

GIRA



System
106

The modular and flexible door station as part of the Gira door communication system

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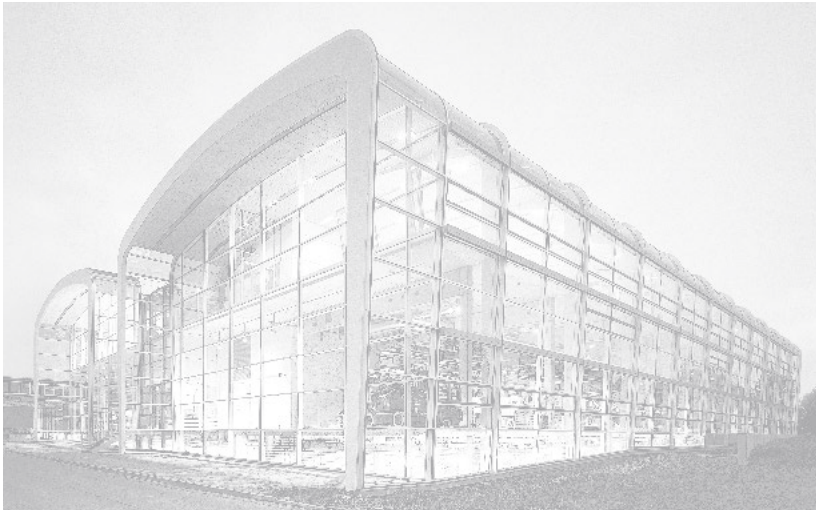
Design awards

Iconic Award 2014, Best of Best in the Product Building Technologies category
Plus X Award 2014 'Best Product of the Year' category
Plus X Award 2014 for high quality, design, operating convenience, and functionality



Tradition and innovation.

More than 100 years of Gira



Gira production facility in Radevormwald

From a switch manufacturer to a systems supplier

The roots of the German family-run company Gira extend back to 1903. In that year, Richard Giersiepen designed a further development of the then-common toggle switch and applied for a patent. Two years later he founded a company together with his brother Gustav to introduce his invention and other parts for home installation to the market. With this step in 1905, the Giersiepen brothers laid the foundation for a great success story. Since that time, Gira has continuously developed – from a switch manufacturer to a provider of intelligent building technology systems. Today, Gira is led by the fourth generation of the family.

Quality that is 'Made in Germany'

From the beginning Gira has relied on quality – not only regarding materials and processing. Optimisation and advancement have always played a central role in the entire product range, as in the initial patent application. This is indicated by numerous innovations with which Gira has decisively shaped the market for electrical installations for more than a century: from a modular system for switches, buttons, and covers via the integration of intelligent features, such as door communication, in the switch ranges, to the Gira HomeServer and the Gira Interface for intuitive control of building technology.

On several occasions, Gira has been honoured with the renowned Plus X Award for the most innovative brand in the field of home technology.

Award-winning design

In addition to the highest standards of quality and function, the topic of design has a long tradition at Gira. Gira products regularly receive awards in international design competitions such as the Red Dot Award and the iF Design Award. However, Gira products excel through more than just their design, materials and workmanship. By continuously integrating new technologies, functions and systems up to software development, Gira is setting new standards for holistic product design. The Gira G1 is the latest example of this.

DIN EN ISO 9001

Quality that is 'Made in Germany' is highly valued at Gira in all areas of activity. This is ensured by continually maintaining the company's quality management system in accordance with DIN EN ISO 9001:2008, and confirmed by independent, external certification audits.

Member of the KNX Association and CEDIA

As a member of the KNX Association and CEDIA, Gira ensures that its products and solutions meet international standards that are not tied to a particular manufacturer.

Experiencing Gira live

In the Gira showrooms, the interaction of home entertainment and intelligent building technology can be experienced live. Experts such as system integrators and audio specialists use these spaces to present the latest achievements in building technology and multi-media, as well as various interlocking functionalities, in a sophisticated ambiance.

In the other showrooms, there is an application-oriented presentation of Gira products in combination with technology for other fields including plumbing, heating, air conditioning or ventilation applications. The products are also presented integrated in diverse living spaces, for example in upscale furniture stores.

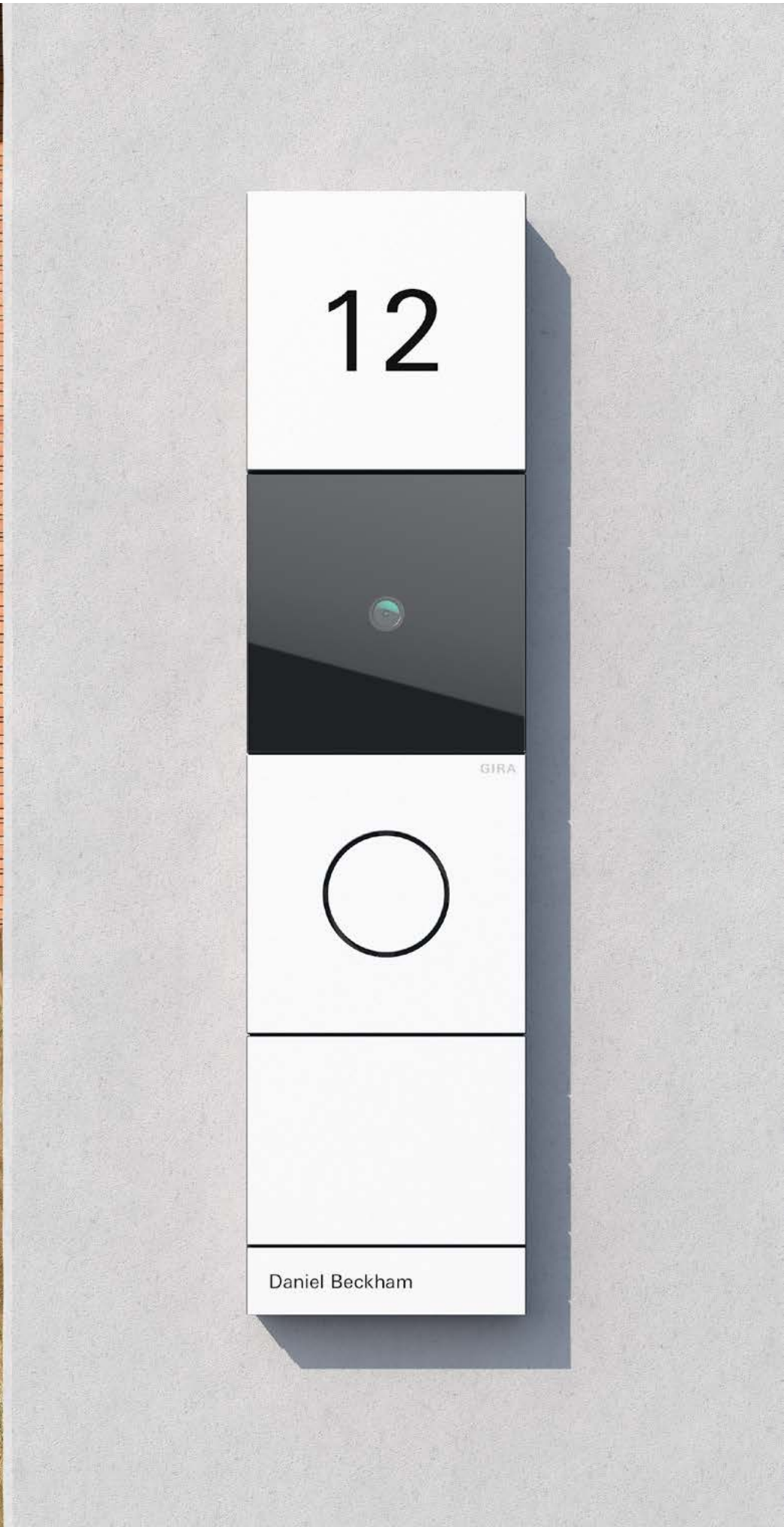
You can find Gira showrooms in your area here:
www.gira.com/experienceroom



