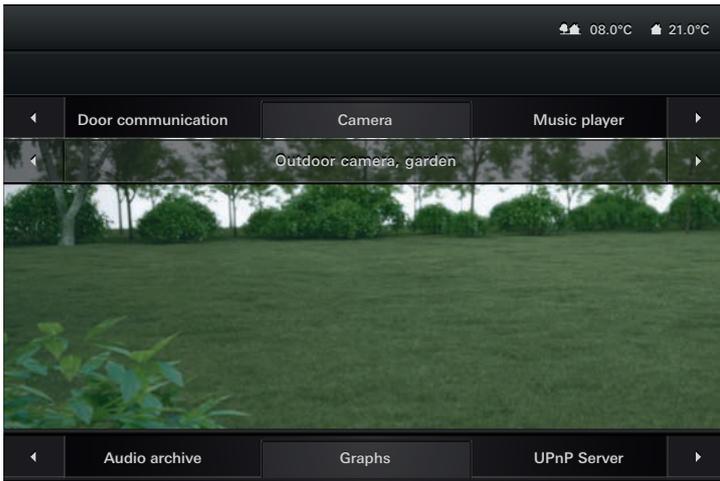
'Welcome home' scene

When the front door is opened, a personalised 'welcome home' scene can be started either automatically or at the press of a button. This scene can be configured precisely to the individual needs and preferences of each occupant. For the perfect feel-good atmosphere, a suitable lighting mood is generated in the living room, for example, while the audio system starts playing your current favourite CD and the bathroom is warmed up – there are no limits to the imagination.

Increased security

The possibilities of intelligent building technology

An intelligent KNX installation by Gira offers a highly diverse array of security functions to ensure peace of mind at all times. The system offers solutions for a wide variety of risks, such as burglary, fire, or severe weather, providing ideal protection for the home and its occupants. Panic switches, discreetly located cameras, automatic alarms to mobile devices, central cut-off for electrical devices, occupancy simulation, and many other features provide a more secure feeling in the home.

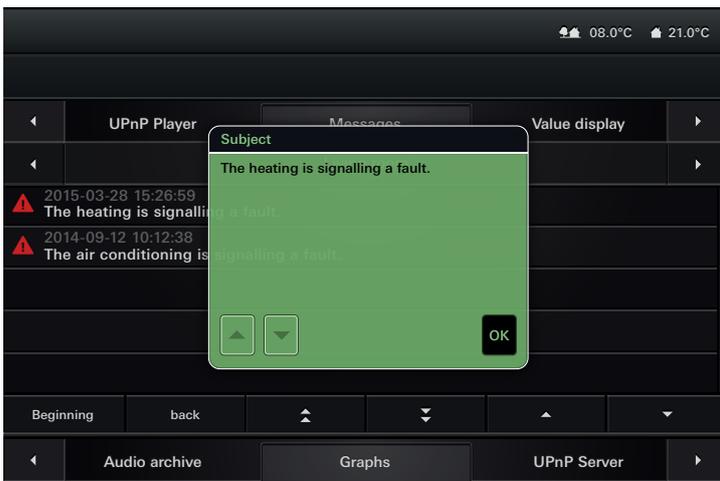


The complete property at a glance

The Gira HomeServer enables any part of the grounds to be viewed at any time – on the centrally mounted Gira Control Clients, on a computer, or on a smartphone or tablet while away. Cameras can be integrated directly into the building control via the network. If a motion detector registers activity, camera images from that particular area can be recorded and stored.

A sense of security thanks to panic switches

A panic switch installed right next to the bed, for example, can be quickly activated if suspicious noises are heard at night or if the sensors detect movement in the garden. With one press of the button, all the lights in and around the house will be turned on and the cameras will immediately start recording. The sudden brightness has a deterrent effect, which usually causes intruders to flee.

