GIRA

The system for every application:
single- and multi-family buildings
surface mounting or flush mounting
integration into its own system and
systems from other manufacturers
audio and video functions
high-quality and vandal-proof
inside and outside

Gira door communication
In the switch range style

The Gira door communication system.

The Gira surface-mounted hands-free feature home station.

The Gira surface-mounted hands-free feature home station is pre-fabricated and ready to connect for fast, easy, clean installation on walls and has a very low height.

Operation is carried out via four push buttons, and communication via an intelligent hands-free speech function. This offers excellent voice reproduction quality – comparable to the outstanding level of speech comprehension provided by modern hands-free systems in cars.

Another advantage: The Gira surface-mounted hands-free feature home station has no receiver which could be ripped off or fall due to careless handling. It's also made of shatter-proof material. This reduces the need for spare parts and the corresponding frustration to almost nil.

The home station can be installed either as a base unit without a cover frame or in the 2-gang cover frame without a crossbar from the Gira Standard 55, Gira E2, Gira Event and Gira Esprit switch ranges.

Installation in the switch frames enables perfect integration in the design of the electrical installation.

Advantages:

Uniform appearance with the electrical installation

Large variety of designs

Low height of just 20 mm

Fast, clean installation

Convenient, voice-controlled talk-back with no bothersome receiver cables

Excellent speech quality

Connections for 2-wire bus and floor-call button

Call acceptance

Door opener

Staircase lighting

Calling tone off, volume control

Surface-mounted hands-free feature home station, Gira Standard 55, pure white glossy

20 mm

Rocker switch, Gira Standard 55, pure white glossy.

16,3 mm

Design of surface-mounted hands-free feature home station: Phoenix Product Design, Stuttgart

3
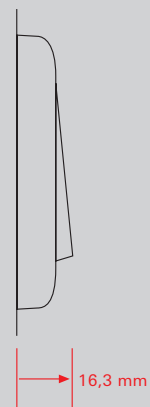
The Gira surface-mounted hands-free feature home station.
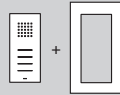
The surface-mounted hands-free feature home station has the handy size of modern mobile phones and a height of just 20 mm. In addition, it can be mounted on the wall as a base unit without a cover frame in next to no time. It is operated via four translucent operating buttons with LED backlighting for status indication.

The base unit is available in the colours pure white matt, pure white glossy, cream white glossy, anthracite and aluminium.

With voice-controlled talk-back, the hands-free speech function offers an especially convenient, trouble-free form of communication.

As a result, communication is possible even at a greater distance from the home station and the user's hands remain free.
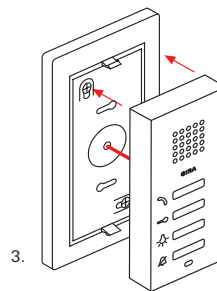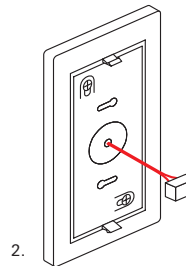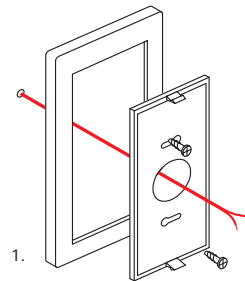
Echo compensation and back-ground noise suppression ensure the highest voice-reproduction quality.

Surface-mounted hands-free feature home station as a stand-alone base unit without a cover frame.

Surface-mounted hands-free feature home station in 2-gang cover frame without crossbar, Gira Esprit, glass mint.

Steps for the installation of a home station with cover frame.

1.
Place the 2-gang cover frame without a crossbar on the wall. Then insert the mounting plate into the cover frame and secure it to the wall with two screws.

2.
Connect both wires of the Gira 2-wire bus to the plugs.

3.
Attach the plug on the rear of the home station to the PCB. Then set the top section on the mounting plate, press on it and engage it.

The use of a cover frame enables optimal covering of messy installation conditions or an existing flush-mounted box.

In conjunction with a 2-gang frame without crossbar from the Gira Standard 55, E2, Event and Esprit switch ranges, the design of the Gira surface-mounted hands-free feature home station can be exactly matched to the rest of the installation next to the door.

Due to the large variety of the available switch frames, the Gira surface-mounted hands-free feature home station is available in more than 40 different design variants.

Surface-mounted
hands-free feature
home station,
pure white glossy.

Surface-mounted hands-free feature home station, Gira Standard 55, pure white glossy.

Surface-mounted hands-free feature home station, Gira Event, opaque blue/ pure white glossy.

Surface-mounted hands-free feature home station, Gira E2, pure white glossy.

Surface-mounted hands-free feature home station, Gira Esprit, glass mint/ pure white glossy.

The Gira door communication system.

Gira home station standard with receiver and colour TFT display.
Gira Esprit wenge wood/colour aluminium.

Push Switches
Gira Esprit wenge wood/colour aluminium.

Another function in the switch range.

Series switch

Blind control buttons

Continuous regulator

1-gang push button sensor

Push button sensors 2plus

Instabus info display 2

Automatic control switch

Electronic blind control

SCHUKO socket outlet
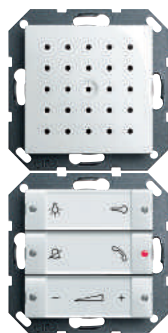

Flush-mounted radio

The Gira door communication system.
Integration in the Gira System 55.

The Gira door communication system simply expands the functionality of the Gira switch ranges and turns the door intercom system into a permanent part of the switch installation. That's because the functions of the Gira door communication system can be integrated in existing Gira design platforms.

The Gira home stations are based on the Gira System 55 modular product concept:
All inserts fit in the cover frame of the Gira Standard 55, Gira E2, Gira Event and Gira Esprit switch ranges. In addition, the home stations for flush-mounted installation can also be integrated in the cover frames from the Gira Stainless-Steel range.

That enables the Gira home stations to be installed in the same design as, for example, switches and socket outlets, and finally ensures a uniform appearance of the door communication and electrical installation systems.

In addition, it keeps the product line lean, which reduces the necessary effort and costs for ordering, order processing and stock-keeping.
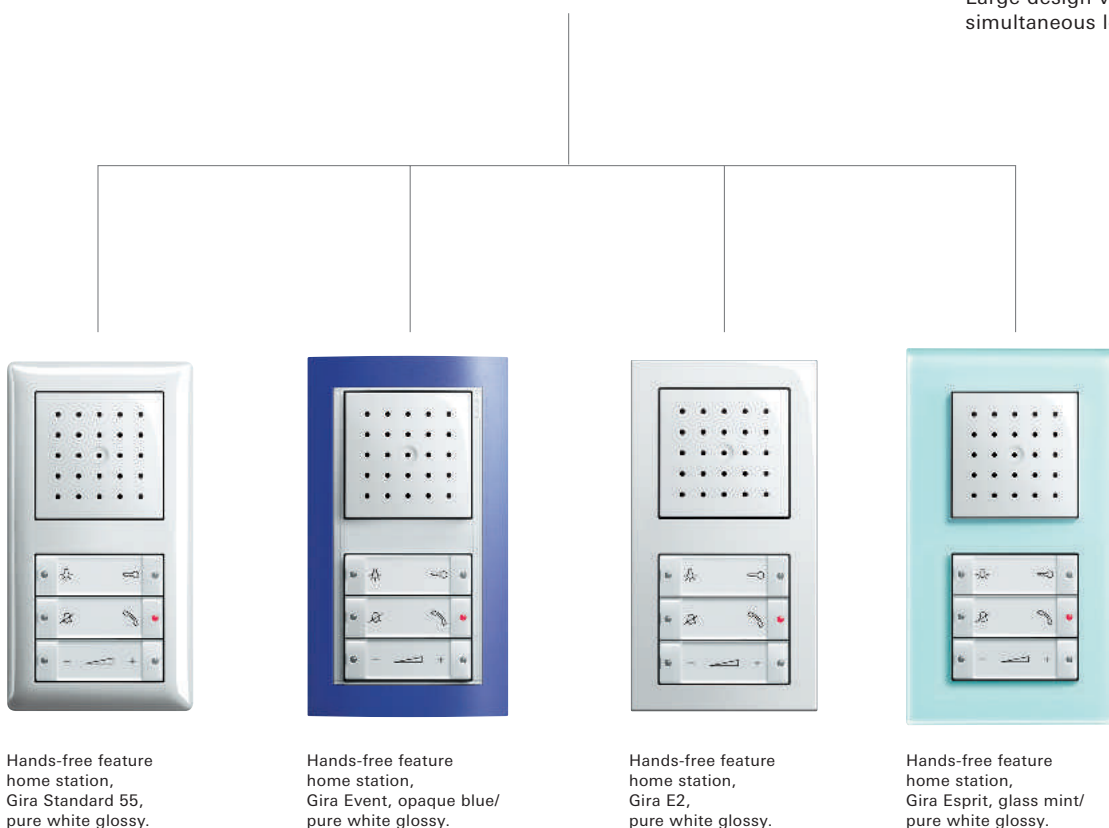
Advantages:

Uniform design of door communication and electrical installation

Door communication and other functions can be combined in a shared cover frame with the flush-mounted versions

Large design variety with simultaneous lean product range

Inserts of hands-free feature home station, pure white glossy/ transparent white.

Hands-free feature home station, Gira Standard 55, pure white glossy.

Hands-free feature home station, Gira Event, opaque blue/ pure white glossy.

Hands-free feature home station, Gira E2, pure white glossy.

Hands-free feature home station, Gira Esprit, glass mint/ pure white glossy.

In addition, due to their integration in the Gira switch ranges, the Gira home stations are also available in a wide variety of designs.

Whether with the convenient hands-free speech function or a receiver – each Gira home station is available in more than 40 different design variants with an unusually large variety of shapes, colours and materials.

If a different design is desired later, Gira home stations can be upgraded by simply replacing the cover frames.

1.
Gira Standard 55
home station standard
with receiver,
pure white glossy.

2.
Gira E2 home station
standard with receiver,
colour aluminium.

3.
Gira E2 home station
standard with receiver,
anthracite.

4.
Gira Event home station
standard with receiver,
opaque amber/
pure white matt.

5.
Gira Event home station
standard with receiver,
opaque blue/
colour aluminium.

6.
Gira Event home station
standard with receiver,
colour aluminium/
anthracite.

1.

2.

3.

4.

5.

6.

The Gira door communication system.
The technology concept.

The technology concept on which the Gira door communication system is based is characterised by reliability, flexibility and a guaranteed future.

The system is based on an intelligent 2-wire bus with which modifications can still be carried out later without problems.
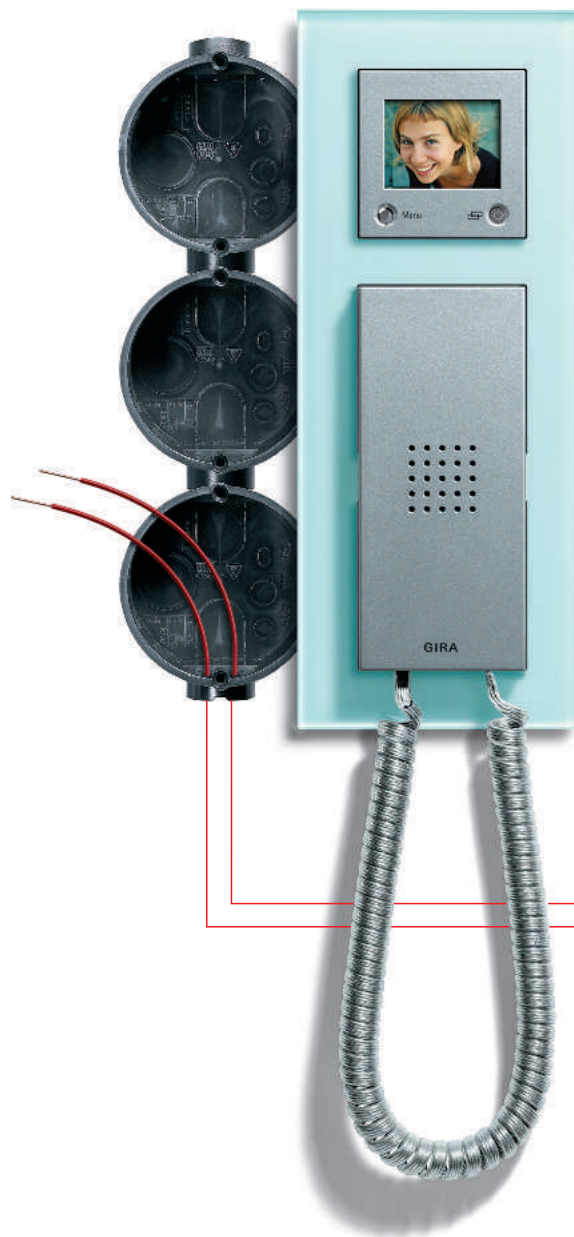
Advantages:

Installation as accustomed for the electrical installation in 58 mm flush-mounted boxes

The home station and door station are also available as ready-to-connect surface-mounted variants

Fast, simple installation of the surface-mounted versions

Signal transmission for audio and video via the 2-wire bus

Non-interchangeable installation

Easy retrofitting of an existing doorbell system

Simple replacement of an existing intercom system

Low cabling effort and expense for new installation, as only two wires are required

High-tech in a compact design.