Gira System 106 door station, stainless steel, with camera module, speech module, 2 x call-button modules, 4-gang, with laser-inscribed call buttons

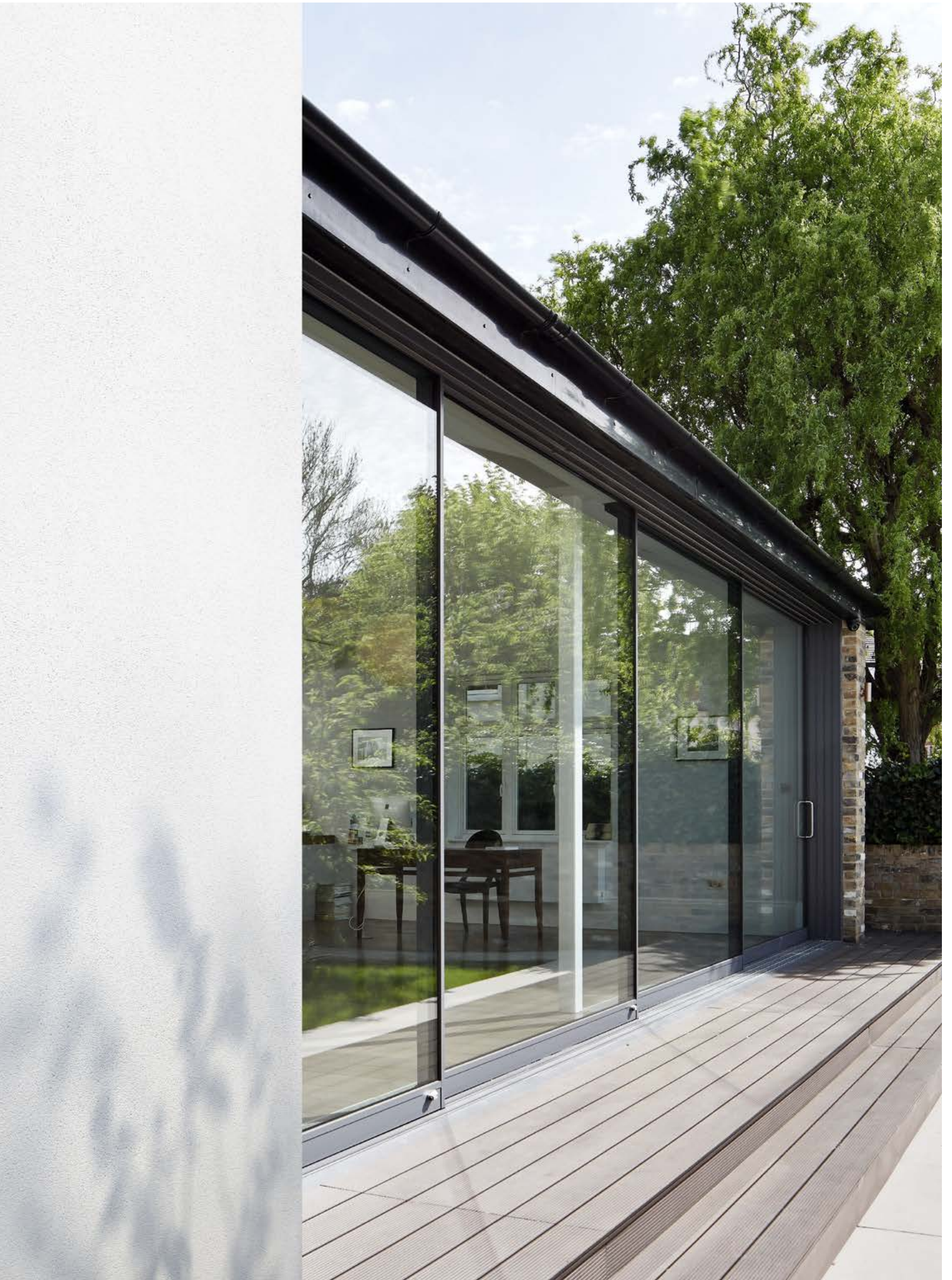


Gira System 106 door station, traffic white, with info module camera module, speech module, call-button module, 1-gang, with laser-inscribed call buttons





Gira System 106 door station, aluminium, with camera module, speech module, call-button module, 1-gang, with laser-inscribed call buttons

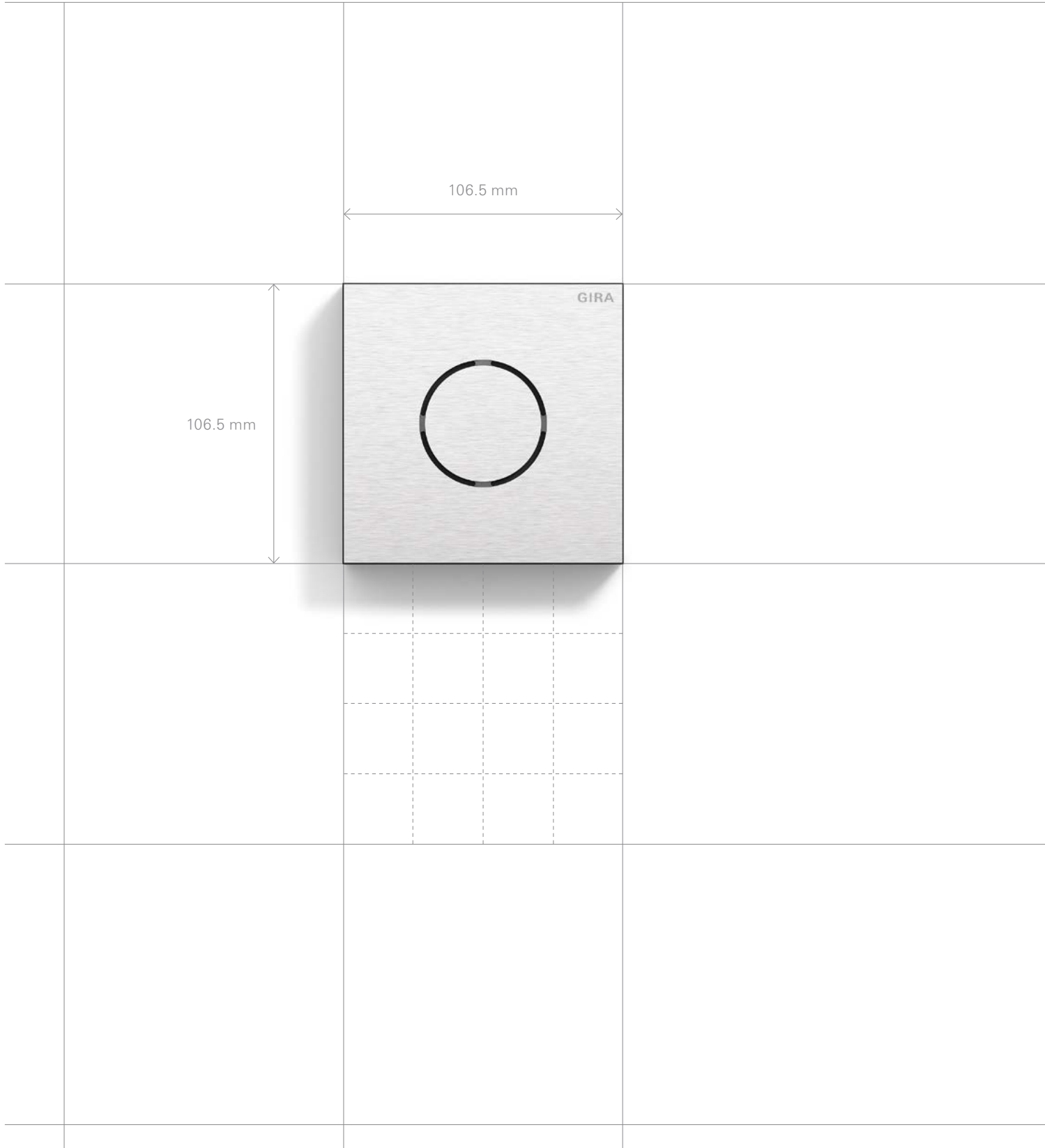


Elegant and flexible.