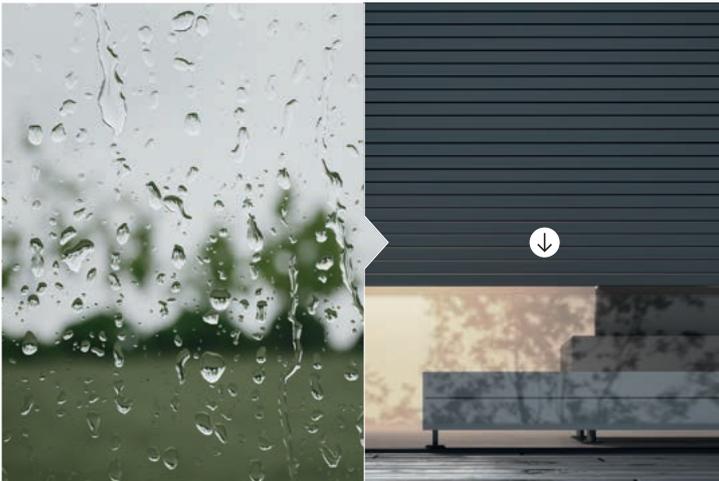


Safety in case of technical defects

Sensors fulfil important monitoring functions and control, for example, networked home appliances such as stoves, refrigerators, dishwashers, deep-freezers, and washing machines. If the washing machine springs a leak, the refrigerator door is left open, or the heating fails, then the Gira HomeServer will immediately send a malfunction warning. This allows the occupants to react to the problem quickly before any more damage is caused.

Smoke and fire hazard prevention

When a Gira smoke detector registers fire or smoke, the Gira Home Server immediately takes action. Initial countermeasures are triggered automatically: blinds are raised, the front door is unlocked, and the light in the escape route is switched on. If the occupants are absent, they are notified with a call or a text message. When installing smoke detectors with forwarded warnings to other smoke detectors or the Gira Home Server, DIN 14676 and DIN VDE V 0826-1 must be observed.



Protection during severe weather and storms

In case of dangerously high wind speeds, the KNX weather station sends a message to the Gira HomeServer, which in turn ensures that the house is in a state to withstand a storm. Awnings are then automatically retracted, for example, and windows, skylights, and garage doors are closed. The shutters on the side of the house facing the wind are automatically lowered.



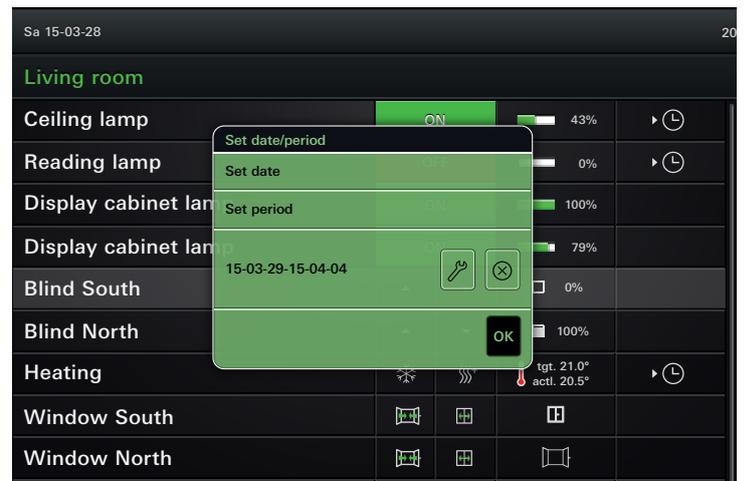
Switching off all electrical devices at the press of a button

All electrical devices can be switched off by pressing one button in the entrance area. This means that worrying about whether the hobs or the iron are switched off is a thing of the past. This central cut-off function can also be coupled directly to the door lock, if desired.



Alarm messages to mobile devices

Stay informed of suspicious activities in and around the house at all times. Alarm messages can be delivered via text message, email, or phone call when electrical components such as automatic switches, motion detectors, window contacts, glass breakage sensors or contact sensors are activated.



