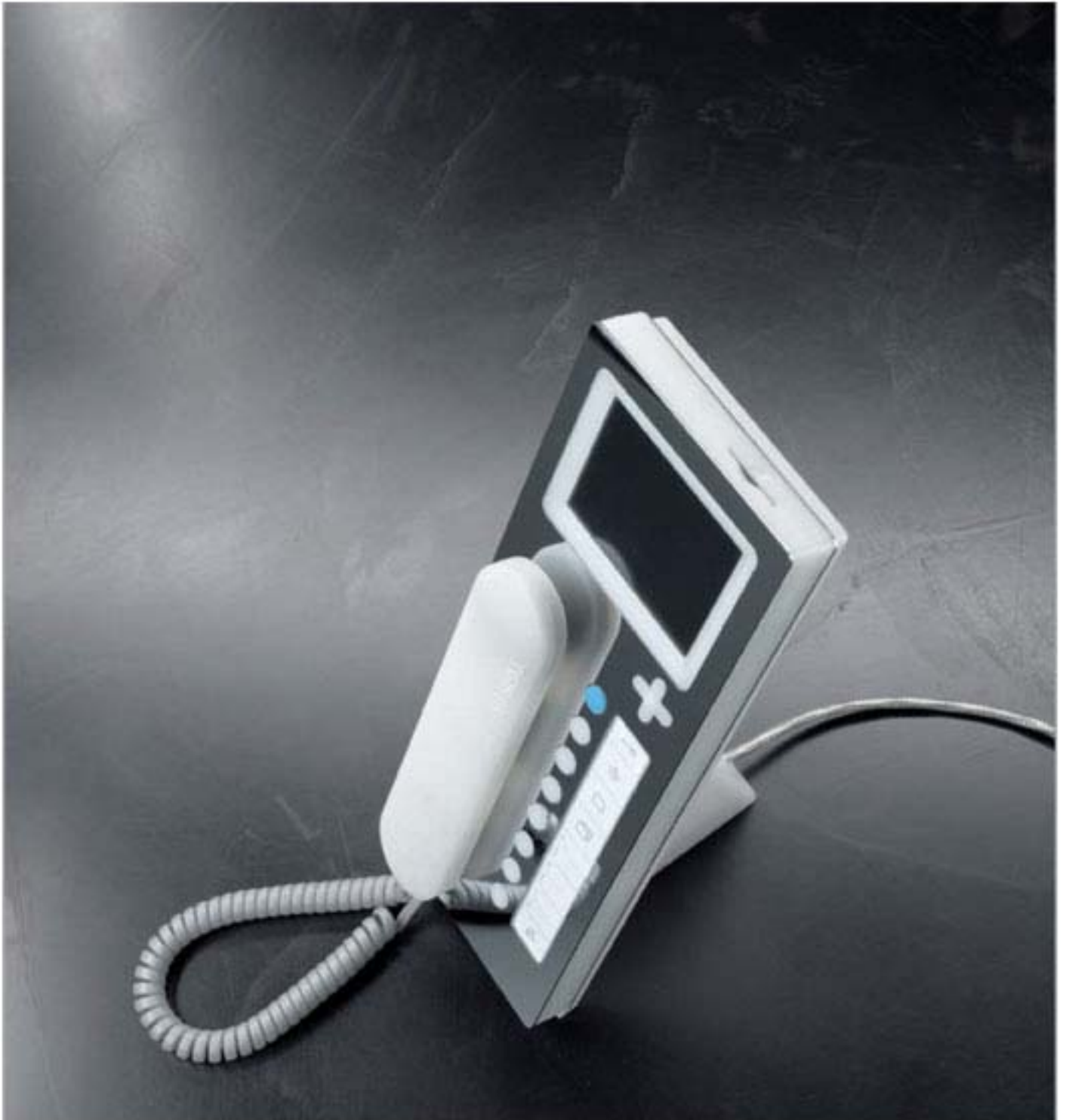


Siedle iDor Series



New
Siedle in-house telephones



The only things that have not changed are those we could not improve on: The tried and tested installation system, the outstanding transmission quality, the excellence of the workmanship and materials.