Design concept

The Gira System 106 is a modular door communication system with metal front plates in an elegant, minimalist design. It is designed for outdoor use and is compatible with the existing Gira door communication system. The Gira System 106 is based on individual modules, whose basic measurements are 106.5 × 106.5 mm, and which can be combined flexibly and arranged vertically, horizontally, or in squares. Refined surfaces,

robust materials, and compact, cutting-edge technology provide convenience, security, and a touch of elegance to your door. The system is particularly suitable for single family homes and apartments, but is also a great fit for offices, industrial properties, and hotels. Up to 17 audio stations and 13 video stations can be assigned to the call buttons.





Barrier-free communication

Accessibility is an important requirement, particularly for public buildings. This is where the display module comes in handy. It helps visitors with hearing impairments by communicating through visual displays in addition to the acoustic signal.

Video function

See who is at the door – video communication is an important function of the door station. The camera with its wide observation area provides a good overview of what's going on at the front door. This offers more security – especially for larger properties.

Speakerphone function

The speech module with speakerphone function is a central element of the door communication system. Background noise suppression enables participants to speak to and hear each other clearly, with no interference.

Robust call buttons

The call buttons are part of a door station's basic configuration and are exposed to a great deal of stress and wear, for example in medical practices, law firms, offices, and agencies. The System 106 call buttons can be relied upon; they are not only elegant, but also robust and scratch resistant.

Orientation

A clearly-displayed house number is helpful for visitors and delivery people. Thanks to the Gira System 106 info module, this can be achieved with style. Companies can also use it for displaying their opening hours.

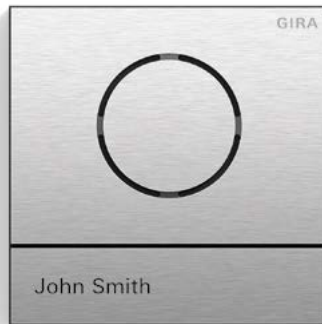
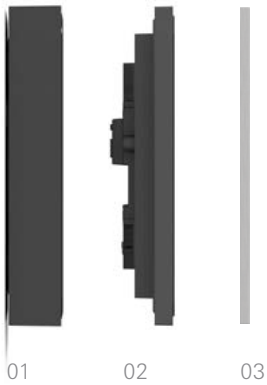
Functional and modular.

Modules

Door station module

The Gira System 106 door station module comprises a speakerphone unit with integrated call button, and is thus the smallest independent unit to function as a complete door station.

It contains a high-quality microphone and weather-resistant speaker for clear communication at the door.



Intercom module

The Gira System 106 speech module with speakerphone function enables communication between indoors and outdoors. The high-quality microphone, weather-resistant speaker, and background noise suppression ensure a high level of voice quality.



Structure

Whether its the camera, speakerphone unit, or call button – the modules all contain the same technology. They are inserted into the housing, and covered and protected by the 3 mm-thick design front plate.



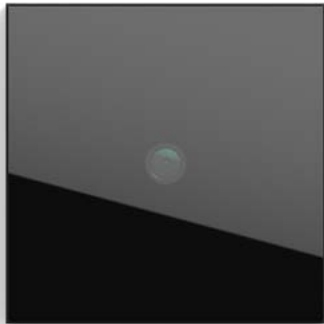
Call-button module

The system's robust call buttons are available in two variants, which can be exchanged at any time. A choice is offered between minimalist, all-metal buttons with an elegant laser inscription, or call buttons with a backlit inscription space for handy orientation in the dark.

The call buttons are available in 1, 2, 3, and 4-gang variants. A system can be easily expanded – e.g. from 2-gang to 4-gang – simply by adding call buttons. Individual call buttons can have their lighting deactivated, e.g. if there are vacancies.

Camera module

A high-quality, extremely light-sensitive camera is concealed behind the durable, scratch-resistant black glass plate. The wide observation area and backlight compensation guarantee a clear image and a good overview of what's going on at the front door.



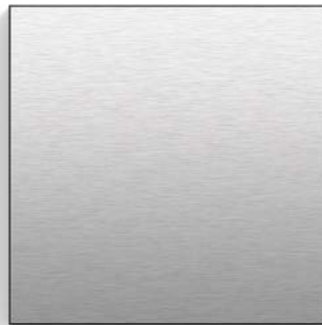
Display module (DIN 18040)

Thanks to the Gira System 106 display module, visitors can see when they are being requested to speak and when the door is opened. This also means that the module meets the DIN 18040 standard for barrier-free construction.



Info module

The Gira System 106 info module is suitable for house numbers, names, street names, opening hours, and any other information that needs to be clearly and prominently displayed.



Blank module

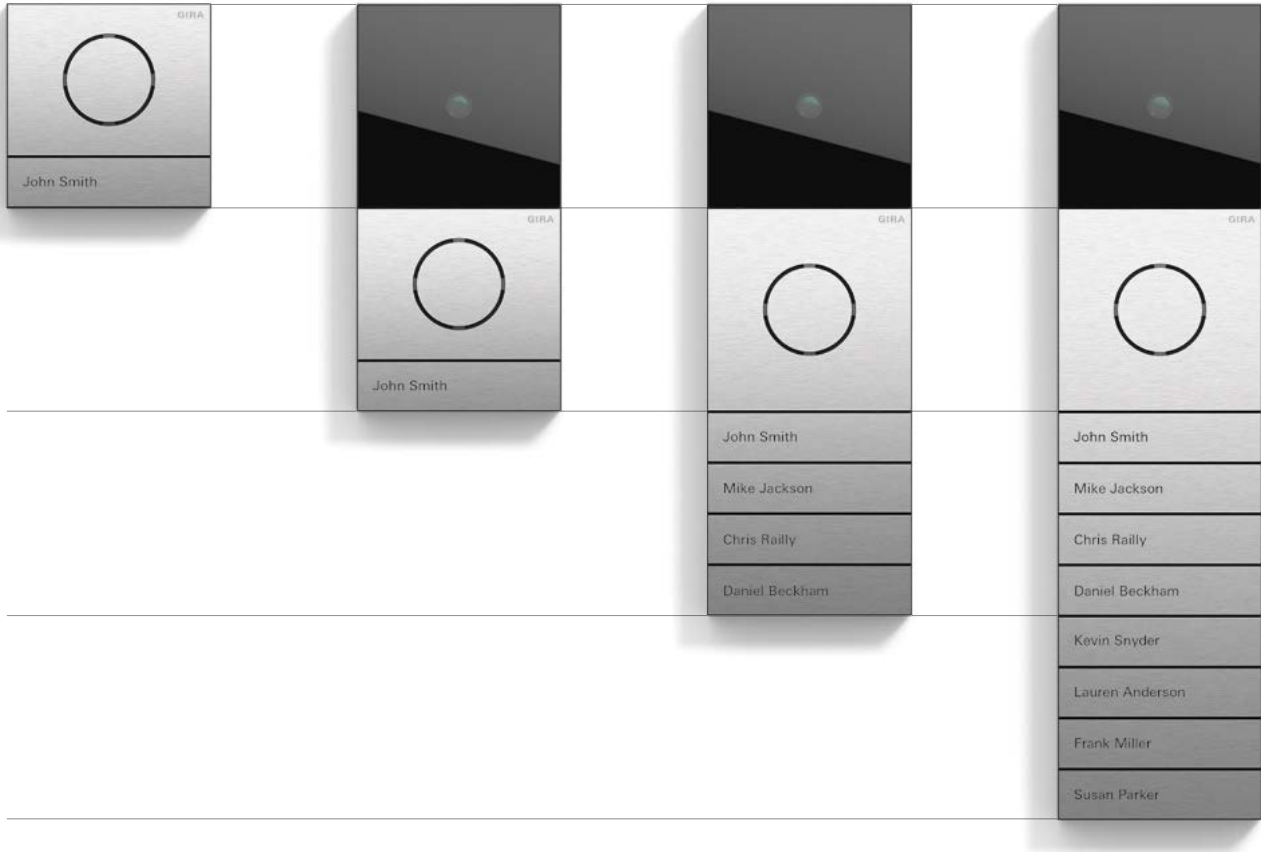
A blank module in the Gira System 106 design is provided to cover up modules for future expansions as a placeholder for temporary vacancies or as a design element for realising large door stations.