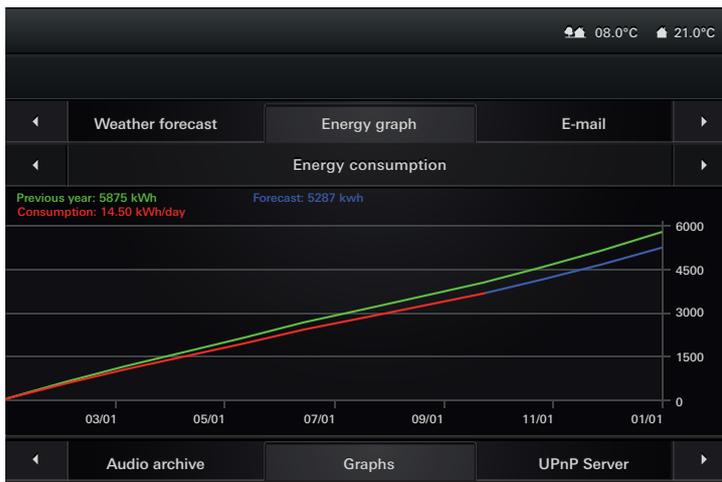
Occupancy simulation during holidays

The occupancy simulation function simulation allows you to relax on holiday by realistically replicating user behaviour in the home via an intelligent recording function, thereby successfully deterring any burglars. Blinds are opened in the morning and close at varying times in the evening; lights are switched on and off, and even the television comes on occasionally – there is a multitude of options.

Improved energy efficiency

The possibilities of intelligent building technology

With its up-to-date energy management features, intelligent building technology by Gira not only helps to save money, but also protects the environment. By perfectly coordinating different technologies, energy use is reduced to a minimum and fine-tuned precisely to individual requirements by means of a wide variety of sensors and timed functions. Easy-to-understand diagrams let you conveniently check consumption at any time and quickly make adjustments when needed.



Centralised energy management

Use energy only when and where it is needed. By intelligently combining various technologies and devices and through time and requirements-based control, the Gira HomeServer not only offers more convenience and security, but also helps to save energy. This saves money, protects the environment and conserves our dwindling natural resources.

Windows open, heating off

The system detects when a door or window is opened by means of door and window contacts. After a defined time, the heating will then be automatically turned down in that particular room until all windows and doors are closed again. This prevents unnecessary heating, whilst ensuring that rooms always remain sufficiently heated.



Energy-efficient single-room control

A separate profile can be created for each room to schedule heating and ventilation – for example in the mornings and evenings for the bathroom. The temperature can also be individually controlled with the Gira push button sensor 3 Plus. The result is a temperature control that is economical and adapts itself perfectly to the needs of the occupants, meaning that heating and ventilation never run unnecessarily.

Requirements-based temperature control

With temperature sensors and positioning motors on the heating valves, the system detects if the available flow temperature is too high or too low. This function can be adjusted automatically depending on the average outdoor temperature. It ensures optimum energy utilisation all year long throughout the entire house and prevents unnecessary costs.



Perfect interaction of blinds and heating

The energy of the sun can be intelligently integrated into temperature control via the perfect interaction of blinds and heating. In winter, the blinds are raised when the sun is at a favourable angle to reduce the amount of heating required. In summer, unnecessary energy consumption can be avoided by lowering the blinds automatically at just the right time, to reduce the load on the air conditioning system.



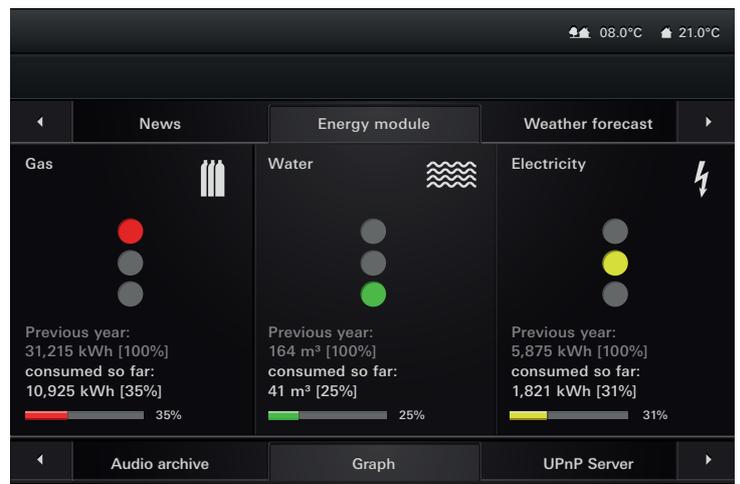
Automatic light control

Presence and motion detectors ensure that lights are automatically switched on just when they are needed. If no motion is detected for a certain time, the light switches itself off again. In combination with brightness sensors, it is also possible to provide only as much luminosity as is actually needed.



