

# Smart Home



18

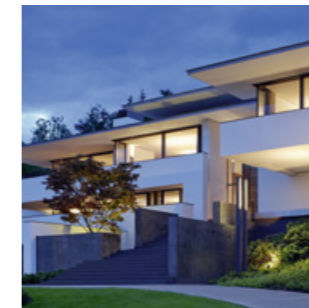
# Smart views



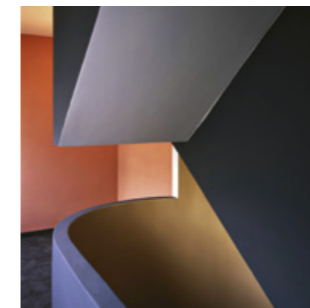
House at Achalm, Reutlingen  
 Architect: ALEXANDER BRENNER ARCHITECTS  
 Photos: Zoey Braun



08  
 KNX – the worldwide standard  
 for the smart home.



12  
 Cultivated objectivity –  
 a smart reference.



18  
 Worldwide exclusive:  
 Smart home in the colours  
 of Le Corbusier.



34  
 Life in the smart home: live  
 more comfortably and more  
 safely with KNX.

## COMPANY

Progress as tradition 04

## SMART HOME

Professional smart home 06

KNX – the worldwide standard 08

Why KNX? 10

## SMART HOME WITH DESIGN APPEAL

Reference: prestigious purism 12

Design LS 990 14

Design Les Couleurs® Le Corbusier 18

Design LS ZERO 20

Reference: Minimalism gets smart 22

Design A creation 24

## JUNG COMPETENCE

Individual variety 28

Visualisation 30

Door communication 32

Life in the smart home 34





Ernst Paris

Company founder Albrecht Jung

# Progress as tradition. Every day.

When Albrecht Jung founded his company in 1912, three things were already important to him: progress, quality and design. These principles have characterised JUNG to date and are noticeable and can be experienced in all parts of the company.

“Progress as tradition” is an attitude, the commitment to constant new thinking. A commitment to the development of ideas that create something new, for easier use, better functionality, more attractive appearance and more customer-friendly service. This motivates and unites us at JUNG. Every day.

## WE ARE JUNG:

**1912** Medium sized third generation family company



“Made in Germany” for more than 100 years.



Around 1,200 employees



17 subsidiaries and over 70 agencies worldwide



## Professional smart home

The intelligent home – a building that understands your needs. In which all functions of modern building management are practically interlinked and communicate with each other. Owning a smart home means extra comfort, cost-effectiveness, safety and energy efficiency. Our solutions for the modern networked home are based on the **global KNX standard** and are therefore absolutely future-proof.

From the basic configuration to the high end comfort solution, everything is possible. The professional JUNG smart home can be adapted to new requirements at any time – completely individually.



Comfort

Safety

Reliability

Efficiency



## KNX – the worldwide standard

Whoever wants to live and work smart relies on KNX. Because the bus system is the global uniform standard for equipping private and commercial buildings with future-proof building system technology. Thereby, the unique KNX technology enables the central and individual interlinking and control of the components of the house and building automation. JUNG is a founding member of the KNX Association and has thus supported this highly intelligent technology from the beginning.



The most intelligent worldwide standard for the modern building: Investors and owners as well as planners, architects and electrical installers thus have long-term security. From the easy to use control element to the complex system, the JUNG KNX components provide comprehensive,

future-proof solutions for control, visualisation and organisation of the building system technology. Areas such as lighting, shade, heating / air conditioning, monitoring / safety and multimedia are completely covered.