Inscription Service

With the Gira Inscription Service, the call button and info module of the Gira System 106 can be professionally designed according to your personal specifications. The template can be created and the order placed online without a great deal of expense or effort. A corresponding design can be produced in a few steps and ordered via an online form.

www.marking.gira.com

Flexibly scalable. Configuration



Gira System 106
door station,
stainless steel, with
door station module
with laser-inscribed
call button

Dimensions:
H 106.5 mm
W 106.5 mm
D 28.4 mm

Gira System 106
door station,
stainless steel, with
camera module,
door station module
with laser-inscribed
call button

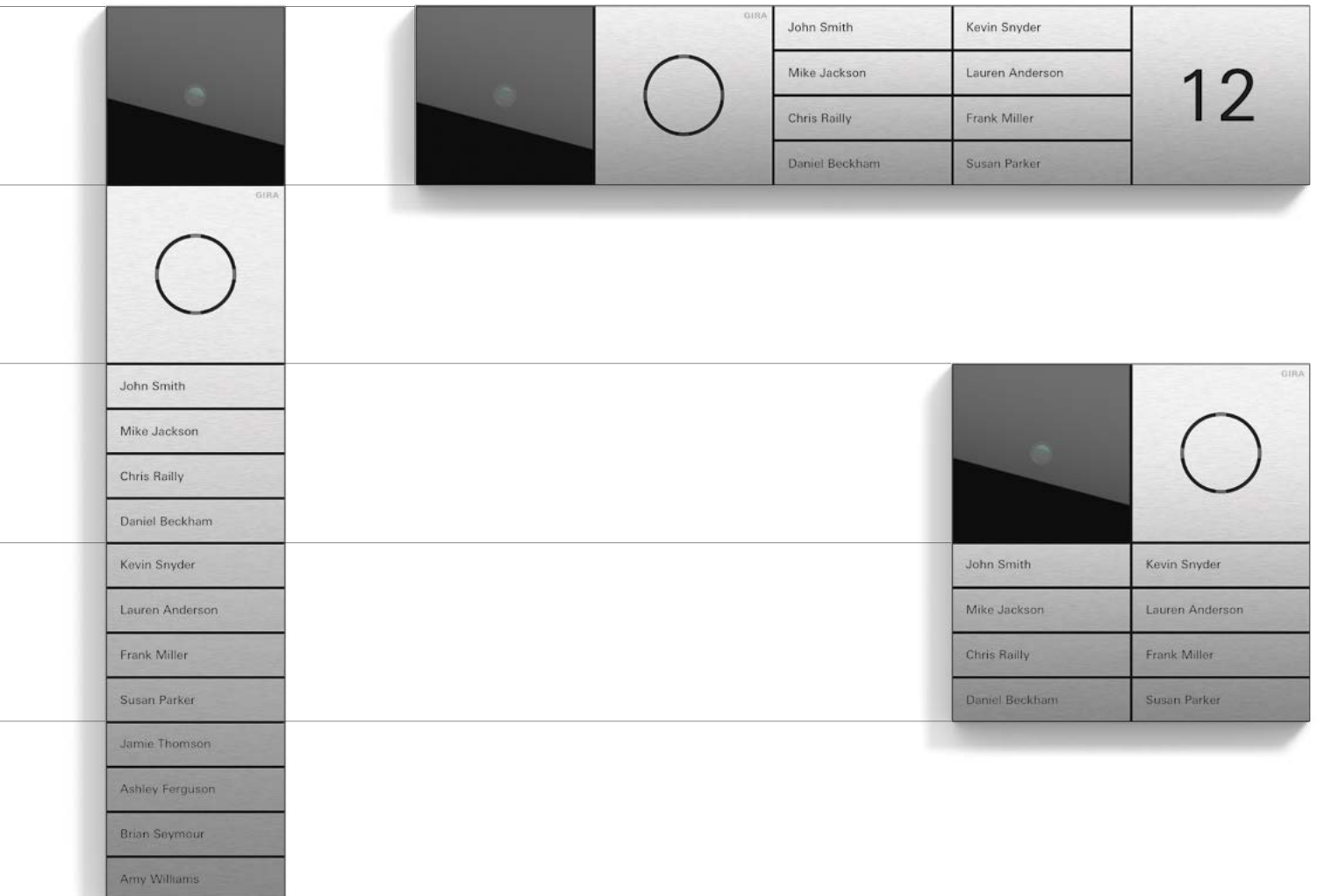
Dimensions:
H 213.0 mm
W 106.5 mm
D 28.4 mm

Gira System 106
door station,
stainless steel,
with camera
module, speech
module, call-button
module, 4-gang,
with laser-inscribed
call buttons

Dimensions:
H 319.5 mm
W 106.5 mm
D 28.4 mm

Gira System 106
door station,
stainless steel,
with camera
module, speech
module, 2 x call-
button module,
4-gang, with laser-
inscribed call
buttons

Dimensions:
H 426.0 mm
W 106.5 mm
D 28.4 mm



Gira System 106 door station, stainless steel, with camera module, speech module, 3 x call-button module, 4-gang, with laser-inscribed call buttons

Dimensions:
H 532.5 mm
W 106.5 mm
D 28.4 mm

Gira System 106 door station, stainless steel, with camera module, speech module, 2 x call-button module, 4-gang, with laser-inscribed call buttons, info module

Dimensions:
H 106.5 mm
W 532.5 mm
D 28.4 mm

Gira System 106 door station, stainless steel, with camera module, speech module, 2 x call-button module, 4-gang, with laser-inscribed call buttons

Dimensions:
H 213.0 mm
W 213.0 mm
D 28.4 mm

Individual and simple. Configuration

Gira Door Communication Configurator

Configuring the Gira System 106 is very simple and can easily be done online using the Gira Door Communication Configurator. All modules can be selected – arranged vertically, horizontally, or in squares. Anything is possible – from single or multi-family homes to large residential buildings. The Configurator automatically supplements the devices required to operate the system in the process. The user-friendly online tool is just as suited to proprietors and managers as it is to tradespeople and other professionals.