The developments in technology have lead to a miniaturisation of the devices and products in many sectors, e.g. mobile phones, cameras and electronic blocks.

The Gira door communication system uses these developments for the area of door intercom systems and offers state-of-the-art technology that is so small, it fits in a 58 mm flush-mounted box and in extremely flat surface-mounted housings.

That means: The Gira home and door stations with the hands-free speech feature can both be installed in common 58 mm flush-mounted boxes in the wall and mounted by means of a pre-assembled unit on the wall.

Audio and video via just two wires.

Only two lines are required to supply the components of the Gira door communication system with voltage and to transfer all the 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 lines, the existing lines of the current system are simply used.

In new installations the 2-wire bus technology reduces the usual cabling required for a door intercom and allows rapid non-interchangeable installation.
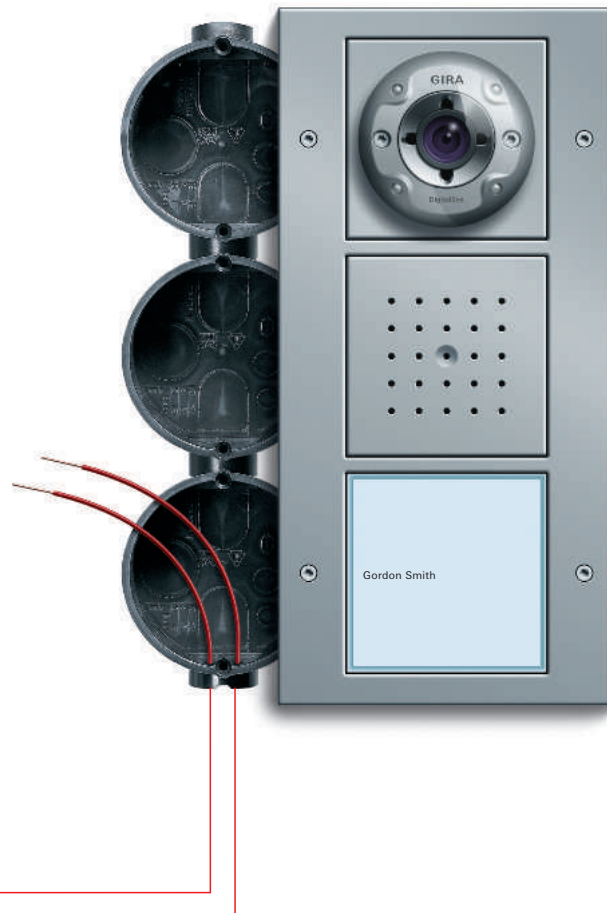
The Gira door communication system.
The Gira flush-mounted home stations.

All versions of the Gira home stations for flush-mounted installation have a modular design: Their individual functions are installed in a cover frame of the Gira Standard 55, E2, Event or Esprit switch ranges in 58 mm flush-mounted boxes in the wall. With the aid of an intermediate frame, installation is also possible in a cover frame from the Gira Stainless-Steel range.

When expanded with additional functions, e.g. a colour TFT display, a larger multi-gang cover frame and additional 58 mm flush-mounted boxes are required.

The flush-mounted inserts and the door-communication bus coupler of these home stations are connected with flat ribbon cable. Only one door-communication bus coupler is required per home station – even with an expansion. A floor-call button can be connected to it if necessary via screw terminals.

Advantages:

simple expandability due to modular design

uniform appearance with electrical installation due to integration in the Gira switch ranges and in the module function profile

large variety of designs

cover frames made of shatter-proof thermoplastic with high resistance to ultraviolet light and a scratch-resistant, care-free surface

Operating buttons available in transparent mint or transparent white
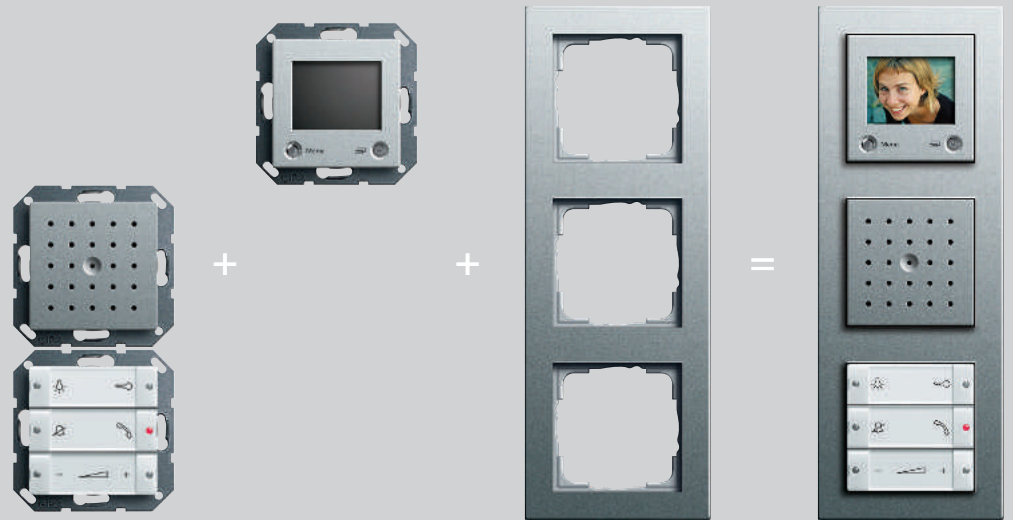

Base function
e.g. hands-free feature
home station,
aluminium/transparent
colour white,
Order No. 1280 126.

Expansion function
e.g. colour TFT display,
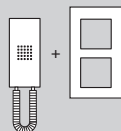colour aluminium,
Order No. 1286 26.

3-gang cover frame,
e.g. Gira E2,
colour aluminium,
Order No. 0213 25.

Gira hands-free feature
home station with
colour TFT display,
inserts: aluminium/
transparent white,
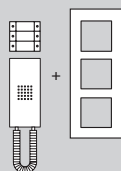frame: Gira E2,
colour aluminium.

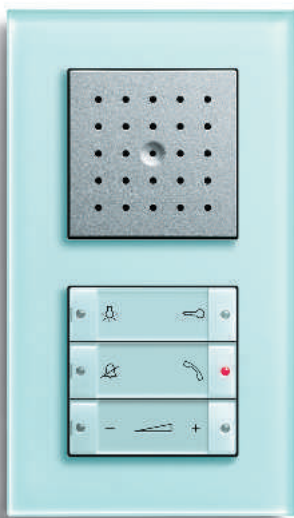# The Gira flush-mounted home stations.
The base units.
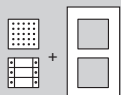
Hands-free feature
home station and
2-gang cover frame,
Gira Esprit, glass mint.

Home station standard
with receiver and
2-gang cover frame,
Gira Esprit, glass mint.

Home station comfort
with receiver and
3-gang cover frame,
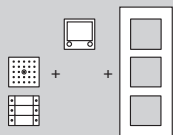Gira Esprit, glass mint.

The base.

The Gira hands-free feature home
station is equipped with a loud-
speaker with a microphone and
a 3-gang operating button for the
functions call acceptance and
enforcing of voice traffic in case
of loud background noises, door
opening, switching light, activ-
ation and deactivation of call tone,
as well as regulation of call tone
and speech volume.

The Gira home station standard
with receiver is equipped with
a 1-gang operating button inte-
grated in the receiver mount for
switching the light, opening the
door and regulating the call tone
volume.

Next to the receiver, the
Gira home station comfort offers
a 3-gang operating button for the
functions opening door, switching
light, activation and deactivation
of call tone and regulation of call
tone and speech volume.

Note: For the switching light
function the switching actuator
of the door communication
system is also required.

The Gira flush-mounted home stations.
The expanded devices.

Hands-free feature
home station plus
colour TFT display and
3-gang cover frame,
Gira Esprit, glass mint.
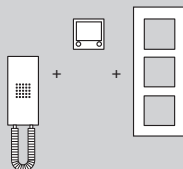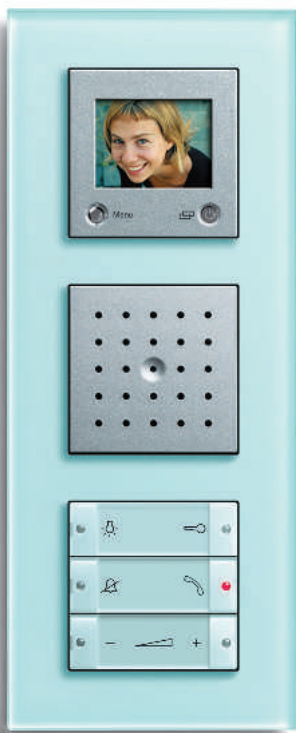
Standard home station
with receiver plus colour
TFT display and 3-gang
cover frame, Gira Esprit,
glass mint.

The expansion.

In conjunction with a larger
cover frame and an additional
58 mm flush-mounted box, any
of the three Gira home stations
for flush-mounted installation
can, for example, be expanded
with the video function.

For this purpose, the 1.8" colour
TFT display is used. As the video
signal transfer also takes place
via the 2-wire bus, this expansion
is also possible at a later time.

Note: The use of a video control
device is required for upgrading
the video function.

The Gira flush-mounted home stations.
The base functions.
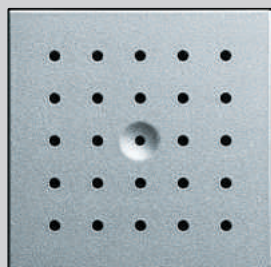
The Gira home stations for flush-mounted installation enable a free choice between modern hands-free feature, comparable with today's mobile phones, and the classic variant with a receiver.

Here the hands-free speech function with its convenient operation is becoming increasingly popular: With a technical new development the conversation can take place without a button having to be pressed and held.

Whether with the hands-free feature or a receiver – the Gira home stations convince with optimised audio technology and can be expanded with additional functions.
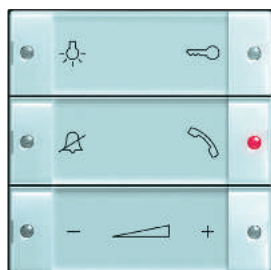
The hands-free feature.

The practical hands-free feature of the Gira home station offers excellent speech quality comparable to that familiar from mobile phones and modern hands-free units in cars.

As a result, the loudspeaker with an integrated microphone achieves an outstanding level of speech comprehension for voice-controlled talk-back with echo compensation and suppression of background noises.

If the ambient noises at the door station are too loud, the user can enforce his/her contribution to the conversation by means of an enforcement function. This can be activated with the operating button. In addition, the operating button is also used for call acceptance, volume control of the call tone and voice reproduction, for opening the door, activating and deactivating the call tone and, in conjunction with the switching actuator, for switching the light.

The operating button is available in transparent mint or transparent white.

The receiver.

The receiver compresses demanding technology into a small space and achieves the compact design of a mobile phone with simultaneous excellent speech transmission quality.

The receiver is combined with a magnetic receiver mount, which is equipped with an integrated cradle for accepting or ending calls.

The Gira flush-mounted home stations.
The expansion functions.

Separate flat

The TFT colour display.

The 1.8" colour TFT display enables one to see from the inside who is outside in front of the door. It is activated automatically as soon as someone rings, but can be activated manually at any time.

The display is equipped with LED background illumination and a resolution of 557 x 234 pixels – comparable to the high-tech displays of the latest digital cameras and camcorders. The TFT technology ensures that colour distortion does not arise – even with a slanted angle of view of the display.

The activation button can furthermore be used to switch over from one connected camera to a maximum of three further ones. This means that e.g. the currently switched-on camera is shown in the display.

The display is adjusted by means of a cursor key and menu control. This means that e.g. the brightness, contrast and colour intensity can be set by text presentation, as with modern camcorders of television sets.

The call button for in-house calling or switching functions.

The call button be used to call from one home station to another one in the house, e.g. from a home station in the attic to the hobby cellar.

The call button can, for example, also switch lights in combination with a switching actuator.

The surface of the call and operating button is finished by means of the in-mould process, resulting in a high degree of robustness, high resistance to ultraviolet light and excellent resistance to scratching and shocks.

The call button is available in transparent mint or transparent white.

The inscription service.

The Gira inscription service provides professionally designed inscription of the call buttons.

It prints the inscription labels according to your personal specifications. Quick, simple processing is possible: A postcard for this purpose is included with the call buttons. This is filled out and returned to the Gira inscription service. The personal inscription label will be sent back immediately.