### FACTS AND FIGURES

**1990** 28 years of experience



75,945 partners in  
164 countries



436 manufacturers in  
44 countries



443 training centres in  
68 countries

Date: April 2018



# The advantages of KNX at a glance

## USER

Large selection of products

High comfort, high operational reliability

Coordinated interlinking of the devices and functions

Multi functional use of multiple devices

Modular, scalable system

Easy upgrade or adaptation for changing needs

Independence from individual manufacturers

Increased value of the building

## INSTALLER

Easier, faster device mounting and cabling

Cross-manufacturer quick connection technology

High quality and reliability of the products

Commissioning using manufacturer-independent software (ETS)

Speed and flexibility for expansions and modifications

Remote access for maintenance and diagnostics

443 training centres worldwide

## ARCHITECT

Can be used in every type of building

Thanks to the KNX standard, more than 9,000 devices of more than 436 manufacturers from 44 countries communicate with each other.

Constant expansion of the functions and applications

Commissioning using manufacturer-independent standard software (ETS)

Easy realisation of commands, controls, monitoring and displays

Connection possible to many other systems, protocols and standards

Easy logic connections between functions and devices

Certified and trained installers

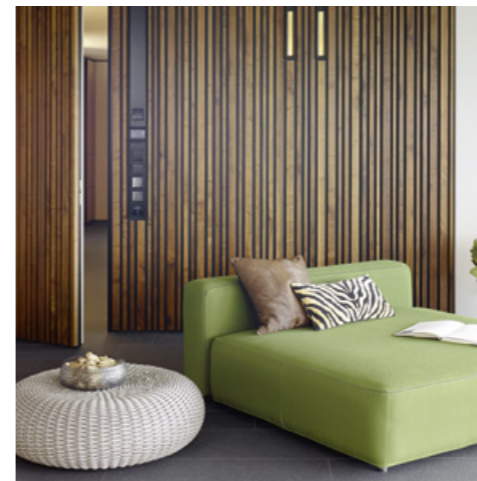




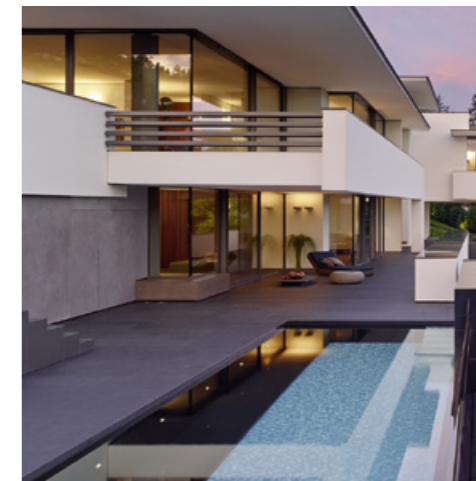
**House at Achalm, Reutlingen, Germany**  
 Architect: ALEXANDER BRENNER ARCHITECTS  
 Photos: Zoey Braun  
 Equipped with JUNG KNX technology in the LS 990 design.



## Cultivated objectivity



JUNG KNX technology in the LS 990 design meets real wood: smart technology on natural material in the house at Achalm.



Modern architecture across multiple levels: space for living.



Large window facades create openness and gain a link to the surrounding nature.



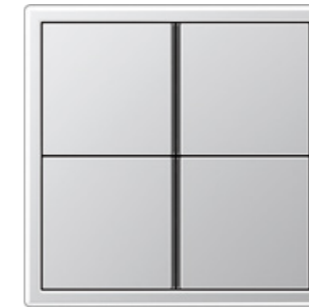
Natural colours for the interior design underline the generous size of the rooms.

Smart building technology in prestigious architecture – combined in one high requirement: always only the best. Owners worldwide have confidence in the intelligent JUNG KNX technology for their homes. Realised in the purist LS 990 switch design, pure aesthetics become cultivated objectivity.

COMPACT ROOM CONTROLLER F 50



PUSH-BUTTON F 40



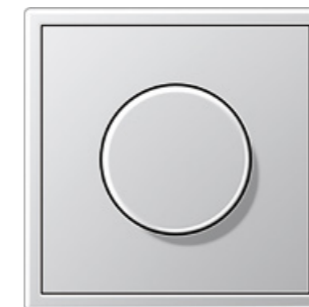
Simply press: large buttons for control of the building technology.

