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Gira G1 PoE



Specification		Order No.	Packing unit	PS	EAN
	black glass	2069 05	-	-	4010337014270
	white glass	2069 12	-	-	4010337014300

The Gira G1 is a multi-functional room operating device for visualising and operating a variety of building functions. For use in the KNX system and Gira door communication system, or as client. The respective range of functions depends on the firmware used.For details on the exact scope of functions, please refer to the Gira online catalogue and the device's technical documentation.

Features

Function in the Gira One system

- A gesture-controlled multi-touch display is used for operation.
- Connection and communication are via LAN or WLAN, depending on the variant.
- Integrated speaker.
- Integrated microphone with echo compensation.
- Gira G1 with flush-mounted connection module PoE LAN. Power is supplied by the network cable(Power over Ethernet).
- Data communication via LAN.

Potential applications and combinations

- As a multi-functional room operating device, the Gira G1 provides the following functions and combiation of functions:
- Gira One Client.
- Home station video.

Gira One server client

- Depending on the configuration, the Gira G1 can also be used as a client in systems with a Gira One server.
- Once activated, the Gira G1 displays the Gira interface of the Gira Smart Home App. Up to 250 Gira One devices can be displayed in this manner.
- A maximum of 50 Gira G1s can be used within a single Gira One project.
- In addition to the building control devices, the following functions are available in the Gira G1 when used as a client on the Gira One server:- Direct function.- Gira door communication.- Online weather service.

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Function in the Gira KNX system

- A gesture-controlled multi-touch display is used for operation.
- Connection and communication are via LAN or WLAN, depending on the variant.
- Integrated speaker.
- Integrated microphone with echo compensation.

Potential applications and combinations

- As a multi-functional room operating device, the Gira G1 provides the following functions and combiation of functions:
- KNX room operating device
- Video home station
- Client for the following systems/servers: Gira HomeServer – eNet – Gira X1- Gira One
- Client for the following systems/servers: Gira HomeServer – eNet – Gira X1
- Client for following systems/servers - HomeServer – X1
- Integration of internet services

Properties as a KNX room operating device

- Intuitive user interface that can be adapted by the end user.
- System settings are protected via a PIN code.
- Switching and dimming (relative and absolute), dimming (incl. Dimming RGB, RGBW, and Tunable White), blind and roller shutter control, value transmitter, and scene auxiliary unit.
- Status display, display of date and time, display of inside and outside temperature.
- Up to 150 functions (six function folders or rooms with up to 25 functions each).
- More than 320 function icons.
- Up to 125 seven-day time clocks with 10 switching times each.
- Access to IP cameras.
- Audio control.
- PIN code for system settings.
- Room temperature controller in combination with the temperature sensor module (available as an optional extra), or KNX devices for room temperature measurement, e.g. touch sensor 3 Komfort.
- Up to 150 room temperature controller auxiliary units in combination with pushbutton sensor 3 Plus for KNX or CO_2 sensor for KNX for room temperature measurement and regulation.
- Operating modes: Comfort, standby, night and frost or heat protection with their own respective set temperature (for heating and/or for cooling).
- Operating modes can be adapted individually.
- Comfort extension using the presence button.
- Frost or heat protection changeover using window status.
- Display of room temperature controller information.
- Control parameters for PI controllers and 2-point controllers can be set.
- A heating clock as seven-day time clock with 28 switching times.
- Room temperature controller auxiliary unit for sauna operation.
- Room temperature controller auxiliary unit for controlling air conditioning systems (fan coil) in conjunction with a KNX gateway for air conditioning systems.
- Adjustment of the temperature setpoint, air flow (direction, intensity) and operating mode.

Features as a video home station

- Camera changeover: specific selection of connected colour cameras.
- Controlling the door opener.
- Switching the ringing tone on and off.
- Ringtone can be selected from a choice of 10 melodies.
- Accepting calls.
- Adjustment of ring tone and voice volume.
- Internal calls.
- Floor call can be triggered using the pushbutton sensor for KNX.