In addition, the inscription can also be produced with the optionally available inscription software and the accompanying, pre-stamped inscription sheets.

The surface-mounted gong.

Ideally suited for notification in out-of-the-way rooms: The Gira surface-mounted gong signals both acoustically and via LED when someone rings at the door. Different call tones signal whether it is a door call, an internal call or a floor call.
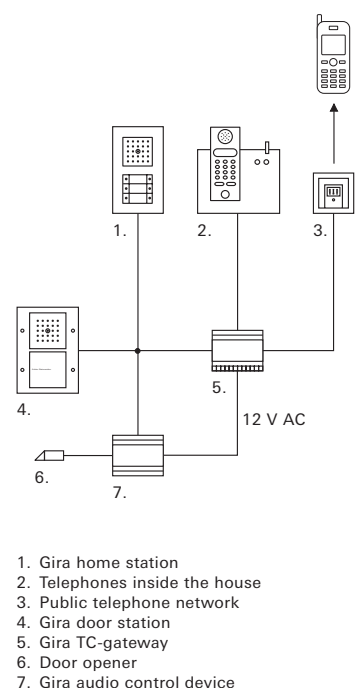
Via the operating buttons, the ringing tone melody at the Gira surface-mounted gong can be selected from up to five different ringing tone melodies, the ringing tone can be switched on or off and the volume of the ringing tone can be regulated. The operating buttons feature integrated LEDs for status indication.

The Gira surface-mounted gong is completely pre-assembled and can be installed quickly and cleanly via pull-off screw terminals.
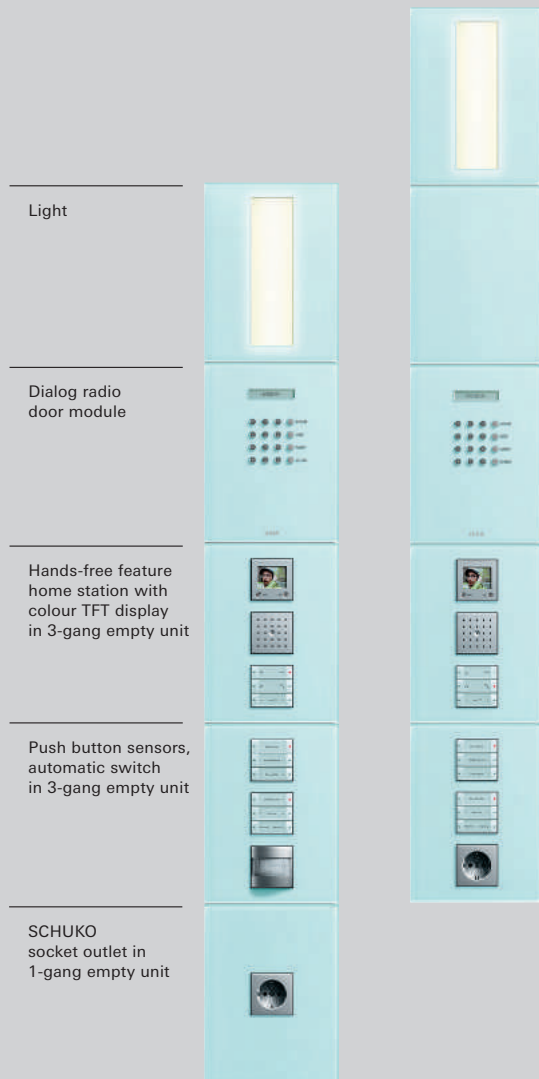
The TC-gateway.

With the Gira TC-gateway the Gira door communication system can be integrated in the existing telephone system. It enables call acceptance and control of the door opening via a local, wired or mobile telephone. The door call can also be forwarded to programmed telephone numbers.

The Gira TC-gateway distinguishes between an outside call and a door call and makes this clear with the calling tone in exchange mode. In addition, it supports the call waiting function during an existing outside call when someone rings at the door.

12 V AC

1. Gira home station
2. Telephones inside the house
3. Public telephone network
4. Gira door station
5. Gira TC-gateway
6. Door opener
7. Gira audio control device

The Gira flush-mounted home stations.
Integration in the modular function profile.

1

2

Light

Dialog radio
door module

Hands-free feature
home station with
colour TFT display
in 3-gang empty unit

Push button sensors,
automatic switch
in 3-gang empty unit

SCHUKO
socket outlet in
1-gang empty unit

Especially at central locations
and next to front doors, there is
a demand for a wide range of
functions. Up until now these
have been installed distributed
non-uniformly on the wall (Fig. 1).

Here the module function profile
from Gira now offers you a fasci-
nating, complete solution: The
flush-mounted Gira home stations
can be integrated in it and com-
bined with a broad range of other
functions to form an attractive
unit on the wall, for example,
with a special Gira light, the radio
controller from the Gira radio bus
system and the Dialog glass radio
door module from the Gira radio
alarm system (Fig. 2).

As the basis an installation profile
is screwed onto the wall and the
Gira home station is installed in an
empty unit of the modular function
profile, which is then secured in
the installation profile. Additional
functions from the Gira System 55
can be integrated by this method.
The distances between the modu-
les are bridged with blind cover
plates.

With the aid of a special mounting
frame, the entire devices and
empty units can also be installed
individually on the wall.

The modular function profile
can also easily be reused after
remodelling or relocating.

INTERN
CODE
PASSIV
EXTERN

GIRA

Menu

Central off
Outside light
Downlights

Wall lamp
Blind
Normal   Reception
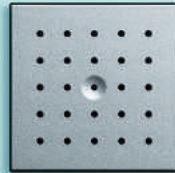
Gira hands-free feature home station with additional colour TFT display.
Integrated in the Gira modular function profile.

The Gira door communication system.
Good reasons for home construction.

Surface-mounted hands-free feature home station, Gira Standard 55, pure white glossy

Rocker switch, Gira Standard 55, pure white glossy.

The Gira door communication system offers economical and easily upgradeable solutions for the modernisation and renovation of existing buildings, e.g. the Gira surface-mounted hands-free feature home station.

It is especially affordable, easy to install and does not have a receiver which could be damaged by being pulled out or a retainer which could be damaged. This ensures a long service life and reduces the requirement for spare parts to almost nil. In addition, it can be perfectly matched to the rest of the electrical installation via integration into the Gira switch range.

Gira is thus expanding the product range for upgrading modern living comfort and now offers complete technical building outfitting for home construction: from upgradeable door intercom systems to light, blind, heater, power supply and security equipment controllers which can be installed at a later time.

This enables a new quality of life in home construction for all age groups up to senior citizen communities.

Automatic control switches in the style of door communication equipment.

In addition to the Gira home stations, there are also automatic control switches in the style of the Gira switch ranges are also available. They switch the light on in stairwells, cellars, entrance areas etc. as soon as they detect movement and switch them off again when no one is around. This is convenient for tenants and reduces power consumption.

Gira automatic control switches can be installed in existing buildings without great expenditure: Existing light switches can simply be replaced by automatic control switches.

If automatic control switches are also to be mounted in addition to existing light switches, we recommend using battery-powered Gira radio automatic control switches. They do not require a power connection and can be adhered or screwed on anywhere.

Gira also offers economical and individualised solutions for outdoor door intercom systems, which can be upgraded quickly and easily in existing housing units.

More information is provided on the following pages.

Heating controls in the style of door communication equipment.

For convenient heating control in individual rooms, the Gira switch ranges offer room temperature controllers with an adjustment wheel or electronic time delay switch.

They are compatible with the connections of electronic heating regulators from other manufacturers and can replace them as part of a modernisation project. A previously existing standard device can be replaced by a higher-quality Gira controller with a clock, for example. Times at which the desired room temperature is to be reached can easily be set with it.

Ideal for subsequent installation are the radio room temperature sensor and the radio motor valve drive: All power connection for the radio room temperature sensor is needed. The radio motor valve drive is battery powered and is simply attached to the heating valve. It actuates this as soon as it receives a control command via radio from the radio room temperature sensor.

Blind controls in the style of door communication equipment.

A variety of control devices in the style of the Gira switch ranges are also available for controlling blinds and shutters; from a simple blind switch with a knob to control buttons to electronic blind control.

Blinds and shutters can be controlled individually or together in groups with electronic Gira blind controllers. This control can be manual or time- or sensor-based.

For subsequent upgrading of blind control, Gira even supplies the appropriate tube motors.

Radio wall transmitter in the style of door communication equipment.

Functions from the Gira radio bus system are especially well suited toward the modernisation of existing buildings: Battery-powered radio wall transmitters for the control of lights, blinds and other devices do not require a power connection and can be adhered to glass surfaces or screwed to the wall anywhere in the home .

A radio wall transmitter can be programmed as a panic switch, for example, and mounted next to the bed. At the push of a button, it switches on all lights in the home. This provides a sense security when you hear suspicious sounds at night.

If the Gira radio wall transmitter is programmed as the central off switch, it switches off all lights and dangerous devices in the home simultaneously at the push of a button. This provides a sense of security when you leave your home.

RCD protection socket outlet in the style of door communication equipment.

The residual current protection can be upgraded in older buildings with the Gira RCD protection socket outlet wherever an especially great risk is present: in the WC and children's rooms, in the kitchen and outside. The socket outlets previously installed are simply replaced by RCD protection socket outlets.

To make the power supply in living rooms and bedrooms even safer, socket outlets can be easily replaced with Gira SCHUKO socket outlets with child-safety feature or voltage overload protection.

These socket outlets are part of all Gira switch ranges.

The Gira door communication system.
Integration in front panels,
letterbox systems and existing systems.
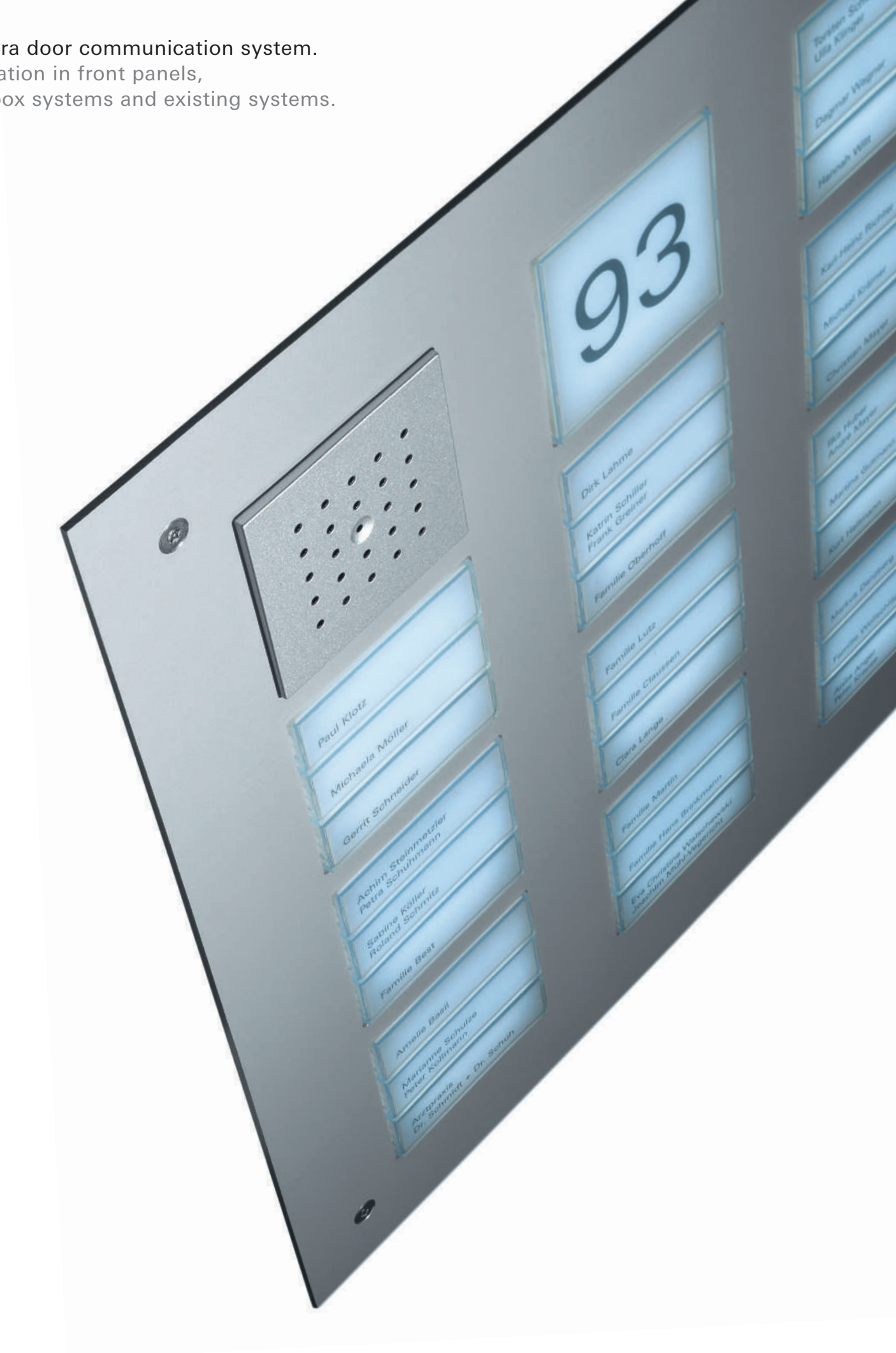
The Gira door communication system offers intelligent door station solutions for every application – whether for the one-family or 30 unit house.