www.dcsconfigurator.gira.com

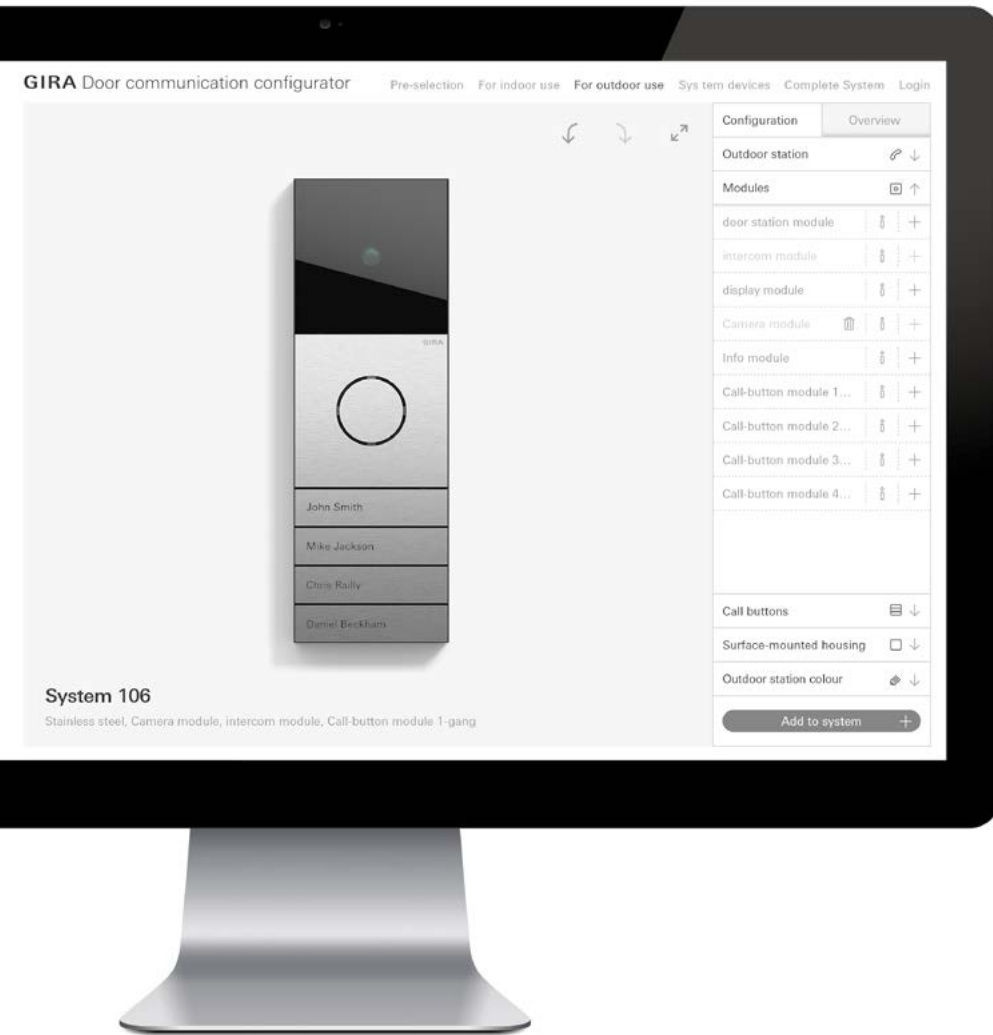
Gira parts list

Users can save a ready-planned complete system with all products, prices, and a complete parts list, or can alternatively download it in PDF form.

Gira Inscription Service

A particularly practical feature: for the inscription of call buttons, a direct link to the Gira Inscription Service is incorporated.

www.marking.gira.com



Above:
The Gira Door Communication Configurator

Right:
Parts list with overview of all components

GIRA Parts list

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Date: 28.04.2017

Parts list My house

Pos.	Product	Room	Order No.	PS	GBP (incl. VAT)	Quantity	GBP (incl. VAT)
01	System 106 Intercom Door st. module	Room 1	0202 010	20	524.00	1	524.00
02	System 106 Door st. Camera module	Room 1	0201 000	10	783.00	1	783.00
03	System 106 push- button call button 1x2	Room 1	0202 010	20	94.87	1	94.87
Subtotal GBP							1.402.87
VAT 20% GBP							272.57
Total GBP							1.675.44

Resolutions are subject to change without notice.
Prices valid for the German market (incl. VAT) only.
Please refer to the online help for more information on the Gira website.

Fits to the wall. Surface-mounted installation



Protrudes from the wall by only 28.4 mm

The Gira System 106's slim-line design is particularly impressive. It is based on a housing that is only 28.4 mm high, and therefore barely protrudes from the wall – lending your front door an elegant appearance.

With a straightforward surface-mounted installation, the door station can be easily mounted on the wall regardless of the material underneath. As a result, the System 106 not only works well with new buildings, but is equally suited to retrofitting. We would also recommend it for facades with composite heat insulation systems, as the wall doesn't need to be prised open in order to install it – so there is no intrusion into the thermal insulation, through which moisture could penetrate the wall. Problematic thermal bridges are avoided.

Elegant and robust. Material and colour

The Gira System 106 offers three different metal design fronts, so that each style will have the perfect solution. The design fronts can be exchanged at any time, without the underlying technology having to be changed.



Stainless steel
V2A stainless steel

In the stainless steel variant, the design front of the Gira System 106 has a fine-polished, refined gleam, and lends the door station a simple elegance (240-grit satin finish). Stainless steel is regarded as a classic material for modern construction. With a stainless steel design front, the door station becomes a powerful statement at the building entrance. The stylish material is both durable and resilient – a great advantage, particularly for outdoor use.



Aluminium
E6-C0

The anodised aluminium design fronts have a silk-matt sheen, which gives the Gira System 106 door station a cool elegance: the perfect look for your entrance. With its subtle tones and accents, this material perfectly suits the modern style of architecture. At the same time, it is resistant and impermeable.



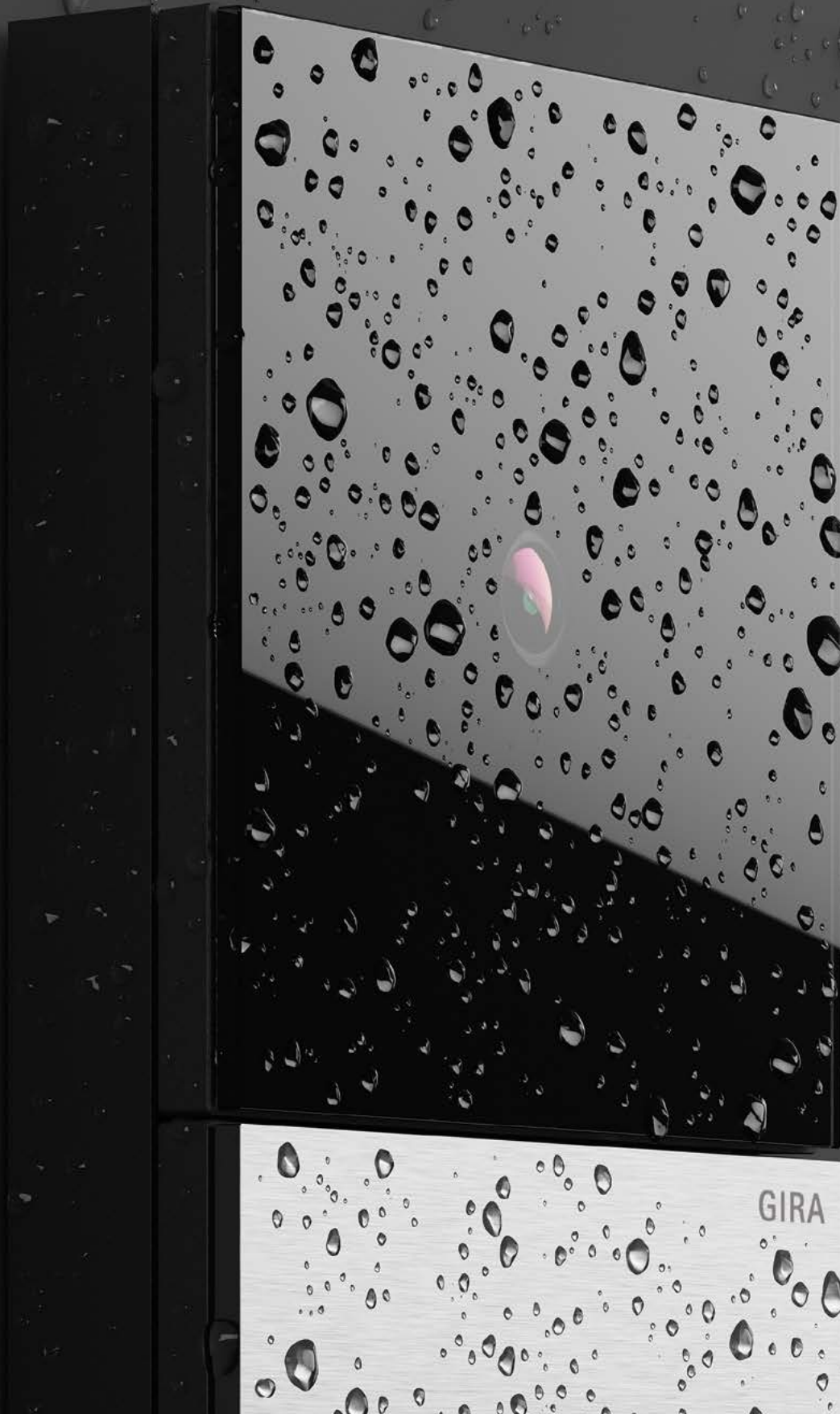
Lacquered white
RAL 9016, traffic white

In addition to the metallic styles, a version in traffic white completes the range. These lacquered design fronts have a modern, fresh look. The colour white brings its own unique charm and can also be considered a classic. The white door station suits any building facade and blends with relative ease into any atmosphere.