COMPACT ROOM CONTROLLER



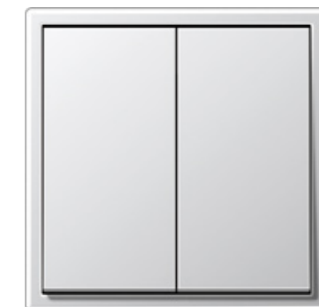
Well combined: indicator in the graphical display, operation by pressing a button.

ROTARY SENSOR



As for a regular rotary dimmer: turn, press, initiate function.

PUSH-BUTTON BCU



Looks like a usual switch; however controls smart KNX functions.

## LS 990 in function

Designed in the Bauhaus tradition – thereby open for the challenges of modern architecture. With LS 990, purism gains entry to the smart home.










Sequence light, control sun protection as required and set the perfect room climate: this is possible very easily with the KNX sensors and room controllers in the LS 990 design. Individually or linked in complete well-being scenes, for operation by simply pressing a button or

rotary movement – depending on the product, the function indicator is also shown on the graphical display. Clear symbols on the buttons make the handling easier: They are marked with the JUNG Graphic Tool ([jung.de/gt](http://jung.de/gt)) using a laser or colour printing.



## LS 990: consistently genuine

The simple square with narrow frame – uncompromisingly clear in its form and an avowed statement for the purism. Consistent with its clear form, LS 990 is provided in genuine materials. There is generally consistency in the implementation. For example, in the case of the proven, extremely durable duroplastic material which is pleasant to the touch. Only genuine materials are also processed for the metal variants. Whether aluminium, stainless steel, brass or gold: they are all manufactured with maximum craftsmanship and precision.

Plastic		Metal	
ivory		aluminium	
white		stainless steel	
light grey		anthracite*	
black		dark*	
		chrome	
			gold-coloured
			gold-plated
			classic brass
			antique brass

\* (lacquered aluminium)

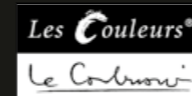
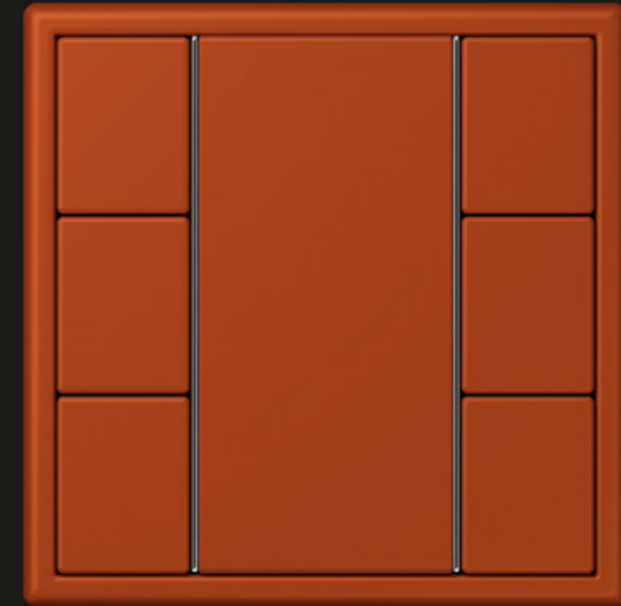




# Smart home in the colours of Le Corbusier

## WALL TRANSMITTER IN LES COULEURS® LE CORBUSIER

Worldwide exclusive in 63 colours



Le Corbusier (1887–1965) is considered to be one of the most significant architects of the 20<sup>th</sup> century. To this day, Le Corbusier's work has had a substantial influence on architecture and design. For Le Corbusier, colour was just as important as layout or form for his buildings and designs.