The Gira flush-mounted door stations can be integrated in a broad range of letterbox systems or in individually produced front panels from various manufacturers. These are available in a wide choice of design and material variants.

In addition, the Gira door communication system can also be used in letterbox systems, speech compartments, door-side installations and front panels with the aid of the Gira built-in loudspeaker.

As a result, the Gira door communication system offers door station solutions exactly tailored to the respective installation area and customer requirements. The ideal solution for large buildings with a large number of residential units.

Front panel solution in cooperation with the SKS-Kinkel company.

Gira flush-mounted door station with colour camera and 4 2/3-gang call buttons integrated in an aluminium front panel.

Front building

Gira built-in loud speaker integrated into the anti-vandalism door station from the SKS-Kinkel company with stainlesssteel front panel.

Letterbox solution in cooperation with the Renz company.

Gira flush-mounted door station with colour camera and 2/3-gang call button integrated in a Renz letterbox system of model group 14, front variant aluminium.

Gira built-in loudspeaker integrated into a letterbox system from the Renz company, model group 14, front variant stainless steel.

Installation solution also suitable for letterbox systems of other manufacturers.

The Gira flush-mounted door stations.
Integration in front panels from the manufacturer SKS-Kinkel.

Flush-mounted
door station with ten
2/3-gang call buttons,
integrated in an
aluminium front panel.

In cooperation with the SKS-Kinkel company, the Gira telecommunication system offers even greater freedom for designing the Gira door stations and enables custom-tailored production for individual customer requirements for large residential units.

The Gira door stations can be integrated into front panels with flush-mounted boxes and surface-mounted housings.

The front panels, made of materials such as stainless steel, aluminium and high-gloss, gold-plated aluminium, 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.

A special installation profile is used for integration of the Gira door station functions into the front panels. The fastening system enables easy pre-installation in the workshop or at the construction site.

If desired, the SKS-Kinkel company will handle pre-assembly of the Gira door station components.

If only audio functions are used, door stations for up to 30 parties can be produced in this way. When using video functions, production of a unique door station for up to 18 parties is possible.

The Gira flush-mounted door stations.
Integration in letterbox systems, e.g. from Renz.

Flush-mounted door station with 2/3-gang call button and colour camera integrated in a Renz letterbox of model group 14, aluminium.

Through cooperation with the Renz company, for example, Gira flush-mounted door stations can be integrated as desired in a variety of letterbox systems for flush-mounted, surface-mounted or free-standing installation.

The housings are available for order from the Renz company with cut-outs, into which the individual functions of the Gira door station, such as call buttons, door speakers, info modules and colour cameras, can be inserted.

A special installation profile available in 1-gang to 4-gang versions is used for mounting these functions in the device platforms of other manufacturers. If no attachment screws are visible and bolts cannot be set, an adhesion-attachment set is available.

Mounting of the installation profile is easy: Insert the cover plates of the functions into the front panel, set the installation profile on the inside of the front panel and screw down and then insert the flush-mounted inserts of the functions onto the cover plates.

25
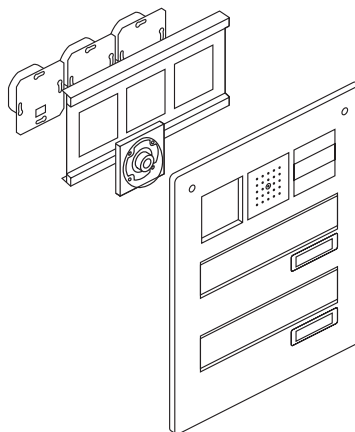
The Gira door communication system.
Integration in existing systems.

With the aid of a built-in loud-
speaker and an add-on module, the
Gira door communication system
can also be used in letterbox
systems, speech compartments,
door-side installations and front
panels of well-known manu-
facturers, such as Renz, JU-
Metallwaren, SKS-Kinkel and
Normbau, already installed in
the building.

In the process, the built-in loud-
speaker acts as an adapter between
the mechanical call buttons of the
existing system and the Gira 2-wire
bus and enables all Gira home
stations to be controlled.

This opens up new applications
for the Gira door communication
system and expands the design
possibilities – whether for retro-
fitting, conversion or new instal-
lations.
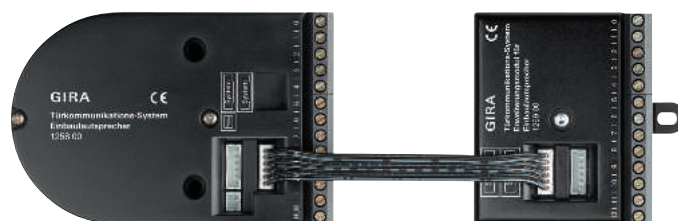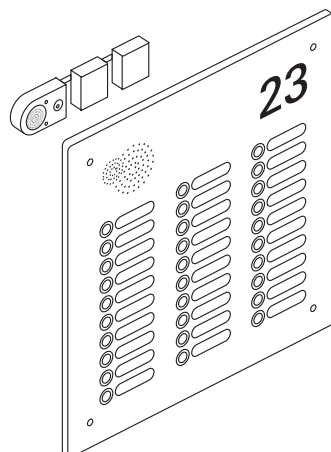
The built-in loudspeaker.

The compact, weatherproof built-
in loudspeaker with an adjustable
speech volume is screwed in be-
hind the speaker and microphone
covers of the existing systems and
can be connected to up to eight
mechanical call buttons via screw
terminals. When these call buttons
are pressed, the built-in speaker
emits an acknowledgement signal
for confirmation. Polling of the
inputs occurs via alternating
current. This allows trouble-free
long-term operation.

The built-in loudspeaker can be
connected to the colour camera of
the Gira flush-mounted door station
via a connection cable. This is
integrated into a cut-out in the door-
side installation or in the front panel
of the existing system, for example.

For integration in the system and
for signal transmission and supply,
the built-in loudspeaker is connect-
ed to the Gira 2-wire bus.

**The 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 connections for an
additional 12 call buttons and is
installed in the speech compart-
ment of the system in addition to
the built-in speaker. The installation
of the add-on module is simple
even with narrow speech compart-
ments due to the flat, minimised
design.

The add-on module can only
be used in conjunction with the
built-in speaker and is connected
to it via a 6-pole connection cable.
Up to two add-on modules can be
connected to the built-in speaker
in this way.

Gira built-in loudspeaker integrated into a letterbox system from the Renz company, model group 14, front variant stainless steel.

Gira built-in loud speaker integrated into the anti-vandalism door station from the SKS-Kinkel company with stainless-steel front panel.

The Gira built-in loudspeaker can be integrated into the anti-vandalism door stations from the SKS-Kinkel company. In this way, vandal-proof door stations can be installed surface-mounted, flush-mounted or as door-side installations outside, which can be easily integrated into the Gira door communication system.

They are ideal for the owners of public buildings and for housing associations and owners of real estate, who have greater requirements for the protection of door stations from damage.

In addition, the Gira built-in loudspeaker also fits into existing door-side installations, front plates and bell panels from a hosts of companies, e.g. from SKS-Kinkel, and in letterbox systems with a speech compartment, e.g. from the Renz company.

Thus the Gira door communication system can be upgraded outside economically without great expenditure.

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The Gira door communication system.
The Gira door stations.

Gira door stations are installed next to the front door.

They have a modular, flush-mounted design. Their functions are installed in combination with a cover frame from the Gira TX_44 switch range in 58 mm flush-mounted boxes. Here the basis is formed by a door speaker and a call button with door-communication bus couplers to which the 2-wire bus is connected. Gira flush-mounted door stations can be expanded with additional functions, e.g. with a colour camera. All inserts and the door-communication bus coupler are interconnected via flat ribbon cables included with the devices.

Gira surface-mounted door stations are pre-assembled and ready to connect for quick installation on the wall.

Advantages:

Shatter-proof, scratch-resistant, UV-stable and weather-resistant

Theft protection by fixing the cover frame with Torx screws; optional increased theft protection by fixing the frame with Tri-Wing screws

Available in the colours: Pure white (similar to RAL 9010), anthracite (lacquered), aluminium (lacquered)

water-resistant in accordance with IP 44

Flush-mounted variants: modular design, can be expanded with additional functions at any time

Surface-mounted variants: pre-assembled and ready-to-connect for quick installation
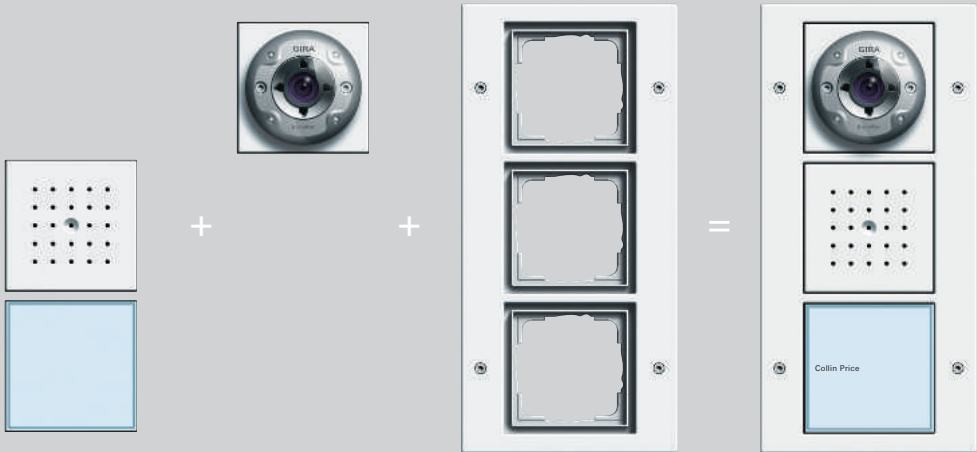
Base functions,
e.g. flush-mounted door station with 1-gang call button, pure white,
Order No. 1260 66.

Expansion function,
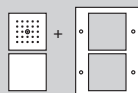e.g. colour camera,
pure white,
Order No. 1265 66.

3-gang cover frame,
e.g. Gira TX_44,
pure white,
Order No. 0213 66.

Flush-mounted door station with 1-gang call button and colour camera,
Gira TX_44,
pure white.

Complete unit,
e.g. surface-mounted door with station colour camera and 1-gang call button,
pure white,
Order No. 1269 66.

The Gira flush-mounted door stations.
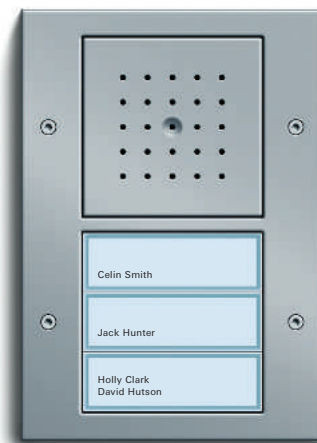## The base units.
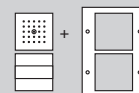
The base units.

As base unit for single-family houses, the Gira flush-mounted door station is equipped with a door speaker with a microphone and a 1-gang call button. This can be simultaneously controlled by up to three Gira home stations.

As a base unit for single to three-family houses, the Gira flush-mounted door station is equipped with both a door speaker and a 2/3-gang call button for separate ringing at three different home stations. Each call button can be assigned a total of up to three simultaneously operated Gira home stations.

If a call button of the door station is free, for example in a two-family home, this call button, in combination with the switching actuator, can assume a switching function, e.g. switching a light. However, it can also be covered with an optionally available call button cover.

Flush-mounted door station
with 1-gang call button
2-gang cover frame,
Gira TX_44,
colour aluminium.

Flush-mounted door station
with 2/3-gang call button
and 2-gang cover frame,
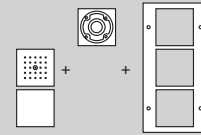Gira TX_44,
colour aluminium.