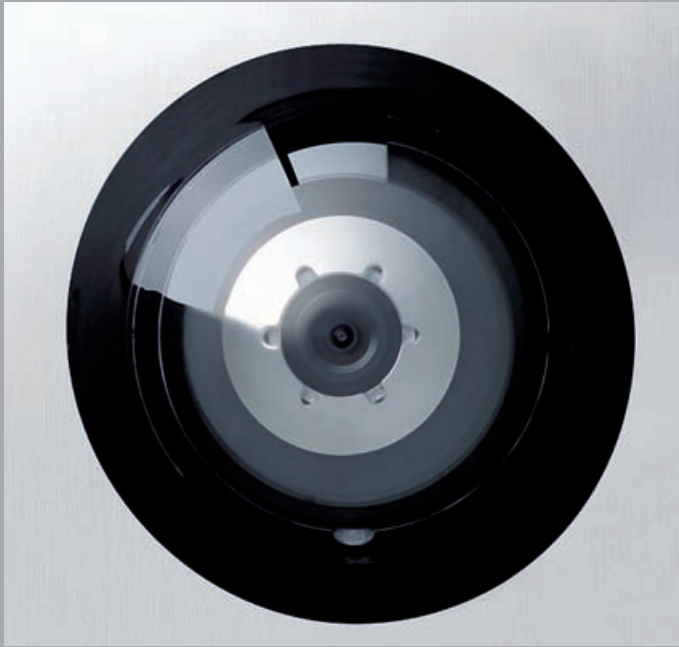
Otherwise practically everything about the new in-house telephone generation is new:

- Complete units instead of modular structured system telephones
- Considerably reduced effort involved in all work stages from planning through to installation
- Ultra-flat, compact dimensions
- Now only with colour monitors
- Handsfree function (beginning 2007)

- Automated commissioning due to plug+play technology in the In-Home bus
 - Externally adjustable call tone, volume and call silencing
 - Individual design: 12 executions as standard, non-standard equipment on request
 - Protection of units on building sites through intelligent preliminary mounting
- The new generation demonstrates that even the most successful design can be made better, more simple, more attractive. See for yourself from page 192.

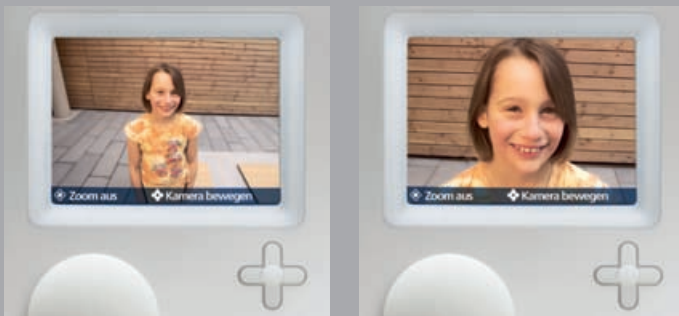
New

Video camera/External cameras



Less can be more: The new door camera is no longer fitted with a motorized drive system. Its wide-angle lens is manually adjusted during the initial mounting process, after which the camera supplies a fixed overall view of the entrance area. Without compromising any of its functions: Zooming and shifting the picture excerpt are now the responsibility of the software in the monitor. The new camera comes with a number of impressive new technical features such as real day/night switchover and outstanding picture quality under all kinds of lighting conditions.

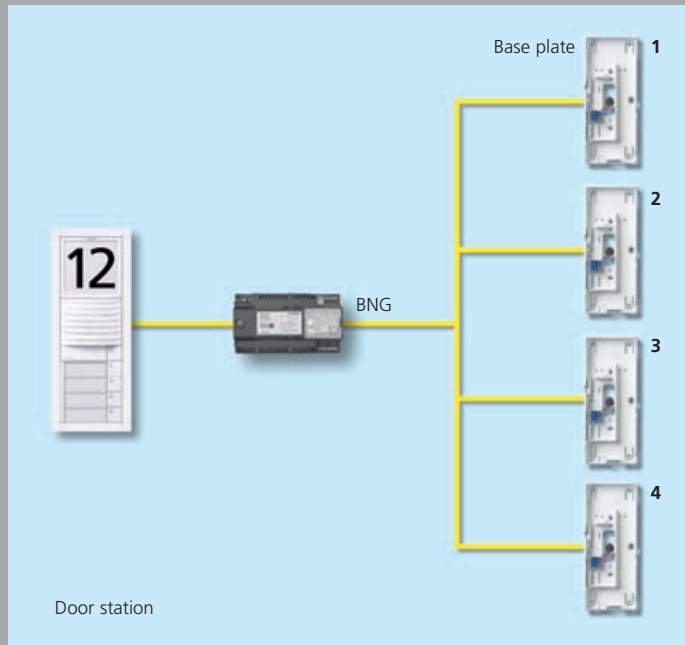
Less can be more: The camera used for the In-Home bus features the integrated bus video transmitter. The previously required supplementary module is now a thing of the past – and so no longer requires a separate order or takes up a space in the door station. Find out all about the benefits of the new camera (p. 35) and colour monitors (p. 192) in detail!



External cameras

Less can be more: Two new external cameras take the place of eight predecessor models. Without compromising on function or performance – because the new models are capable of far more. They score points with features such as variable depth of focus, fine resolution and extreme sensitivity under all kinds of light conditions. For more details of Siedle cameras for outdoor use, see page 236.

New
Plug+Play: Automatical programming



The term "Plug and Play" hails from the computer sector to denote hardware that can be simply plugged in and recognized automatically – without the need for configuration or programming. Precisely the same is meant by the term at Siedle. You now no longer need anything to help you program and commission an In-Home bus system* with the new components – no assistant, no special know-how, no PC, no other devices. Not even tools.