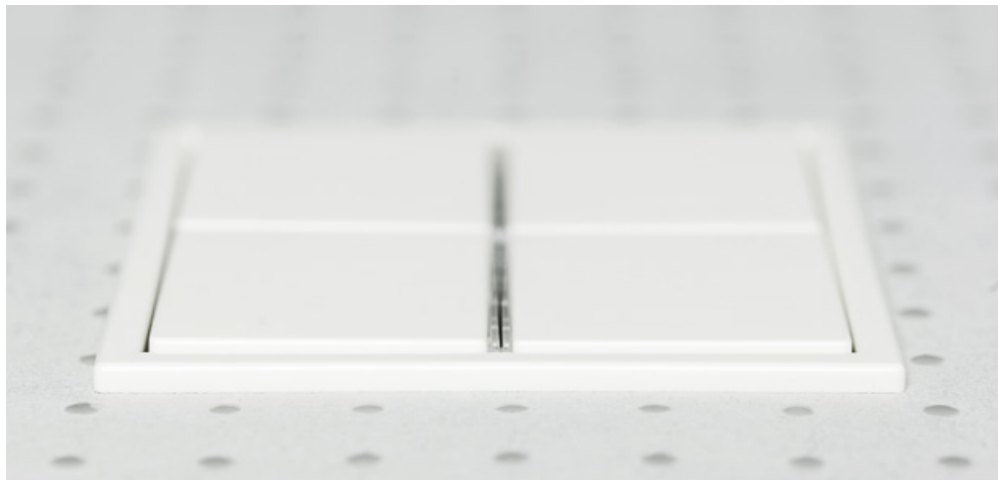


© FLC/Politteris 2014



## Consistently flush-mounted

Consistency in its smartest form: LS ZERO is the flush-mounted further development of the LS 990 classic switch. Masonry, dry wall or furniture installation – thanks to the planar installation, the control connects closely with its installation location. Unique and elegant in white, noble metal tones and the colours of Le Corbusier.



Flush-mounted or with a surface-mounted height of 3 mm for walls with wallpapers: LS ZERO is impressive in both variants.







### VillAma, Turku, Finland

Architect: Sigge Architects Viiva Arkkitehtuuri

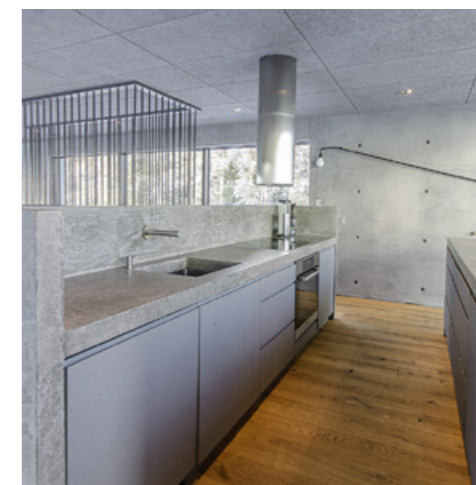
Photos: Vesa Loikas Photography

Equipped with JUNG KNX technology in the A creation design.

## Accented minimalism



Openness, brightness and transparency: these characterise the architecture of the Finnish VillAma.



Cool exposed concrete contrasted with warm wood set the tone and give the ambiance its own character.



Genuine materials: just as important a topic in architecture as in the JUNG switch design.



Focused on the essential and rounded off with accented details: JUNG KNX technology in A creation in the VillAma.

Intelligent technology and strong architecture do not need any unnecessary gimmicks. There are skilful details of their room in minimalism – for example to give the perfect framework to smart building technology. People worldwide are living in their completely personal dream house. With extra comfort thanks to JUNG KNX technology.



**PUSH-BUTTON F 40**

Simply press: large buttons for control of the building technology.

**PUSH-BUTTON F 50**

Buttons and design cover in one colour: room for design.

**ROTARY SENSOR**

As for a regular rotary dimmer: turn, press, initiate function.

**PUSH-BUTTONS BCU**

Looks like a usual switch; however controls smart KNX functions.