Micheal Brown

Celin Smith

Jack Hunter

Holly Clark
David Hutson

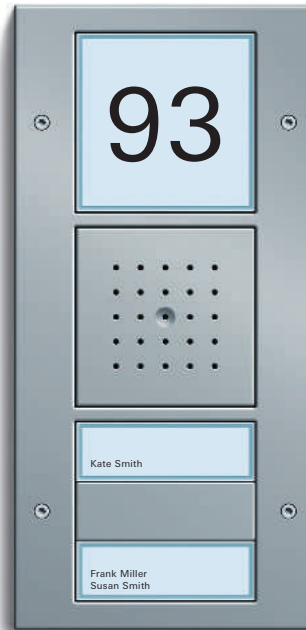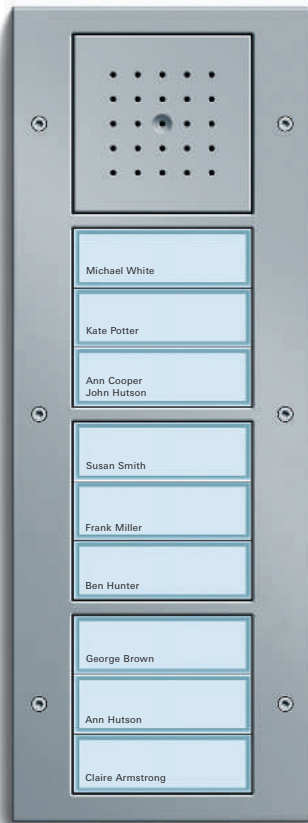# The Gira flush-mounted door stations.
The expanded devices.

The expansion.

In conjunction with additional flush-mounted boxes, the functionality of the Gira flush-mounted door station can be expanded with additional call buttons, info modules or a colour camera, even after installation. The use of a video control device is required for using the colour camera.

Control and signal transmission is carried out via the same two cables with which the audio function has already been connected.
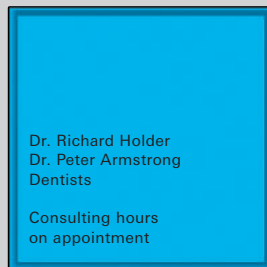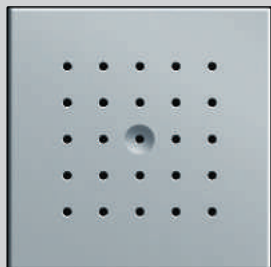
Note: If the colour camera is used, the video control device is required.

When upgrading the Gira door communication system, corresponding mounting plates are available to cover installation openings already present in the building.

Flush-mounted door station with 2/3-gang call button plus 2 2/3-gang call buttons and 4-gang cover frame, Gira TX_44, colour aluminium.

Flush-mounted door station with 2/3-gang call button plus info module and 3-gang cover frame, Gira TX_44, colour aluminium.

Flush-mounted door station with 1-gang call button plus colour camera and 3-gang cover frame, Gira TX_44, colour aluminium.

The Gira door stations.
The base functions.

Anthony Smith

The hands-free feature.

Dr. Richard Holder
Dr. Peter Armstrong
Dentists

Consulting hours
on appointment

All functions of the Gira door stations are shatter-proof, UV-stable, shock-resistant and scratch-resistant, as well as water-protected in accordance with IP 44.

The base functions include the door speaker and the call button. They can be combined with additional functions due to the modular design of the Gira flush-mounted door stations, e.g. with a colour camera for identifying persons or an info module.

As the Gira flush-mounted door stations are compatible with the Gira TX_44 switch range, they can also be combined with any desired TX_44 functions in one cover frame at any time. For example, with an automatic control switch, which automatically switches on the lighting at the front door when someone approaches the house.
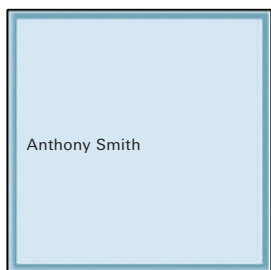
The hands-free feature.

The Gira door stations offer a top-quality hands-free feature which is comparable with the clear speech quality of modern mobile phones and hands-free units.

Thus the door speaker with an integrated microphone disposes of an optimised speech recording and rendition thanks to language controlled direction changeover thanks to echo compensation and background noise suppression.

The call button.

The bell is rung at the Gira door stations by means of a call button.

The call button is evenly illuminated from behind in white or blue with maintenance-free, energy-saving LED technology. As a result, the inscription can be clearly read even at night. When the inscription has to be changed, the name plate can easily be replaced without having to remove the cover frame. The inscription can be professionally produced via the Gira inscription service.

The call button is available in the versions 1-gang and 2/3-gang. If only two buttons are required, the third can be covered with an optionally available call button cover.

The inscription can be produced with the optionally available inscription software and the related, pre-stamped inscription sheets.

The colour camera with day/night switching.

The camera is equipped with a wide-angle lens with an aperture angle of 150°. In combination with the 1/3" CCD sensor of the camera module, an effective camera angle of detection of 100° results.

The lens can be swivelled manually in any direction by 20° during the installation in order to align the colour camera directly and to specify the angular coverage. Once the camera has been positioned optimally, motorized operation is not necessary thanks to the wide-angle lens.

The camera dome can be replaced independently of the electronics in case of damage.

The colour camera has a unique day/night switchover feature: If the ambient brightness drops below a value of 1 lux, it automatically switches over from the day to the night mode.

During daylight the colour camera ensures optimal colour rendering through its automatic background lighting, gain control and white balance. At night it provides black-and-white images which, due to the high light sensitivity in this mode, also demonstrate excellent quality even under poor lighting conditions. In order for the CCD sensor to detect all the details in the dark, the colour camera is equipped with LEDs for uniform illumination of the camera coverage.
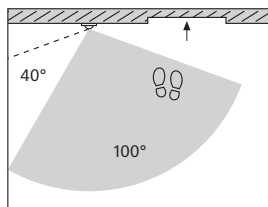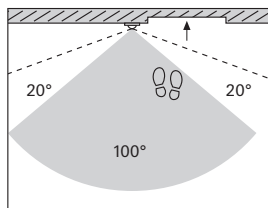
At below-freezing temperatures an integrated, temperature dependent camera heater ensures proper operation.
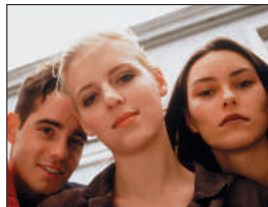
Normal visibility is like this.

A wide-angle lens simply shows even more details.

The range of coverage of the camera can be swivelled by 20° in all directions depending on the conditions during installation.

The info module.

The info module can, for example, be used to display the house number or the business and consulting hours. The background lighting via maintenance-free and power-saving LEDs, either in white or blue, ensures that this information can also be recognized well in the dark.

The Gira surface-mounted door stations.
The variants.

In addition to the Gira flush-mounted door stations, the Gira door communication system also offers door stations for surface-mounted installation: These are completely pre-assembled and have an especially low height of just 19 mm.

Gira surface-mounted door stations are available in the colours: Pure white (similar to RAL 9010), anthracite (lacquered), aluminium (lacquered).

Note: The surface-mounted door stations are exclusively available with a call-button background lighting in white.

The variants.

Gira surface-mounted door station with 1-gang call button

Gira surface-mounted door station with 2/3-gang call button

Gira surface-mounted door station with two 2/3-gang call buttons

Gira surface-mounted door station with 1-gang call button and colour camera

Gira surface-mounted door station with 2/3-gang call button and colour camera

Surface-mounted door station with 1-gang call button, anthracite.

Surface-mounted door station with two 2/3-gang call buttons, anthracite.

Surface-mounted door station with 1-gang call button and colour camera, anthracite.
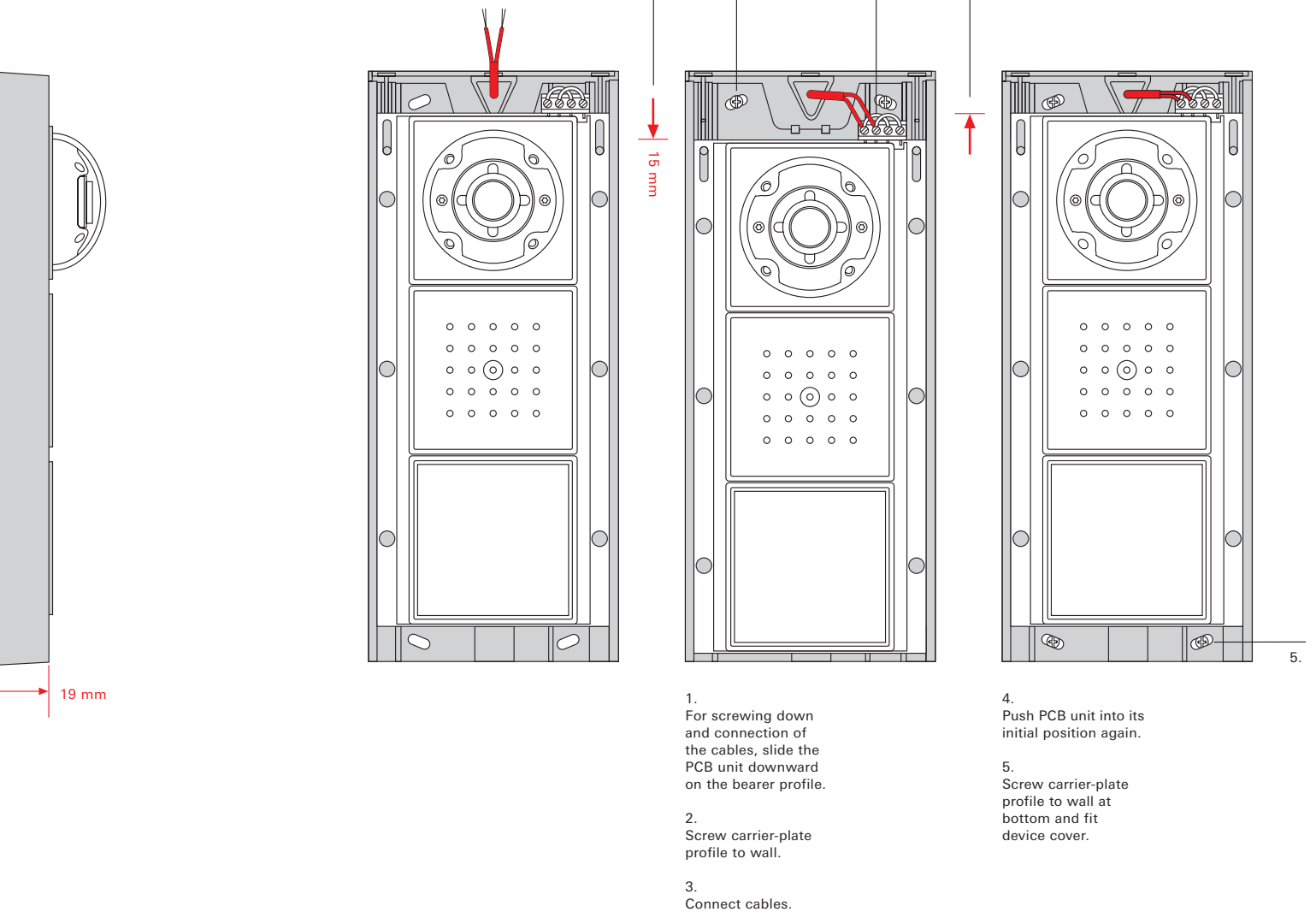
The Gira surface-mounted door stations.
Mounted on the wall in one unit.

The basis of a Gira door station surface-mounted is a torsionally rigid anodised 2-gang or 3-gang aluminium bearer profile which is screwed to the wall

A PCB unit specially protected against the influence of the weather is positioned on the carrier-plate profile. It contains the functions door speaker, call button and, depending on the door station variant, a colour camera. The bearer profile is equipped with a guide rail on both sides. To simplify installation, it is equipped wit a special cable conduit for routing the cables to the rear.

The PCB unit can be slid downward approx. 15 mm for screwing on and connection to the 2-wire bus. This increases the connection space and simplifies mounting and installation. However, when doing so the PCB cannot be removed from the carrier-plate profile.

When the bearer profile has been mounted on the wall and the device has been wired, the housing cover plate is simply placed on and fastened using the Torx screws.

19 mm

15 mm

1.
For screwing down and connection of the cables, slide the PCB unit downward on the bearer profile.

2.
Screw carrier-plate profile to wall.

3.
Connect cables.

4.
Push PCB unit into its initial position again.

5.
Screw carrier-plate profile to wall at bottom and fit device cover.

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The Gira flush-mounted door stations.
Integration in the Gira energy profile.

The Gira flush-mounted door stations can also be integrated in the Gira energy profiles.

The energy profiles have corresponding empty units which can be equipped with call buttons, a door speaker or an info module from the Gira flush-mounted door stations. In addition, it is possible to integrate the colour camera in the energy profiles without a light element.

The door station profiles assembled in this way are particularly well-suited for use at driveways or entrance gates.

Other functions from the switch range Gira TX_44 can also be used, e.g. an automatic control switch which automatically activates and de-activates the light element of the energy profile when a movement is detected.

The variants.

The requirements and applications differ. Therefore, three variations are available:

1,400 mm high energy profiles with empty units for the integration of four functions

1,600 mm high energy profiles with empty units for the integration of six functions

1,600 mm high energy profiles with light element and empty units for the integration of three functions with the exception of the colour camera.

