

## Gira door communication system

Flexible solutions for indoor and outdoor use



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## Gira door communication system

### Flexible solutions for indoor and outdoor use

The Gira door communication system offers solutions for all indoor and outdoor requirements, including door intercoms to match the Gira switch ranges, video function, keyless access control, flexible operating options by connecting to IP networks, and much more.



#### Door intercoms for indoor use

Gira home stations are voice and operating units at the front door. Gira offers devices for surface-mounted and flush-mounted installation which have a modular design and can be combined to match the Gira switch ranges, as well as completely pre-assembled stations like the Gira VideoTerminal.



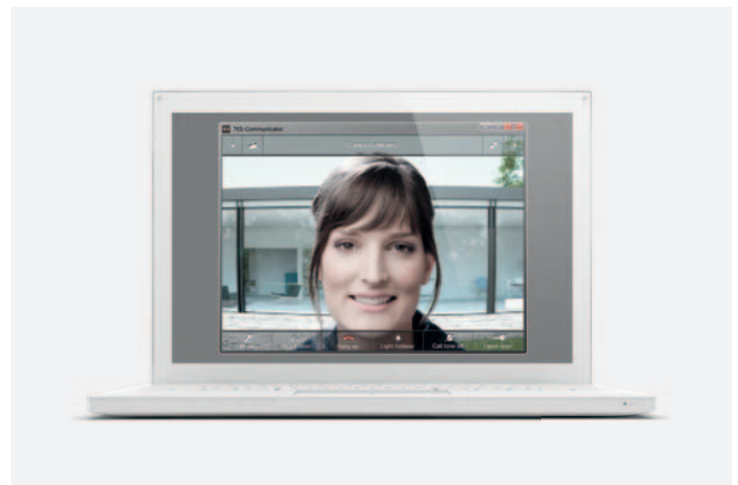
#### Door intercoms for outdoor use

Gira door stations are suitable for any area of application, from single-family houses to large properties with up to 68 residential units. The product range includes surface-mounted and flush-mounted variants, solutions for integration in existing systems and options for installation in front panels and letterbox systems from RENZ, as well as from other manufacturers.



#### In the style of the switch range

The door intercoms of the Gira door communication system are integrated in the Gira switch ranges. This means both unity of design for the entire electrical installation in the home and a large degree of freedom in selecting colour and frame variants to match any personal interior design style.



#### Network-compatible door communication

With the Gira DCS-IP-gateway, the Gira door communication system enables connection via the network to both computers and the Gira Control Clients. In this way, the devices become communication hubs and can be used anywhere a network connection or WLAN is available.

# See who is at the door

## Gira home stations

Gira home stations are voice and operating units at the front door.

Gira offers devices for surface-mounted and flush-mounted installation which have a modular design and can be combined to match the Gira switch ranges, as well as completely pre-assembled stations like the Gira VideoTerminal. Additional solutions enable door communication with the Gira Control Clients and the computer, picture display on the TV and door opening via the telephone.

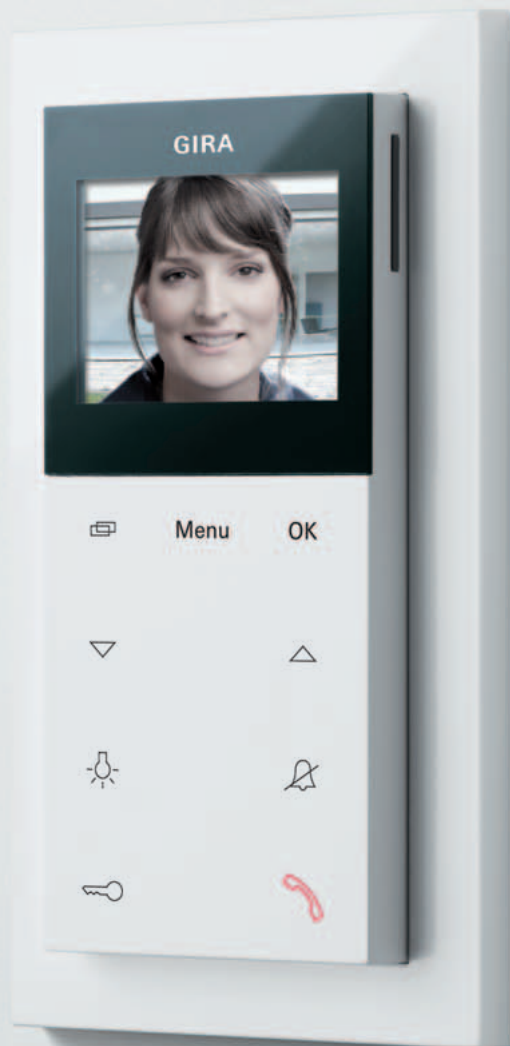


Fig: Gira surface-mounted home station video, E2, pure white glossy

## Modular combination of functions

### Gira flush-mounted home stations

Gira home stations for flush-mounted installation are available as basic devices with hands-free units or receivers. Optionally both variants can be equipped with a TFT colour display or an additional call button. In connection with switching actuators, call buttons can also be used to switch lights. Five different ringing tone melodies can be set.

Fig: Gira home station with TFT colour display, Gira E22 Stainless Steel

#### Display

Thanks to TFT technology and LED backlighting, the optional colour display delivers excellent image quality, even when viewed at an angle.

#### Loudspeaker/microphone

With modern microprocessor technology, Gira home stations achieve voice quality comparable to that of modern mobile phones.

#### Call button

The surfaces of the call and operating buttons are robust, UV-proof and shock and scratch resistant.

#### Design

The home stations are integrated into the world of the Gira switch ranges and are therefore available in many design variants.

#### 2-wire bus

Only two lines are required for the power supply of the various components and the transmission of all audio and video signals.



#### Gira Inscription Service

With the Gira Inscription Service, the call buttons for the Gira flush-mounted home stations can be designed in just a few steps online. At [www.marking.gira.com](http://www.marking.gira.com), an inscription can be drafted and ordered using a web form. Printed inscription holders are then immediately sent per post. The labels are transparent, non-fading, weather-resistant and wrinkle-free (subject to a charge). In addition, it is possible to save the draft as a PDF document and print it yourself. Electrical trade specialists use the "DesignPro Edition Gira" inscription software from Avery Zweckform. Gira offers suitable A4 size inscription sheets.

Home stations with hands-free units

An echo suppressor activates the microphone automatically where the voice level is greater. However, if ambient noises at the front door are particularly loud, the microphone on the home station can also be activated with the press of a button. The surfaces of the call and operating buttons are robust, UV-proof and shock and scratch resistant. The push buttons are assigned functions such as opening the door, switching light, call acceptance and control of ringing tone and speech volume. An automatic door opener can be activated optionally, e. g. in order to open the door at a doctors' practice automatically after ringing.

Home stations with receivers

The receiver is simply taken off the hook to accept calls. There is an operating button behind the receiver for the opening the door and switching light functions.

TFT colour display

The TFT colour display is available in two sizes. For the Gira switch ranges in System 55 and Gira E22 the screen diagonal is 4.6 cm (1.8"); for the F100 range, it is 6.4 cm (2.5"). With its TFT technology and LED backlighting, the display delivers excellent image quality, even when viewed at an angle. The display is activated automatically as soon as someone rings the doorbell, but can also alternatively be activated manually. An on-screen menu allows brightness, contrast and colour intensity to be set conveniently. Up to three connected cameras can be selected.

Additional call button

An additional call button can be installed, e. g. to communicate among several in-house home stations.

Gira home station receiver

Gira home station

Gira home station receiver with TFT colour display

Gira home station with TFT colour display

Gira home station with additional call button



## Quick and simple installation

### Gira surface-mounted home stations

The Gira home stations for surface-mounted installation can be installed directly on the wall quickly and easily. Completely pre-assembled, they are only 21 mm thick and can either be integrated in the Gira switch ranges or used without frames. The surface-mounted home station video and the surface-mounted home station are available, as well as the surface-mounted gong as an additional solution, e. g. for remote rooms.

Fig: Gira surface-mounted home station video, Gira E2, pure white glossy



#### TFT colour display

The high-resolution 5.1 cm (2") TFT colour display delivers excellent colour rendering and good visibility from different viewing angles.

#### Capacitive sensor buttons

The capacitive sensor buttons react even to light pressing and ensure convenient operation.

#### Homogeneous front

A special feature of the surface-mounted home station video is its homogeneous front. The loud-speaker and microphone are not directly visible from the front.

#### Additional functions

As an option an automatic door opener and automatic call acceptance for internal calls can be activated.

#### 2-wire bus

Only two lines are required for the power supply of the various components and the transmission of all audio and video signals.

#### Simplified installation

Installation is in just two easy steps. The base plate is first mounted and wired on the wall with the connection terminals. The device itself then only needs to be locked onto the mounting plate.



Surface-mounted home station video

The Gira surface-mounted home station video is equipped with a high-resolution 5.1 cm (2") TFT colour display which delivers excellent image quality, even when viewed at an angle. Using capacitive sensor buttons which react even to light pressing, functions such as switching light, opening the door, deactivating the ringing tone and accepting calls can be controlled easily. System settings are made conveniently per on-screen menu. As an option, an automatic door opener and automatic call acceptance for internal calls can be enabled and activated or deactivated via the menu. Installation is in just two easy steps: during raw installation, the base plate is first mounted on the wall with the connection terminals. Pre-wiring can thus be carried out without the device. The station then only needs to be locked onto the mounting plate.

Surface-mounted home station

Four buttons control the operation of the home stations. Communication takes place via hands-free functionality, whereby the speaker does not have to stand directly at the microphone in order to be understood. Further functions: call acceptance, opening the door, switching ringing tone on/off and regulating of ringing tone volume and speech volume.

Surface-mounted gong

Ideally suited for notification in remote rooms: the Gira surface-mounted gong signals both acoustically and with an LED when someone rings the doorbell. Different ringing tones signal whether it is a door call, an internal call or a floor call. Using the operating buttons, the ringing tone can be switched on or off and the volume of the ringing tone can be regulated.

Gira surface-mounted home station video



Gira surface-mounted home station



Gira surface-mounted gong



## In the style of the switch range

### Diverse design variants

The door intercoms of the Gira door communication system are integrated in the Gira switch ranges. This means both unity of design for the entire electrical installation in the home and a large degree of freedom in selecting colour and frame variants to match any personal interior design style.

Fig: Gira surface-mounted home station video, 2-gang combination push switch/socket outlet “British Standard” can be switched off, Gira E2, pure white glossy



Fig: Gira surface-mounted home station video, 2-gang combination push switch/socket outlet “British Standard” can be switched off, Gira Event Clear, green/pure white glossy



Fig: Gira surface-mounted home station video, 2-gang combination push switch/socket outlet “British Standard” can be switched off, Gira Esprit, glass black/colour aluminium



Fig: Gira surface-mounted home station video, 2-gang combination push switch/socket outlet “British Standard” can be switched off, Gira Esprit, walnut-aluminium/colour aluminium



## The door intercom in XXL format

### Gira VideoTerminal

Thanks to its high-resolution TFT colour display with 14.5 cm (5.7") screen diagonal, the Gira VideoTerminal delivers excellent image quality, even when viewed at an angle. Excellent voice audibility is guaranteed by the integrated echo and background noise suppression. The elegant glass design cover plate is available in the colours black, white and mint.

Fig: Gira VideoTerminal, glass black, flush-mounted mounting frame

#### Display

The high-resolution 14.5 cm (5.7") TFT colour display delivers excellent image quality, even when viewed at an angle.

#### Operation

The Gira VideoTerminal can be operated easily and intuitively via a backlit knob, which is turned and pressed, and via four large function buttons.



#### Design

The elegant glass design cover plate is available in the colours black, white and mint.

#### 2-wire bus

Only two lines are required for the power supply and transmission of all audio and video signals.

#### Loudspeaker/microphone

The integrated echo and background noise suppression provides a high level of voice quality.

Operation/Functions

The Gira VideoTerminal is equipped with a high-resolution 14.5 cm (5.7") TFT colour display which delivers excellent image quality, even when viewed at an angle. With the corresponding mounting frame, it is suitable for both flush-mounted and surface-mounted installation. Operation is simple and intuitive via a backlit knob for turning and pressing and four large function buttons. The rotary knob displays an additional on-screen menu via which various basic settings can be made during initial use. Later, brightness, colour intensity, contrast and the switch-on time of display can be set using it. With the four buttons, the basic functions can be controlled, such as opening the door, switching ringing tone on/off, switching light and switching on/toggling the camera

Thanks to microprocessor technology and integrated background noise suppression, the Gira VideoTerminal delivers excellent voice quality. An echo suppressor activates the microphone automatically where the voice level is greater. However, if ambient noises at the front door are particularly loud, the microphone on the home station can also be activated with the press of a button.