The individual well-being lighting in every corner of the house. A comfortable temperature all year round. And listening to favourite music in the entire house: can be regulated perfectly using the KNX sensors and room controllers in the design A creation. Whether

combined together in scenes or separately, using the desired functions is always child's play. Buttons marked with understandable symbols make the handling even easier: applied using the JUNG Graphic Tool ([jung.de/gt](http://jung.de/gt)) by laser engraving or colour printing.

**COMPACT ROOM CONTROLLER F 50**













## A creation: design accented smart technology

The design range A creation attracts attention. Progressive KNX technology achieves the perfect framework and an appropriate appearance.



## A creation: striking in material and colour

Colour meets materials. The design range A creation features an expressive design in nine colours. Designed in real glass or robust plastic, the A creation design frameworks form exciting accents.

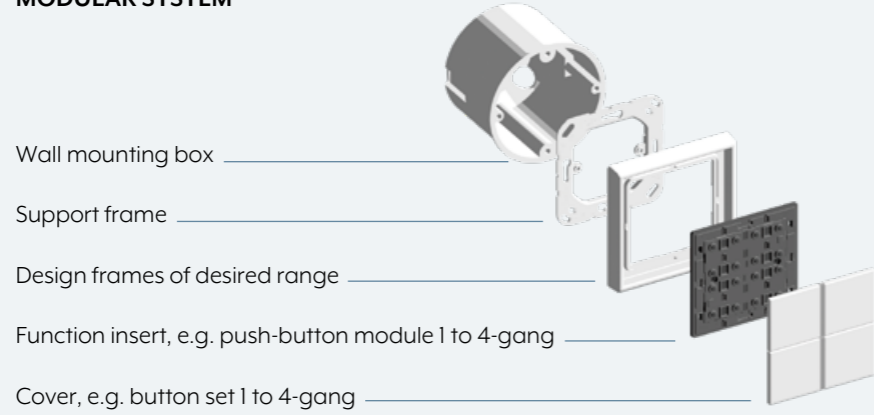
Plastic		Glass	
white		matt white	
matt anthracite		white	
aluminium		blue-grey	
black		black	
champagne		red	
mocha		silver	



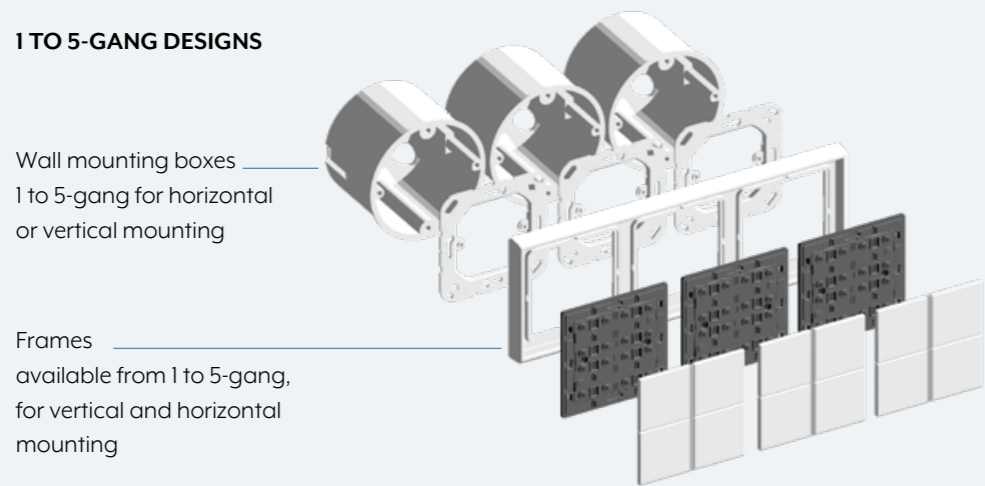


# Individuality gets smart

## MODULAR SYSTEM



## 1 TO 5-GANG DESIGNS



Smart living does not start just with the comprehensive interlinking but already much earlier. Namely when it is a matter of just as many controls being installed jointly at one place as you need. And in fact in the design that you like. With the JUNG modular system, up to five sensors in the switch design can be combined in only one frame. You have all

functions “ready to hand” at one place. The installation is always performed according to the same principle: Matching cover and frame in the same design are assembled and installed. The complex technology hidden behind this only shows itself in the functionality – however, it does not disrupt the elegant design.