Artfully concealed. Technology

The body and flat modules of the Gira System 106 are full of innovative technology and functional details.

For example, the design and glass fronts conceal the high-quality speech system with background noise suppression, the camera with backlight compensation, the brightness sensor for the call button, and a built-in heating unit to protect the system.



Camera



A good overview at all times

An extremely light-sensitive camera is concealed behind the black glass plate. The wide observation area and backlight compensation guarantee a clear image and a good overview. The camera module also has a rotary selection switch. This enables the image to be set in nine different positions.

Integrated heating

The camera module contains a heating unit, which switches on if necessary and protects the camera from fogging up. There is even a second heating level for use in very cold regions. This requires an additional connection.



Maximum visibility even at night

Four infrared LEDs arranged around the lens perfectly illuminate the view in front of the camera. In night mode, infrared lighting enables a glare-free illumination of the field of view. And the home's inhabitants can turn on the camera at night without this being visible outside.

Backlight compensation

If any strong backlight, such as car headlights, hits the camera, individual image areas often remain extremely underexposed. The backlight compensation brightens up the dark areas, so that they are just as easy to see.

Speaker and microphone



Vandal-resistant design:
A robust metal plate protects the technology concealed behind it.



Peek inside: view of the speech module underneath the design front

High voice quality

Tucked away safely behind the design front are a high-quality microphone and a weather-proof speaker. Together with the background noise suppression, these two components ensure excellent voice quality and trouble-free communication.

Brightness sensor

The speech module or door station module houses the brightness sensor, which regulates the illumination of the call buttons. This takes place using two brightness levels, depending on the current ambient light conditions.



Call buttons



Call buttons with a full-metal surface

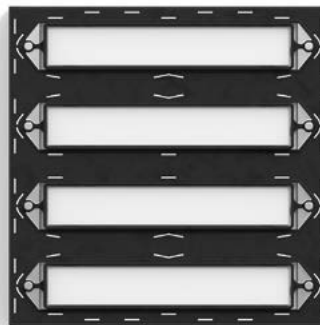


Call buttons with a backlit inscription space. The lighting can be individually deactivated.

Robust and flexible

A single module contains all the technology for fitting the door station with call buttons. Its flexible design allows it to be equipped either with plates made entirely of metal, or with buttons featuring a backlit inscription space. In each case, the corresponding cover is simply selected and placed on top of the module.

The call buttons are available in 1, 2, 3, and 4-gang variants. The underlying module can be fitted with the desired number of buttons.



Smart construction, with LED and fine, tactile – yet robust – mechanics



Body



Peek inside the housing with the covered elongated slots and membrane

Ideal micro-climate

The robust housing has a CDP coating, which provides protection against corrosion, and is recyclable. The housing also has rubber covers on the elongated slots and a membrane with a small opening covered in a geotextile fleece. This offers protection against humidity and ensures an ideal micro-climate.

Two-wire bus



Installation without the need for cabling work

Only two lines are required to supply power to the various components and transmit 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 routing new cables, existing cables are used.

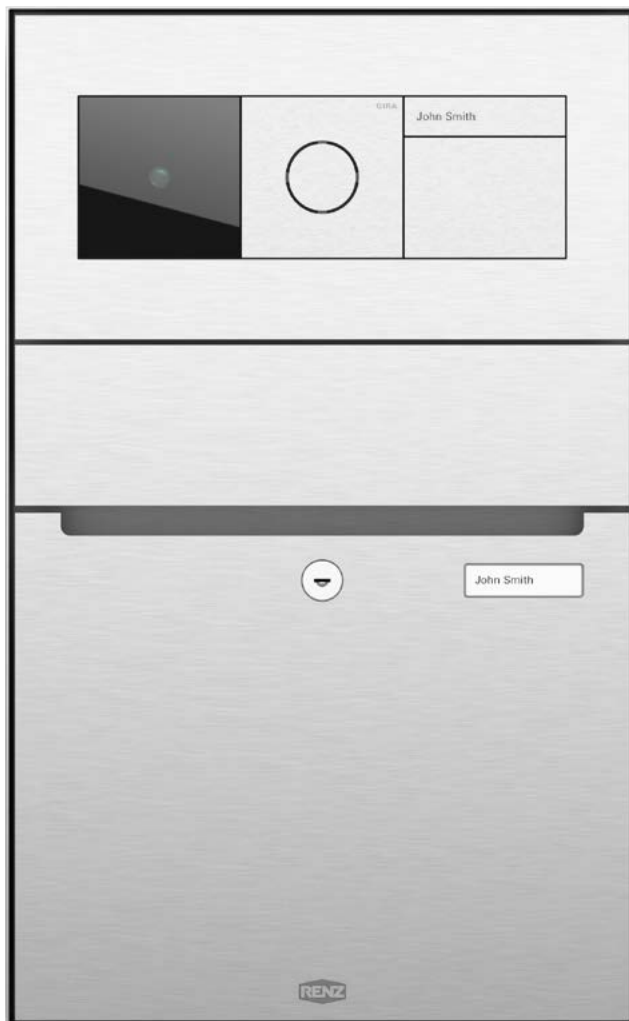


Seamlessly integrated.

Mailbox solutions in cooperation with Renz

Door stations and mailboxes harmoniously combined – the Gira System 106 can also be integrated into Renz's mailbox units.

Renz is a premium provider of mailbox solutions and offers a range of sophisticated products. The Gira System 106 modules match the Renz Plan and Plan S series and can be installed flush into the units. Combining the two ensures that the front entrance has a uniform appearance, and looks particularly tidy and stylish.



Integration in Renz Plan S

The Renz Plan S series includes vertical mailboxes for surface-mounted or flush-mounted installation. The mailboxes' flat surface fits particularly well in an even wall. It can be fitted entirely according to preference using a plaster cover frame, flush with the plaster using a close-fitting cladding, or with a shadow joint. A further advantage of the mailboxes is their isolated letter flap with noise reduction. The mailboxes are available in a variety of materials.

The Gira System 106 can be perfectly integrated flush into the Renz Plan S series. Mailboxes and door communication – all the functions you need in an entrance area can be compressed into a single space. Not only is this practical, but it also ensures a uniform appearance. Once the flush-mounted installation of the mailbox has been completed, no further work is necessary and no additional wall space needs to be taken up.

Integration in Renz Plan S pillar

The Renz Plan S series also includes a mailbox pillar, forming a free-standing solution for entrance areas. The sophisticated appearance of the pillar's flush surface is impressively underlined by the 2 mm thick flat material on all sides. The solid V4A stainless steel is not only robust with a high-quality feel, but also transforms the mailbox pillar into something very special. The Gira System 106 with its design fronts in stainless steel and black glass fits in perfectly with the pillar from Renz.



Intelligent parcel box

Today, parcel services deliver around ten million parcels each day in Germany, and this figure is increasing sharply. Online trade is booming, with more and more items being ordered on the internet. Parcel volumes are also rising as a result, particularly in the private customer segment. Renz has responded to the growing demand with its myRENZbox parcel box units for single and multi-family homes and apartment blocks.

The intelligent solutions make receiving or sending parcels from home incredibly straightforward. Regardless of whether the inhabitants are there or not. Delivery agents can authenticate themselves with their own portable handheld device, in order to open the myRENZbox, leave a parcel in it, or pick a parcel up. The occupant is then informed by email, messenger, text message or push notification that the parcel has been delivered or collected.

