

Operating instructions

Gira 2-wire IP converter Client
Order no.: 1213 00



Table of contents

1 Intended use 3

2 Device components..... 3

3 Information for qualified electricians 5

 3.1 Mounting and electrical connection 5

 3.2 Start-up 5

 3.3 Factory reset 6

 3.4 Firmware update 6

4 Technical data..... 6

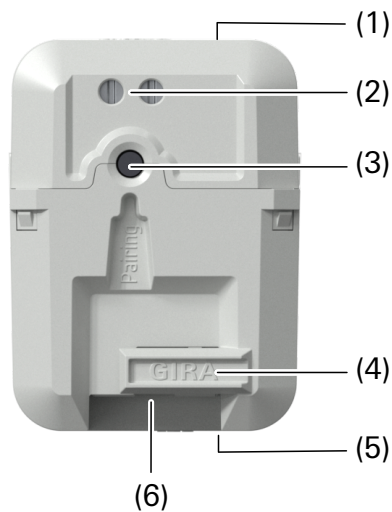
5 Accessories 6

6 Warranty 7

1 Intended use

- Client for the installation of IP door communication with existing 2-wire lines
- Operation with Gira 2-wire IP converter Host
- IP door stations, IP home stations and IP cameras are permitted as end devices
- One Client is required per end device in the 2-wire system
- Mounting in device box or in the installation space extension of System 106
- Mounting on top-hat rail with accessory (see Accessories)

2 Device components



- (1) 2-wire status LED
- (2) 2-wire connection terminal
- (3) Pairing button
- (4) Cable clip
- (5) LAN status LED
- (6) RJ45 jack

The **2-wire status LED** indicates the device status:

- Green, flashing slowly: not paired, factory default state
- Green, steady: paired with Host, in operation
- Green, flashing quickly: pairing mode active
- Red light for approx. 3 s: pairing failed
- Red, flashing: connection to Host lost, e.g. due to a factory reset of the Host

If the indicator has gone out, the indicator can be activated by briefly pressing the pairing button (3).

The **LAN status LED** continuously indicates the status of data transmission via LAN:

- Green, flashing: data transmission via LAN active
- Red, steady: undervoltage (<37 V) detected at 2-wire terminal. If applicable, check for voltage drop.

If the indicator has gone out, the indicator can be activated by briefly pressing the pairing button (3).

3 Information for qualified electricians



Electrical shock when live parts are touched.

Electrical shocks can be fatal.

Before working on the device, disconnect it and cover any live parts in the vicinity.

3.1 Mounting and electrical connection

Mounting the device

1. Mount the device in a device box or in a System 106 installation space extension.
2. Alternatively, mount the device on a top-hat rail using the adapter; see Accessories.

Connecting the device

2-wire connections must not be short-circuited.

1. Strip 5 mm of insulation from the 2-wire line and connect it to the 2-wire connection terminal (2) of the Client.
2. Connect the RJ-45 patch cord (see Accessories) to the RJ45 jack (6).

3.2 Start-up

Pairing devices

The Host and the Clients must be paired with each other. A maximum of 15 Clients can be paired to 1 Host in a 2-wire system, depending on the PoE source.

The pairing mode must first be initiated on the Host, which requires the sliding switch to be in the **Host** position.

1. Press the pairing button on the Host for 3 s.
 - ✓ The 2-wire status LED initially goes out and briefly lights up green.
2. Release the pairing button immediately.
 - ✓ The 2-wire status LED indicates the pairing process by flashing green quickly. The Host is in pairing mode for 10 minutes.
3. Press the pairing button (3) on the Client for 3 s.
 - ✓ The 2-wire status LED (1) initially goes out and briefly lights up green.
4. Release the pairing button immediately.
 - ✓ The 2-wire status LED indicates the pairing process by flashing green quickly.
 - ✓ If the pairing is successful, the 2-wire status LED on both devices lights up green continuously.

The Host returns to pairing mode for 10 minutes and flashes green quickly. During this time, additional Clients can be paired with the Host.

The Client is ready for immediate operation, even if the Host is still in pairing mode.

Note: If the slide switch was accidentally set to **Extender** when the device was started, all Clients paired in the device are deleted.

3.3 Factory reset

1. Disconnect the Client from the power supply.
2. Restore the voltage to the Client.
3. Wait approx. 3 s until the device has started.
The factory reset must be triggered within 30 s.
4. Press and hold the pairing button for at least 10 s.
5. The 2-wire status LED (1) changes its status several times and lights up green for approx. 3 s.
6. Release the pairing button.
 - ✓ The 2-wire status LED (1) briefly lights up red. The factory reset starts.
 - ✓ The device restarts automatically. The 2-wire status LED flashes green slowly (status: not paired).

To delete the pairing data before disposal, a factory reset must be performed.

3.4 Firmware update

The device is equipped with factory firmware. To keep the 2-wire converter up to date and safe, Gira provides the latest firmware updates free of charge via an automatic update process. The automatic update requires an existing internet connection and a DHCP server in the device network. The availability of a new firmware update is automatically checked every day between midnight and 4 am (UTC +1). A brief interruption in the connection may occur while an update is being performed.

4 Technical data

Rated voltage	52 V
Clampable conductor diameter	Single-wire: 0.6–0.8 mm
LAN interface	RJ45 jack
Power consumption	Max. 13 W
Dimensions [L x W x H in mm]	50 x 37 x 27

Cable lengths:

Between Host and Client	Max. 100 m
Between IP device and Client	Max. 1 m

Ambient conditions:

Ambient temperature	-20 to +50°C
Storage/transport temperature	-25 to +70°C
Relative humidity	10 to 95% (no condensation)

5 Accessories

RJ-45 patch cord 320 mm	Item no.: 55900 00
RJ-45 patch cord 550 mm	Item no.: 55950 00

Gira 2-wire converter
adapter for top-hat rail
Gira 2-wire IP converter Host

Item no.: 1431 00

Item no.: 1212 00

6 Warranty

The warranty is provided by the retailer in accordance with the statutory requirements.

Please hand over or send faulty devices postage paid and with a description of the problem to your sales representative (retailer/installation company/electronics retailer),

who will forward the devices to the Gira Service Centre.