### GRAPHIC TOOL



Laser engraving



Labelling

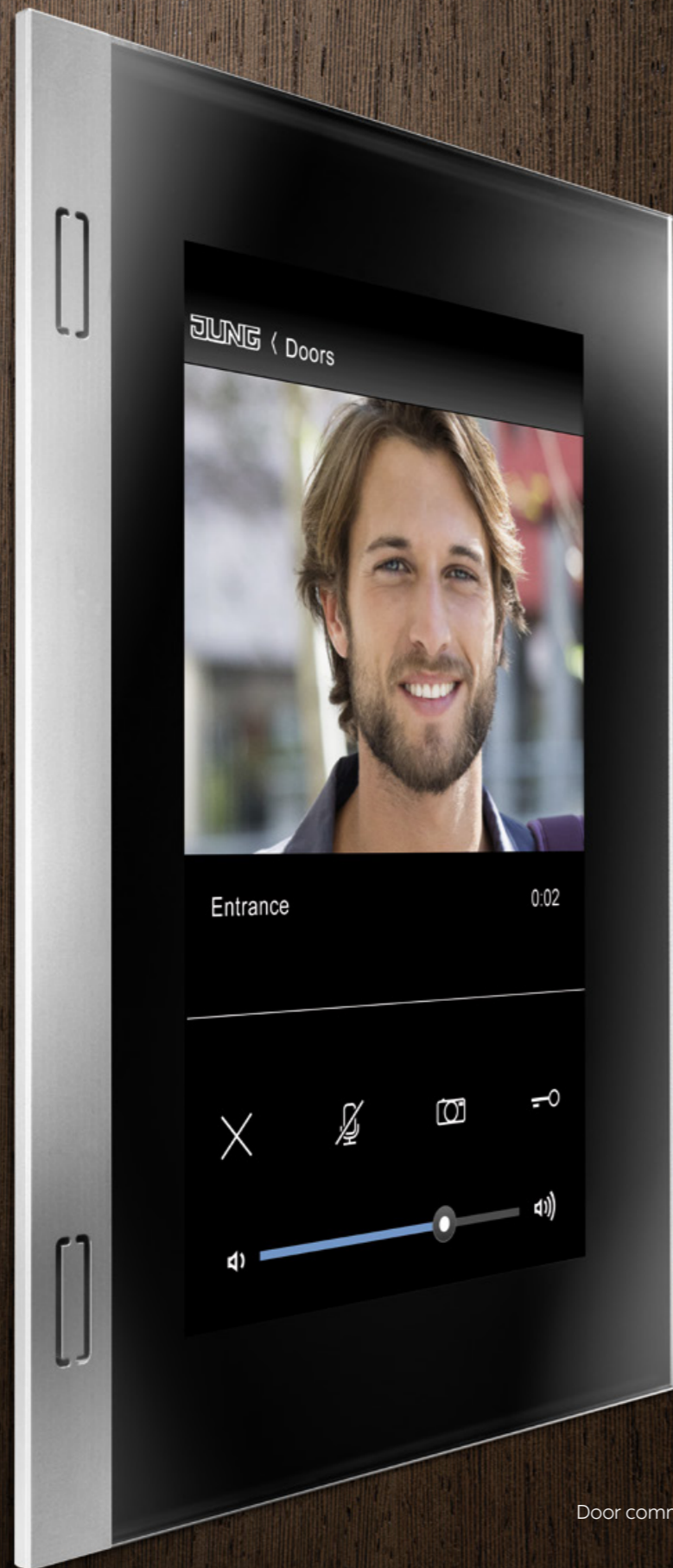


Colour printing



[jung.de/gt](http://jung.de/gt)