* This applies the assignment of the in-house telephones to the call buttons. Extensions of the basic functions e.g. parallel call or switch and control functions can be programmed in addition manually or by PC.



1. The installer mounts and wires the door station, distributor and supply devices and the base plates of the in-house telephones.

2. He presses the programming button for five seconds at the line rectifier. The system is now in the programming mode.

3. The installer now goes through the apartments and clips the terminals onto the base plates. Without using tools. Every new call station logs into the system and is programmed to the next free call button. Automatically.

4. Finally, the installer presses the programming button at the line rectifier again. Ready.

New
Vario call button modules/lighting



The first new feature of the call button modules cannot possibly be overseen: A bigger bell symbol for improved recognition. The second new feature cannot be overheard: An acoustic feedback with every pressed button. And the third new feature is not noticeable from the outside at all: internal preparation for automatic commissioning with plug+play. Model and system-dependent details are provided from page 32.

The call button modules and the Info module will be shown up in a better light in future, with long-life, energy-saving LEDs used as a light source for the backlit Vario modules. In contrast to the incandescent bulbs used previously, their white, wide-coverage light blends in to perfection when door stations are fitted with an ambient light, surface area light or halogen spot.



New in 2006

- Integrated completed devices
- Compact dimensions
- Simple pre-assembly
- Toolless end mounting
- Simplified installation
- Plug+Play: Automated programming
- All monitors with colour display
- Hands-free stations
- Status LEDs (model dependent)
- Siedle-Individual: 12 decor variants

Siedle in-house telephones

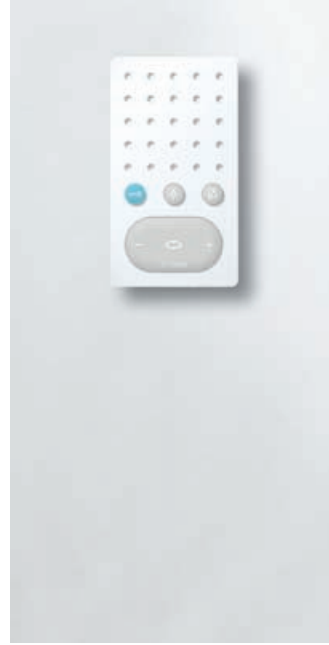
Model overview



In-house telephone standard



In-house telephone comfort



*Hands-free in-house telephone standard **



table-tops

New in 2006
The dimensions and structural styling used for both installation systems are identical. The models for the In-Home bus are also supplied as shown in the form of complete devices and do not require any further adapters or modules.

Note:
Certain details of the control buttons differ in the devices for In-Home bus and 1+n technology. These are not taken into consideration in the overview (see next chapter).
Available from Mai 2006

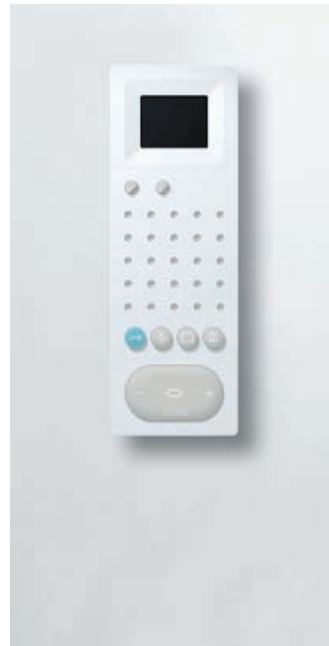
* Standard Hands-free stations are In-Home bus, available beginning 2007



Standard in-house telephone including colour monitor 2,5 inches



Comfort in-house telephone including colour monitor 3,5 inches



*Standard hands-free in-house telephone including colour monitor 2,5 inches**



table-tops

Siedle-Individual White



The neutral basis: The call stations in white are unobtrusive and blend subtly into any furnishing style – even after renovation and a change of wallpaper. New occupants will not be disturbed by the colour choice of their predecessors. The impression of graceful subtlety is underpinned by the slender proportions and clear-cut, timeless design.

The housing and receiver are made of pleasant-to-the-touch, impact-resistant antistatic plastic. The semi-transparent (translucent) operating buttons simplify handling by providing a slip-proof surface.

The material is UV-resistant, and so protected against ageing and discoloration.

Depending on the model, a few, several or all the buttons are backlit by coloured programmable LEDs.



Siedle-Individual
Metall



All the decor variants above and beyond the basic version white are highly expressive in character and quite the opposite of neutral. The call station cannot help but draw the eye, featuring coloured panelling at the front and rear. The choice of panelling and surface treatment determine the character and appearance of the unit. The housing, receiver and buttons are translucent. Metal surfaces radiate permanence, elegance and sophistication – all attributes which make them an object of desire in almost every area of our lives, from our bathroom to the cockpit of our car. Why should in-house communication be any different? Siedle telephones radiate cool elegance in glass bead blasted stainless steel, in

silver anodized aluminium, in high-gloss chrome plating – or in the ultimate luxury of gold plating.