Base dimensions (W x H x D):
229 x 10 x 155 mm,
dimension of profiles (W x H x D):
142 x 1600 x 75 mm
142 x 1400 x 75 mm
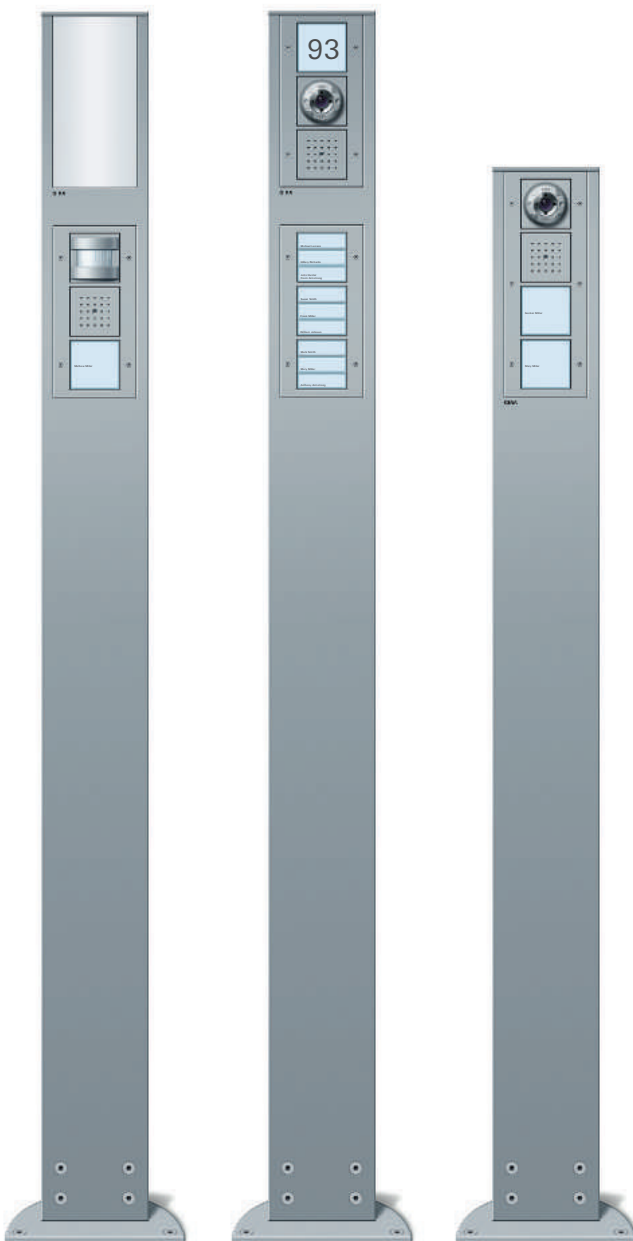
The material.

The housing and the cover of the energy profiles consist of robust, weathering resistant aluminium with a carefree surface. It is scratch-resistant and dirt-resistant. The profile base is manufactured of galvanized steel in order to fulfil the higher requirements.

The TX_44 device unit is also distinguished by its robustness: Shatter-proof, UV-stable and shock-resistant thermoplastic resists the influences of weathering, and therefore ensures a long service life.

All variants are water-protected according to IP 44 and available in the colours pure white (varnished, similar to RAL 9010), anthracite (varnished) and aluminium (varnished).

The design awards.

The Gira energy profile, height 1,600 mm, with a light element, equipped with an automatic control switch, door speaker and 1-gang call button was awarded the 2003 iF Product Design Award and the Red Dot: best of the best 2003.

GIRA

Doc Miller
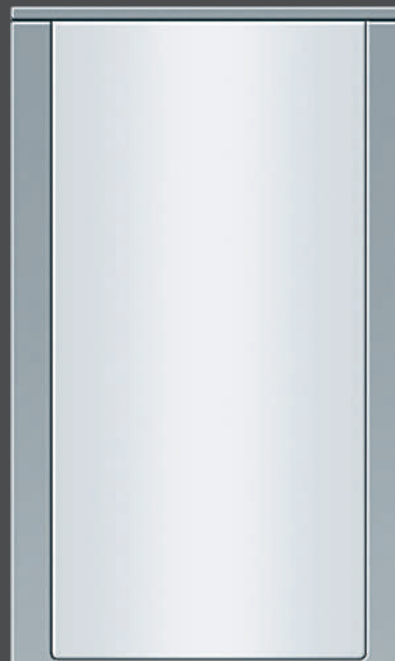
Gira energy profile 1,600 mm with light element,
outfitted with an automatic control switch, door speaker and 1-gang call button.

The Gira flush-mounted door stations.
Integration in the Gira Panel.

The integration of the Gira flush-mounted door stations in the Gira Panel allows uniform installation of door communication and illumination next to the front door.

The Gira Panel can be outfitted individually in accordance with the requirements: In addition to a light element, the Gira Panel is equipped with an empty unit for three functions, e.g. door speaker, call buttons and info module or other functions from the Gira TX_44 switch range with the exception of the colour camera.

It is, for example, also possible to insert an automatic control switch into the empty unit. Which automatically activates the light element of the panel if anybody approaches the house door during darkness.

The Gira Panel is easily installed on two mounting points on the wall and is water-protected in accordance with IP 44.

Dimensions (W x H x D):
112 x 990 x 70 mm

Light element for illuminating the entrance area.

3-gang empty unit for the integration of a Gira flush-mounted door station or other functions from the Gira TX_44 switch range.

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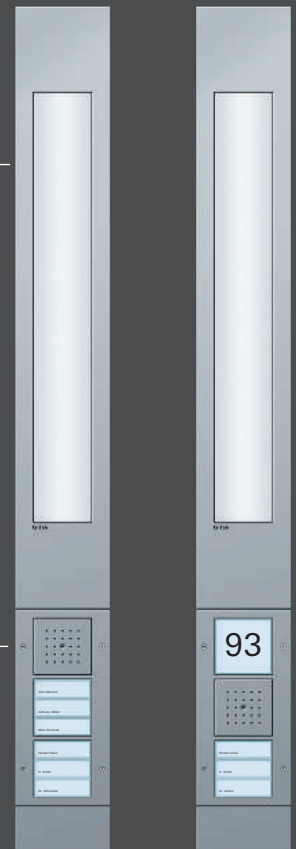
The material.

The Gira Panel consists of shatter-proof and shock-resistant thermo-plastic with a high resistance to ultraviolet light and weathering, as well as an easy-care surface.

It is available in the colours pure white (varnished, similar to RAL 9010), anthracite (varnished) and aluminium (varnished).

GIRA

Gordon Miller

Gira Panel with light, equipped with automatic control wwitch and flush-mounted door station with 1-gang call button. Aluminium colour.

The Gira door communication system.
The control devices.

The 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 common 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 one of the function types Switching, Timer/sec., Timer/min., Pulse, Controlling an automatic staircase unit and the function Door opener via push buttons on the housing. The active operating mode is indicated by means of an illuminated LED.

In addition the switching actuator has a binary input with which all the function types can be executed via a mechanical push button.

Dimensions: DRA with 2 modules.

The audio control device.

The audio control device is used to supply the 2-wire bus if all the installed home and door stations only have audio components. Up to 32 devices, i.e. home stations, door station and switching actuator, can be connected to the audio control device.

A button on the device is used to switch the entire system into the programming mode, e.g. in order to assign the call buttons of the door station to the home stations.

In addition, the audio control device disposes of a button for the door opener programming: Either a common door opener or a door opener with other connection values can also be connected via the integrated relay contact.

The activation time of the door opening is determined with an adjuster. The status is displayed with an LED.

The control unit is equipped with an electronic, self-resetting over-load protection which protects the electronics against short-circuits and overloading on the bus line. It is activated when, for example, the bus lines are short-circuited due to an installation error or too many bus users have been connected.

Dimensions: DRA with 6 modules.

The video control device.

If video components (colour camera or colour TFT display) are also used in addition to audio components, the higher-powered video control device is required in place of an audio control device. It is designed for a considerably higher contin-uous load of 700 mA. Up to two door stations with a colour camera and 18 home stations with a colour TFT display can be connected to the video control device. The connection and operating options are virtually the same as those of the audio control device.

If the video cabling is carried out as a branch line installation, if several cameras are operated in the system or if the cable must be properly terminated, a video distributor is required.

Dimensions: DRA with 8 modules.

24 V DC power supply for door communication.

When using several cameras and for the supply of the call button lighting in large buildings, a 24 V DC power supply is required. In addition, the power supply is also required when the video con-trol device is operated in combina-tion with the TC-gateway.

Easy and fast.
The one-man commissioning concept.

The configuration of the Gira door communication system is particularly simply and is conceived in that way only one installer is necessary.

This saves manpower and saves costs. In addition it pays off when the requirements of the user change and the system must be adapted or when maintenance is required.

Commissioning is carried out by sequentially working through simple steps (see below).

Simultaneously operated home stations are also assigned to the call buttons on the door stations and the floor-call button during a sequential commissioning.

Flat 3

Flat 2

3.

Flat 1

2.

1.+ 4.
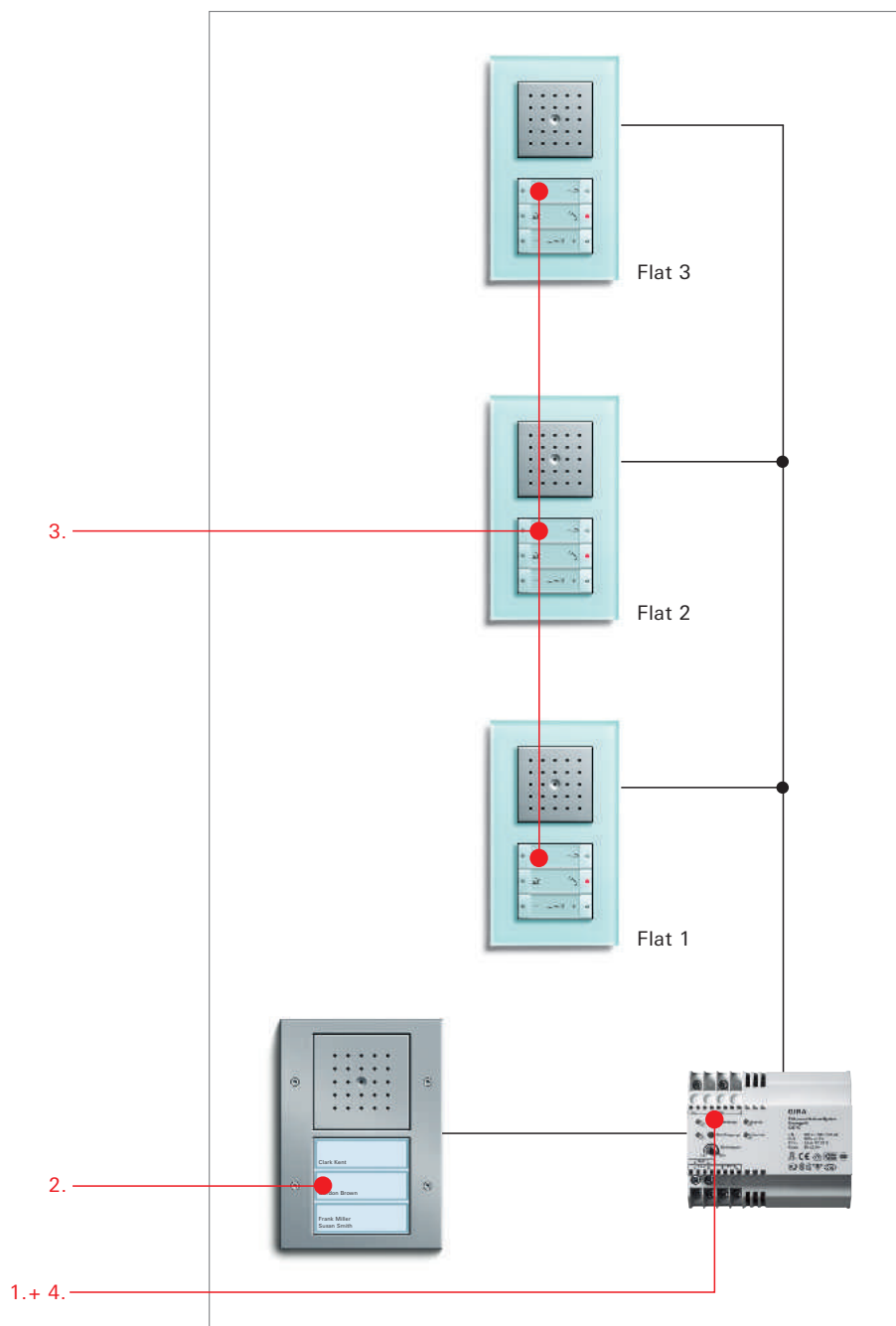
Step 1:
Press and hold the "System Programming" button on the control device for 3 seconds.