The Gira VideoTerminal is designed in such a way that the elderly or other persons with visual or gripping limitations can use the home station without effort. The German Society for Gerontotechnology® tested the product thoroughly and awarded it its "GGT Seal".

Gira VideoTerminal,  
glass black,  
flush-mounted  
mounting frame



Gira VideoTerminal,  
glass mint,  
flush-mounted  
mounting frame



Gira VideoTerminal,  
glass white,  
flush-mounted  
mounting frame



Gira VideoTerminal,  
glass black,  
surface-mounted  
mounting frame



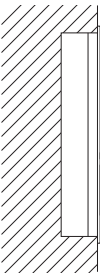
Gira VideoTerminal,  
glass white,  
surface-mounted  
mounting frame



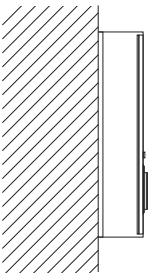
Gira VideoTerminal,  
glass mint,  
surface-mounted  
mounting frame



Flush-mounted  
Installation dimensions  
W x H x D 194 x 252 x 64 mm



Surface-mounted  
Dimensions  
W x H x D 182 x 246 x 52 mm



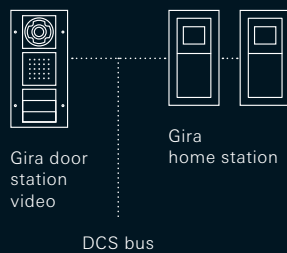
## Network-compatible door communication

### Gira DCS-IP-gateway

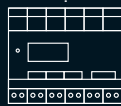
The Gira DCS-IP-gateway makes door communication even more convenient and flexible. The DRA device converts signals from the door communication system to the network protocol level (IP), which enables audio-visual door communication via the Gira Control Clients and the computer. In this way, the devices become communication hubs and can be used anywhere a network connection or WLAN is available. Start-up is simple using a web interface.

Fig: System overview of Gira DCS-IP-gateway

Gira door communication system



Gira DCS-IP-gateway

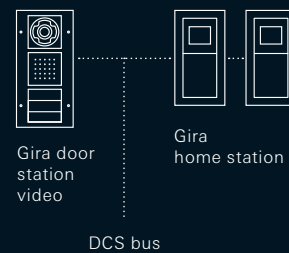


Peripheral devices

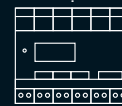


Fig: System overview of Gira DCS-IP-gateway with the Gira HomeServer

Gira door communication system



Gira DCS-IP-gateway



Peripheral devices



#### Door communication with the Gira DCS Communicator

With the Gira DCS-IP-gateway, the Gira Control Clients or a computer can also be easily used as a home station. Software is installed for this purpose: the Gira DCS Communicator. With it, all functions of door communication can be controlled simply and intuitively. There is also the possibility of calling up images from various connected IP cameras to have other areas such as the courtyard entrance or the garden in view in addition to the entrance area.

#### Door communication with the Gira HomeServer

The Gira DCS-IP-gateway can also be connected to the Gira HomeServer via a plug-in. In this way, audio-visual door communication can be integrated in the Gira Interface, the user interface of the Gira HomeServer. It can then be conveniently controlled via the Gira Control Clients or on the computer. This makes door communication more flexible and creates numerous new application possibilities. Moreover, the Gira KeylessIn components Fingerprint, Transponder and Keypad can be integrated (see page 36).

## Network-compatible door communication With the Gira Control 9 Client

The Gira Control 9 Client is an operating device for controlling intelligent building technology. Using the Gira DCS Communicator software for the Gira door communication system, the 22.9 cm (9") touch screen PC can also be used as a pure home station. A loudspeaker and microphone are integrated, as well as a colour camera for future applications. The elegant design cover plate frame is made of glass and available in the colours black, white, mint and umber.

Fig: Gira Control 9 Client, glass black



## Network-compatible door communication

### With the computer

The computer can be used as a home station with the Gira DCS Communicator software or in combination with the Gira HomeServer. For example, in this way it is possible to monitor the situation at the front door, use the intercom function and conveniently open the door at the click of a mouse directly from your workplace. Communication is via a headset or an integrated microphone. Voice transmission between the computer and door station is lip-synchronised via SIP.

Fig: Door communication on a laptop





## Network-compatible door communication With the Gira Control 19 Client

The Gira Control 19 Client is a PC-based operating device for controlling intelligent building technology with a brilliant 47 cm (18.5") touch screen. Audio-visual door communication can be seamlessly integrated in the user interface via a software plug-in for the Gira HomeServer. A loudspeaker and microphone are integrated, as well as a colour camera for future applications. The elegant design cover plate frame is made of glass and available in the colours black, white, mint and umber.

Fig: Gira Control 19 Client, glass black



## Door communication per telephone

### Gira DCS-TC-gateway

The Gira DCS-TC-gateway integrates the Gira door communication system into the existing telephone system. In this way, wired and mobile telephones can be used to accept calls and open the door.

Fig: Wired telephone, mobile telephone



#### Operation/Functions

The respective telephone numbers are programmed in the DCS-TC-gateway in advance. Then it rings e. g. simultaneously in the garden, holiday home or at work, and the visitor at the front door can be spoken to. Up to 2 × 50 phone numbers can be programmed in. Day/night switching is also integrated. The DCS-TC-gateway sends a different signal than the normal phone call. They can be distinguished

with differing ringing tones from a local wired telephone. In addition, it supports the call waiting function during an existing external call. The DCS-TC-gateway can be configured via the telephone's DTMF tones or PC-supported programming software. An interface enables software updates for the gateway.

## Picture display on the TV

### Gira DCS-TV-gateway

Watching the thriller on TV and not having to get up when somebody rings the doorbell – the Gira DCS-TV-gateway offers the right technology for this purpose. It converts the signal of the outdoor video camera and passes it on to the television set.

Fig: Picture display on the TV



#### Transfer types

The data can be transferred in three different ways.

01) The picture is transferred directly per SCART connection to the TV. It then appears automatically as full-screen or as picture-in-picture if the television set offers this function.

02) With an additional AV modulator, the signal is routed via the house's antenna system, and a channel for calling up the signal is reserved on the television set. When the doorbell rings, the visitor can be seen

on the TV screen when the respective channel is selected. With this variant, all parties within the house need just one DCS-TV-gateway.

03) The picture signal is made network-capable with a video server and is therefore also available for the Gira HomeServer.

Even more convenient: in connection with the DCS-TC-gateway, communication is possible with the door station using the telephone and the door is opened.

## The expansion installation on the wall

### Gira Profile 55

The Gira Profile 55 enables the expansion of an existing electrical installation without having to prise open the wall. It can integrate the Gira home stations and all functions from Gira System 55.

Fig: Gira Profile 55, 5-gang/600, equipped with home station and TFT colour display

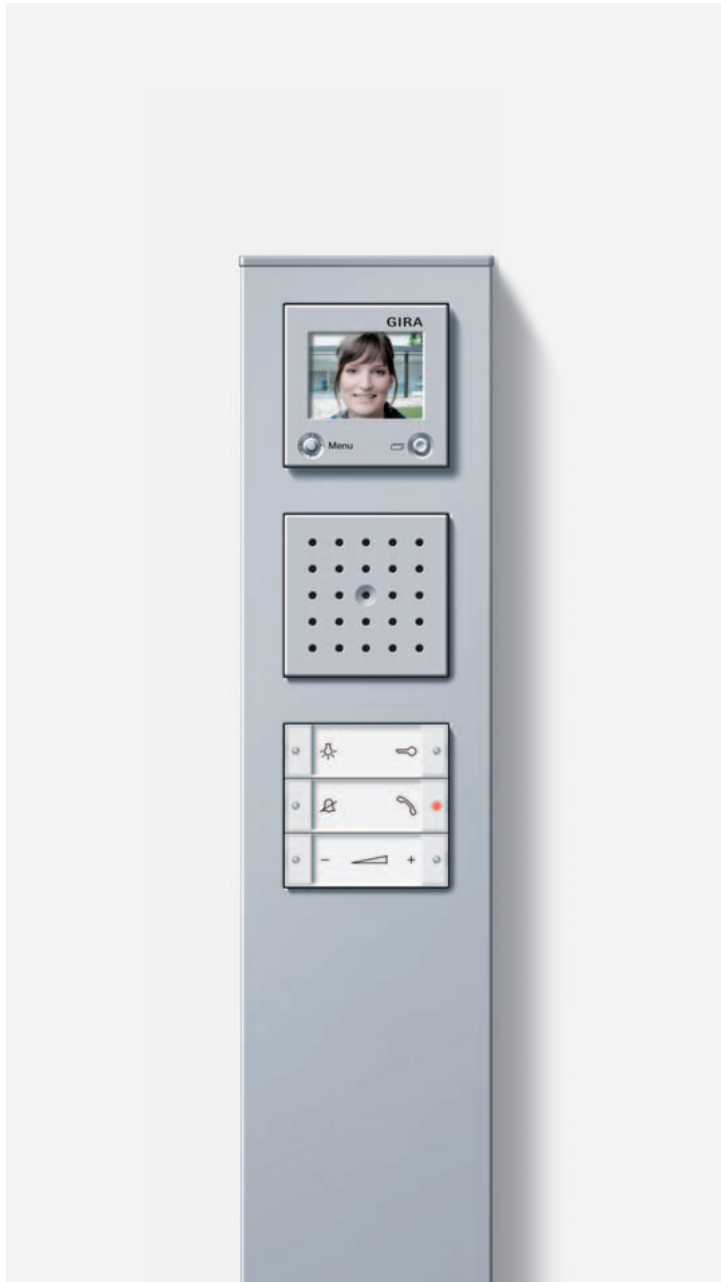


Fig: Design variants aluminium pure white lacquered and aluminium



#### Profile 55 for wall installation

The Gira Profile 55 is available in aluminium and aluminium pure white lacquered. The system can be mounted simply, quickly and cleanly in just minutes – horizontally or vertically. If for example a door opener is only available at the height of the door handle in the hallway, the

Gira Profile 55, 5-gang/600 brings the home station to the optimal installation height of 1.60 metres and offers additional scope for further functions.

Fig: Gira Profile 55, 3-gang with angled mounting bracket/base foot, equipped with home station and TFT colour display



#### **Profile 55 with angled mounting bracket/base foot**

The Gira Profile 55 with angled mounting bracket/base foot can also be equipped with the functions of door communication, for example. It's possible to position the home station right on a desk, instead of in its usual location at the front door. Using angled mounting brackets,

the Gira Profile 55 can also be easily mounted under hanging cabinets, which makes it ideally suited for expanding electrical installation to the workshop or garage.

# See it all, hear it all Gira door stations

The Gira door stations serve as voice and operating units for outdoor areas and are as such the counterpieces to home stations within the building.

Everything from single-family houses to large buildings with up to 68 residential units can be equipped with them. The product range includes surface-mounted and flush-mounted variants, solutions for integration in existing systems and options for installation in front panels and letterbox systems from various manufacturers. When using the new Gira video amplifier, systems with up to 300 m total cable length between the door and home station can now also be realised.