Occupants can open the parcel box via the myRENZ app, via an electronic chip key or personalised PIN. With the Gira System 106, the door communication can also be perfectly integrated flush into a Renz Plan mailbox unit with intelligent parcel box. In this way, all the necessary functions harmoniously combine to form a visually flush, yet highly functional surface in the entrance area.

Please contact Renz directly if you have any questions regarding the mechanical installation of the Gira door communication components in Renz mailbox units:

The Safety Letterbox Company Ltd
Unit 1B Milland
Industrial Estate,
Milland Road, Neath, SA11 1NJ
Tel +44 (0) 1639 633 525
help@renzpostboxes.co.uk



System-compatible.

Door and home stations

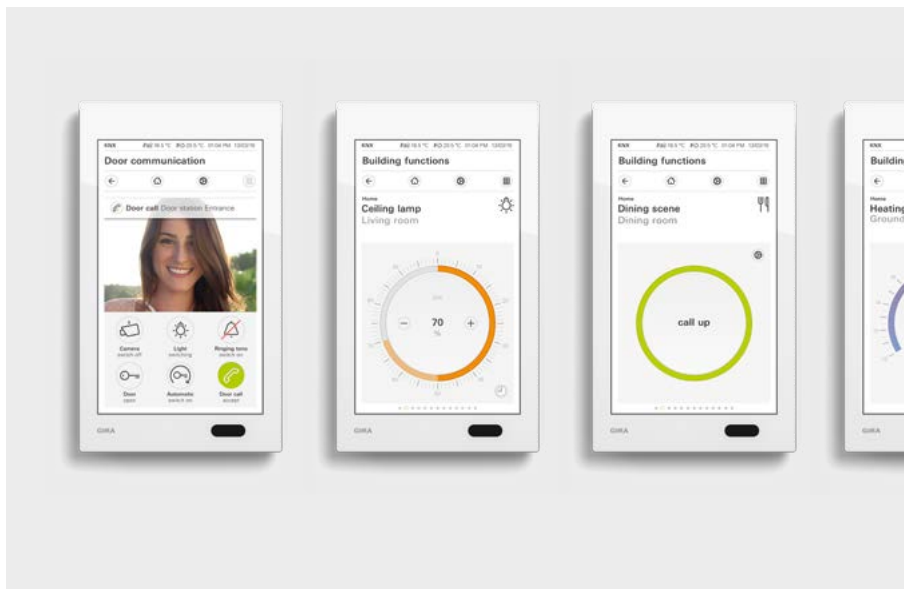


The counterpart to the door station on the outside of the entrance is the home station, the speech and operating unit for inside. The Gira System 106 can be combined with any of the home stations from the Gira door communication system. The Gira door communication system also offers the possibility of fully incorporating the door and home stations into IP networks.

In this way, a wide variety of IP operating devices can be used for communicating with visitors in the entrance area.



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



Door communication in the style of the switch range

Gira home stations are the speech and operating units at the apartment door. For flush-mounted installation, Gira offers stations that can be assembled in a way that matches the Gira switch ranges. Pre-assembled versions, such as the Gira surface-mounted home station video, are available for surface-mounted installation. These can be integrated into the Gira switch ranges, but also used without cover frames.

Door communication with the Gira G1 – the multi-talent for building technology

In conjunction with the Gira DCS IP gateway, the Gira G1 can also be used as a home station. The camera image automatically appears in the display when the doorbell rings. At the touch of a finger, communication can be initiated, the door opened, or the light switched on – all on the brilliant 9 x 16 cm multi-touch display, which provides particular convenience and clarity.

If it is integrated into a KNX system, many other functions can be controlled via the Gira G1, for example lighting, blinds, and room temperature. The Gira G1 is the intelligent central operating unit, the multi-talent for the entire building technology.



Image feed on the TV

Want to watch the thriller on TV and not have to get up when somebody rings the doorbell? The Gira DCS TV gateway has the technology to help you out. It converts the signal from the outdoor video camera and forwards it to the TV.



Door communication by phone

The Gira DCS TC gateway links landline or mobile telephones to the Gira door communication system, so that calls at the door can be picked up by phone and the door opened. No home station is required for operation.



Door communication using a computer

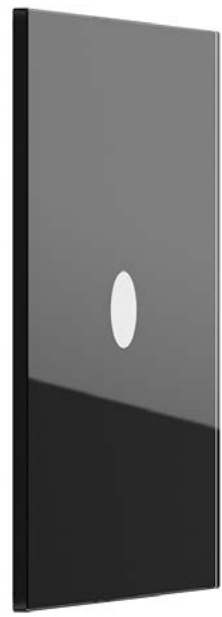
At work, in the office, or at home: with the Gira DCS IP gateway, computers can be used as additional home stations. Occupants can conveniently see who is at the door, talk to visitors, and open the door with the click of a mouse.



Gira System 106 door station, traffic white, with camera module, door station module with laser-inscribed call button

Advantageous for installation, service, and environment.

Modular design



Body

Robust housing made of CDP-coated, recyclable die-cast zinc.

Available in anthracite and traffic white, lacquered (RAL 9016)

Modules

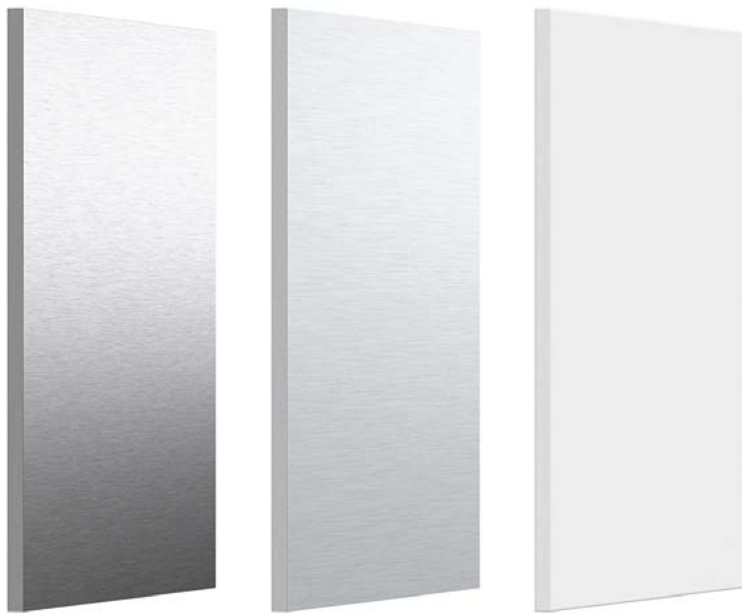
Electrical function inserts, detached from the body and design fronts.

Door station module
Intercom module
Call-button module
Camera module
Info module
Blank module
Display module

Design fronts

Functional covers for the modules in different materials and surfaces.

Black glass
Stainless steel
Aluminium
Metal, lacquered white



Extremely flexible

The modules are systematically developed for extreme flexibility in use. They can be assembled as desired and arranged vertically, horizontally, or in squares. A choice of stainless steel, aluminium, or aluminium lacquered in traffic white is available for the for the design fronts, so that all tastes and architectural styles can be accommodated.

And the modules or design fronts can easily be exchanged at a later stage.

Installation in step with construction progress

The benefits of modular construction are already apparent when installing the system. It is possible, for example, to install just the housing at first, when the building work is at an early stage.

Lines, modules, and front plates can be added later – just before the building is ready to be used.

Exchange service

Investment protection is an additional feature. If the surface of the system is damaged through vandalism, there is no need to exchange the entire door station, as the front can simply be replaced. This means significantly lower costs and expenditure on materials. Which is great for customers and for the environment.

Sustainability

When developing and selecting the materials for the Gira System 106, a high priority was given to sustainability. One of the characteristics of the System 106 is that it has also been designed to be dismantled in an extremely environmentally-friendly way, as all the materials used can be fully separated from each other. The modular design of the System 106 is particularly advantageous in this respect, as the different components such as the body, function modules, and design fronts are clearly demarcated from each other. They can be easily disassembled and separately dismantled. The coated die-cast zinc of the housing and the design fronts are recyclable. All plastic parts can be released from the circuit board, separated and sorted, and also recycled.