Central cut-off function

In the entrance area, the central cut-off function enables all power-hungry devices to be switched off with the press of a button. This guarantees that no device is using power unnecessarily. The central cut-off function can also be coupled directly to the door lock if desired.



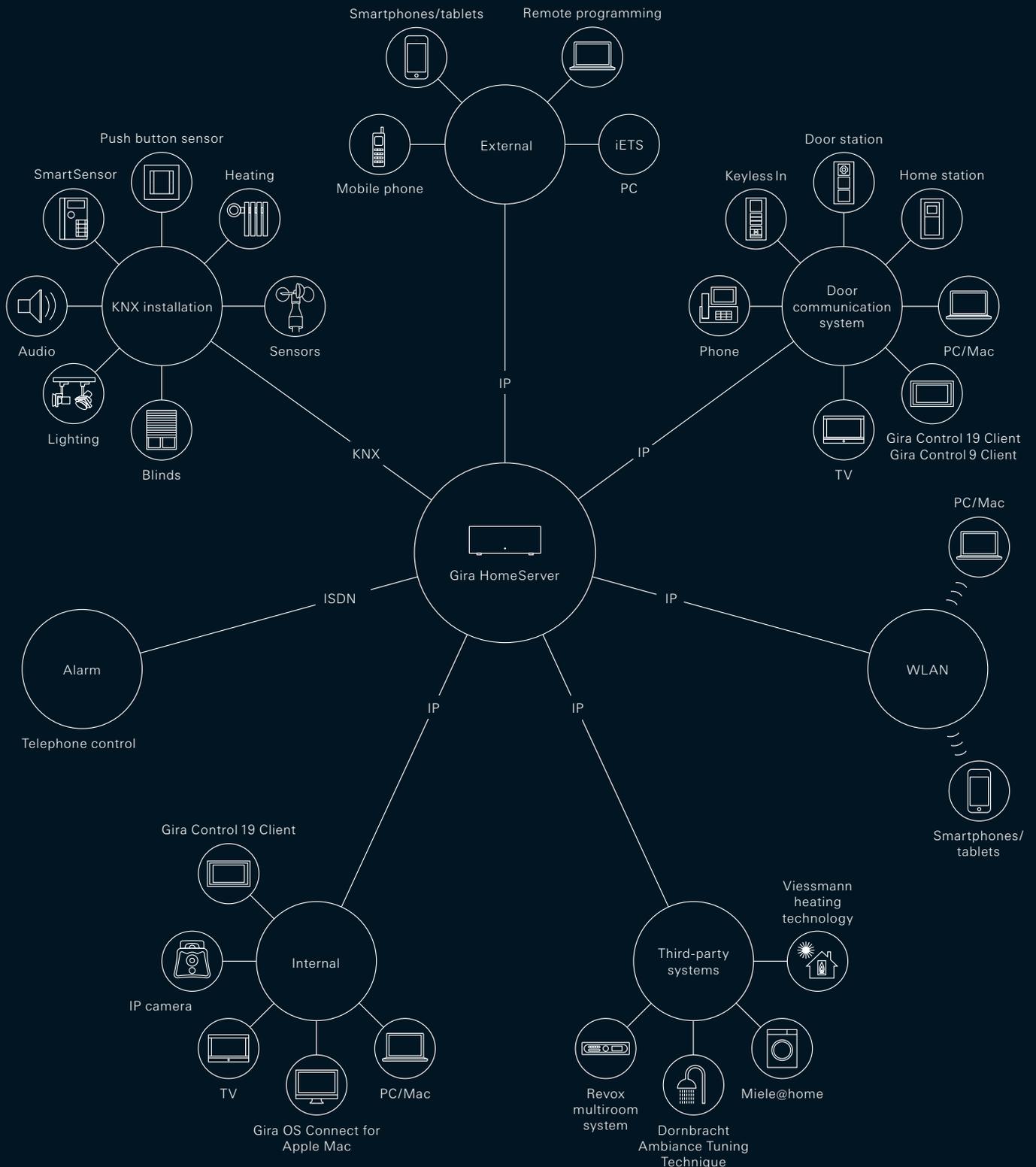
Constant overview of consumption data

The Gira HomeServer continuously records and stores operating and consumption data for electricity, water, gas, and/or fuel oil. Trends can be tracked for the whole year by means of clear diagrams. If strong deviations from average consumption occur, this is quickly detected with the energy module. In this way, energy management can be simply optimised and adapted to individual requirements.