GIRA

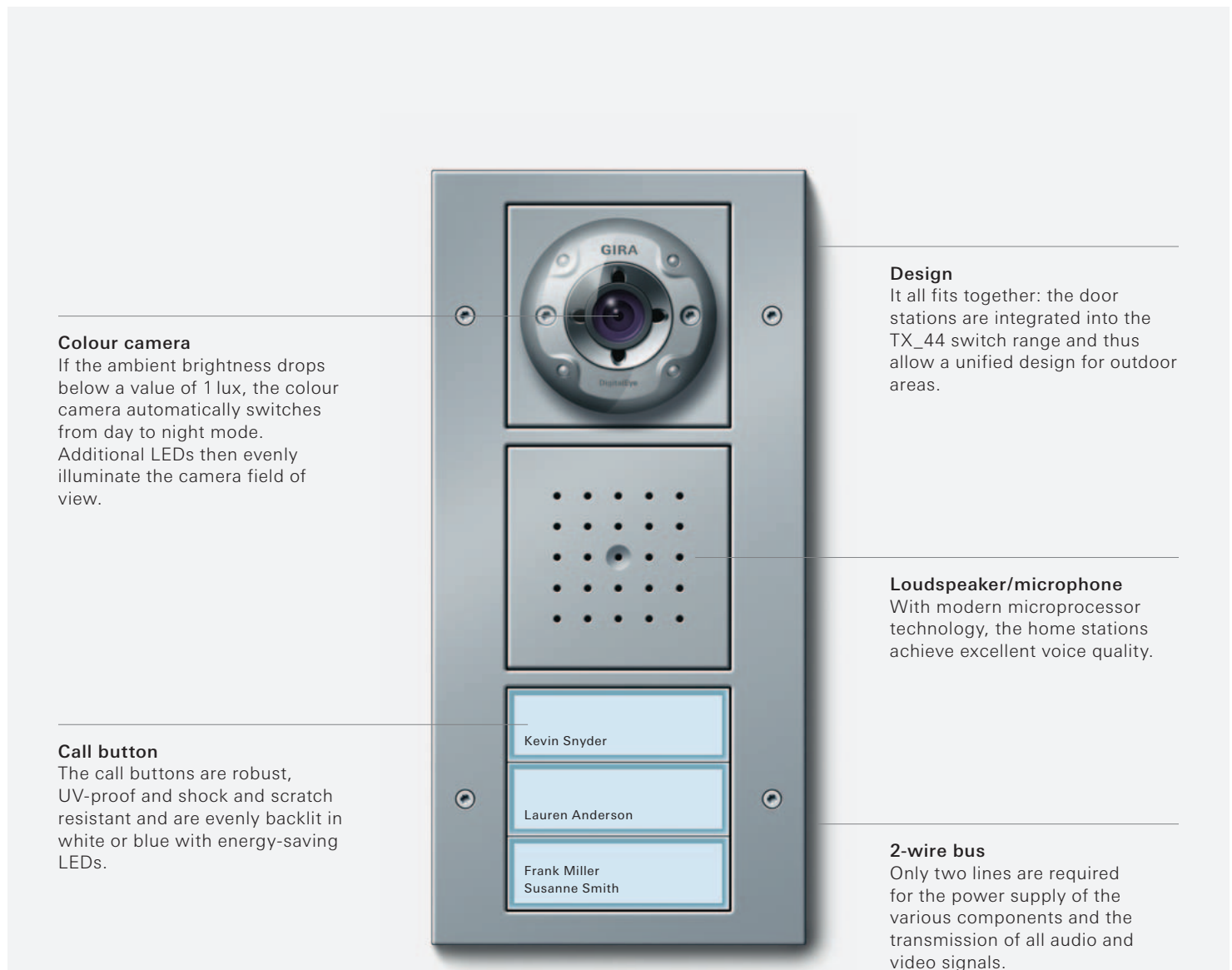
Fig: Gira energy profile, equipped with colour camera, door station 1-gang and Keyless In Fingerprint, colour aluminium

## Modular combination of functions

### Gira flush-mounted door stations

The Gira door stations for flush-mounted installation are installed in combination with the cover frames from the Gira TX\_44 switch range. The basic variant is equipped with a door loudspeaker, a microphone and a 1-gang or 3-gang call button. Optionally the door stations can be expanded with additional components such as a colour camera, info module or Keyless In products. The door stations are available in pure white, anthracite and colour aluminium.

Fig: Gira door station, 3-gang with colour camera, colour aluminium



#### Gira Inscription Service

With the Gira Inscription Service, the call buttons for the Gira flush-mounted door stations can be designed in just a few steps online. At [www.marking.gira.com](http://www.marking.gira.com), an inscription can be drafted and ordered using a web form. Printed inscription holders are then immediately sent per post. The labels are transparent, non-fading, weather-resistant and wrinkle-free (subject to a charge). In addition, it is possible to save the draft as a PDF document and print it yourself. Electrical trade specialists use the "DesignPro Edition Gira" inscription software from Avery Zweckform. Gira offers suitable A4 size inscription sheets.



**Loudspeaker/microphone**

The hands-free unit is equipped with an echo suppressor which activates the microphone automatically where the voice level is greater. However, if ambient noises at the front door are particularly loud, the microphone on the home station can also be activated with the press of a button.

**Call button**

The door stations can be expanded with additional call buttons (1-gang or 3-gang) and an inscribable info module, e. g. for house number, name or opening hours. If a call button is unassigned, a cover plate is simply mounted over that call button, or in combination with a switching actuator the call button takes on another function such as light switching. The push buttons are evenly backlit in white or blue with maintenance-free, energy-saving LEDs.

**Colour camera with day/night switching**

Sees it all: the Gira colour camera has a wide-angle lens with a range of 100°. For alignment, the lens can additionally be swivelled manually by 20° in any direction. A further feature is day/night switching. If the ambient brightness drops below a value of 1 lux, it automatically switches over from day to night mode. During daylight, the colour camera ensures optimal colour rendering through its automatic background lighting compensation, gain control and white balance. At night, it delivers extremely clear black and white images due to its light sensitivity. In order for the CCD sensor to detect all the details in the dark, the colour camera is additionally equipped with LEDs for uniform illumination of the camera field of view. Temperature-dependent heating prevents condensed water from forming under unfavourable weather conditions. In case of damage, the camera dome can be replaced independently of the electronics.  
Note: If the colour camera is used, the video control device is required.

Gira door station,  
1-gang



Gira door station,  
3-gang



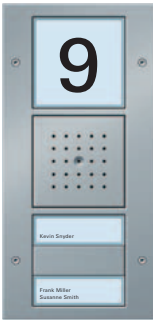
Gira door station,  
3-gang with colour camera



Gira door station,  
3-gang with Keyless In  
Fingerprint



Gira door station,  
2-gang with info module



## Completely pre-assembled, 19 mm thick

### Gira surface-mounted door stations

In addition to the Gira flush-mounted door stations, the Gira door communication system also offers five door stations for surface-mounted installation. They are completely pre-assembled and only 19 mm thick. First, an anodised aluminium carrier profile with the PCB unit is screwed onto the wall. Then a cover frame is mounted which protects the electronic components from weathering.

Fig: Gira surface-mounted door station video, 1-gang, colour aluminium



#### Colour camera

If the ambient brightness drops below a value of 1 lux, the colour camera automatically switches from day to night mode. Additional LEDs then evenly illuminate the camera field of view.

#### Call button

The call buttons are robust, UV-proof and shock and scratch resistant and are evenly backlit in white or blue with energy-saving LEDs.

#### Design

It all fits together: the door stations are integrated into the TX\_44 switch range and thus allow a unified design for outdoor areas.

#### Loudspeaker/microphone

With modern microprocessor technology, the home stations achieve excellent voice quality.

#### 2-wire bus

Only two lines are required for the power supply of the various components and the transmission of all audio and video signals.

#### Gira Inscription Service

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**Loudspeaker/microphone**

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**Call button**

The call buttons are robust, UV-proof, and shock and scratch resistant. If a call button is unassigned, a cover plate is simply mounted over that call button, or in combination with a switching actuator the call button takes on another function such as light switching. The push buttons are evenly backlit in white or blue with maintenance-free, energy-saving LEDs.

**Colour camera with day/night switching**

Two of the total of five available surface-mounted door stations are equipped with colour cameras. It has a wide-angle lens and a range of 100°. For alignment, the lens can additionally be swivelled manually by 20° in any direction. A further feature is day/night switching. If the ambient brightness drops below a value of 1 lux, it automatically switches over from day to night mode. During daylight, the colour camera ensures optimal colour rendering through its automatic background lighting compensation, gain control and white balance. At night, it delivers extremely clear black and white images due to its light sensitivity. In order for the CCD sensor to detect all the details in the dark, the colour camera is additionally equipped with LEDs for uniform illumination of the camera field of view. Temperature-dependent heating prevents condensed water from forming under unfavourable weather conditions. In case of damage, the camera dome can be replaced independently of the electronics.  
Note: The video control device is required to use door stations with colour cameras.

Gira surface-mounted door station, 1-gang



Gira surface-mounted door station, 3-gang



Gira surface-mounted door station, 6-gang



Gira surface-mounted door station video 1-gang



Gira surface-mounted door station video, 3-gang

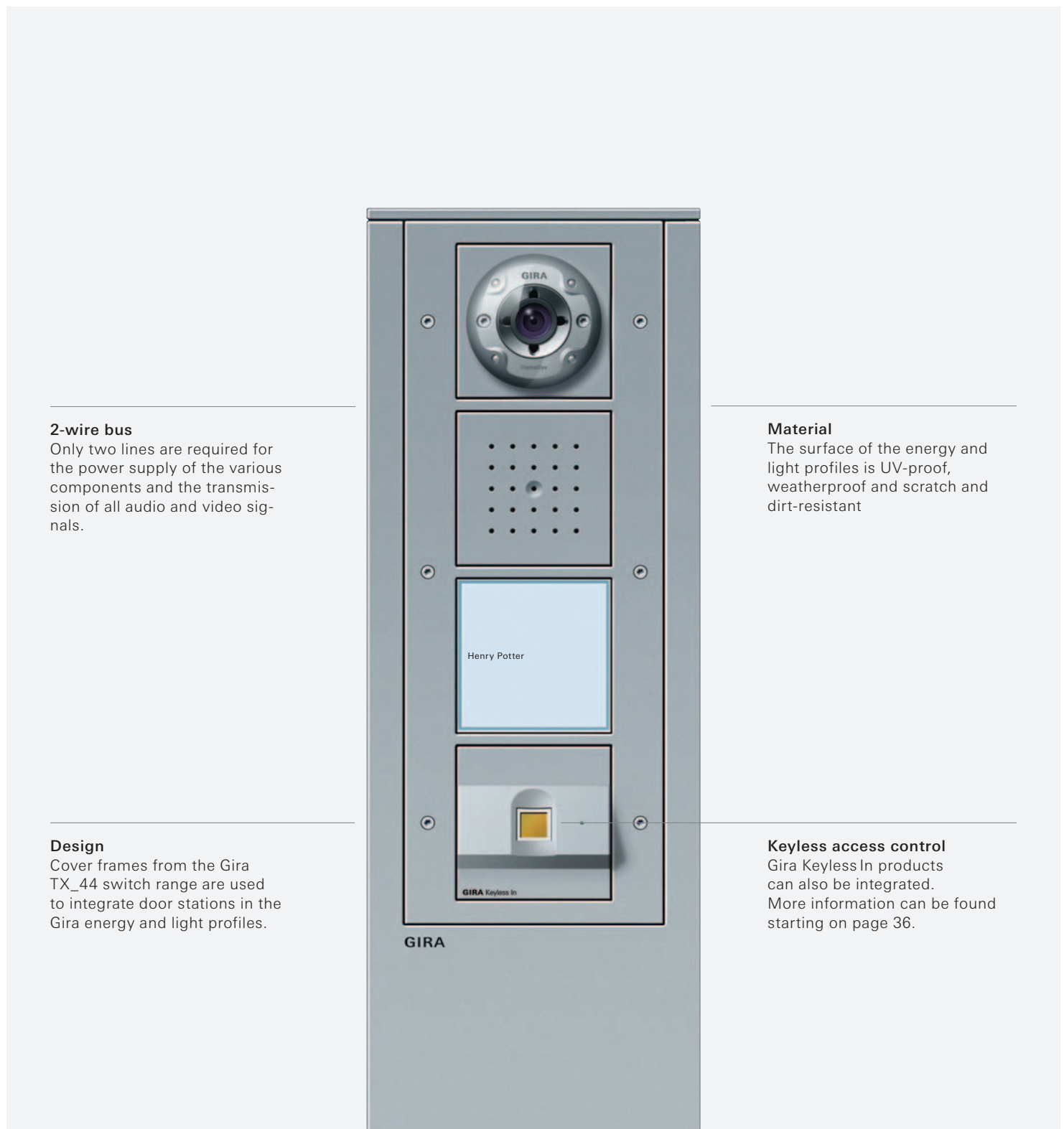


## Perfect for driveways or entrance gates

### Gira energy and light profiles

Gira energy and light profiles are the ideal addition to modern outdoor electrical installation. In addition to supplying power and lighting outdoors, they can be used as voice systems at entryways or garden gates. The components of the door station such as a colour camera, call buttons or a door loudspeaker are integrated in the corresponding empty units of the profile for this purpose. The Gira Keyless In products Fingerprint, Transponder or Keypad can also be used.