Step 2:
Press the call buttons on the door station for 3 seconds each in the sequence in which the home stations are then to be assigned.

Step 3:
Go to the individual home stations in the specified order and press the "Light" button there for 3 seconds.

Step 4:
Once all home stations are assigned, end the programming mode by briefly pressing the "System Programming" button on the control device again.

The Gira door communication system.
Equipment examples.

6-family house with audio function, Gira built-in loudspeaker, surface-mounted Hands-free feature home stations, Gira Standard 55
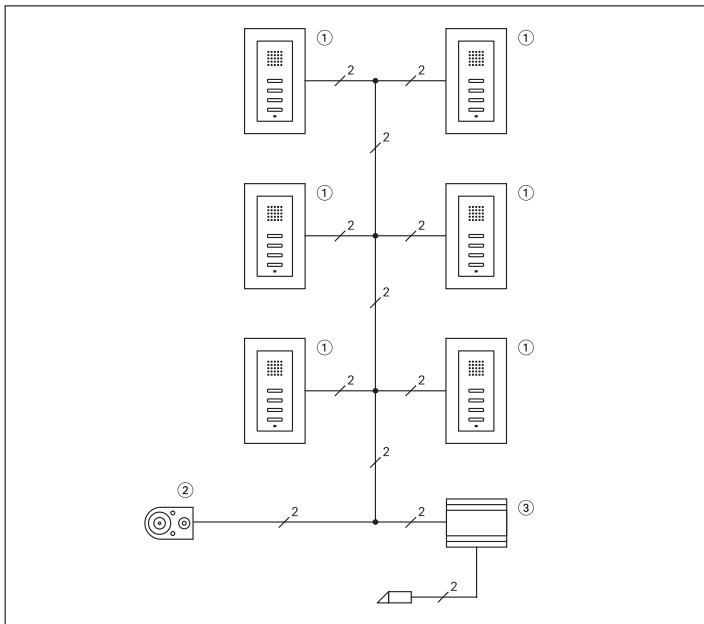
Quantity	Order Number	Component
6	1250 03	Surface-mounted Hands-free feature home stations[1], pure white glossy
6	1002 03	Gira Standard 55 2-gang cover frames without crossbar, glossy pure white
1	1258 00	Built-in loudspeaker[2]
1	1287 00	Audio control device[3]
1		Common door opener, 12 V AC, max. 1.6 A

1-family house with audio function, surface-mounted door station, surface-mounted Hands-free feature home station, Gira Standard 55
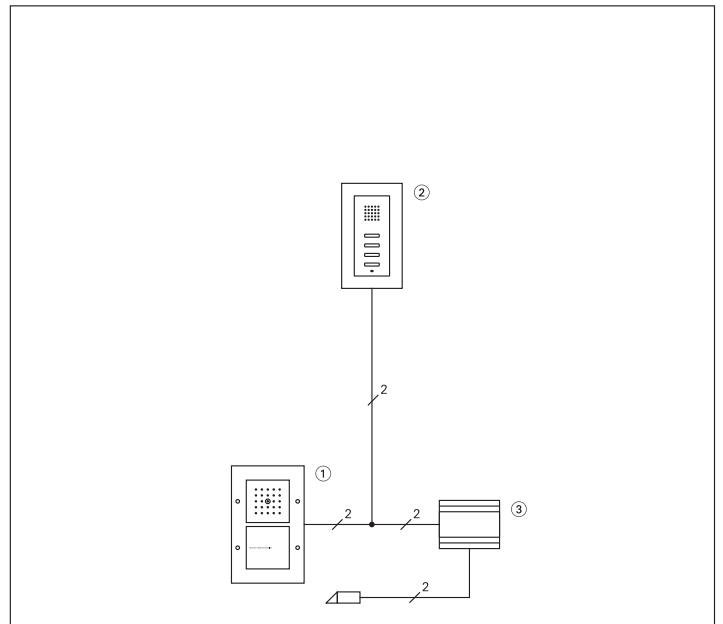
Quantity	Order Number	Component
1	1266 66	Surface-mounted door station with door speaker[1] and 1-gang call button, pure white
1	1250 03	Surface-mounted Hands-free feature home station[2], pure white glossy
1	1002 03	Gira Standard 55 2-gang cover frames without crossbar, glossy pure white
1	1287 00	Audio control device[3]
1		Common door opener, 12 V AC, max. 1.6 A
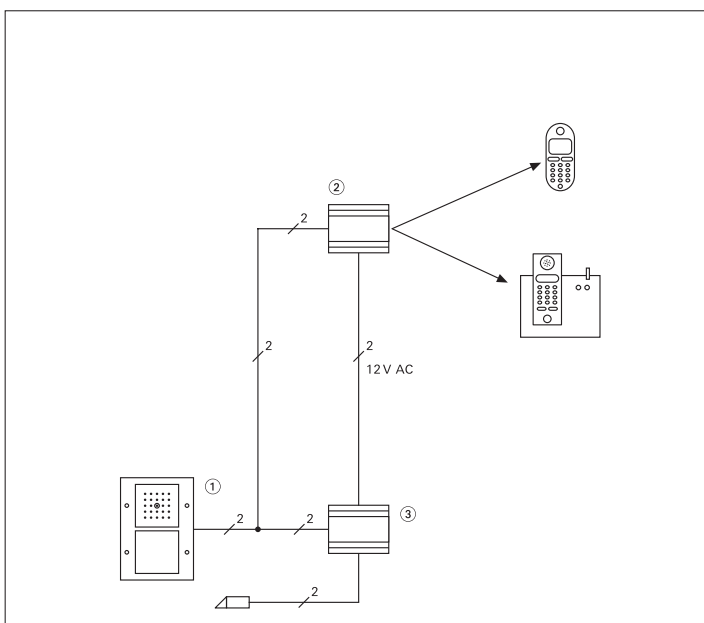
1-family house with audio function and telecommunication gateway, surface-mounted door station

Quantity	Order Number	Component
1	1266 65	Surface-mounted door station with door speaker[1] and 1-gang call button, aluminium colour
1	1290 00	TC-gateway[2]
1	1287 00	Audio control device[3]
1		Common door opener, 12 V AC, max. 1.6 A
1		Wired or mobile telephone

The Gira door communication system.
Audio installation scenarios.

Cable length from audio control device to most distant device:
max. 170 m with cable diameter of 0.6 mm, max. 300 m
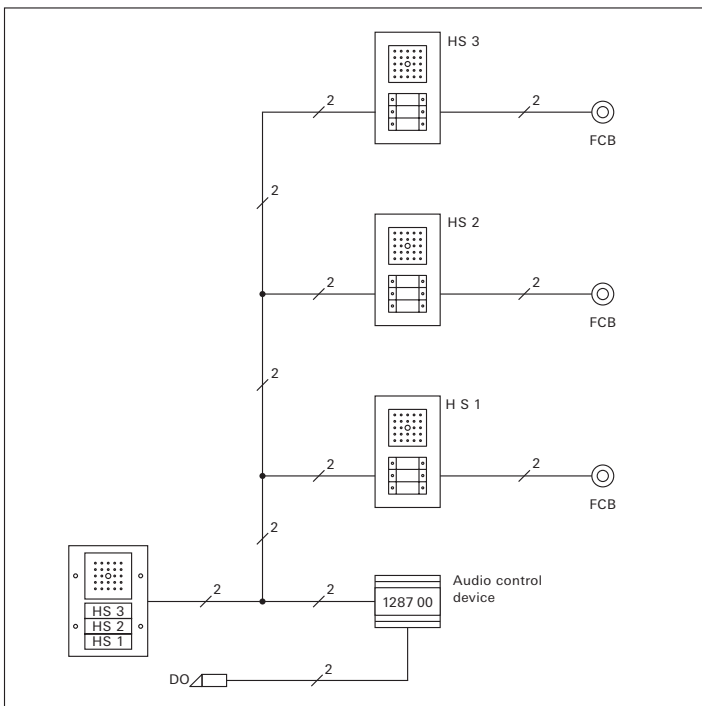with cable diameter of 0.8 mm
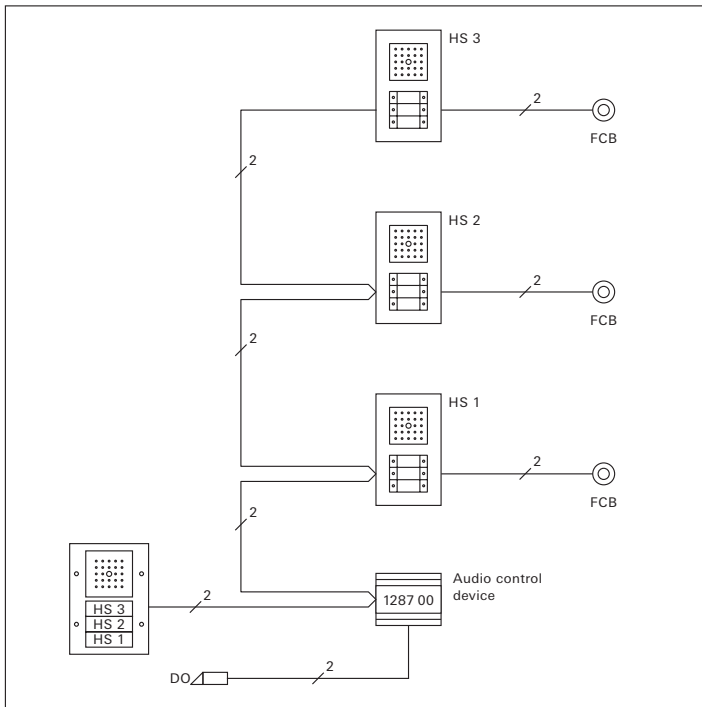
Loop-through solution
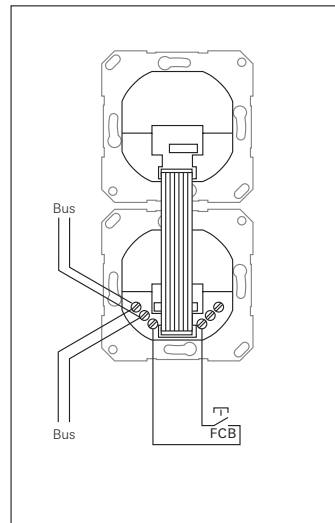
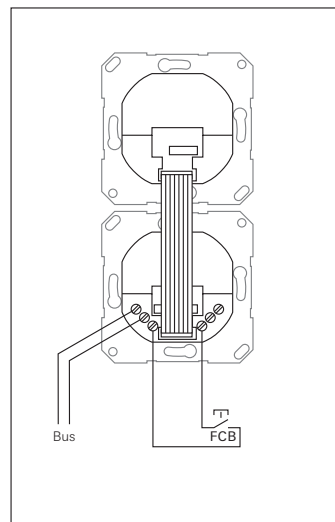
Connection of the home station,
loop-through solution
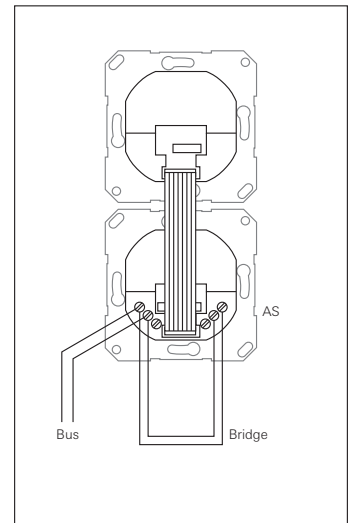
Connection of the door station,
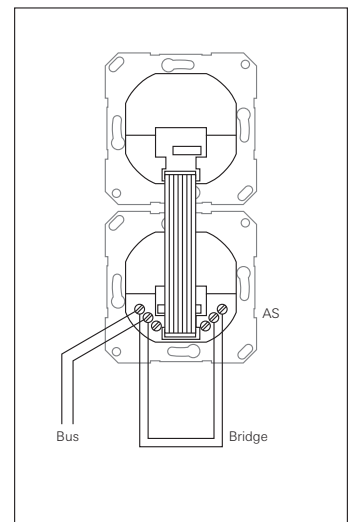loop-through solution

Bridge set: Call button
illumination switched on.
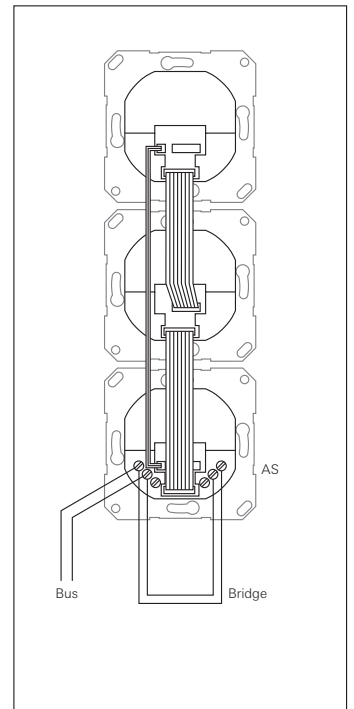Bridge not set: Call button
illumination switched off.