Gira HomeServer

System overview

The Gira HomeServer controls the entire KNX installation in the home and connects the system to the local computer network and the internet via the global TCP/IP internet standard. This enables users to access virtually all of the building technology's intelligent functions from anywhere using a variety of control devices, and to integrate numerous other technologies into the building technology, such as door intercoms, cameras, or audio systems.



Gira HomeServer

System benefits

With use of a genuine client-server model, the Gira HomeServer offers a high level of flexibility when accessing a wide variety of operating devices. Additional technologies can be easily integrated into the building control system via the open IP interface.

Client-server model:
Licence-free access with every device

The application concept of the Gira HomeServer is based on a genuine client-server model. This enables users to access the HomeServer with a nearly unlimited number of different control devices. Licences for individual devices are not required.

Gira DCS IP gateway:
Perfectly integrated door communication

The DCS-IP-gateway enables connection of the Gira door communication system to the computer network and thus to the HomeServer. A plug-in integrates the control into the Gira Interface, thus enabling audio-visual door communication via the Gira Control Clients and the computer.

Open IP interface:
More flexibility in building control

The Gira HomeServer communicates via an open IP interface. It can therefore be accessed by any device that also has an open IP interface and is configured accordingly.

Revox multiroom system:
100% compatibility

The IP interfaces of the Revox multiroom system and the Gira HomeServer are perfectly matched. A plug-in enables the Revox control to be integrated into the Gira Interface and displayed with the familiar appearance of the Revox user interface.

Training and support

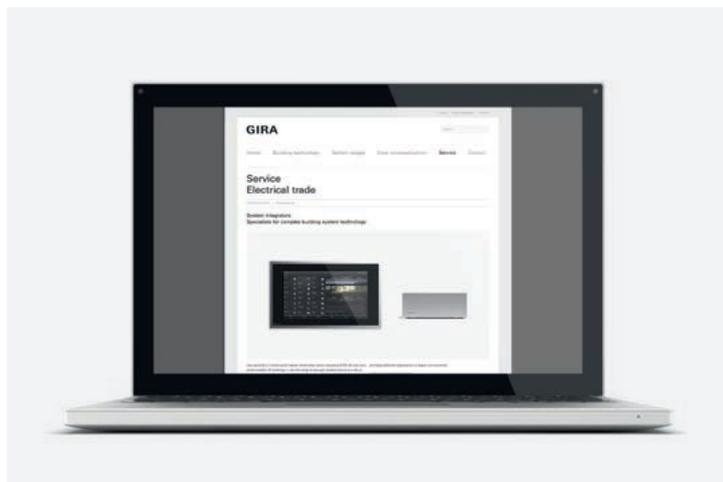
A broad spectrum of offers for electrical contractors

The Gira Academy provides numerous training and information offers for the planning, installation and commissioning of a Gira HomeServer KNX installation. Through the Gira System Integrator concept, specialists are available anywhere in Germany and Austria to support electrical contractors during the realisation of projects.



Gira Academy

The Gira Academy offers electrical installers, planning engineers and electrical supply wholesalers a way to expand their knowledge about the Gira HomeServer, KNX installations, and network technology. Courses range from beginner seminars and user training sessions through to in-depth courses for advanced participants. With traditional face-to-face seminars, online seminars, and online distance learning courses, the right learning method is available for everyone. All of the Gira Academy's training offers have been awarded the e-academy seal of quality of the ZVEH (German Central Association of Electrical and Information Technology Contractors). www.academy.gira.com



System Integrators

System Integrators are companies with specialist know-how and unique expertise in consulting, project planning and the commissioning of IP products for building control systems such as the Gira HomeServer. They provide technical support and maximise functional capabilities, particularly when networking with third-party products such as multiroom and telephone systems, for example. System Integrators are solely service providers, or provide services together with installation, and are available for joint projects with electrical contractors who use KNX. In such cases, they work on behalf of the electrical contractor in charge of the project. However, they assume full liability for the work they perform. www.gira.com/systemintegrators