Fig: Gira energy profile, equipped with colour camera, door station 1-gang and Keyless In Fingerprint, colour aluminium



#### 2-wire bus

Only two lines are required for the power supply of the various components and the transmission of all audio and video signals.

#### Design

Cover frames from the Gira TX\_44 switch range are used to integrate door stations in the Gira energy and light profiles.

#### Material

The surface of the energy and light profiles is UV-proof, weatherproof and scratch and dirt-resistant

#### Keyless access control

Gira Keyless In products can also be integrated. More information can be found starting on page 36.

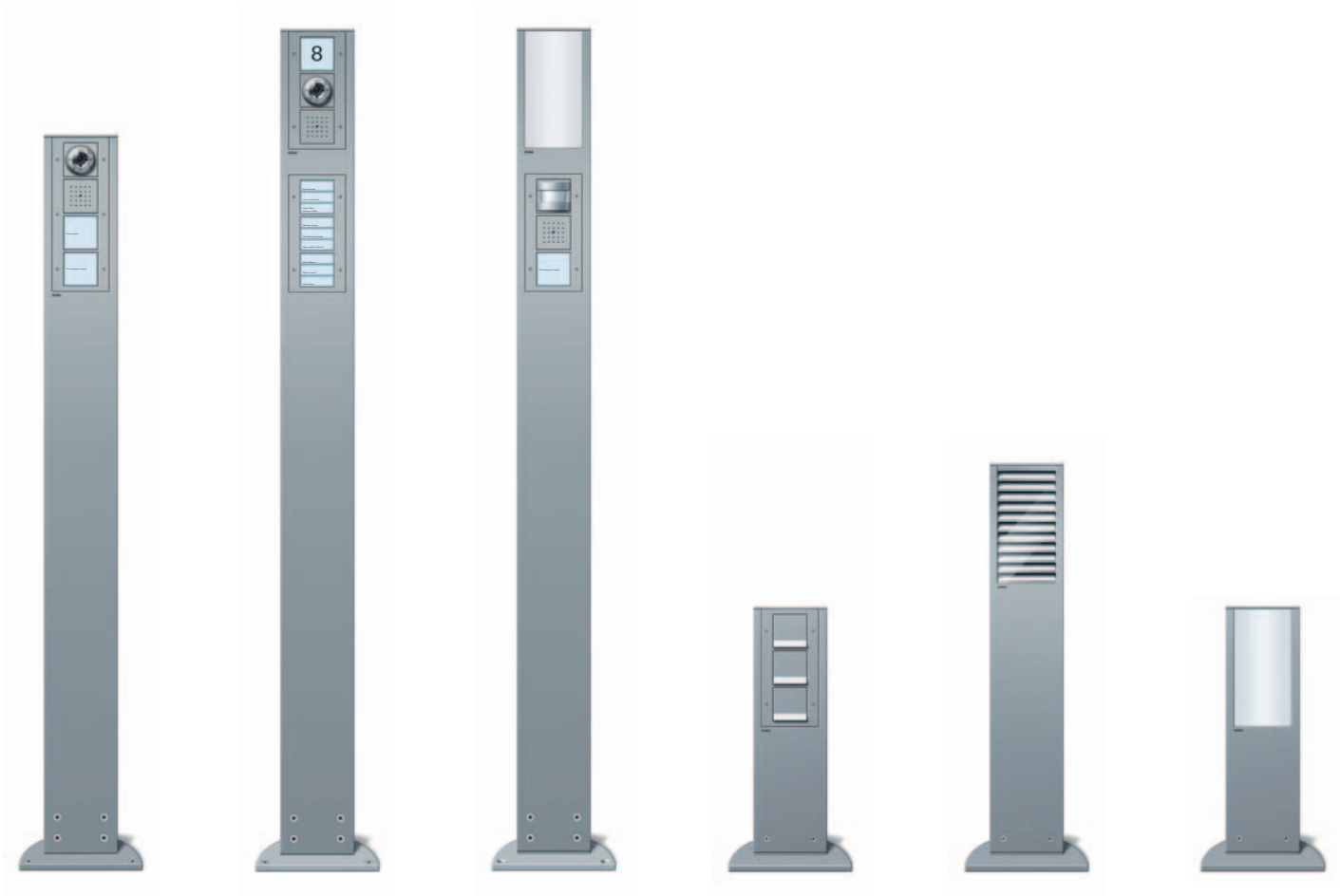
Functions of the door station, integrated in the Gira energy profiles

The door communication functions from the Gira TX\_44 switch range can be integrated in the Gira energy profiles. Energy and light profiles with three, four or six empty units can serve as a basis here.

Energy and light profiles

The Gira energy and light profiles can be delivered either completely pre-assembled and equipped with socket outlets and a light element, or with empty units for individual equipping with functions from the Gira TX\_44 switch range. The profiles are available in anthracite and colour aluminium.

- Gira energy profile, equipped with colour camera, door station 1-gang and additional 1-gang call button, height 1400 mm
- Gira energy profile, equipped with info module, colour camera, door station 3-gang and 2 additional 3-gang call buttons, height 1600 mm
- Gira Energy profile with light element, equipped with automatic control switch and door station 1-gang, height 1600 mm
- Gira energy profile with three socket outlets, height 491 mm
- Gira light profile with slat element, height 769 mm
- Gira light profile, height 491 mm



## Integration in existing front panels and letterbox systems

### Gira installation solutions

In cooperation with its partner Renz, Gira also offers door communication solutions for individual applications – from single-family houses to buildings with 68 residential units. Gira door stations can be integrated in a broad range of letterbox systems or in individually produced front panels from various manufacturers. This is also the case – in conjunction with a built-in loudspeaker – for existing units, speech compartments and door side installations. A wide selection of design and material variants is available.

#### Integration in letterbox systems

Through the cooperation with Renz, Gira door stations can be integrated as desired in a variety of letterbox systems. The housings can be ordered from Renz with cut-outs for installing the individual Gira functions. These are then integrated with a special installation profile attached to the inside of the letterbox system.

#### Integration in front panels

Custom production for individual customer requirements for large residential units or the integration in front panels with flush-mounted boxes or surface-mounted housing is realised by Gira together with Renz.

The front panels, made of varying materials such as stainless steel, aluminium and titanium can be varied in material thickness and surface depending on the customer's wishes. Coloured surfaces in accordance with the RAL table are also possible. It is also integrated with an installation profile.

Door station 3-gang with colour camera, letterbox solution in cooperation with Renz, Model Group 14, anodised aluminium, EV1



Door station 3-gang with nine additional 3-gang call buttons and info module, integrated in an aluminium front panel from Renz



#### For more information:

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Boschstraße 3, 71737 Kirchberg/Murr, Germany,  
Phone +49 (0) 71 44 - 301 - 0, Fax +49 (0) 71 44 - 301 - 185,  
[www.renz-briefkasten.de](http://www.renz-briefkasten.de)

## The interface for mechanical call buttons in existing systems

### Gira built-in loudspeakers

With the built-in loudspeaker, the Gira door communication system is integrated in letterbox systems, door side installations or front panels. The built-in loudspeaker assumes the function of a door station and acts as an adapter between the mechanical call buttons of the existing system and the Gira 2-wire bus.

#### Integration in existing systems

The compact, weatherproof built-in loudspeaker with an adjustable voice volume is screwed in behind the loudspeaker and microphone covers of the existing systems and can be connected to up to eight mechanical call buttons via screw terminals. Pressing of the call buttons is acoustically acknowledged by the built-in loudspeaker. The inputs are polled via alternating current for trouble-free long-term operation.

The built-in loudspeaker can be connected to the colour camera of the Gira door station via a connection cable. This is integrated e.g. into a cut-out in the door-side installation or in the front panel of the existing system. For integration in the system and for signal transmission and power supply, the built-in loudspeaker is connected to the Gira 2-wire bus.

#### Add-on module for built-in loudspeaker

The add-on module is required when more than eight call buttons are to be integrated in the Gira door communication system. It provides connection options for an additional twelve call buttons and is installed in the speech compartment of the system in addition to the built-in loudspeaker. Due to its flat, minimised design, installation of the add-on module is simple even with narrow voice compartments.

The add-on module can only be used in conjunction with the built-in loudspeaker and is connected to it via a connection cable. Up to five add-on modules can be connected to the built-in loudspeaker in this way, which means objects with up to 68 residential units can be realised.

Gira built-in loudspeaker integrated into a letterbox system from Renz, Model Group 14, stainless steel front panel material



Gira built-in loudspeaker integrated into the anti-vandalism door station from Renz with stainless-steel front panel.



Gira built-in loudspeaker with add-on module



Gira built-in loudspeaker

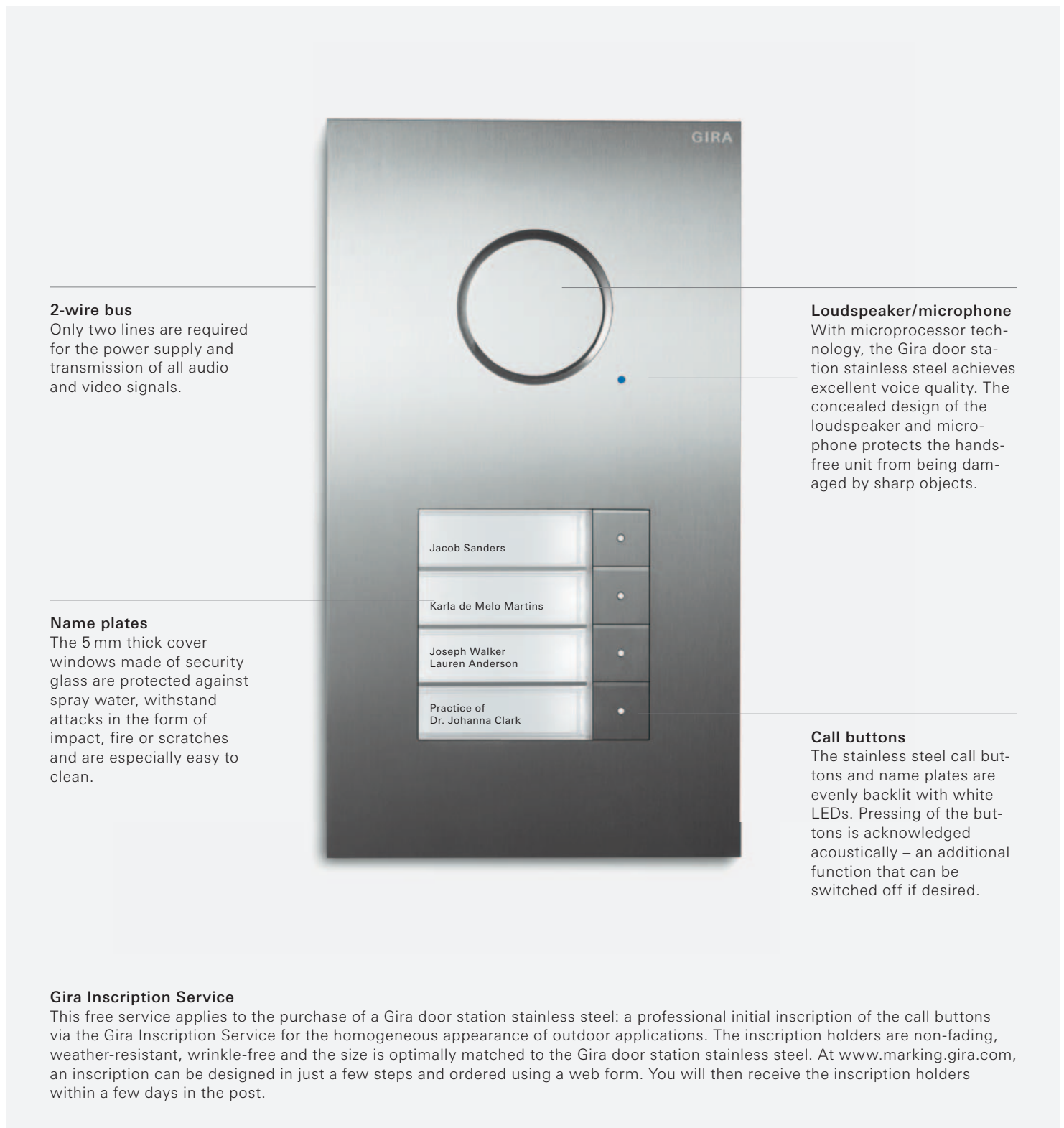


## Elegant and robust

### Gira door station stainless steel

The Gira door station stainless steel combines design and strength. It's not only highly attractive with its high-quality stainless-steel front panel but also extremely rugged and thus vandal-proof. Variants for up to twelve residential units are available – with and without colour cameras.

