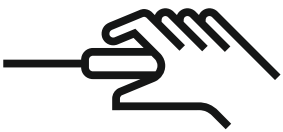
Gira G1

XS 2073 05 / 2073 12



[EN] Installation instructions

GIRA

Contents

1

For your safety

Read these installation instructions thoroughly. This prevents material damage.

These instructions are part of the product and must remain with the end customer.

Gira shall not assume any liability for damages resulting from failure to observe these installation instructions. If you require further information or have any questions regarding the device, please contact our customer service or visit our website at www.gira.de.

1.1 Area of application

The Gira G1 is suitable for indoor use only. The Gira G1 is only suitable for the control of equipment and devices which do not pose a danger for life and limb.

Motors without a safety switch-off such as an end switch or obstacle detection must not be controlled using the Gira G1.

Any other use is not in accordance with the intended purpose and can result in injury and material damage. Gira shall not be liable for damages caused by use which is not in accordance with the intended purpose.

When planning the system, please observe the technical information on network planning in the device documentation.

All documentation and instructions for this product are available on the manufacturer's website.

1.2 General safety instructions

- Only a qualified electrician is permitted to install and mount electrical devices. In doing so, the applicable accident prevention regulations must be observed.
- Use the Gira G1 only if it is in proper technical condition. Do not repair the device yourself.
- Do not open any tightly screwed cover plates on the device's housing.

Overheating protection

In case of overheating, the Gira G1 switches off automatically to prevent damage to the device.

- Do not position the Gira G1 at a distance of less than 50 mm from an interference source around the device. This allows heat to be diverted ideally.
- Never cover the Gira G1 [e.g. with a curtain].
- Never block the Gira G1 [e.g. with a cabinet].

Destruction of electronic components due to improper handling

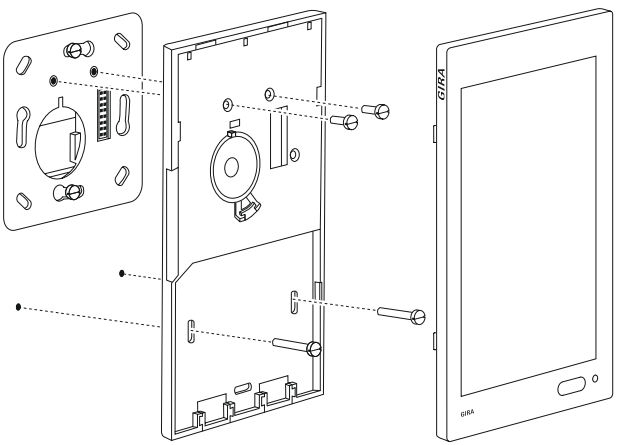
The Gira G1 contains sensitive electronic components. These components can be destroyed by improper handling.

- Do not drop the Gira G1.
- Do not modify the Gira G1, its components, or its accessories.

Risk of shattering due to improper handling

The front of the device is made of glass. This glass can shatter if the device is dropped from a significant height or if the edge is struck.

- Never subject the Gira G1 to considerable impact or pressure.
- Do not mount the Gira G1 if the glass cover is cracked or broken.



[1] [2] [3]

Fig. 1
Gira G1 device design

[1] Flush-mounted connection module
[2] Holding frame
[3] Display module

2.1.

Flush-mounted connection module

The Gira G1 is plugged onto a flush-mounted PoE connection module.

The Gira G1 XS may only be operated with a flush-mounted PoE connection module.

2.1.1

Flush-mounted connection module PoE

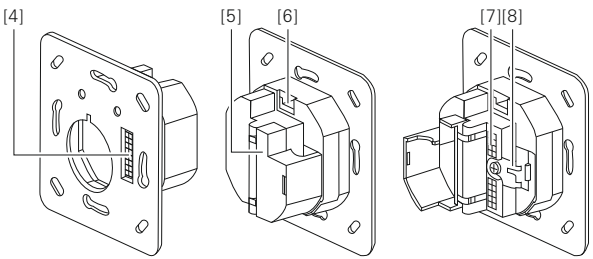


Fig. 2
Flush-mounted connection module PoE

Front view of the flush-mounted connection module PoE:
[4] Electronic interface to the display module
Rear view of the flush-mounted connection module PoE
[cap closed]:
[5] Cap
[6] Connection pin jack of input module, 4-gang
Rear view of the flush-mounted connection module PoE
[cap open]:
[7] PoE plug terminal
[8] Clip with shielded contact surface

The PoE plug terminal is divided into two parts. The PoE plug terminal can be connected to the network cable either with the colour code EIA/TIA-568A or EIA/TIA-568B.