Technical data



Features

- Updatable.
- Management of 200 users. Multiple logins possible under a single user name. Archiving of projects with your own content, such as floor plans etc.
- Cyclic/triggered data recording (e.g. temperature curves, operating hours, fill levels). Graphic display.
- Graphic user interface: Visualisation of building and device statuses with freely positionable icons and text. Storage of customised images and menu structures for each user group.
- Evaluation of IP cameras, e.g. from Mobotix: Recording of images and playback in the visualisation. Forwarding of footage and images via email and FTP. National requirements, e.g. protocol-specific information and communications standards (e.g. ISDN, SMS, etc.), must be taken into account.
- Export of data or alarm records in Excel™, CSV, HTML or XML file formats.
- Mathematical functions (e.g. basic arithmetic operations).
- Storing/calling up of lighting scenes.
- Time clocks, weekly programs, public holiday calendar.
- Error messages, readings, and sensor or actuator states can be transmitted by text message or email. Acknowledgement via KNX or phone.
- Switching by phone call.
- Self-teaching occupancy simulation.
- Remote programming via network, internet, or data communication lines.
- Sending ASCII texts to the Info Display 2.
- IP coupling with third-party products that generate or process IP telegrams for device control.
- Low wear, as there are no moving parts such as fans or hard disks.
- Graphic logic editor: Enables module groups to be copied across projects, for example, or any number of work sheets to be created. More than 150 predefined logic modules are available.
- Importing and exporting global libraries.
- Communication objects: Data transfer from ETS by means of OPC or HSXML files (ETS add-in). Import and export of communication objects as CSV file.
- Universal time clock: Several switching points per clock possible. Use of placeholders for day, month, year. Activation/deactivation by means of a communication object. With Astro and random function.
- Data backup/restoring retentive data.
- 14-byte KNX texts: Evaluation by comparison with text string. Use in text messages, emails, status page.
- Receiving IP telegrams: Specification of an address range, extraction of 14-byte KNX texts, allocation to 14-byte KNX texts.

- SNMP: Reading numeric and 14-byte KNX texts. Setting numeric values, integer values, and texts. Transmitting SNMP traps via HomeServer commands. Optional ColdStart Trap when starting the HomeServer. Operation/status display via Agfeo telephone system.
- Bus access via KNXnet/IP protocol.
- Evaluation of web-based IP devices (read/write).
- iETS server: Remote programming of KNX systems (secure operation ensured). Enabling of iETS function with a communication object. HomeServer continues to run without restriction during programming via iETS. Switching processes continue to run. Process image remains current.

Technical data

- Connection options
 - Serial port: 1 × RS232
 - Network: 1 × RJ 45, 10/100 Mbit Ethernet
 - KNX system: via IP router, USB data interface
 - USB: 2.0 type B
 - ISDN: via USB ISDN adapter
- Power consumption: approx. 15 W
- Ambient temperature: 0°C to +40°C
- Dimensions in mm: W225.5 × H90.5 × D231.5

Note

- Additional information: www.gira.de/homeserver.
- Technical specifications may vary or change depending on version. The scope of performance may also vary between individual clients (QuadClient, iOS app, Android app).
- Recommended system requirements for control devices: The internet browser of any control device must support at least HTML 4.0, Java Script 1.1, CSS and Dynamic HTML.
- HomeServer expert software for operating systems from Windows XP™ up, including Internet Explorer version 6.0 and up.
- Transfer of ETS group addresses from ETS 2, 3, and 4.
- Integration of graphics programs.

Scope of delivery

- Mains cable
- Null modem cable
- Quick-start guide
- HomeServer 4

Intelligent building technology by Gira

Innovative products, systems and solutions

Intelligent building technology by Gira offers more convenience, increased security and a great deal of flexibility and mobility for your home. Gira develops and manufactures systems and products that set the standard in design and technology.

Fig. (from left to right): Series control switch, touch dimmer, automatic control switch 2



Lighting control

A wide range of products are available for switching and dimming lights: dimmers, button switches, rocker switches, pull-cord switches in a range of models, as well as solutions for automatic and requirements-based light control.

Fig. (from left to right): Blind control button, key switch, "easy" electronic blind controller



Blind control

The various solutions for electronic blind control provide more convenience in the home. Blinds, shutters, and awnings can be controlled fully automatically. Of course, manual operation remains possible at all times.