Fig: Gira door station stainless steel, 4-gang





**Loudspeaker/microphone**

The hands-free unit is equipped with an echo suppressor. An echo suppressor activates the microphone automatically where the voice level is greater. However, if ambient noises at the front door are particularly loud, the microphone on the home station can also be activated with the press of a button.

**Call buttons and name plates**

The stainless steel call buttons and name plates are backlit with white LEDs. Pressing of the buttons is acknowledged acoustically – an additional function that can be switched off if desired.

**Vandalism-protected construction**

The ground front panel made of high-quality stainless steel is 3 mm thick and mounted without screws. A special opening tool is included in the scope of supply for unlocking. The front panel and name plates match up nearly seamlessly, so nothing can be inserted in the cracks. The name plates are protected with security glass, and the microphone and loudspeaker are concealed. The call buttons made of rugged stainless steel are also extremely durable. The inscription labels can be removed from the door station without dismantling. The camera cover plate is made of shock-resistant plastic and can be easily replaced if damaged.

Gira door station  
stainless steel, 2-gang  
Dimensions  
W x H 160 x 218 mm



Gira door station  
stainless steel, 12-gang  
Dimensions  
W x H 270 x 285 mm



Gira door station video  
stainless steel, 4-gang  
Dimensions  
W x H 160 x 352 mm



Gira door station video  
stainless steel, 12-gang  
Dimensions  
W x H 270 x 285 mm

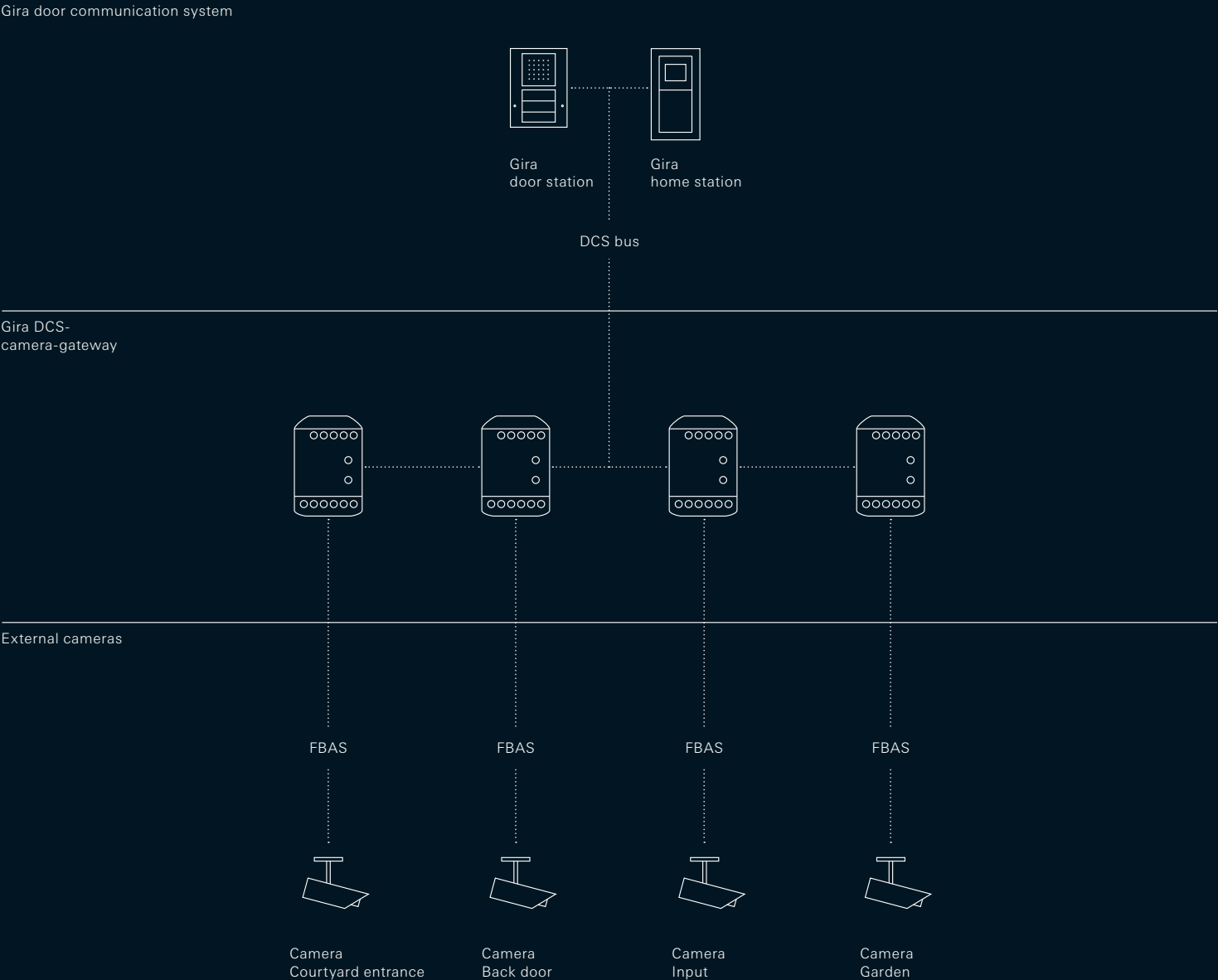


# Integration of external cameras

## Gira DCS-camera-gateway

External analogue cameras can be integrated in the Gira door communication system via the Gira DCS-camera-gateway. This makes it possible to equip the door stations with video functionality even retroactively and have a view of several freely selected areas with one home station.

Fig: System overview of Gira DCS-camera-gateway





#### Gira DCS-camera-gateway

The Gira DCS-camera-gateway integrates an external analogue camera in the Gira door communication system via the 2-wire bus and the video control device. In this way the door stations can also be equipped with video functionality retroactively without much installation effort. Several DCS-camera-gateways can be operated in series or wired in a star configuration. Thus it is possible to have several freely selected areas in view with one home station, such as e.g. the courtyard entrance, back door or the frontal view of the entrance area. This is how the Gira DCS-camera-gateway makes door communication more convenient while increasing security within your home. In the past, a maximum of three cameras could be connected per door station. By using several DCS-camera-gateways, now more than three cameras can also be connected to one door station. The Gira DCS-camera-gateway can be operated with or without an assigned door station. If the external camera is assigned to a door station, the door call automatically activates the camera. For operation without a door station, the camera image can be switched on manually using the home station.

An adapter cable is included for cameras with BNC connections. The Gira DCS-camera-gateway can be installed surface-mounted, flush-mounted or on a top-hat rail using the provided DRA adapter. The connection of camera and gateway is via a BNC plug connection, and communication via FBAS. The door station is assigned simply by pressing a button. The gateway features a micro push button and control LED for this purpose.



#### External camera

The external camera for wall and ceiling mounting can be integrated in the Gira door communication system via the DCS-camera-gateway. Equipped with a wide-range lens, a zoom and focus function and integrated infrared lighting, the camera is also suitable for monitoring dark areas and use from further distances. The light-sensitive chip set ensures clear imaging in case of poor lighting conditions. Adjustable infrared LEDs enable monitoring in total darkness. Power is supplied via an additional voltage supply 12 V DC.

# Keyless access to rooms and buildings

## Gira Keyless In

The Gira Keyless In system enables secure access control without keys, by recognising fingerprints, entering a numeric code or using transponders, users can conveniently enter rooms and buildings, depending on the access authorisation. All of the devices can be installed in combination with the Gira door stations or as individual devices in standard 58 mm flush-mounted boxes.



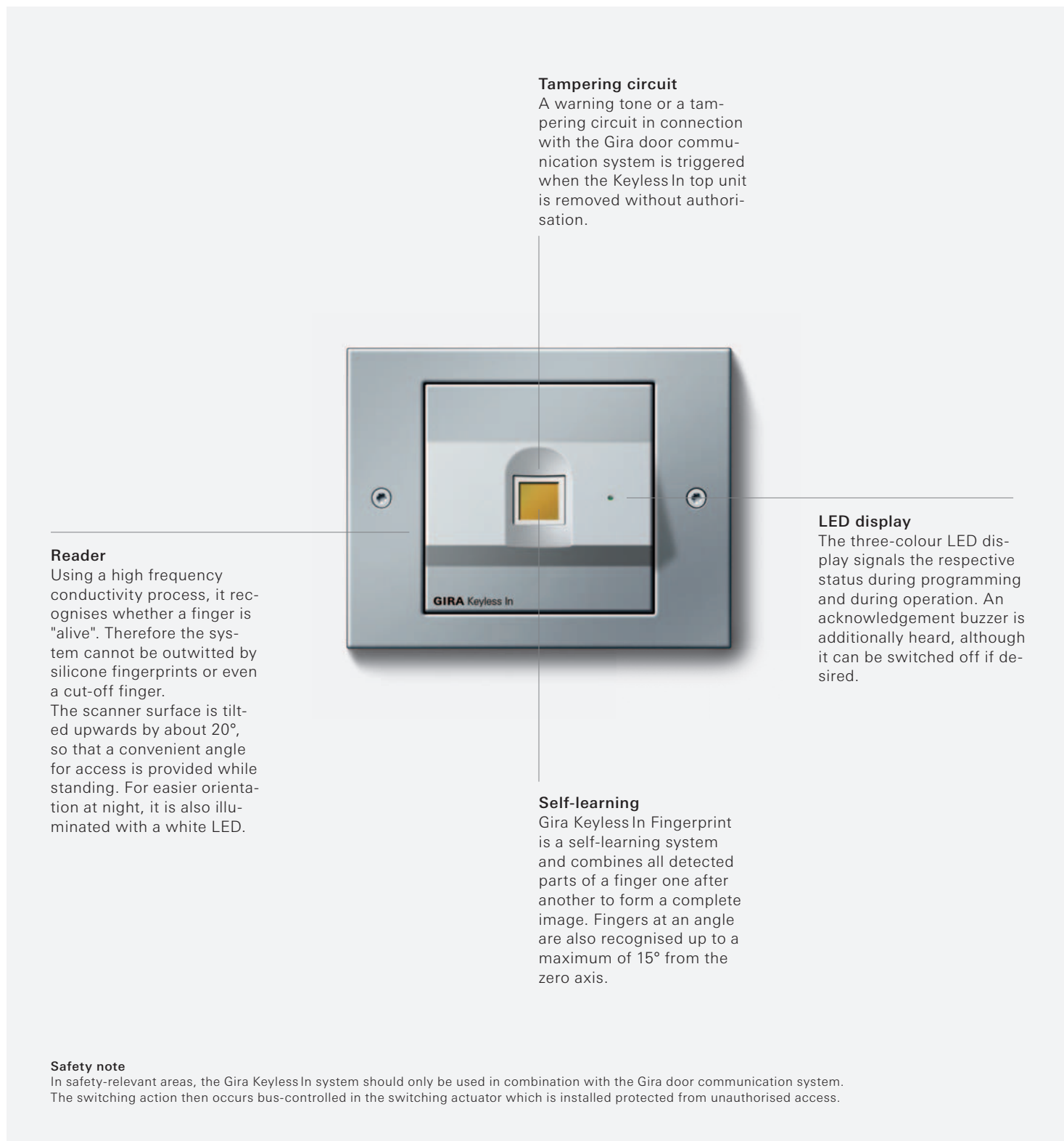
Fig: Gira door station, 3-gang with Keyless In Fingerprint

## Opening doors with a fingerprint

### Gira KeylessIn Fingerprint

Gira KeylessIn Fingerprint works with the biometric system. The most modern high-frequency technology recognises the fingerprint of the deepest layers of skin, so that there is reliable access even in case of minor injuries to the skin surface, slight skin soiling, or gradual changes to the skin's structure due to age. Even children's fingerprints from approximately six years old upwards are identified correctly. When the finger grows and changes, the system learns and repeatedly restores the data.