2.2

Holding frame

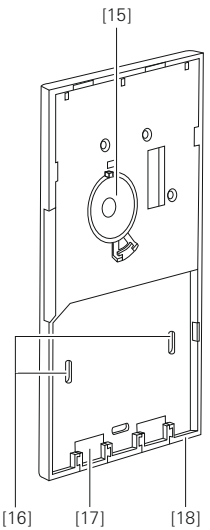


Fig. 5
Front view of holding frame

[15] Loudspeaker
[16] Slots for fastening
[17] Cut-out for temperature sensor module
[18] Guide element

2.3

Display module

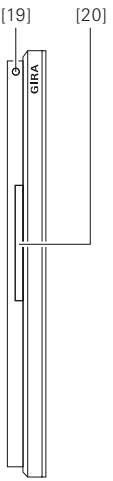


Fig. 6
Side view of display module with holding frame

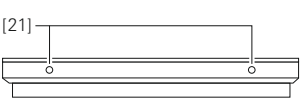


Fig. 7
Bottom view of display module

[19] Release opening
[20] Sound channel
[21] Microphone openings

2.4

Scope of supply

1 ×
Display module Gira G1 XS white [for Order No. 2073 12 only]

or 1 ×
Display module Gira G1 XS black [for Order No. 2073 05 only]

1 ×
Holding frame with loudspeaker

1 ×
Flush-mounted connection module PoE

1 ×
Screw set for flush-mounted connection module:
- 4 ×
  Countersunk screws
  [2 × 30 mm and 2 × 15 mm]

1 ×
Screw set for holding frame:
- 2 ×
  Fischer dowels, size 5
- 4 ×
  Countersunk screws
  [2 × 30 mm and 2 × 15 mm]
- 2 ×
  Cylinder head screws M3 × 10

1 ×
Copper adhesive tape

1 ×
Release tool

1 ×
Installation instructions

Important
Mounting the Gira G1 may be carried out by qualified electricians only. In doing so, the applicable accident prevention regulations must be observed.

Important
Complications during mounting

We recommend using an electronics box for mounting the Gira G1 PoE. Use at least a Cat.5 Ethernet cable for mounting the Gira G1 PoE.

3.1

Unpacking devices

01
Remove the display module, holding frame, flush-mounted connection module, and all additional parts from the boxes individually.

02
Ensure the package contents are complete and intact [see the warranty].

03
Remove the packing material, cardboard strips, and protective films from the devices. Leave the protective cardboard of the holding frame and protective film of the display module intact.

04
The packing materials of the Gira G1 are sustainable and recyclable. Please help protect the environment by disposing of the packaging in an environmentally friendly manner.

3.2

Selecting installation site

01
Select a suitable installation site.

Important
Faults due to an unsuitable installation site

Observe the following during mounting: leave at least 50 mm of free space around the device.

As an option, the Gira G1 can be installed on one or two flush-mounted device boxes. Mounting is possible using a pre-installed flush-mounted device box. When using flush-mounted device boxes for installation, the flush-mounted device box for the power supply is always on top.

Note

We recommend an mounting height of 1.5 m for the Gira G1.

3.3

Connecting the flush-mounted connection module

The Gira G1 is plugged onto a flush-mounted PoE connection module.

Please connect the variant you have purchased as described below.

3.3.1

Connecting the flush-mounted connection module PoE

Open the cap of the connection module PoE:

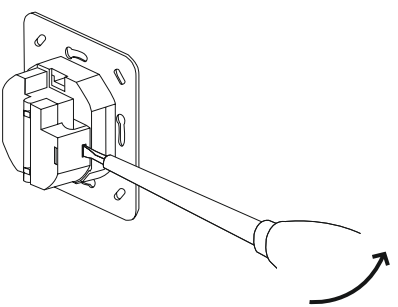


Fig. 8
Open cap using a screwdriver

01
Push screwdriver into cap cut-out.
Pry up the cap.

02
Strip the plastic sheath of the Cat. cable 50 mm.

03
Push braided screen back on a length of 35 mm and cut it off around the cable so that 15 mm protrude from the plastic sheathing [see Fig. 9].

04
If there are shielding foil and transparent polyester film, shorten them to 15 mm.

05
Stick the copper adhesive tape tightly around the shield.

06
Lay the shielding on the shielded contact surface.

Important
Electromagnetic compatibility

The shield must be connected to earth on the PoE switch side.