Fig. (from left to right): Room temperature controller, continuous controller, ambient air CO₂ sensor



Air conditioning/heating control

Gira products for air conditioning and heating control provide and maintain an ideal room climate. The product range includes room temperature controllers, continuous controllers, and air sensors for measuring CO₂ content in the air.

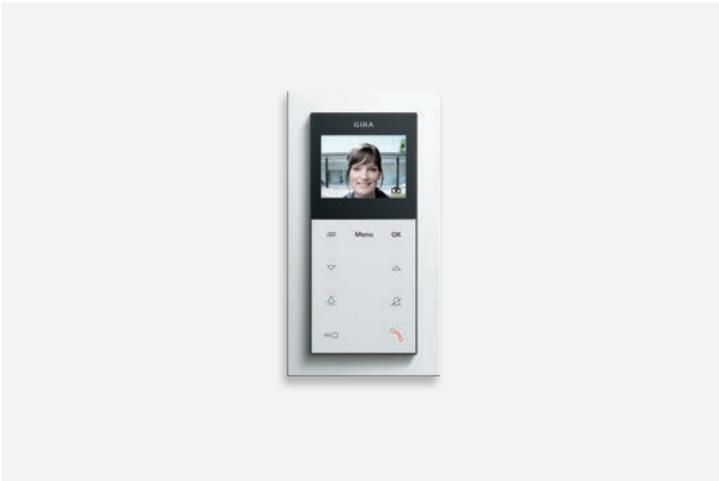
Fig. (from left to right): Gira RDS flush-mounted radio, Gira M217/M218 control unit for the Revox multiroom system



Music control

The Gira RDS flush-mounted radio simply sits in the wall, just like the light switches and electrical sockets. And with operating units for the Revox multiroom system, Gira also offers a high-quality system solution for music control throughout the entire home.

Fig.: Gira surface-mounted home station video Plus



Door communication system

The Gira door communication system (DCS) offers solutions for every indoor and outdoor requirement: door intercoms matching the Gira switch ranges, video functionality, flexible operating options by integrating into IP networks and much more.

Fig. (from left to right): Keyless In transponder reader, Keyless In keypad, Keyless In fingerprint reader



Keyless In

The Gira Keyless In system provides secure access control without keys. Users may enter rooms or buildings conveniently with a transponder, by entering a numeric code, or by identifying themselves with their fingerprint.

Fig. (from left to right): Gira 3-gang energy profile, Gira light profile with slat element, Gira light profile



Outdoor installation

Light and energy profiles motion detectors, and water-protected switch ranges: Gira offers numerous functions and products especially for the garden, gate entryways, and other outdoor areas.

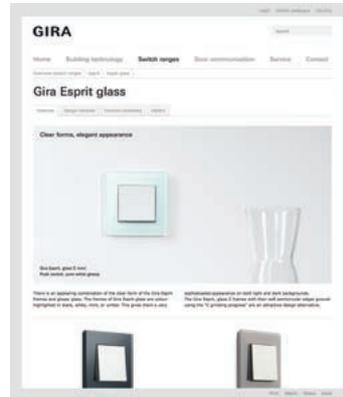
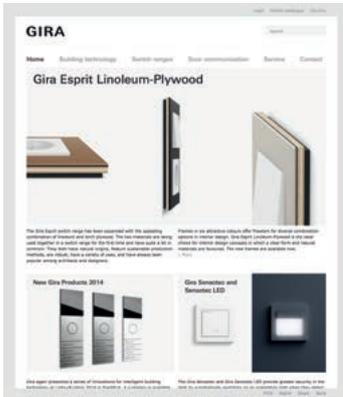
Fig.: Gira Dual Q smoke alarm



Security

Peace of mind at night and while on holiday: Gira alarm systems with motion detectors, door and window contacts and smoke detectors provide increased security – whether wired, installed with the Gira KNX system or retrofitted.

Learn more about Gira: Visit www.gira.com for additional information about Gira and Gira products.



www.gira.com

The Gira website offers a wealth of information about the company and its products. Gira products are presented with illustrations, brief descriptions, functional and design examples, and detailed technical specifications. Numerous brochures, manuals, operating instructions, etc. are available in the download section.

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