Fig: Gira KeylessIn Fingerprint, Gira TX\_44, colour aluminium



## Opening the door with a numeric code

### Gira Keyless In Keypad

The Gira Keyless In Keypad opens the door when a personal code is entered. Even pushing without pressure is recognised as actuation. This enables wear-free operation and thus increases security. With the Keyless In Keypad, up to 255 codes can be managed.

Fig: Gira Keyless In Keypad, Gira TX\_44, colour aluminium



#### User interface

The capacitive sensor buttons react even when they are pushed without pressure. Thus they enable wear-free operation and make it difficult to discern certain number combinations which are entered frequently. For better orientation at night, the numbers and symbols are backlit with blue LEDs.

#### LED display

The three-colour LED display signals the respective status during programming and during operation. An acknowledgement buzzer is additionally heard, although it can be switched off if desired.

#### Tampering circuit

An acoustic warning tone or a tampering circuit in connection with the door communication system is triggered with unauthorised removal of the keypad unit.

#### Safety note

In safety-relevant areas, the Gira Keyless In system should only be used in combination with the Gira door communication system. The switching action then occurs bus-controlled in the switching actuator which is installed protected from unauthorised access.

## Opening the door with a radio key

### Gira Keyless In Transponder

The Gira Keyless In Transponder reader is equipped with long-range transponder technology. The reader responds to the signal from the active transponder key or the transponder card. The key can simply remain in the pocket because it transmits its signal automatically starting from approximately 1.5 m to the door. When the card is used, the device reacts within the close range of approx. 6 cm.

Fig: Gira Keyless In Transponder reader, Gira TX\_44, colour aluminium, transponder card for close-range reading, transponder key for long-range reading.

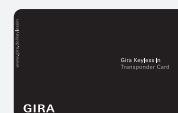
#### LED display

The three-colour LED display signals the respective status during programming and during operation. An acknowledgement buzzer is additionally heard, although it can be switched off if desired.



#### Tampering circuit

A warning tone or a tampering circuit in connection with the Gira door communication system is triggered when the Keyless In top unit is removed without authorisation.



#### Close range

The passive transponder card transmits the signal at a distance of approx. 6 cm to the reader. This may be desired for security reasons, when the key has been deposited within the building e.g. on a chest of drawers in the immediate vicinity of the door.



#### Long range

The active transponder key automatically triggers a switching action at a distance of approx. 1.5 m. The distance can optionally be shortened to approx. 0.75 m. The near-range function is additionally integrated and triggers the command to open the door at a distance of approx. 6 cm.

#### Safety note

In safety-relevant areas, the Gira Keyless In system should only be used in combination with the Gira door communication system. The switching action then occurs bus-controlled in the switching actuator which is installed protected from unauthorised access.



## Integration in door stations and energy profiles

### Gira KeylessIn

Gira KeylessIn products can be integrated in the Gira door communication system. Both inside and outside, Fingerprint, Keypad and Transponder integrate harmoniously in the switch ranges. That enables not only unity of design but also greater security. When integrated, there are no contacts that can be bypassed by unauthorised persons.

Integration in Gira energy profiles is also possible.

Fig: Gira door station, 3-gang with KeylessIn Fingerprint



Fig: Gira door station, 1-gang with colour camera and KeylessIn Fingerprint



GIRA

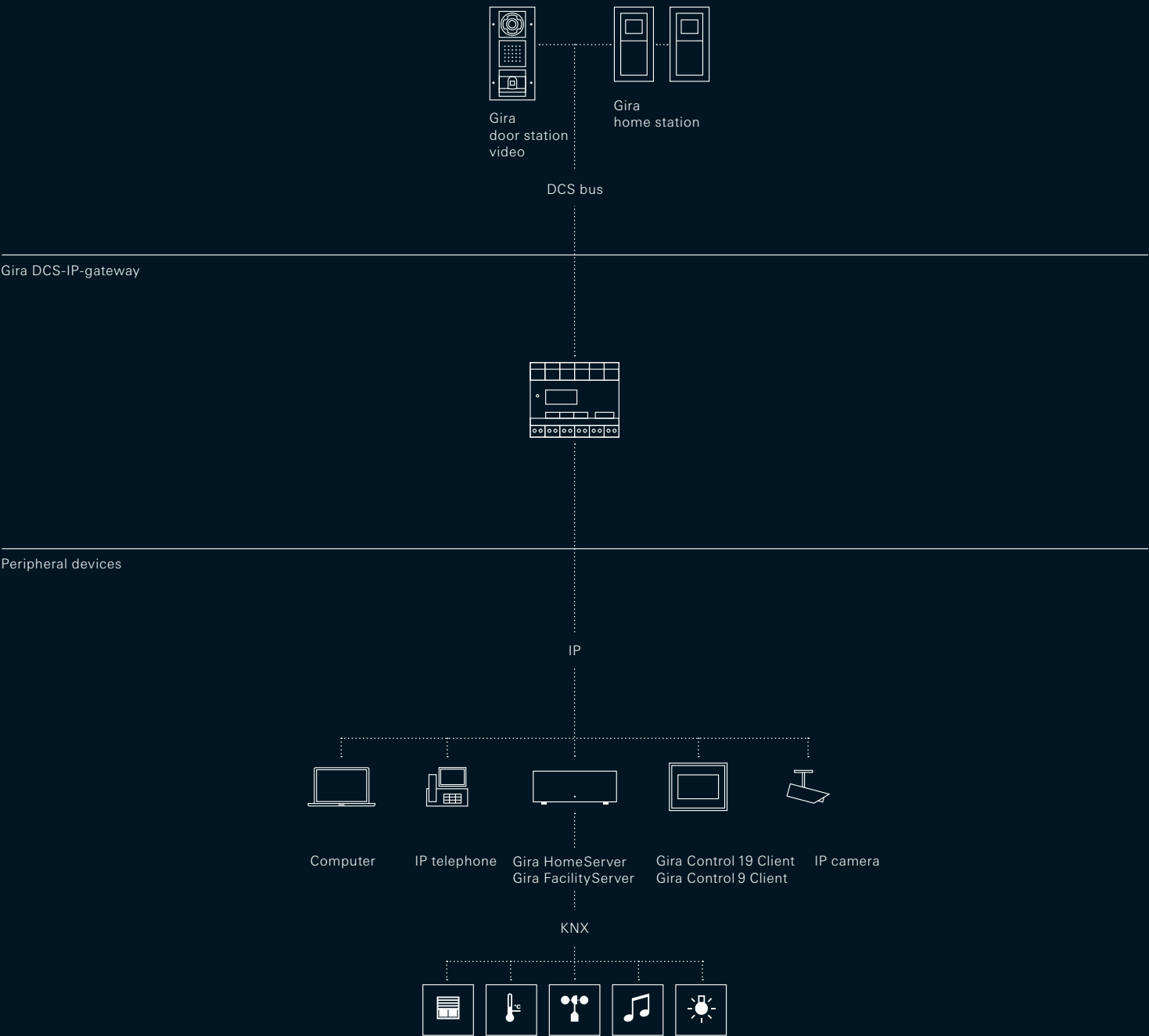
Flexible access control

Gira KeylessIn in combination with the Gira HomeServer

With Gira KeylessIn and the Gira HomeServer, individual access to the building, individual areas and rooms within the house can be controlled flexibly. People or groups can be granted access for anytime, only for certain days and times, or once only. To increase security, codes can be changed automatically following defined time periods. In addition, via the Gira HomeServer, all functions of the building technology can be coupled with the access, e. g. switching light on or raising blinds.

Fig: System overview of Gira KeylessIn in combination with the Gira HomeServer

Gira door communication system  
with KeylessIn



## Flexible access control

### Application examples

#### Time-controlled access control

Cleaning personnel is only granted access to the building on certain days of the week and at certain times. The Gira KeylessIn Keypad opens the door when a personal code is entered.

Access is denied outside the defined periods.

#### Access at anytime

A resident is granted access to the building at any time by entering his personal code using the Gira KeylessIn Keypad. Any other switching processes in the home can be linked to opening the door. Programming is simple using the Gira Control Clients or on the computer.

#### Controlling access to areas

In a company, a certain area such as the development department should only be accessible to a defined group of people. These people are given a transponder key or a transponder card for this. Access is controlled by the Gira KeylessIn Transponder with long-range transponder technology. The reader reacts to the signal of the active transponder key or transponder card – already at a distance of approx. 1.5 m to the door, depending on the setting. Up to 250 keys or cards can be managed per transponder device.

The keys or cards are assigned to the readers once when starting up the system.

#### One-time access

The parcel service wants to deliver a package, but no one is in the building. He can contact the recipient per mobile phone. The recipient then creates a universal code with one-time validity and sends it to the parcel carrier per text message. After the code is entered, the Gira KeylessIn keypad opens the door. Access is denied if this code is entered a second time.

# Gira door communication system

## Installation

Gira makes technology simple. Installation without cabling effort and configuration without the need for all living units to be present - made possible by 2-wire bus technology and the concept of one-man start-up.

### 2-wire bus

The Gira door communication system is based on the 2-wire bus, whereby only two wires are required for power supply of the components and transmission of all audio and video signals. This means that, for example, an existing doorbell system can easily be replaced by the Gira door communication system. Instead of laying new cables, existing cables are used. In new installations the 2-wire bus technology reduces the usual cabling required for a door intercom and allows rapid non-interchangeable installation.

### Simple programming with one-man start-up

The Gira door communication system can be programmed cost-efficiently by one installer, enabling easier maintenance at a later date. Starting up the system is easy. Firstly, the call buttons on the door station are pressed for 3 seconds each in the sequence in which the home stations are to be assigned subsequently. Then one after another the home stations are processed by pressing the 'Light' button each time. Alternatively, it is possible to process the stations by operating the floor-call button. The advantage: it is not necessary for all tenants to be present in order to set up the system.

### Door communication planning aids

Electrical trade specialists can access additional information about the Gira door communication system in the planning aid "System basics of the Gira door communication system". It contains basic knowledge concerning planning and connection examples, wiring routing, configuration and more. (Order No. 17361 90)

### Online training course

Electricians can find study courses covering Gira systems at the website [www.academy.gira.com](http://www.academy.gira.com). A training course about the Gira door communication system is also available there. The advantage with online learning is that the user can individually decide when, how and where to study. If the user runs out of time, the training course can be paused and resumed at a later date. Multimedia preparation of diversified content makes it more fun and further links offer valuable additional information. Those wishing to learn merely need to register on the page and can then start with the program straight away.

### Extended number of devices

The Gira door communication system with video functionality can be installed in buildings with up to 28 home stations. When planning the system, it has often already been determined how many home stations will be installed per residential unit. In the past it was assumed that up to three home stations could be called at the same time per call button. That limited the maximum number of devices to 18. However, in large properties often only one home station is used per residential unit.

The Gira door communication system now takes this into account. It is possible to design the unit so that a call button is coupled with just one home station. Differing equipment in the residential units is possible with a corresponding reduction in the number of devices. This can be read from a gradation overview during system planning. It specifies the maximum number of devices to be used for each set-up.

When one home station is connected per residential unit, video functionality can be realised via the Gira door communication system in up to 28 residential units. Twelve residential units can be equipped if there are two home stations per residential unit. If three home stations are installed per residential unit, a maximum of six residential units can be equipped with video functionality.

Home stations per residential unit	1	2	3
Residential units	28	12	6
Home stations	28	24	18

## Gira door communication system

### Control devices

The essential components for door communication are the control devices. They take on fundamental tasks for supplying and controlling the system.



#### Audio control device

The audio control device is intended for door communication systems in which only audio components are used. It supports up to 70 devices (e.g. 1 built-in loudspeaker, 5 add-on modules for built-in loudspeakers, 68 surface-mounted home stations). In addition, the device features a door opener contact that can be programmed with the buttons on the device. Door openers with 8 to 12 V AC operating voltage can be connected directly to the relay contact of the control device. Connecting other door openers is possible using an additional power supply. The electronic self-resetting overload protection is activated if the device is overloaded, e.g. if the bus lines are short-circuited due to an installation error or too many bus users have been connected. Dimensions: DRA with 6 HP.