*Top left and down right: stainless steel chrome
Centre left: silver anodized aluminium
Centre right 3 pictures: stainless steel
nature glas bead blasted
Down left: stainless steel gold-plated*

Siedle-Individual Paintwork



Colours open up a world beyond the ordinary – and who wants to be satisfied with ordinary? Many end users certainly do not. For them, we offer the perfect solution: A high-gloss or silk paintwork finish on the 1 millimetre thick stainless steel panelling. The multiple coat process used ensures a lush, durable paintwork finish. We will be pleased to quote you for paintwork finishes in any optional shades not covered by the five standard colours. For example to match the car, the piano or the corporate logo: After all, companies too have their own individual identity which is expressed in colours.



Paintwork finishes from stock
Top left: Signal orange RAL 2010
Centre left: Light grey RAL 7035
Top right: Black silk
Down left: Deep black RAL 9005
Down right: Ruby red RAL 3003

Siedle Individual Overview



White
Housing and receiver in white plastic,
operating buttons translucent
Order code: ... W
(Example: HTS-811-0 W)



Stainless steel
Panelling in glass bead blasted stainless
steel, natural finish; Housing, receiver
and operating buttons translucent
Order code: ... E



Deep black
Panelling in stainless steel with high
gloss paintwork finish in RAL 9005;
Housing, receiver and operating buttons
translucent
Order code: ... SL



Aluminium
Panelling in anodized aluminium;
Housing, receiver and operating buttons
translucent
Order code: ... A



Soft black paintwork
Panelling in stainless steel with paint-
work finish in soft black; Housing, recei-
ver and operating buttons translucent
Order code: ... SSL



Chrome
Panelling in polished * stainless steel,
galvanically chrome plated; Housing,
receiver and operating buttons translu-
cent
Order code: ... EC



Light grey
Panelling in stainless steel with high
gloss paintwork finish in RAL 7035;
Housing, receiver and operating buttons
translucent
Order code: ... GL



Gold
Panelling in polished* stainless steel
with real gold plating; Housing, receiver
and operating buttons translucent
Order code: ... EG

* Rear panelling not polished



Ruby
Panelling in stainless steel with high
gloss paintwork finish in RAL3003; hou-
sing, receiver and operating buttons
translucent.
Order code: ... RL



Wenge
Panelling in precious wood veneer**,
open-pored seal finish; Housing, recei-
ver and operating buttons translucent
Order code: ... HW

** Rear panelling in stainless steel with
paintwork colour finish to match the
wood



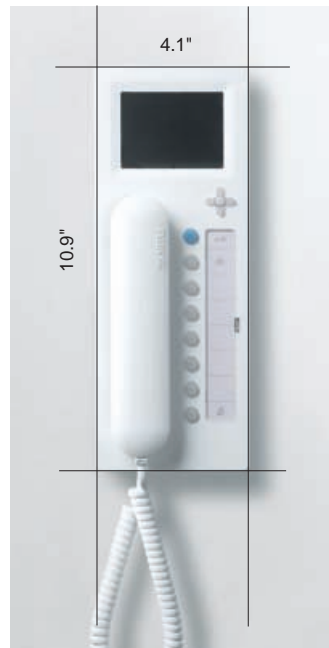
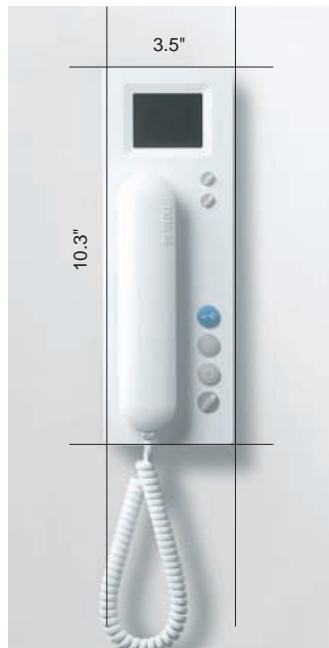
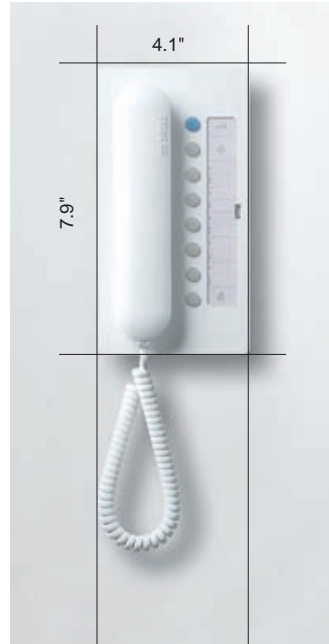
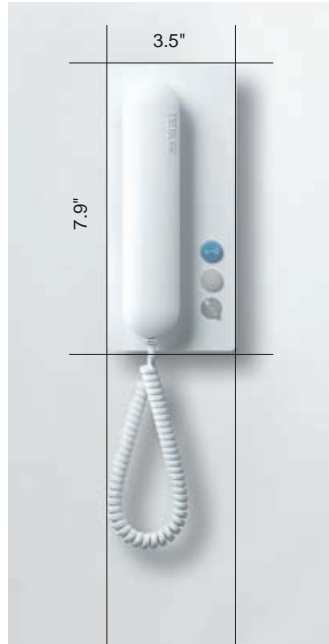
Signal orange
Panelling in stainless steel with high
gloss paintwork finish in RAL 2010;
Housing, receiver and operating buttons
translucent
Order code: ... OL