Branch line solution

Connection of the home station,
branch line solution

Connection of the door station,
branch line solution

Bridge set: Call button
illumination switched on.
Bridge not set: Call button
illumination switched off.

The Gira door communication system.
Video installation scenarios.

The maximum cable length between the colour camera and TFT display is 100 m.
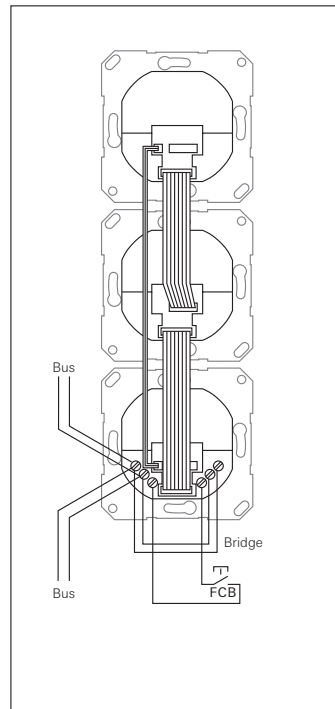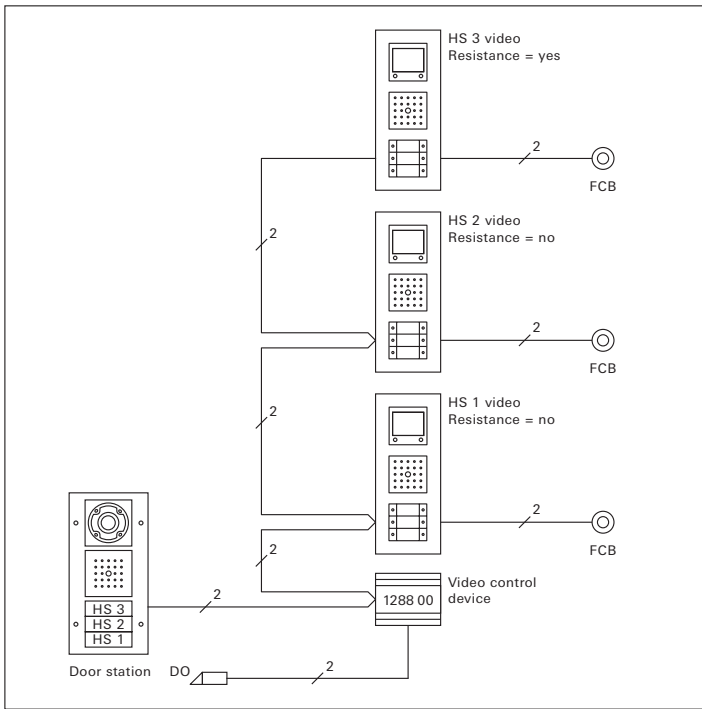
Connection of the home station, loop-through solution
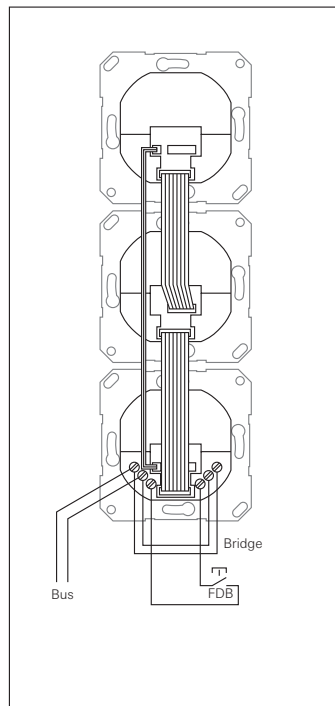

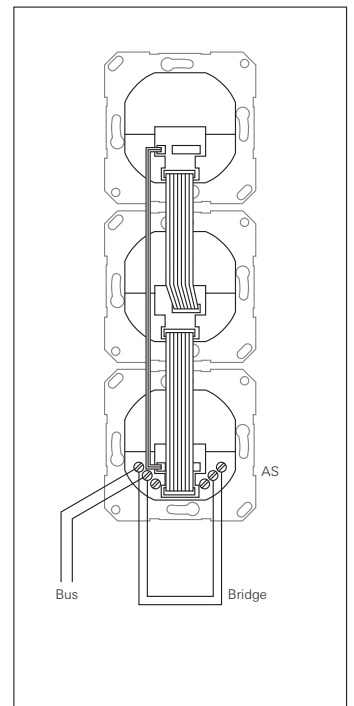Connection of the door station, loop-through solution
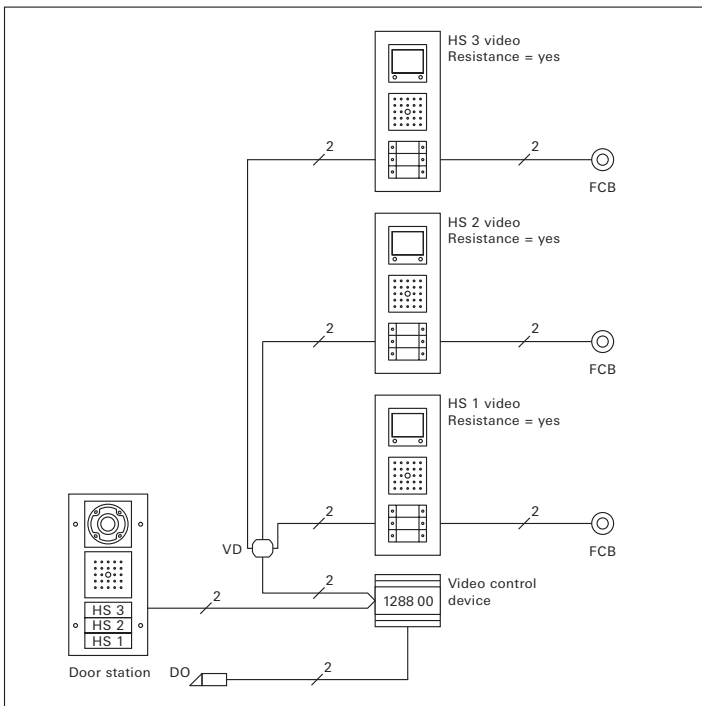
Branch line solution

With branch lines, the video distributor (VD) must be provided in the respective branch to ensure proper cable termination.

Note: The bridge may not be removed in conjunction with video components, as otherwise the TFT display or the colour camera will not operate.

Connection of the home station, branch line solution

Connection of the door station, branch line solution

The Gira door communication system.
## Equipment examples.

3-family house with audio function, flush-mounted door station, standard home station with receiver, Gira Event
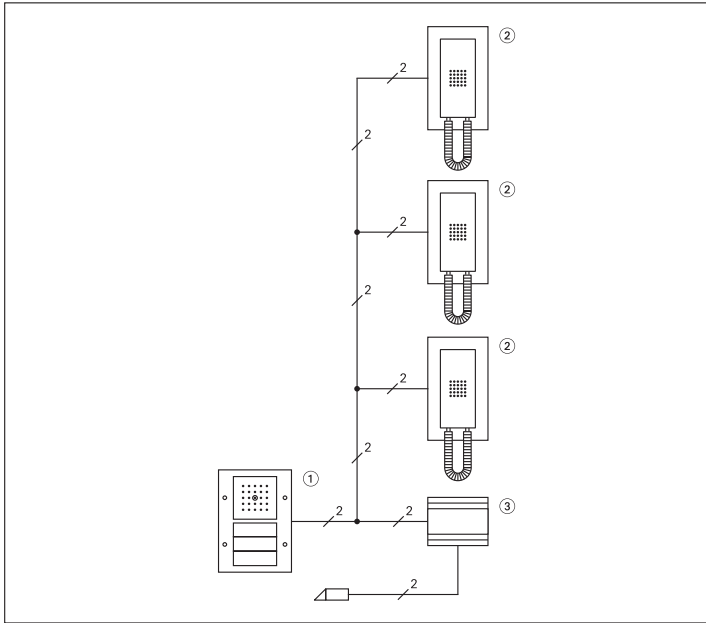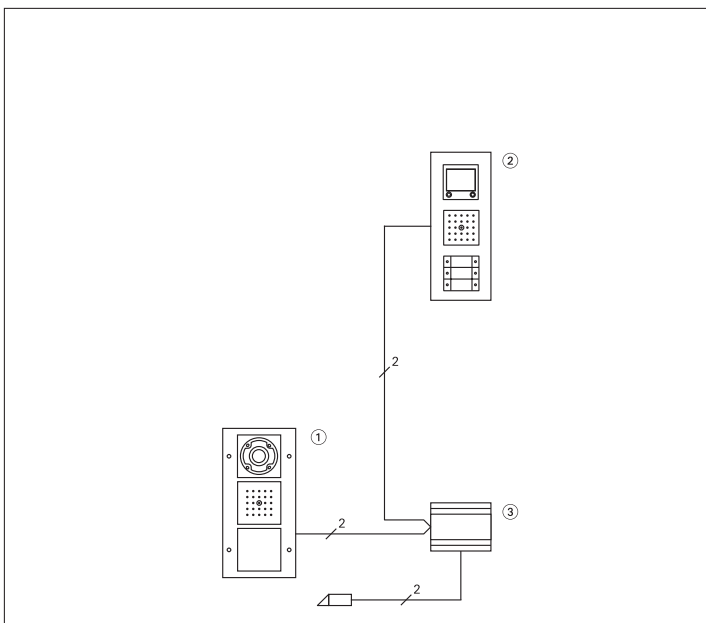

Quantity	Order Number	Component
1	1261 65	Flush-mounted door station [1] with 2/3-gang call button, aluminium colour
1	0212 65	Gira TX_44 2-gang cover frame, aluminium colour [2]
3	1281 26	Standard home stations with receiver, aluminium colour
3	0212 93	Gira Event 2-gang cover frame, opaque blue central inserts, aluminium colour
1	1287 00	Audio control device [3]
1		Common door opener, 12 V AC, max. 1.6 A

6-family house with audio function and door station profile, Hands-free feature home stations, Gira Esprit
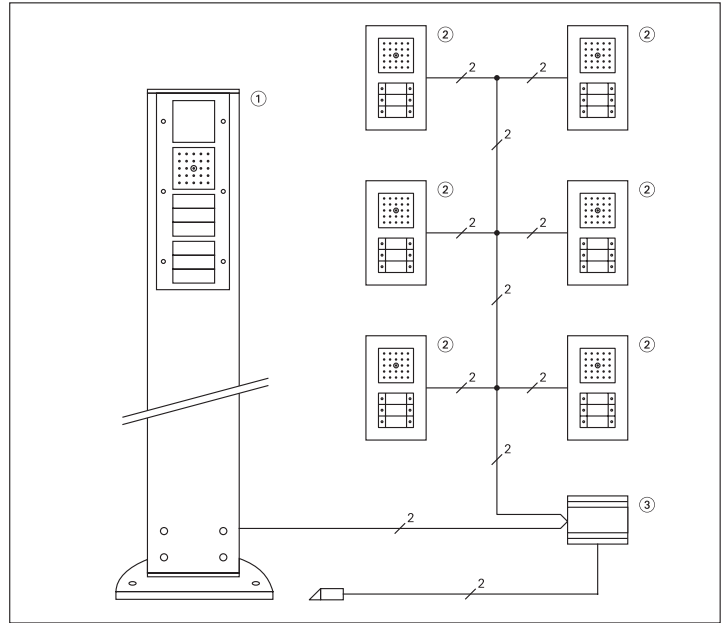
Quantity	Order Number	Component
1	1354 26	Gira energy profile with four empty units [1], height 1,400 mm, aluminium colour. Gira TX_44 4-gang cover frame, aluminium colour
1	1261 65	Flush-mounted door station with door speaker and call button 2/3-gang, aluminium colour
1	1263 00	2/3-gang call button for flush-mounted door station
1	1264 00	Info module flush-mounted door station
6	0212 18	Gira Esprit 2-gang cover frame, glass mint
6	1280 03	Hands-free feature home station [2], pure white glossy
1	1287 00	Audio control device [3]
1		Common door opener, 12 V AC, max. 1.6 A

1-family house with video function, flush-mounted door station, Hands-free feature home station and colour TFT display, Gira Esprit

Quantity	Order Number	Component
1	1260 65	Flush-mounted door station with door speaker [1] and 1-gang call button, aluminium colour
1	1265 65	Colour camera, aluminium colour
1	0213 65	Gira TX_44 3-gang cover frame, aluminium colour
1	1280 03	Hands-free feature home station [2], pure white glossy
1	1286 03	Colour TFT display, pure white glossy
1	0213 18	Gira Esprit 3-gang cover frame, glass mint
1	1288 00	Video control device [3]
1		Common door opener, 12 V, max. 1.1 A

GIRA