#### Video control device

If audio or video components are additionally used, the video control device is required. It makes more power available, as colour camera and TFT colour displays require a higher power supply. Up to two door stations with a colour camera and 28 home stations with a TFT colour display can be connected to the video control device. In total, it is possible to set up door communication systems with up to 70 audio devices. The video control device also disposes of an additional button for programming the door opener. Two colour cameras can be supplied directly via the video control device. A third camera can be optionally connected. This requires an additional power supply. Dimensions: DRA with 8 HP.



#### Switching actuator

The switching actuator is used when a switching function is to be carried out on the Gira home station or via an unassigned call button, such as switching the staircase light or opening the garage door. Together with a commercially available doorbell transformer, the switching actuator can also be used to control additional door openers, for example for a driveway gate or the door of a side entrance. The switching actuator can be programmed for various functions using the buttons on the housing: switching, timer/sec., timer/min. (staircase function), pulse for controlling an automatic staircase unit and the door opener function. In addition, the switching actuator has a binary input with which all the function types can be executed via a mechanical push button. The switching actuator is also available as a flush-mounted device. Dimensions: DRA with 2 HP.

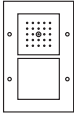
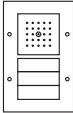








#### Power supply for door communication 24 V DC

A power supply of 24 V DC 300 mA is required for using several cameras, supplying power to the call button illumination in large facilities and for operating in combination with the Gira DCS-TC-gateway or the Gira DCS-IP-gateway. The Gira VideoTerminal requires a higher additional power supply of 24 V DC, 700 mA. Dimensions: DRA with 5 HP.




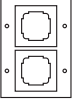
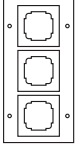
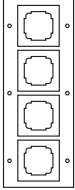





# Installation examples

## Audio

<b>1 – 6 devices</b> Surface-mounted door station, pure white									
Number of devices		Surface-mounted door station, 1-gang, Order No. 1266 66	Surface-mounted door station, 3-gang, Order No. 1267 66	Surface-mounted door station, 6-gang, Order No. 1268 66	Audio control device, Order No. 1287 00	Surface-mounted home station, Order No. 1250 03	Frame Standard 55, 2-gang without crossbar, Order No. 1002 03	Home station, Order No. 1280 103	Frame Standard 55, 2-gang, Order No. 0212 03
									
Surface-mounted door station, pure white Surface-mounted home station, pure white glossy									
1		1			1	1	1		
2			1		1	2	2		
3			1		1	3	3		
4				1	1	4	4		
5				1	1	5	5		
6				1	1	6	6		
Surface-mounted door station, pure white Home station, pure white glossy									
1		1			1			1	1
2			1		1			2	2
3			1		1			3	3
4				1	1			4	4
5				1	1			5	5
6				1	1			6	6

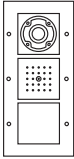
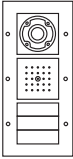






# Installation examples

## Audio

1 – 9 devices Door station, pure white												
Number of devices		Door station, 1-gang, Order No. 1260 66	Door station, 3-gang, Order No. 1261 66	Call button, 3-gang, Order No. 1263 00	Frame TX_44, 2-gang, Order No. 0212 66	Frame TX_44, 3-gang, Order No. 0213 66	Frame TX_44, 4-gang, Order No. 0214 66	Audio control device, Order No. 1287 00	Surface-mounted home station, Order No. 1250 03	Frame Standard 55, 2-gang without crossbar, Order No. 1002 03	Home station, Order No. 1280 103	Frame Standard 55, 2-gang, Order No. 0212 03
												
Door station, pure white Surface-mounted home station, pure white glossy												
1		1			1			1	1	1		
2			1		1			1	2	2		
3			1		1			1	3	3		
4			1	1		1		1	4	4		
5			1	1		1		1	5	5		
6			1	1		1		1	6	6		
7			1	2			1	1	7	7		
8			1	2			1	1	8	8		
9			1	2			1	1	9	9		
Door station, pure white Home station, pure white glossy												
1		1			1			1			1	1
2			1		1			1			2	2
3			1		1			1			3	3
4			1	1		1		1			4	4
5			1	1		1		1			5	5
6			1	1		1		1			6	6
7			1	2			1	1			7	7
8			1	2			1	1			8	8
9			1	2			1	1			9	9

# Installation examples





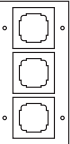
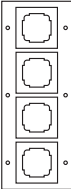



## Video

<b>1 – 3 devices</b> Surface-mounted door station video, pure white									
Number of devices		Surface-mounted door station video, 1-gang, Order No. 1269 66	Surface-mounted door station video, 3-gang, Order No. 1270 66	Video control device, Order No. 1288 00	Home station, Order No. 1280 103	TFT colour display, Order No. 1286 03	Frame Standard 55 3-gang, Order No. 0213 03	Surface-mounted home station video, Order No. 1279 03	Frame Standard 55, 2-gang without crossbar, Order No. 1002 03
									
Surface-mounted door station video, pure white Home station with TFT colour display, pure white glossy									
1		1		1	1	1	1		
2			1	1	2	2	2		
3			1	1	3	3	3		
Surface-mounted door station video, pure white Surface-mounted home station video, pure white glossy									
1		1		1				1	1
2			1	1				2	2
3			1	1				3	3







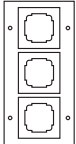
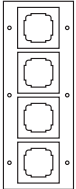




# Installation examples

## Video

1 – 6 devices											
Door station with colour camera, pure white											
Surface-mounted home station video, pure white glossy											
Number of devices		Door station, 1-gang, Order No. 1260 66	Door station, 3-gang, Order No. 1261 66	Call button, 3-gang, Order No. 1263 00	Colour camera, Order No. 1265 66	Frame TX_44, 3-gang, Order No. 0213 66	Frame TX_44, 4-gang, Order No. 0214 66	Video control device, Order No. 1288 00	Surface-mounted home station video, Order No. 1279 03		Frame Standard 55, 2-gang without crossbar, Order No. 1002 03
											
1		1			1	1		1	1		
2			1		1	1		1	2		
3			1		1	1		1	3		
4			1	1	1		1	1	4		
5			1	1	1		1	1	5		
6			1	1	1		1	1	6		

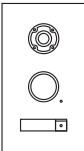
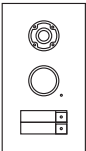



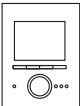
# Installation examples

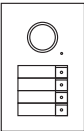
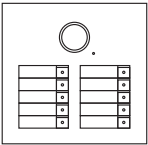



## Keyless In Fingerprint

1 – 6 devices and Gira Keyless In Fingerprint											
Door station with Keyless In Fingerprint, pure white											
Home station, pure white glossy											
Number of devices		Door station, 1-gang, Order No. 1260 66	Door station, 3-gang, Order No. 1261 66	Call button, 3-gang, Order No. 1263 00	Keyless In Fingerprint reader, Order No. 2607 66	Frame TX_44, 3-gang, Order No. 0213 66	Frame TX_44, 4-gang, Order No. 0214 66	Audio control device, Order No. 1287 00	Power supply, Order No. 1296 00	Home station, Order No. 1280 103	Frame Standard 55 2-gang, Order No. 0212 03
											
1		1			1	1		1	1	1	1
2			1		1	1		1	1	2	2
3			1		1	1		1	1	3	3
4			1	1	1		1	1	1	4	4
5			1	1	1		1	1	1	5	5
6			1	1	1		1	1	1	6	6

## Installation examples






### Door station stainless steel video and VideoTerminal and door station stainless steel

<b>1–2 devices</b> Door station stainless steel video VideoTerminal in surface-mounted mounting frame, glass white						
Number of devices	Door station stainless steel video, 1-gang, Order No. 2551 20	Door station stainless steel video, 2-gang, Order No. 2552 20	Video control device, Order No. 1288 00	Power supply, Order No. 2570 00	Mounting frame surface-mounted, Order No. 1251 04	Video Terminal, glass white, Order No. 2600 12
						
1	1		1	1	1	1
2		1	1	2	2	2

<b>1–12 devices</b> Door station, stainless steel Surface-mounted home station, pure white glossy						
Number of devices	Door station stainless steel, 4-gang	Door station stainless steel, 10-gang	Audio control device, Order No. 1287 00	Surface-mounted hands-free home station, Order No. 1250 03		Frame Standard 55, 2-gang without cross-bar, Order No. 1002 03
						
	Quantity	Order No.	Quantity	Order No.		
1	1	2501 20	1	1		
2	1	2502 20	1	2		
3	1	2503 20	1	3		
4	1	2504 20	1	4		
6	1	2506 20	1	6		
8	1	2508 20	1	8		
9	1	2509 20	1	9		
10		1 2510 20	1	10		
12		1 2512 20	1	12		

Installation examples

Installation solution

1 – 68 devices Built-in loudspeaker for integration into existing systems Surface-mounted home station, pure white glossy							
Number of devices		Built-in loudspeaker, Order No. 1258 00 	Add-on module, Order No. 1259 00 	Audio control device, Order No. 1287 00 	Surface-mounted home station, Order No. 1250 03 		Frame Standard 55, 2-gang without crossbar, Order No. 1002 03 
1		1		1	1		
2		1		1	2		
3		1		1	3		
4		1		1	4		
5		1		1	5		
6		1		1	6		
7		1		1	7		
8		1		1	8		
9		1	1	1	9		
10		1	1	1	10		
11		1	1	1	11		
12		1	1	1	12		
13		1	1	1	13		
14		1	1	1	14		
15		1	1	1	15		
16		1	1	1	16		
17		1	1	1	17		
18		1	1	1	18		
19		1	1	1	19		
20		1	1	1	20		
21		1	2	1	21		
22		1	2	1	22		
23		1	2	1	23		
24		1	2	1	24		
25		1	2	1	25		
26		1	2	1	26		
27		1	2	1	27		
28		1	2	1	28		
29		1	2	1	29		
30		1	2	1	30		
35		1	3	1	35		
40		1	3	1	40		
45		1	4	1	45		
50		1	4	1	50		
55		1	4	1	55		
60		1	5	1	60		
65		1	5	1	65		
68		1	5	1	68		

## Installation examples

### Installation solution

1 – 28 devices											
Door station with colour camera for integration into existing systems											
Surface-mounted home station video, pure white glossy											
Resi- den- tial units	Suitable letterbox system or front panel, e.g. from Renz	Colour camera, Order No. 1265 66	Built-in loud- speaker, Order No. 1258 00	Add-on module, Order No. 1259 00	Video control device, Order No. 1288 00	One home station per residential unit		Two home stations per residential unit		Three home stations per residential unit	
						Surface- mounted home station video, Order No. 1279 03 in frame Standard 55*		Surface- mounted home station video, Order No. 1279 03 in frame Standard 55*		Surface- mounted home station video, Order No. 1279 03 in frame Standard 55*	
1		1	1		1	1		2		3	
2		1	1		1	2		4		6	
3		1	1		1	3		6		9	
4		1	1		1	4		8		12	
5		1	1		1	5		10		15	
6		1	1		1	6		12		18	
7		1	1		1	7		14			
8		1	1		1	8		16			
9		1	1	1	1	9		18			
10		1	1	1	1	10		20			
11		1	1	1	1	11		22			
12		1	1	1	1	12		24			
13		1	1	1	1	13					
14		1	1	1	1	14					
15		1	1	1	1	15					
16		1	1	1	1	16					
17		1	1	1	1	17					
18		1	1	1	1	18					
19		1	1	1	1	19					
20		1	1	1	1	20					
21		1	1	2	1	21					
22		1	1	2	1	22					
23		1	1	2	1	23					
24		1	1	2	1	24					
25		1	1	2	1	25					
26		1	1	2	1	26					
27		1	1	2	1	27					
28		1	1	2	1	28					

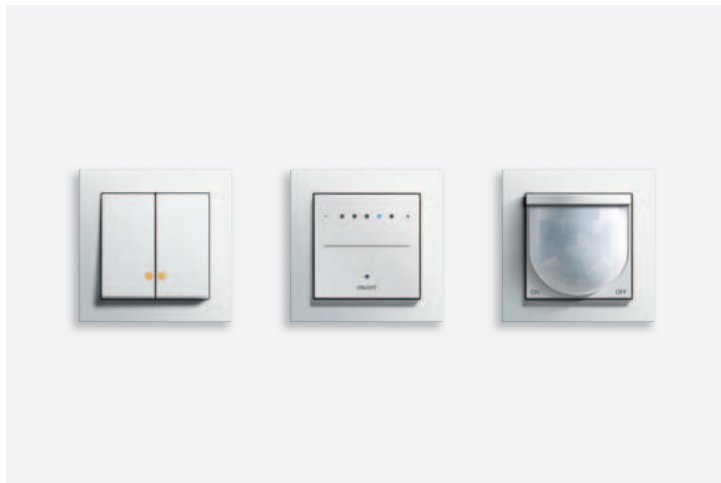
\*2-gang without crossbar, pure white glossy, Order No. 1002 03

## Intelligent building technology from Gira

### Innovative products, systems and solutions

Intelligent building technology from Gira offers more convenience, more security and a great deal of flexibility and mobility for your home. Gira develops and manufactures systems and products which set standards both in technology and design.