Bamboo
Panelling in precious bamboo veneer**,
open-pored seal finish; Housing, recei-
ver and operating buttons translucent
Order code: ... HN

** Rear panelling in stainless steel with
paintwork colour finish to match the
wood

Siedle in-house telephones Dimensions



Whether with or without monitor: Siedle in-house telephones for a slimline fit, adding a thickness of less than three centimetres – making them far too attractive to be hidden away in the wall. With these dream dimensions, there is no need for the mess and inconvenience of flush-mounting.

In terms of their length and width, too, these telephones are designed for perfect proportions to match their slim appearance. As every mobile phone user knows only too well, there comes a point where too much miniaturization detracts from operating convenience. Siedle telephones neither have to fit in your pocket, nor are they limited to certain dimensions for technical reasons. Their design is oriented purely and simply to human measurements - for instance the distance between ear and mouth, the width of a gripping hand or the diameter of a finger tip. The receiver, buttons, monitors and inscription fields are scaled to ensure their safe, simple use – even by the elderly.

Siedle in-house telephones Size comparison/preliminary mounting



A comparison with predecessor models clearly illustrates the degree of integration achieved by the new telephone series. As complete units, they substantially reduce the effort involved in storage, planning, order placement and mounting.

The difference is particularly noticeable in the video models for the In-Home bus (right), in

which three individual modules (and purchase order items) have now been integrated into a single unit – coupled with improved functional scope and simplified installation.



1. Preliminary mounting: While the building site is in full swing, only the base plate is screwed into place and the wiring carried out.



2. Final mounting: Only once the rough, dirty work has been completed and site cleared does the electrician clip the terminal onto the prepared base plate.



3. Plug in the receiver cord, position the receiver – ready. When installing a bus telephone, plug+play technology even automatically takes care of programming.

Preliminary mounting

Because Siedle in-house telephones were developed for tough practical application on the building site, the mounting process is divided into three steps. While allowing the basic installation to be performed at a very early stage, the sensitive housing – which may be in a high-gloss paintwork or gold plated finish – and the electronic circuitry only need be mounted right at the end of the construction work. Cutting out the risk and the dirt – and also without the need for tools.

TIP: Point this benefit out to your clients – it also applies to any subsequent renovation work.

Siedle in-house telephones Table-top version



All the models can be transformed quickly and simply into table-top units by mounting a table-top foot with connecting cable. The difference between the two versions reflects the requirements of ergonomics. Telephones without a monitor are positioned at an angle of 5 degrees by a plate mounted at right angles – the ideal position for a hand to grip the receiver or a finger tip to press buttons. By contrast, the colour monitors of the video versions require a greater incline to ensure optimum legibility of the display.

Overview of table top accessories

models	dimensions W/H/D mm	table-top accessory	connection box by customer
in-house telephones 1+n technology			
HTS 811-...	3.5" x 7.9" x 1.8"	ZTS 800-0	UAE 8
HTC 811-...	4.1" x 7.9" x 1.8"	ZTC 800-0	UAE 8/8
HTSV 811-...	3.5" x 10.3" x 1.8"	ZTSV 811-0	UAE 8
HTCV 811-...	4.1" x 10.9" x 1.8"	ZTSV 811-0	UAE 8/8
in-house telephones Siedle In-Home-Bus			
BTS 850-...	3.5" x 7.9" x 1.8"	ZTS 800-0	UAE 8
BTC 850-...	4.1" x 7.9" x 1.8"	ZTC 800-0	UAE 8
BTSV 850-...	3.5" x 10.3" x 1.8"	ZTSV 850-0	UAE 8
BTCV 850-...	4.1" x 10.9" x 1.8"	ZTSV 850-0	UAE 8

Siedle in-house telephones

Details



Variable

Programmable keys with status LEDs (model dependent) can be assigned frequently used switching and control functions and individually inscribed. If the default assignments for "light" and "call silencing" are retained, up to ten functions can be programmed using five buttons with double assignment. If light and call silencing are not required, up to fourteen different functions are possible. Pressing the button once initiates the first, pressing twice initiates the second function. The relevant LED indicates the switching status: In the example shown here, the Doormatic function is activated.



