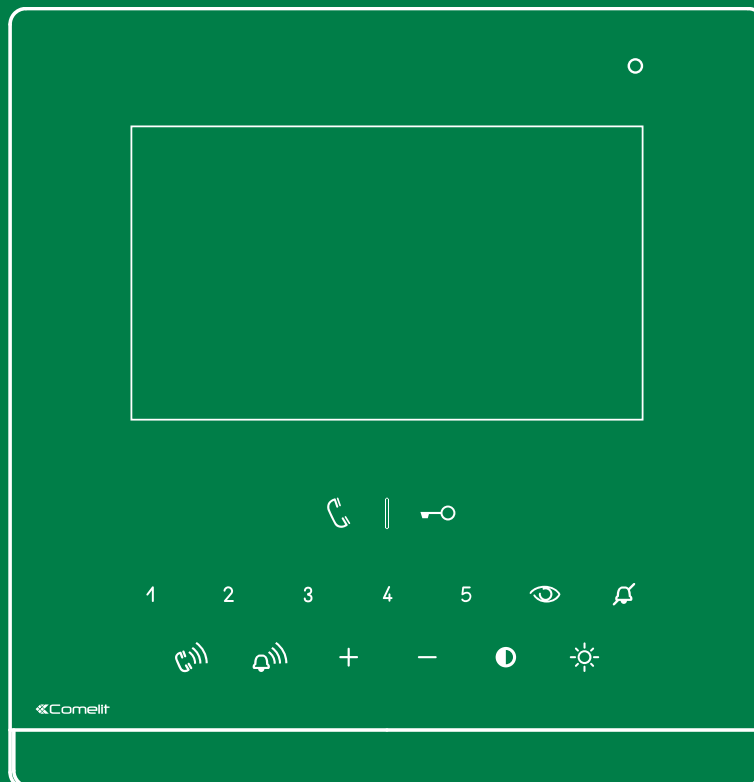


EN

TECHNICAL
MANUAL



Icona door entry monitor
Art. 6601W - Art. 6601W/BM

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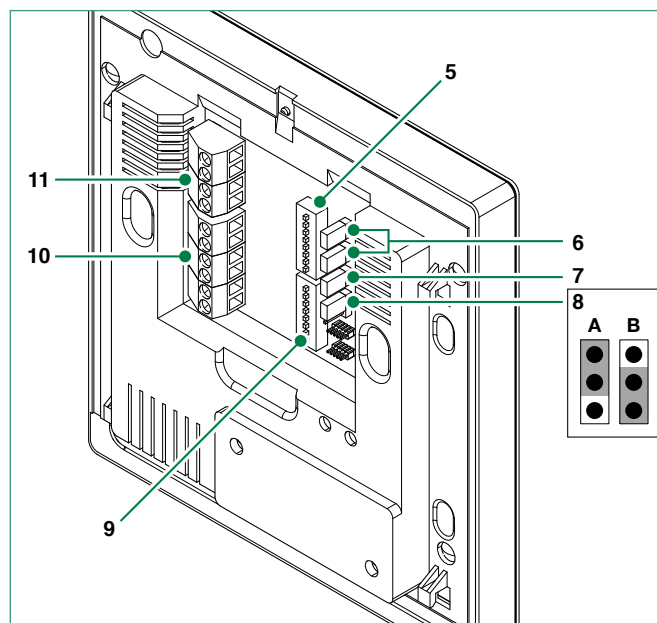
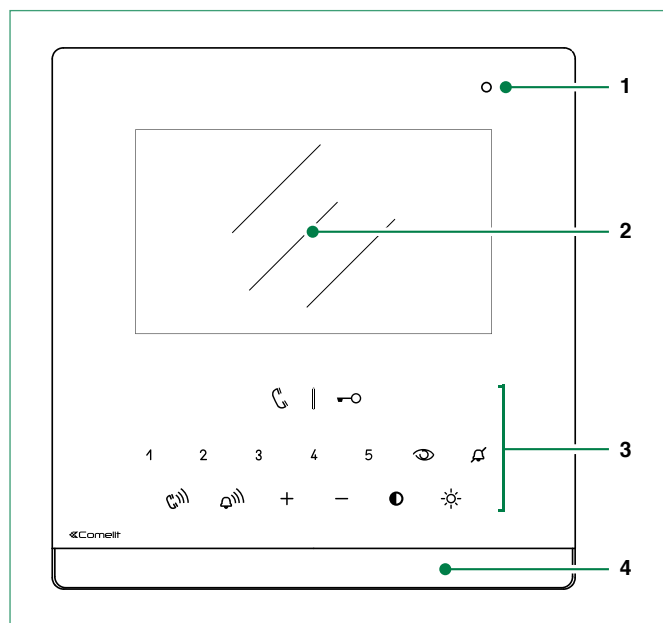