Door communication with the Smart Control 7

## Impressively visualised

A smart home is always just as individual as its inhabitants. With modern KNX technology, it supports you in everyday life and if desired shows its benefits at a glance. All rooms, functions and states are shown clearly using touch displays – and of course completely operated as required. And also on the move,

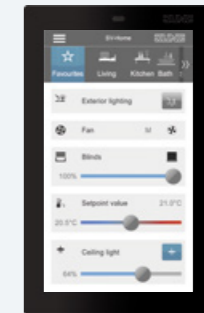
you can monitor and control your smart home at any time using your smart phone or tablet. The living room is pleasantly warm on-time for the evening, the bedroom remains pleasantly cool, the lighting matches the situation perfectly and the shutters move depending on the weather or time. Simply by tapping.

### SMART CONTROL 15



Clear operating panel for the whole smart building technology.

### SMART CONTROL 5



Compact and slim design; intuitive to use.

### SMART VISU HOME



Visualised using the Smart Visu Server, for operation with a smart phone.

### SMART VISU SERVER



The fast, intelligent solution for visualisation of a KNX installation.



# Smart door calls

A modern door intercom system belongs to every smart home. It brings extra convenience and security at the door. The JUNG indoor stations in combination with Siedle system technology demonstrate how modern door communication works.

**TWO SPECIALISTS, ONE SYSTEM**

The diagram illustrates a central 'SIEDLE Systemtechnik In-Home' unit connected to various door stations and a 'Smart Home' tablet. Below, two smartphones are shown connected via 'In-Home-Bus' (dotted line) and 'IP' (dashed line) protocols.

The use of Siedle system technology is the basis for the combination of Siedle door stations and JUNG indoor stations. The JUNG indoor communication stations are compatible with the door stations from Siedle and vice versa, via the In-Home bus with automated set-up by means of plug+play.

Design freedom with the indoor stations in the JUNG design: Vertically or horizontally, in multiple frames or separately from each other, the modular system enables installation as desired.

**JUNG MODULAR SYSTEM**

Video indoor station in Acreation

Audio indoor station in LS 990

Video indoor station in LS 990





## Life in the smart home: functions and applications

Live smarter with KNX: the lighting scene in the living room matches the well-being temperature perfectly. It stays pleasantly cool in the bedroom because the shutters automatically descend during sunlight. The favourite music can be heard in every room thanks to multi-rooming. Perfect when comfort becomes a matter of course. With intelligent building technology from JUNG.



### LIGHTING

Individual control of the indoor and outdoor lighting. Automatically, as needed and thus energy saving.



### BLINDS AND SHUTTERS

The automatic control of blinds and shutters including louver adjustment is regulated by sunlight. The control is performed centrally or decentralized.



### MONITORING/ALARMING

Sensors for monitoring windows and doors, central on/off controls and notification/alarm systems give a secure feeling.



### HEATING, VENTILATION, AIR CONDITIONING

Demand-based control of heating, ventilation and air conditioning ensure not only the individual well-being temperature but also a healthy room climate.



### MULTIMEDIA

Multi-rooming in the entire house, TV and entertainment systems and multimedia components are integrated in KNX.



### VISUALIZATION AND REMOTE CONTROL

Display and operate all states in your own home using touch displays. Also when on the move from smart phones and tablets.



**ALBRECHT JUNG GMBH & CO. KG**

P.O. Box 1320

58569 Schalksmühle

Germany

Phone +49 2355 806-553

Fax +49 2355 806-254

[international@jung.de](mailto:international@jung.de)

For sales contacts in your country see:

[jung-group.com/contact](http://jung-group.com/contact)

**JUNG-GROUP.COM**