Slip-proof

The bottom edge of the table-top version feet is made of slip-inhibiting material. In addition, the table-top units rest on rubber stoppers which are inserted in the mounting holes of the housing.



Concealed

A sealing plug protects the cable connection. Its rounded styling adds to the design harmony of the receiver.



Control of the garage door has been implemented in this example with a double assignment. Pressing once opens the garage, pressing twice closes it. The LED can also be programmed. In this case, it indicates the opened door.



Upgradeable

The deluxe telephones with monitor are equipped with a memory for up to 28 pictures. Customary SD memory cards can be used to upgrade the capacity to a maximum of 256 pictures and to transport the stored pictures where required to a PC, where the pictures can be stored and edited.



Silenced

The call tone volume and call silencing can be regulated from outside in all models. In the bus telephones, a continuous red LED indicates activated call silencing, a flashing LED indicates an incoming call (above). The models for 1+n technology regulate the volume by means of a rotary controller. The zero setting corresponds to call silencing (below).



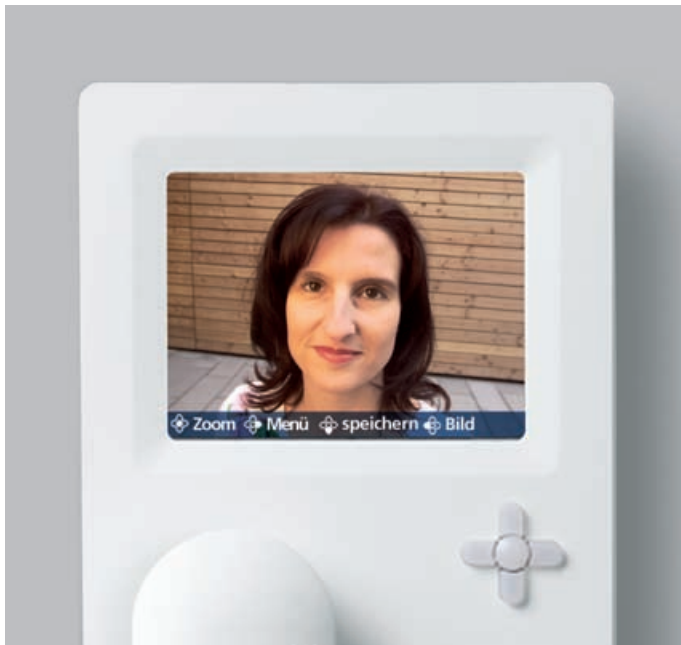
Consistent

The housing panels are not made of imprinted film, but real stainless steel, aluminium or wood. If they are painted, coated or gold plated, the edges are also treated accordingly. To achieve a symmetrical structure, and underpin the high quality of the design, the back of the housing is given the same surface structure as the front*.

* Exception: For technical reasons, wood veneers can only be applied on the front. The back is finished with a painted stainless steel panelling with a coloured finish similar to wood.

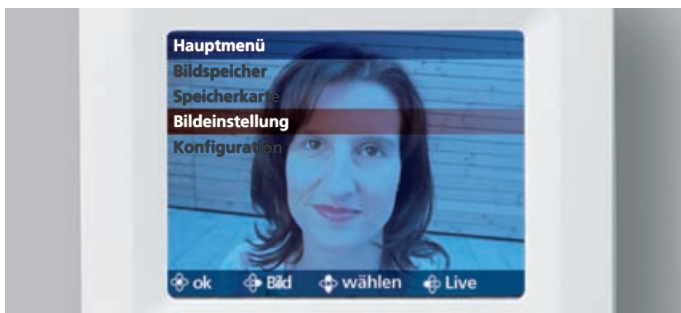


Siedle in-house telephones Menu functions and operation



The deluxe telephones with monitor can do far more than simply display pictures. Behind the neat, uncluttered user interface is a wealth of complex functional features which only appear when required – and are amazingly simple to operate: The cross-shaped control element is used to access the menu system. With its four direction keys and input button, it navigates through the display on the screen, leaving the video image visible and so allowing the user to immediately view the effect of the different settings. A status line at the bottom of the screen provides situation-dependent (context-sensitive) information and instructions, so eliminating the need to consult the instruction manual.

Alongside picture control and device configuration, the contents of the video memory are also managed in the menu. Every time the call button is actuated, the memory archives a picture of the entrance area. It can alternatively or additionally be actuated manually. A standard commercially available SD memory card (accessory) extends the capacity of the internal memory and allows the pictures to be transported to a PC if required.