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Monitor description

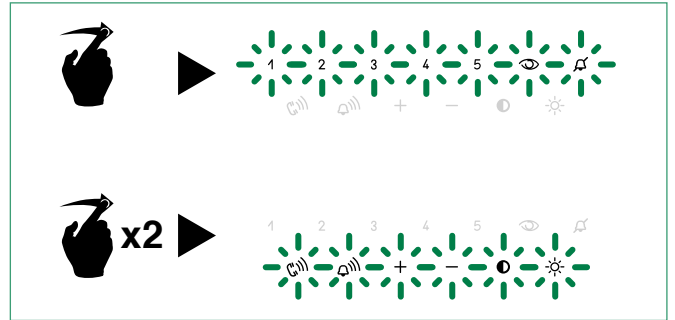
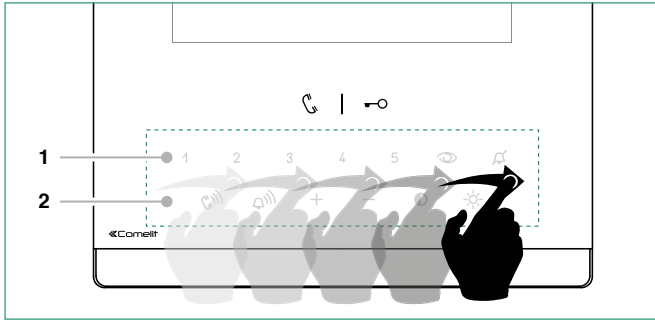
The Icona series is comprised of hands-free monitors that can be used in "Building Kit" (exclusively 2-wire), Simplebus Top and Kit Video systems

- Article 6601W is a colour monitor equipped as standard with 9 function buttons and 6 adjustment buttons.
- Article 6601W/BM is a colour monitor equipped as standard with 9 buttons, 6 adjustment buttons and an induction loop.



1. Microphone
2. 4.3" LCD screen
3. Soft-touch keys/LED
4. Loudspeaker
5. **S1** User code programming microswitches (see [Addressing table](#))
6. **CV1 CV2** remove in case of separate power supply.
7. **CV5** Jumper for video closure. In systems with more than one monitor connected in cascade, only the monitor furthest away must have CV5 closed.
8. **CV6**
 - position A** = contact IN1-IN2 > LED (default)
 - position B** = contact CFP2-IN1 > ALARM/LOCK-RELEASE/ACTUATOR
9. **S2** Microswitches for programming buttons and functions (marked with a red corner)
 - DIP 1-2-3-4** for button function programming
 - DIP 5-6** access to programming
 - DIP 7** for management of power supply voltage, see ["Power supply configuration and management"](#)
 - DIP 8** for main and secondary monitor setting, see ["Configuration of Main and Secondary internal unit"](#)
10. **M2** Terminal block for system connection:
 - CFP1 CFP2** Floor door call input
 - S+ S-** Call repetition device terminals
 - IN1 IN2** LED input (programmable)
11. **M1** Terminal block for system connection:
 - L L** Bus line connection terminals
 - +** Power supply terminals

Soft-touch key activation



- ▶ Swipe to enable function key row (1).
- ▶ Swipe to enable function key row (2).
- ▶ Press the desired key once to activate the function associated with it

Soft-touch key description



Wait for approximately 1 sec. before pressing the same key again. Pressing the same key several times in quick succession will cancel the command

- Audio key
- Lock-release key
- 1 2 3 4 5 Keys 1-2-3-4-5 (programmable)
- Self-ignition key (programmable)
- Privacy key
- Call volume key
- Ringtone volume key
- + - Value 'Up/Down' key
- Contrast key
- Brightness key

Indicator LED description

- Audio LED
 - steady** = audio enabled/hands-free function
 - continuous flashing** = call received
- Lock-release LED
 - 1 flash** = confirm lock-release
 - 4 flashes** = programming successful
 - 10 flashes** = programming error
 - continuous flashing** = door open
- Privacy LED - Doctor
 - 4 flashes** = device engaged
 - slow flashing** = programming
 - 3 flashes (every 5 s.)** = Doctor function enabled
 - steady** = privacy function enabled



The monitor Art. 6601W is designed for use in colour systems, in the SB2 section downstream of Art. 4888C, or in systems without mixer, such as the system with 2-wire KIT or Art. 1210.