Simple and secure.

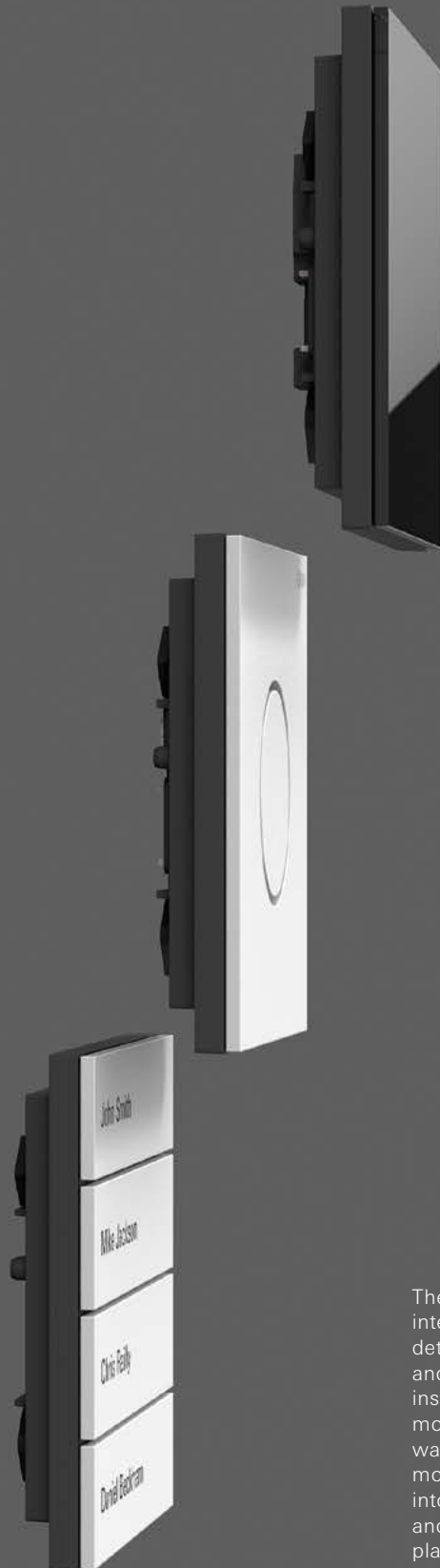
Installation



Body



Function support frame



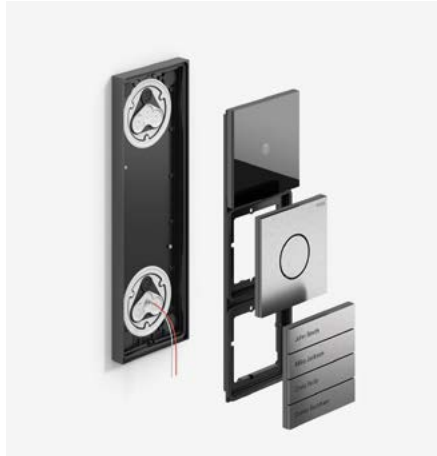
Modules

The Gira System 106 is intelligently designed in every detail, so that it is very simple and secure for the fitter to install. The housing should be mounted separately on the wall. Then, the different modules are initially inserted into a function support frame and this is then snapped into place in the housing. A particularly useful feature: a safety cord, which prevents the modules accidentally falling out during installation. The housing can finally be screwed shut and made theft-proof with a patented bit holder and the special bit.



1. Simply screw the body to the wall

Screw the body of the door station to the desired position on the wall.



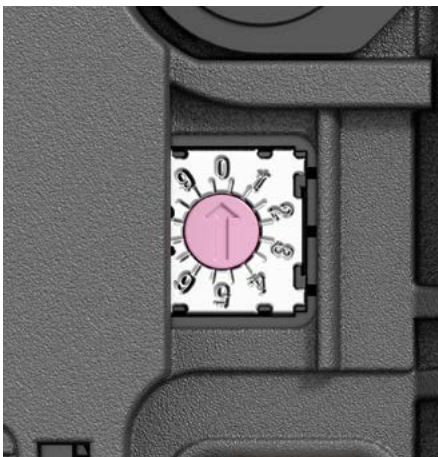
2. Insert the modules into the function support frame

Insert the different modules into the function support frame.



3. Securely attach modules

Each module is attached to the function support frame at all four corners with bayonet locks. A quarter turn of the locks is sufficient. A clear click then signals the correct fit of the locks.



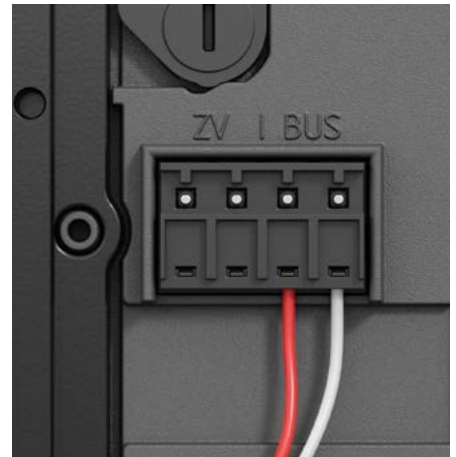
4. Adjust the camera's image section

The camera module has a rotary selection switch on its rear side. This can be used to set the image sections in nine different positions. If the camera can't be installed at the optimum height of 1.5 m, the image sections can thus be adjusted accordingly using the rotary selection switch.



5. Connect modules securely

Connect the modules to each other with flat ribbon cable and also insert the terminating resistors. The flat ribbon cable should be plugged in vertically or horizontally. There is a safety cord in addition to the function support frame. This prevents the inserted modules from accidentally falling out during installation.



6. Make the connection via the 2-wire bus

The Gira System 106 is based on 2-wire bus technology. Only two lines are required to supply power to the various components and transmit all audio and video signals. This enables a quick installation with reverse polarity protection.



7. Snap loaded function support frame in place

Once the function support frame is fully loaded, hook it onto the top of the housing and lay it over the body all the way down. Then snap the function support frame with modules in place in the body.



8. Securely close housing

The patented bit holder and special bit are now used to screw in the grub screw beneath the housing until it is flush with the housing edge.



9. Fully-mounted door station

Now the door station with anti-theft protection is fixed firmly to the wall.



Gira System 106 door station, aluminium, with camera module, speech module, call-button module, 1-gang, with laser-inscribed call buttons

Support for electricians.

General information

Up to date with professional training

Gira actively supports electricians by offering qualified training on Gira products and systems. Comprehensive product and marketing knowledge is essential to establish the innovative Gira System 106 on the market. This enhances the prospects of sales success and ensures trouble-free installation of the components. Gira offers both classroom seminars and online distance learning courses which make participation possible from any PC with internet access.

Classroom-based and online training courses

Classroom seminars on the Gira System 106 are held at Gira's premises in Radevormwald or at external locations, where course participants can deepen their knowledge in direct contact with their trainer and seminar participants. In contrast to this, online training sessions on the Gira System 106 take place exclusively on the internet.

Online distance learning courses

The Gira System 106 edited as multimedia learning content – that is the objective of online distance learning courses. Practical simulations for self-study convey all the facts regarding the basics of the Gira door communication system, its configuration, and the diverse possibilities offered by the Gira System 106. Exercises enable participants to test their new knowledge under practical conditions.

An overview of the courses offered can be found at: www.academy.gira.com

Less stock holding with the Gira System 106

The modular design of the System 106 also offers significant benefits when it comes to servicing. In case of an electronic defect, the module concerned can simply be replaced. However, there's no need to change the existing design front, and the customer can carry on using this. This means that electricians need to keep significantly fewer parts in stock. They only need to have a call-button module, speech module, and a camera module with them as replacement parts for a service job, regardless of the design fronts selected by the customer. Servicing engineers only need to have a few modules to hand in order to be able to overhaul any type of system from the Gira System 106. This is unique in this form in the market.

GIRA

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