Main menu

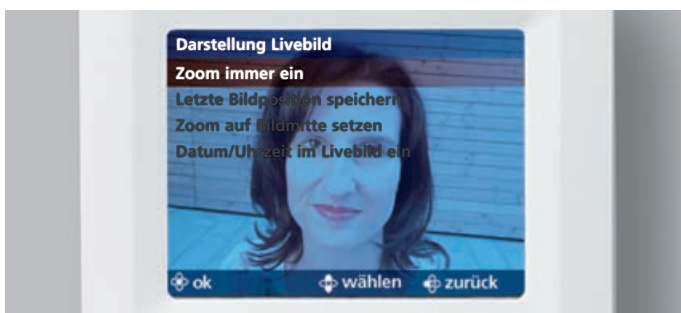
Pressing the right-hand button of the control element opens the main menu. If an image is displayed at the time, it remains visible. The upper and lower button navigate through the menu points, while the central input button opens the highlighted submenu.

Note: The menu language can be changed as required. Available languages are German, English, French, Italian, Dutch Danish and Swedish.



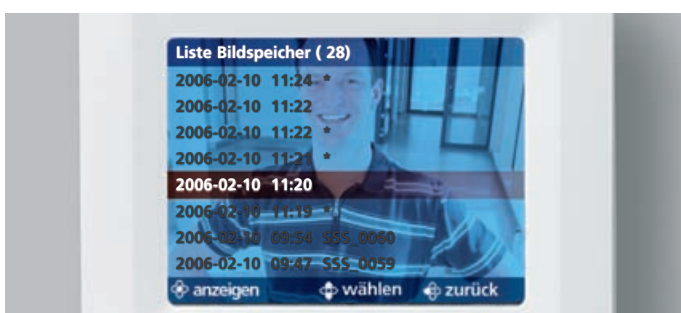
Submenu "Picture setting"

The submenu offers additional options which are also navigated through using the direction buttons. The input button opens the highlighted point.



Option menu "Depiction live picture"

Here, the user can adjust the depiction of the camera picture according to preference. The selected zoom level and the position of the picture extract are saved and restored every time the monitor is activated. This setting is individually selected and saved for each monitor.



Video memory list

The internal memory and an optional memory card can be reached directly from the main menu. Using the list, the stored pictures are selected and accessed as required.

Siedle in-house telephones Picture control



If the menu system is not activated, the control element is used to select the picture extract. Unlike former device generations, actuating the swivel, tilt and zoom functions does not cause a mechanical movement of the camera. The image extract is enlarged and shifted by the software in the monitor in a similar way to a digital camera. Thanks to the highly developed camera and display technology used, this does not in any way compromise quality, but instead offers a range of benefits:

- No sensitive mechanical components in the camera
- No control signal over the bus line
- Fewer cores for 1+n technology
- No time delay in responding to control commands
- Camera activity imperceptible from outdoors
- No camera adjustments left by previous users when switching on

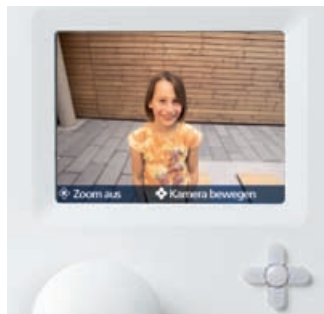
The last point is of particular significance in multiple family homes and residential complexes. The camera at the entrance does not need to be moved, but provides an overview over the entire entrance area. Despite this wide range, details and individual picture excerpts can be viewed. These adjustments are made not by swivelling the camera but solely by adjustments made at the monitor. The camera and the settings of other monitors remain unaffected.



Overall picture

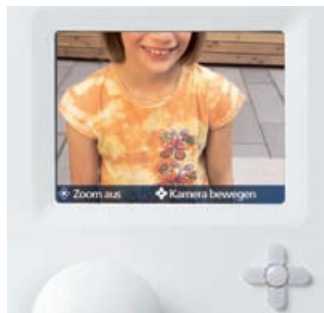
The installer adjusts the video camera only once when commissioning the system to ensure that the picture covers the entire entrance area. Individual picture control is performed at the monitor.

In its basic setting, the monitor displays the camera picture.

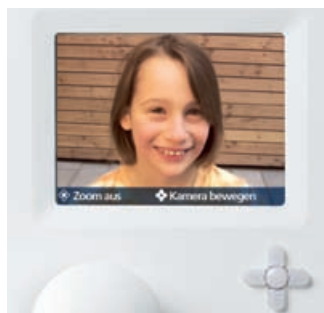


Zoom

The input button at the centre of the control element ...



enlarges the picture excerpt,...



Picture position

... the direction arrows shift the focus of the picture to the required area. Using the function menu, this selection can be permanently set if required. Otherwise, when next activated, the monitor returns to the basic setting.