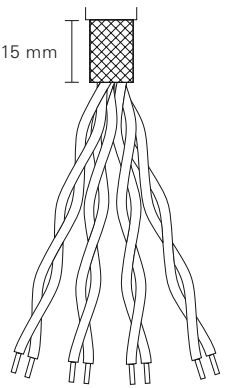
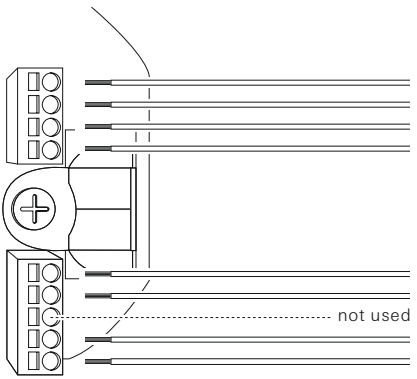


Fig. 9
Cable with braided screen and wires



EIA/TIA568A	EIA/TIA568B
BN/WH	BN/WH
BN	BN
BU/WH	BU/WH
BU	BU
OG	GN
OG/WH	GN/WH
not used	
GN	OG
GN/WH	OG/WH

Fig. 10
Colour code EIA/TIA568A/B

07
Fix Cat. cable with the clip.

08
Connect wires according to colour code EIA/TIA568A/B.

09
Close cap.

✓
The flush-mounted connection module PoE is connected.

Important
Close cap

The cap cannot be closed if the wires are cut too long.

- Keep the unshielded individual wires as short as possible.

3.4

Inserting the flush-mounted connection module

Fasten the flush-mounted connection module:

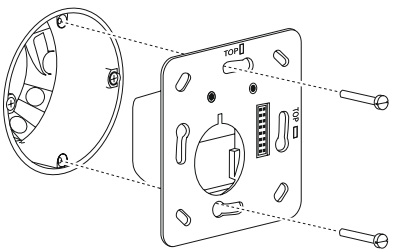


Fig. 13
Inserting the flush-mounted connection module

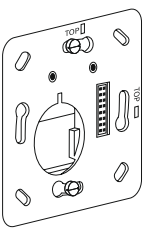


Fig. 14
Flush-mounted connection module is fixed

01
Insert the flush-mounted connection module into the flush-mounted device box.

Note
TOP

Mind the TOP marking. The TOP marking must be upright as shown in the image.

02
Tighten two of the supplied suitable countersunk screws.

✓
The flush-mounted connection module is fixed.

3.5

Fastening the holding frame

There are two options for fastening the holding frame:

- with dowels and screws if there is only one flush-mounted device box, or
- over two flush-mounted device boxes.

3.5.1

Fastening the holding frame with dowels and screws

Fasten the holding frame using dowels and screws:

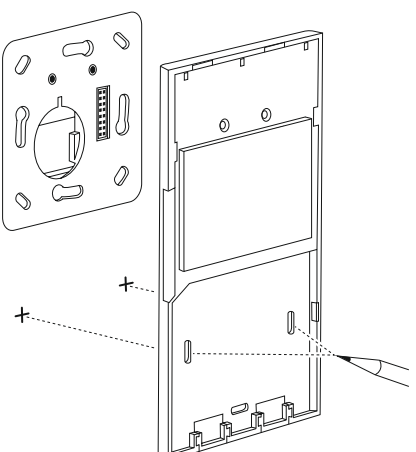


Fig. 15
Marking the drilling position

01
Place the holding frame on the flush-mounted connection module.

02
Straighten the holding frame.

03
Mark the drilling position for the holding frame.

04
Drill the holes in the wall for the holding frame.

05
Insert the supplied dowels into the drilling holes.

06
Fix the holding frame using the cylinder head screws M3 × 10 [see Fig. 16 [22]].

07
Tighten the screws for the dowels [see Fig. 16 [23]].

✓
The holding frame is fastened.