Technical specifications

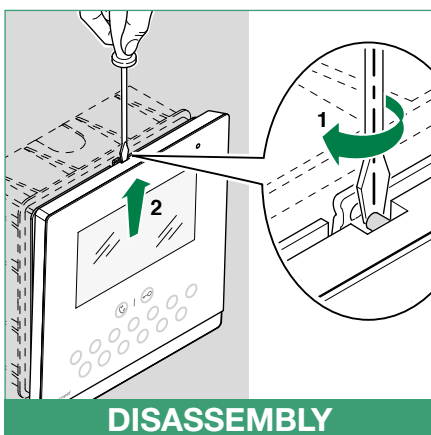
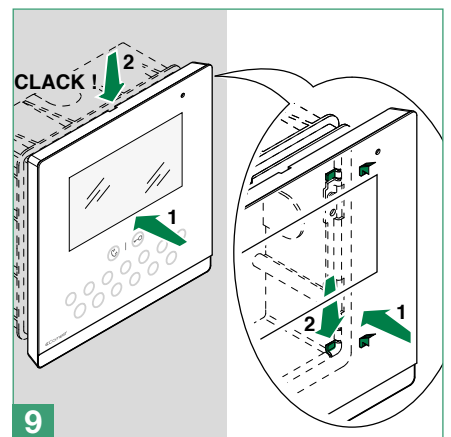
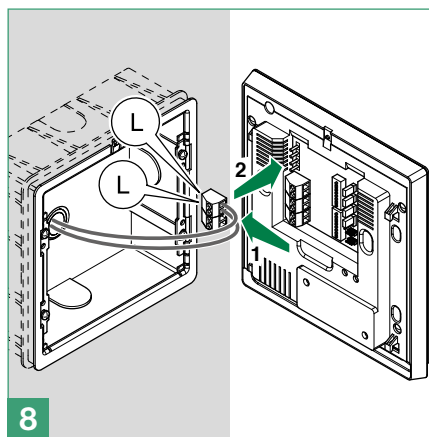
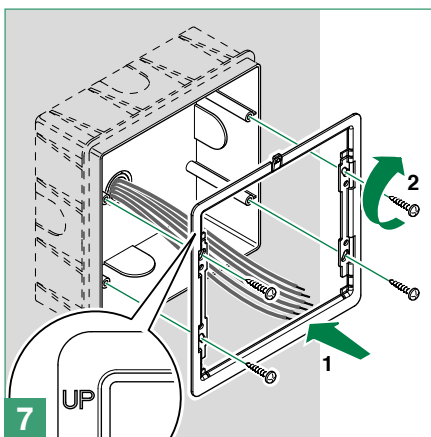
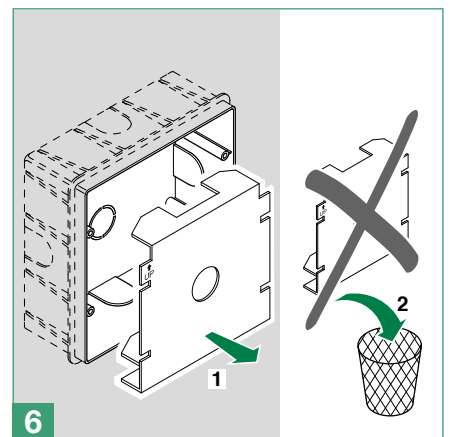
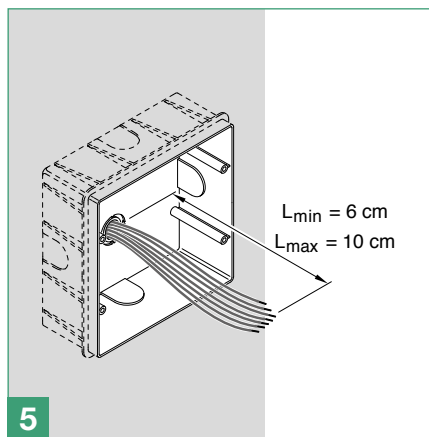
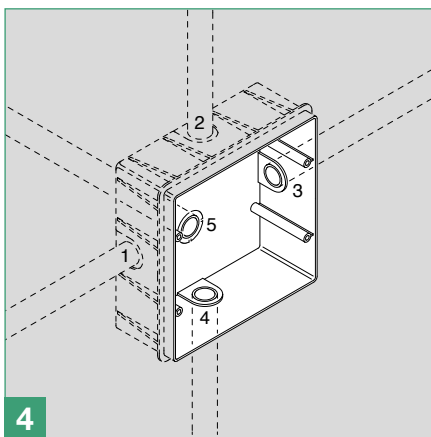
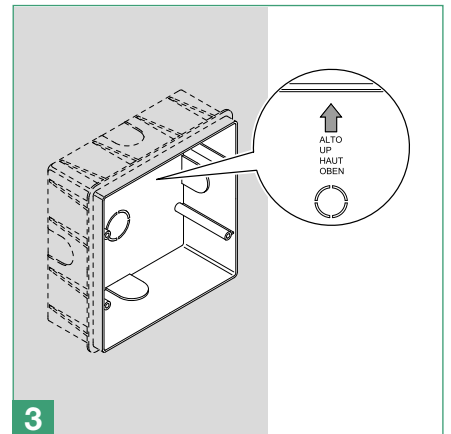
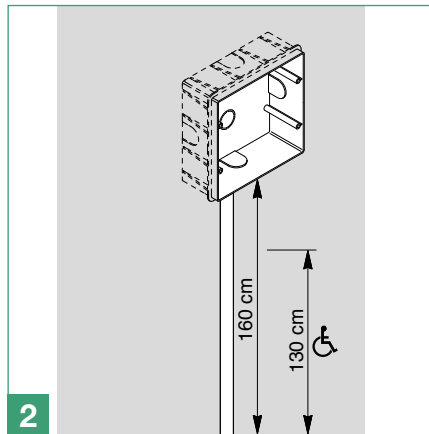
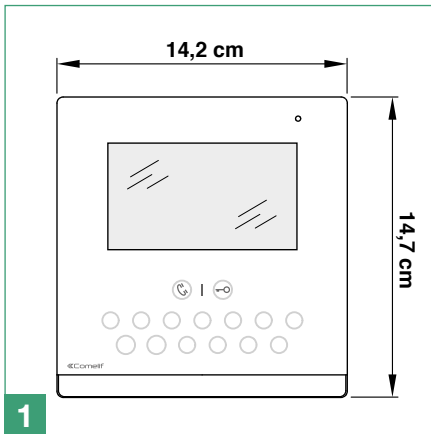
MAIN SPECIFICATIONS		
	6601W	6601W/BM
Flush-mounted	Yes	Yes
Wall-mounted	Yes	Yes
Desk base-mounted	Yes	Yes
Hands-free function	Yes	Yes
Induction loop	/	Yes
Type of display	LCD	LCD
Display size (inches)	4,3" 16:9	4,3" 16:9
Display resolution (H x V)	480 x 272	480 x 272
B/W or colour display	Colors	Colors
Product colour	White RAL9003	White RAL9003
Sensitive Touch technology	Yes	Yes
Total buttons	15	15
COMPATIBILITY		
Simplebus Top audio/video system	Yes	Yes
Building Kit audio/video system	Yes	Yes
Kit audio/video system	Yes	Yes
FUNCTIONS		
Actuator control function	Yes	Yes
Self-ignition	Yes	Yes
Switchboard call function	Yes	Yes
Priority calls	Yes	Yes
Intercom function	Yes	Yes
Selective intercom call	Yes	Yes
Call to multiple addresses	Yes	Yes
Call to group addresses	Yes	Yes
Call forwarding	Yes	Yes
Privacy function	Yes	Yes
Doctor	Yes	Yes
Redial	Yes	Yes
Floor door call function	Yes	Yes
Electronic bell	Yes	Yes
Customisable ringtone	Yes	Yes
Privacy conversation function	Yes	Yes
Key button function	Yes	Yes
HARDWARE SPECIFICATIONS		
Removable terminals	Yes	Yes
SETTINGS		
Loudspeaker volume control	Yes	Yes
Microphone volume control	Yes	Yes
Ringtone volume control	Yes	Yes
Display brightness control	Yes	Yes
Display contrast control	Yes	Yes