Siedle in-house telephone systems

System selection

**The specialist decides!
But always on a project-related basis!**

Siedle offers two systems for new installations: Wire-saving 1+n technology and the modern In-Home bus. Each of these has its own specific strengths and benefits, but both offer scope for practically every conceivable requirement in the field of in-house communication. The choice of which system should be used in preference

for a concrete application can only be decided by an electrical specialist after appraising the site. The tables and diagrams on these pages are designed to help you make this decision. If you still have unanswered questions, please do not hesitate to contact your local Siedle representative or the headquarters in Furtwangen direct – we will be

pleased to help.

application area		
	1+n	In-Home-Bus
+ new installation		
- one/two-family house simple	++	+
- one/two-family house upscaled	+	++
- multi-family house simple	++	+
- multi-family house upscaled	+	++
- functional building	0	++
+ renovation/reconstruction		
- unknown wire quality	++	0
- existing bell system	++	+
- existing bell/door release system	+	++
- existing multi-wire system	+	++
	0	good
	+	better
	++	best

System benefits

1+n technology

- Low-cost maintenance/inspection
- High degree of servicing/inspection convenience
- Failsafe design: In case of a system failure in individual apartments, the remaining system generally remains up and running
- Fast, simple troubleshooting even in case of locked apartments, generally possible without problems from the door loudspeaker
- Devices can be exchanged without loss of programming
- Commissioning without programming effort

In-Home bus

- Low-cost installation
- High degree of installation reliability by polarity-free bus-technology
- Individual solution opportunities with a wide scope of functions
- Optimum flexibility in case of later function upgrades
- Commissioning by plug+play without programming *
- Comfortable system configuration, - documentation and more by PC software

* This applies the assignment of the in-house telephones to the call buttons. Extensions of the basic functions e.g. parallel call or switch and control functions can be programmed in addition manually or by PC.

System performance features Siedle-In-Home bus and 1+n technology

System performance features	Siedle-In-Home bus with BTS/BTC 850 BTSV/BTCV with colour monitor	1+n technology with HTS/HTC 811 HTSV/HTCV with colour monitor
Technology	2-wire bus technology	1+n installation
Wiring	Bus installation	Star formation installation
Exchangeable cores	•	–
Low current conductor	• (as per specifications)	•
Equipment Siedle in-house telephones		
Door release/light button	•	•
Audio privacy function	•	•
Storey call with call differentiation	•	•
Electron. call signal with call differentiation		
• Door call	•	•
• Storey call	•	•
• Internal call	•	•
Gong signal	BTC/BTCV	HTC/HTCV
Call silencing	•	•
Stepless volume control	•	•
Hearing protection	•	•
Video actuation and video privacy function	•	•
table mounting with accessories	•	•
System functions		
Stepless speech volume control	•on BTLM	•on TLM
Door release switching duration	fixed at 3 secs.	fixed at 3 secs.
Light actuation	no supplementary installation	no supplementary installation
Function		
• Door release	At any time	At any time
• Light	At any time	At any time
Parallel operation of in-house telephones/ BTC 850-0	max. 4 units max. 8 units with additional supply	max. 2 units in the side circuit max. 6 units with GC
Secondary signal		
• Own unit	• BNS	•NS
• Accessory to trigger outside signal	•	•
Storey door loudspeaker with call differentiation	•	• with HTC/HTCV 811
Internal communication	up to 31 units	up to 6 units
Switching/control function without supplementary installation in side circuit	•	with HTC
Display LEDs (via separate installation)	BTC/BTCV 850 8 pcs.	HTC 811 2 pcs.
doormatic-function	BTC/BTCV 850-...	
call transmission	BTC/BTCV 850-...	
Direct door dialling without door call	•	
Mounting and commissioning		
Programming necessary on		
commissioning	•	no
Unit exchange	•	no
Plug-Play programming	•	-
Programming support	acoustic	not required
One-man commissioning	•	•
Troubleshooting/inspection	decentral	central, usually from the door station
System upgrading		
No. of door stations	max. 225	max. 8
Switchover in multiple-door systems	without supplementary units	without supplementary units
Max. no of users	465	500
Speech channels (if appl. with suppl. units)	max. 15 (1 per line)	optional
Audio range (with 0.8 mm dia.)	300 m per line 900 m over all lines	500 m
Video range (with 0,8 mm dia.)	150 m per line 300 m over all lines	500 m
Total length of lines laid in the system	4500 m	2500 m
System interlinking		
Digital call input with code lock/ display module	• BIM requested	•RC requested
Combination with Siedle video	BTSV/BTCV	HTSV/HTCV
Connection to TC systems	• over DCA 650-.../DCI 600-...	• over DCA 612-.../DCI 600-...
Interlinking with Siedle Vario	•	•
Programming documentation on the PC	•	–

* These functions requires devices of the series:

- BTS/BTC/BTSV/BTCV 850-...,
 - BNG/BVNG 650-... as well as
 - BTLM 650-03 with
 - BTM 650-01 to BTM 650-04
 - CL A xx B-01, CL V xx B C-01
- or
- BTLE 050-03 with BRMA 650-01.