



Gira G1 24 V



Specification	Order No.	Packing unit	£/piece without VAT	PS	EAN
 black glass	2077 05	1	967.44	36	4010337014287
 white glass	2077 12	1	967.44	36	4010337014317

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

- Operation is via a gesture-capable multi-touch display.
- 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 offers the following functions and function combinations:
- KNX room operating device
- Video home station
- 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 indoor and outdoor 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 timer 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 KNX 3 Plus pushbutton sensor or KNX CO₂ sensor for room temperature measurement and control.
- Operating modes: Comfort, standby, night, and frost or heat protection with their own temperature setpoint values (for heating and/or 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 timer 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 setpoint temperature, air flow (direction, intensity) and operating mode.
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Properties as video home station

- Camera changeover: specific selection of connected colour cameras.
- Control of the door opener.
- Switching the ringtone on and off.
- Ring tone can be selected from a choice of 10 melodies.
- Call acceptance.
- Adjustment of ring tone and voice volume.
- Internal calls.
- Floor call can be triggered via the KNX touch sensor.

Properties as a home station with SIP client

- Client function for SIP external systems from e.g. Comelit, TCS, SCHÜCO DCS Touch, 2N.
- Direct SIP calls or via registrar possible
- 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. Upon activation, the Gira G1 displays the interface design of the Gira HomeServer. Almost all of the Gira HomeServer's standard functions 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. Upon activation, the Gira G1 displays the interface design of the eNet SMART HOME system. All of the eNet SMART HOME system's functions are supported, including the video home station and online weather service functions.

X1 client

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

- In addition to the building control system's X1 functions, the following functions are available in the Gira G1 as Gira X1 client:

Direct function
Gira door communication
Online weather service
Gira Alarm Connect security system with the functions

- Activate
- Deactivate
- Acknowledge message
- Display alarms
- Cancel alarms

- When used as a client, the KNX room operating device features are not available. For details on the exact scope of functions, please refer to the Gira online catalogue and the device's technical documentation.

- Gira G1 with flush-mounted connection module 24 V WLAN for connecting to a suitable cable (e.g. to the second wire pair of the KNX bus line).

- Data communication via WLAN.

Technical data

Power consumption

- Maximum: 7 W
- Typical: 4 W
- Minimum: 2 W

Power supply

- PoE performance class 0: DC 48 V PoE

LAN standard:

IEEE 802.3af

Connection cable

- Ethernet specifications: Cat.5e, Cat.6, Cat.6a, Cat.7

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 around

Proximity sensor

- Range: max. 50 cm
- Detection range: 30° horizontal, 30° vertical

KNX medium:

KNXnet/IP

KNX standards

- DPTs value transmitter: 5.010, 6.010, 5.001, 5.004, 7.001, 8.001, 9.xxx, 12.001, 13.001, 14.xxx

Protection type:

IP21

Installation depth:

32 mm

Ambient temperature:

0 °C to +45 °C

Power supply:

AC/DC 10 to 31 V

WLAN standard:

IEEE 802.11b/g/n - 2.4 GHz

Connection cable

- Wire diameter: 0.6 - 0.8 mm

Installation depth: 32 mm

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 is exclusively via the KNXnet/IP standard.
 - A KNX IP router must be used to connect the Gira G1 PoE to the KNX installation. Several Gira G1 units can be operated on one KNX IP router.
 - In order to ensure reliable communication via WLAN, a Gira KNX IP router (firmware version 3 and later) is required to connect the Gira G1 230 V or G1 24 V to the KNX installation. For this purpose the Gira KNX IP router (firmware version 3 and later) is specially equipped with the additional function "Reliable data communication". Several Gira G1 units can be operated on one Gira KNX IP router (firmware version 3 and later).
 - Hardware from index status 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 connection with the DCS-IP gateway.
 - When planning the system, please observe the technical information on network planning in the device documentation.
 - The Gira Project Assistant (GPA) is required for firmware updates. The GPA is available free of charge in the Gira download area.
 - Using the timers requires either an internet connection to a NTP time server or a KNX clock (e.g. Gira weather station Plus 2074 00).
 - The use of an electronics box is recommended to install the flush-mounted connection module PoE.
 - A commercially available PoE-enabled switch or router or a PoE injector is required.
 - For dimensioning the power supply, the total power consumption of all connected devices as well as the voltage drop in the supply network must always be considered.
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Scope of supply

- Display module, holding frame, flush-mounted connection module 24 V WLAN
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Dimensions in mm

Gira G1 (incl. flush-mounted power supply unit):	97	168	47
Gira G1 (without flush-mounted power supply unit):	97	168	15
Mounting height:	-	1500	-