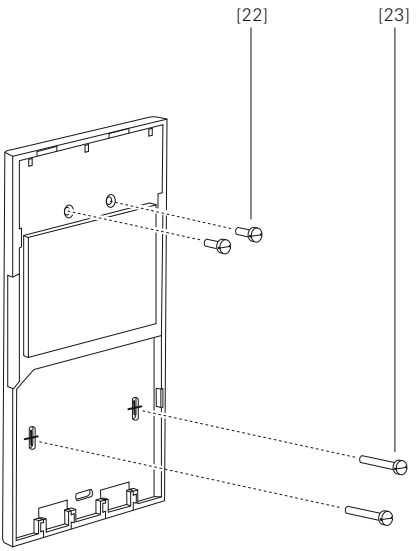


Fig. 16
Screwing in the holding frame

3.5.2

Fastening the holding frame over two flush-mounted device boxes

Fasten the holding frame over two flush-mounted device boxes:

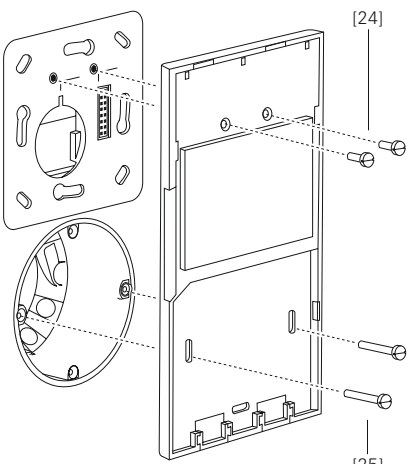


Fig. 17
Screwing the holding frame onto two flush-mounted device boxes

01
Fix the holding frame using the cylinder head screws M3 × 10 [see Fig. 17 [24]].

02
Tighten two of the supplied suitable countersunk screws [see Fig. 17 [25]] in the lower flush-mounted device box.

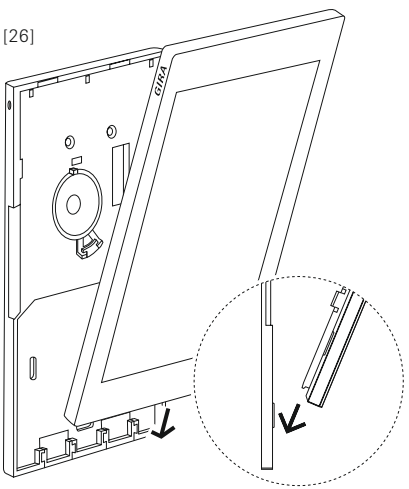
✓
The holding frame is fastened.

3.6

Attaching the display module

Put on the display module as follows:

[26]



[27]

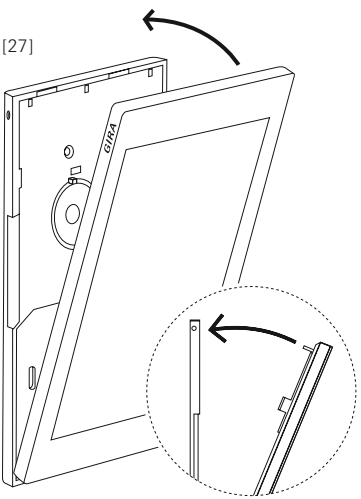


Fig. 18
Inserting the display module and tilting it into place

01
Remove the protective cover from the holding frame.

02
Insert the display module into the guide element of the holding frame [see Fig. 18 [26]].

03
Tilt the display module up into place [see Fig. 18 [27]].

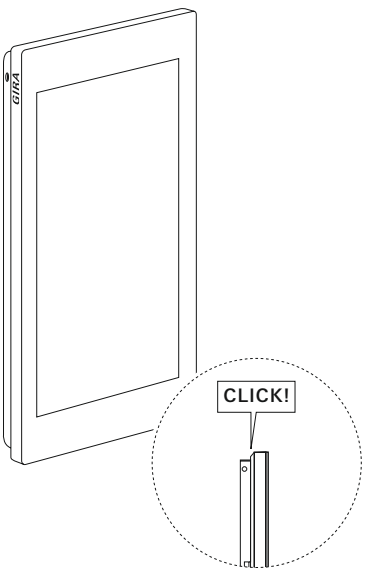


Fig. 19
Display module locked into place

✓
The display module locks into place at the snap-in points in the holding frame.

Important
Display module falling out

The Gira G1 is not properly clicked into place until the latch in the release opening has fallen back into its end position.

Note

The electrical contact between the flush-mounted connection module, the display module, the loudspeaker, and the temperature sensor module [where applicable] is not established until the display module is tilted into place.

04
Remove the protective film from the display module.

Cleaning

Important
Damage to the touch screen

The front of the device is made of glass. This glass can be damaged due to improper cleaning.

- Do not clean the Gira G1 using sharp objects.
- Do not use strong detergents, acids, or organic solvents.

Clean the display module of the Gira G1 by slightly moistening a microfibre cloth and wiping it.