Properties as a home station with SIP client

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- Client function for SIP third-party systems from e.g. Comelit, TCS, SCHÜCO DCS Touch, 2N.
- SIP calls can be made directly or via a Registrar
- 64 internal calls possible e.g. to the concierge
- Early Media support for video image

Integration of internet services

- Gira weather service: display of the weather forecast for up to five cities (internet connection required).

The Gira G1 can also be used as a client for the following systems / servers: HomeServer Client

- Depending on the configuration, the Gira G1 can also be used as a client in systems with a Gira HomeServer. Following activation, the Gira G1 shows the interface design of the Gira HomeServer. Virtually all the functions available in the standard scope of delivery of the Gira HomeServer are supported, including the video home station and online weather service functions.

eNet Client

- Depending on the configuration, the Gira G1 can also be used as a client in systems with an eNet server. Following activation, the Gira G1 shows the interface design of the eNet SMART HOME system. All the functions of the eNet SMART HOME system are supported, including the video home station and online weather service functions.

Gira X1 Client

- Depending on the configuration, the Gira G1 can also be used as a client in systems with Gira X1. Following activation, the Gira G1 shows the interface design of the Gira X1. Up to 250 Gira X1 functions can be supported.

Alarm Connect security system

- Activate.
- Deactivate.
- Acknowledge message.
- Display alarms.
- Turn off alarms.
- The functions of the KNX room operating device are not available when it is functioning as a client. The exact range of functions are described in the Gira online catalogue and the technical documentation for the device.

Technical data

Power supply	
- PoE performance class 0:	DC 48 V PoE
LAN standard:	IEEE 802.3af
Connection cable	
- Ethernet specification:	Cat.5_e, cat.6, cat.6_a, cat.7
Power consumption	
- Maximum:	7 W
- Typical:	4 W
- Minimum:	2 W
Display	
- Type:	TFT
- Size:	15.3 cm (6″)
- Number of colours:	16.7 M
- Resolution:	480 x 800 px (WVGA), 155 ppi
- Brightness:	350 cd/m²
- Contrast ratio:	1:500
- Viewing angle:	> 80° all round
Proximity sensor	
- Range:	Max. 50 cm

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- Detection range:	30° horizontal, 30° vertical
Protection class:	IP21
Installation depth:	32 mm
Ambient temperature:	0 °C to +45 °C

Notes

- Suitable for indoor use only.
- Recommended mounting height: 150 cm above floor.
- Installation is performed on a deep device box (an electronics box is recommended for a LAN connection).
- Communication with the KNX installation uses the KNXnet/IP standard exclusively.
- An IP router for KNX must be used to connect the Gira G1 PoE to the KNX installation. Several Gira G1s can be operated on one IP router for KNX.
- To connect the Gira G1 230 V or G1 24 V to the KNX installation, a Gira IP router for KNX (firmware version 3 and higher) is required to ensure reliable communication in WLAN. The Gira IP router for KNX (firmware version 3 and higher) must be specifically equipped with the additional “Reliable data communication” function. Several Gira G1s can be operated on one Gira IP router for KNX (firmware version 3 and higher).
- Devices from index level I08 prepared for KNX Secure (additional firmware update required).
- Commissioning in the KNX system from ETS 5.5 or higher.
- Can be used as a home station in combination with the DCS IP Gateway.
- When planning the system, please observe the technical information on network planning in the device documentation.
- Can be updated via the Gira Project Assistant (GPA).
- For the use of time switches, an internet connection to an NTP time server or a corresponding KNX clock (e.g. weather station Plus 2074 00) is required.
- We recommend using an electronics box for mounting the flush-mounted connection module PoE.
- A commercially available PoE-capable switch or router or a PoE injector is required.

Scope of supply

- Display module, holding frame, flush-mounted connection module PoE LAN

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