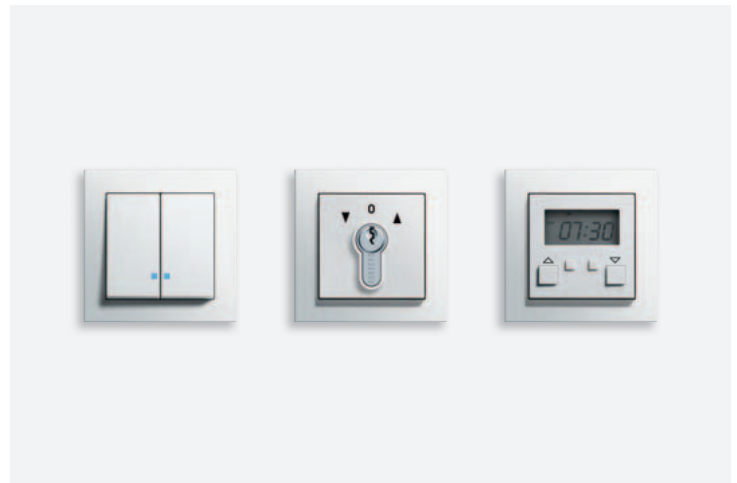
Fig (from left to right): Series control switch, Touchdimmer, automatic control switch 2



#### Light control

Diverse products are available for switching and dimming lights, including dimmers, push switches, rocker switches, and pull switches in different variants and solutions for automatic and need-based light control.

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



#### Blind controller

The various solutions for electronic blind control ensure more convenience in buildings. Blinds, shutters or awnings can be controlled fully automatically. Of course, manual operation is always possible as an alternative.

Fig (from left to right): Room temperature controller, continuous controller, ambient air sensor CO<sub>2</sub>



#### Air conditioning/heating control

An ideal room climate can be achieved or maintained with the Gira products for air conditioning and heating control. The product range includes room temperature controllers, continuous controllers and ambient air sensor to measure the CO<sub>2</sub> concentration in the air, among other products.

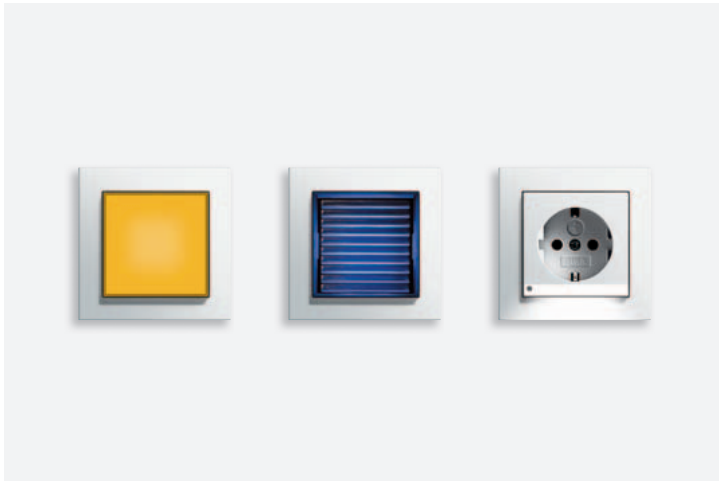
Fig (from left to right): Gira RDS flush-mounted radio, Gira control unit M217/M218 for the Revox multiroom system



#### Music control

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

Fig (from left to right): LED orientation lamp, LED orientation lamp with slat element, Schuko socket outlet with LED orientation lamp



#### LED illumination and orientation

Gira offers a wide range of LED signal and orientation lights which can be inscribed individually or provided with pictograms.

Fig (from left to right): TAE connection box with inscription space, modular Jack/Western plug connector with inscription space, data cap with inscription space and D-Sub connector.



#### Communication technology

There is a broad range of connection boxes available for connecting a wide variety of communication devices. They can be installed in the wall, parapet ducts from common manufacturers or in floor tanks.

Fig (from left to right): Push button sensor 3 Plus 5-gang, push button sensor 3 Comfort 3-gang, push button sensor 3 Basic 1-gang



#### Gira KNX system

The system for intelligent building technology: KNX. This flexible bus technology enables the automation and central control of the entire electrical installation in the building – which not only offers more convenience and safety, but also saves energy.

Fig: Gira smoke alarm device Dual/VdS



#### Safety

Sleep peacefully and go on holiday without care. Gira alarm systems with motion detectors, door and window contacts, smoke detectors and more provide security – regardless if they are wired, installed with the Gira KNX system or retrofitted.

## Gira switch ranges

### Award-winning design and diverse functions

Ten switch ranges, over 50 frame variants and more than 300 inserts in different colours and materials: The modular Gira design system offers a broad range of design and function. In addition to switches and socket outlets, numerous other functions can be integrated, such as door intercoms or KNX push button sensors.

#### Gira Standard 55

- 01 Pure white matt
- 02 Pure white glossy
- 03 Cream white glossy



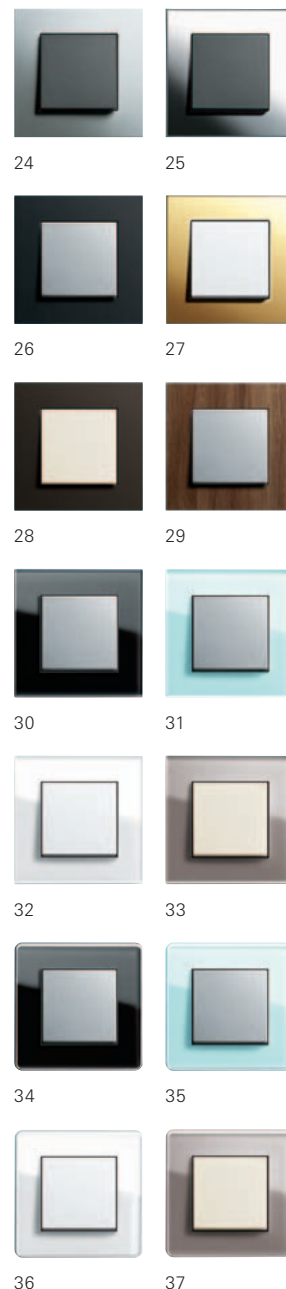
#### Gira Event Clear

- 11 Green/ pure white glossy
- 12 White/ pure white glossy
- 13 Black/ pure white glossy
- 14 Sand/ anthracite
- 15 Brown/ cream white glossy
- 16 Aubergine/ colour aluminium



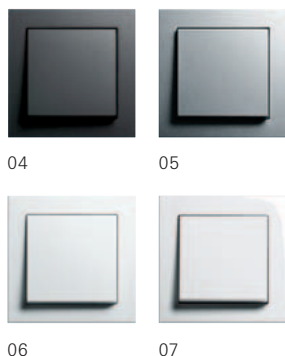
#### Gira Esprit

- 24 Aluminium/ anthracite
- 25 Chrome/ anthracite
- 26 Aluminium black/ colour aluminium
- 27 Brass/ pure white glossy
- 28 Aluminium brown/ cream white glossy
- 29 Walnut- aluminium/ colour aluminium
- 30 Glass black/ colour aluminium
- 31 Glass mint/ colour aluminium
- 32 Glass white/ pure white glossy
- 33 Glass umber/ cream white glossy
- 34 Glass C black/ colour aluminium
- 35 Glass C mint/ colour aluminium
- 36 Glass C white/ pure white glossy
- 37 Glass C umber/ cream white glossy



#### Gira E2

- 04 Anthracite
- 05 Colour aluminium
- 06 Pure white matt
- 07 Pure white glossy



#### Gira Event Opaque

- 17 Mint/ pure white glossy
- 18 Blue/ pure white glossy
- 19 Red/ pure white glossy
- 20 Orange/ pure white glossy
- 21 White/ colour aluminium
- 22 Amber/ colour aluminium
- 23 Brown/ anthracite



#### Gira Event

- 08 Colour aluminium/ anthracite
- 09 Anthracite/ anthracite
- 10 Pure white glossy/ pure white glossy





**Gira ClassiX**38  
Brass/  
brass

38

39  
Bronze/  
Bronze

39

40  
Brass-  
cream white/  
brass

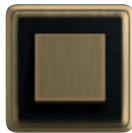
40

41  
Bronze-  
cream white/  
bronze

41

42  
Brass-  
black/  
brass

42

43  
Bronze-  
black/  
bronze

43

**Gira ClassiX  
Art**44  
Brass/  
brass

44

45  
Bronze/  
bronze

45

46  
Brass-  
cream white/  
brass

46

47  
Bronze-  
cream white/  
bronze

47

48  
Brass-  
black/  
brass

48

49  
Bronze-  
black/  
bronze

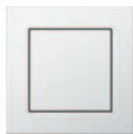
49

**Gira E22**50  
Stainless Steel

50

51  
Aluminium

51

52  
Thermoplastic  
(pure white  
glossy)

52

**Gira  
Stainless steel**53  
Series 20

53

54  
Series 21

54

**Gira F100**55  
Pure white  
glossy/  
pure white  
glossy

55

56  
Cream white  
glossy/  
cream white  
glossy

56

57  
Colour  
platinum/  
pure white  
glossy

57

58  
Colour chrome/  
pure white  
glossy

59

59  
Colour brass/  
cream white  
glossy**Gira S-Color**60  
Black

60

61  
Blue

61

62  
Grey

62

63  
Red

63

64  
Pure white

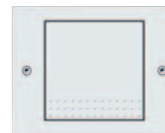
64

**Gira TX\_44**65  
Anthracite

65

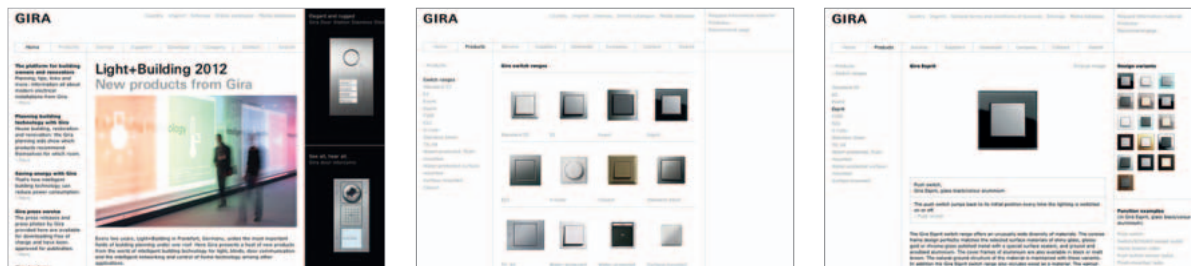
66  
Colour  
aluminium

66

67  
Pure white

67

More about Gira: Additional information about Gira and the Gira products can be found at [www.gira.com](http://www.gira.com). Additional brochures can also be requested from the Gira Information Ordering Service. + 49 (0) 21 95 - 602 - 128, Fax + 49 (0) 21 95 - 602 - 119, [info@gira.com](mailto:info@gira.com)



### [www.gira.com](http://www.gira.com)

The Gira website provides you with information on the company and the entire Gira product range. The Gira products are presented with illustrations, a brief description, function and design examples and detailed technical specifications. Our extensive download area offers brochures, manuals, operating instructions, etc. for download.



### Intelligent building technology from Gira

The brochure shows the entire Gira product line and also provides basic information on each product. Order No. 18601 90

Distributor  
Gira Giersiepen GmbH & Co. KG

Concept, design, editing  
schmitz  
Visuelle Kommunikation,  
[www.hgschmitz.de](http://www.hgschmitz.de)

Product photography  
Dirk Hoffmann, Jüchen  
Udo Kowalski, Wuppertal  
Henrik Spohler, Hamburg

Lithography  
vimago – Die Medien-Experten.  
Krefeld

Printing  
Bernecker MediaWare AG, Melsungen

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