Important
Disassembly of the Gira G1 may be carried out by qualified electricians only. In doing so, the applicable accident prevention regulations must be observed.

The display module is removed as follows:

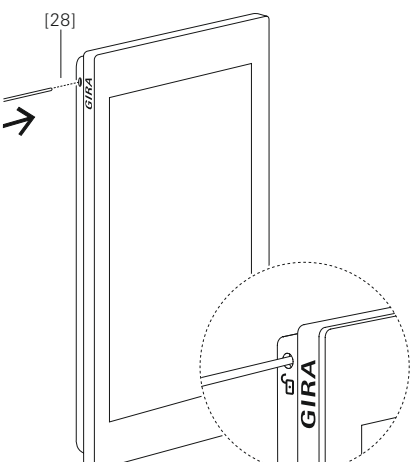
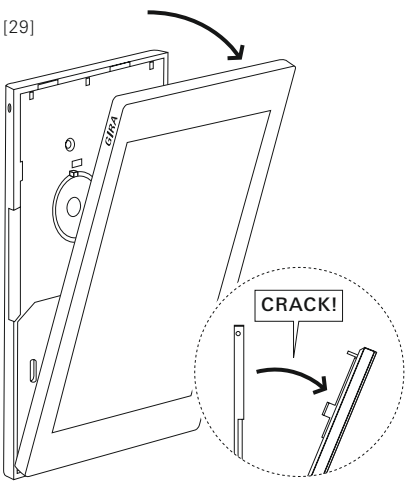


Fig. 20
Inserting the release tool

01
Apply slight pressure to guide the release tool or thin screwdriver into the release opening and hold it there [see Fig. 20 [28]].

✓
The display module is unlocked.

[29]



[30]

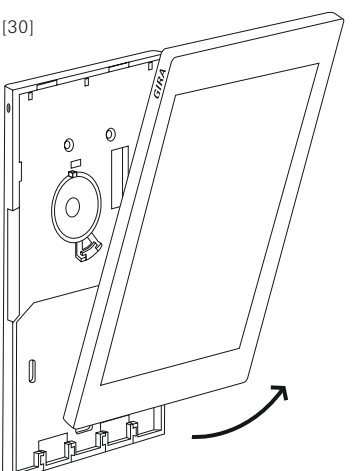


Fig. 21
Tilting the display module out

02
Firmly pull the upper edge of the display forward and out of the latches [see Fig. 21 [29]] and remove it [see Fig. 21 [30]].

03
[Optional] Remove the Gira G1 temperature sensor module.

04
Remove all screws from the holding frame.

05
Remove the holding frame.

06
Loosen the box screws.

07
Pull the flush-mounted connection module out of the flush-mounted device box.

08
Disconnect the supply line or remove it from the terminal.

6

Disposal

High-quality materials and components were used in developing and manufacturing the device. They can be recycled and reused.

Please consult the regulations governing the separate collection of electric / electronic waste valid for your country. These devices may not be disposed of with household waste. The correct disposal of waste can prevent possible negative consequences to the environment and humans.

Technical data

Gira G1 PoE	
Application	Room operating device
Design	Flush-mounted unit PoE
Protection type	IP 21
Dimensions [W × H × D]	97 × 168 × 47 mm
Mounting height	15 mm
Ambient temperature	0 °C to +45 °C
Storage / transport temperature	–20 °C to +70 °C
Relative humidity	max. 95% r. h., no condensation

Display	
Type	TFT
Size	15.3 cm [6.02"]
Colours	16.7 million
Resolution	480 × 800 pixels [WVGA] 155 ppi
Brightness	350 cd / m^2
Contrast ratio	1 : 500
Viewing angle	> 80° all around

Proximity sensor	
Range of detection	30° horizontal, 30° vertical
Range	max. 50 cm

Flush-mounted connection module PoE	
Recommended cable	Cat.5_e to Cat.7
Rated voltage	DC PoE 48 V [36 to 57 V] Class 0
Protection class	III [SELV]
LAN standard	IEEE 802.3af

8

Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson [specialist trade / installation company / specialist electrical trade]. They will forward the devices to the Gira Service Center.

GIRA

Gira
Giersiepen GmbH & Co. KG
Electrical installation
systems

P.O. Box 1220
42461 Radevormwald

Germany

Phone +49 (0) 21 95 - 602 - 0
Fax +49 (0) 21 95 - 602 - 191

www.gira.de
info@gira.de

Gira in Austria

Phone 0800 - 29 36 62
Fax 0800 - 29 36 57

www.gira.at
info@gira.at

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