GENERAL INFO	6601W	6601W/BM
Product height (mm)	147	147
Product width (mm)	142,5	142,5
Product depth (mm)	23	23

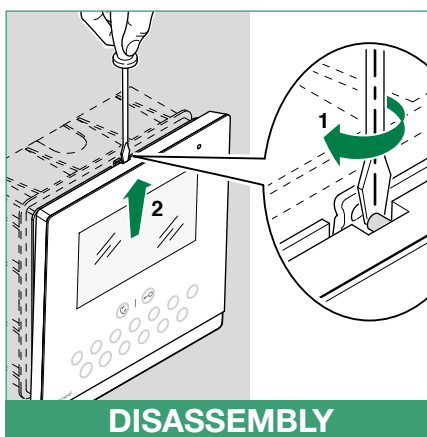
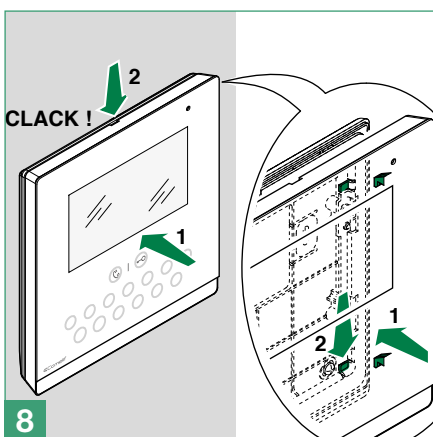
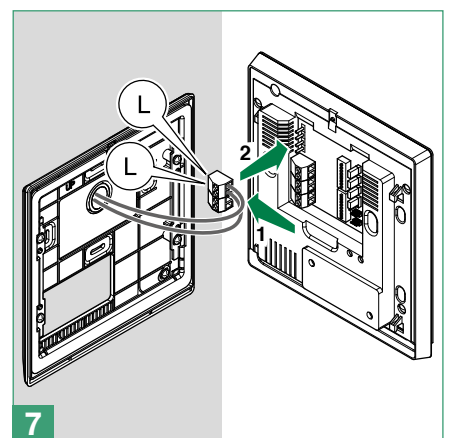
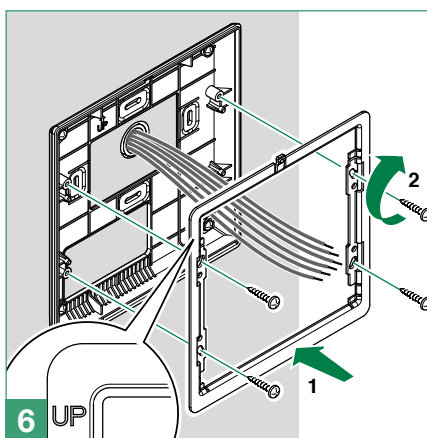
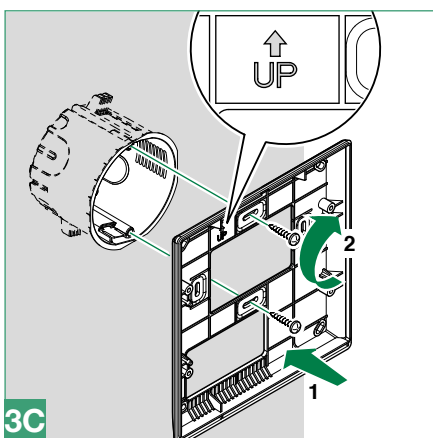
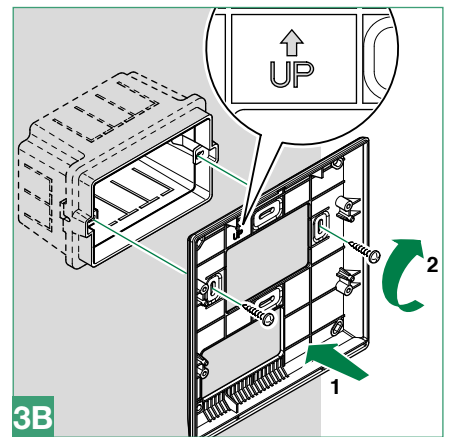
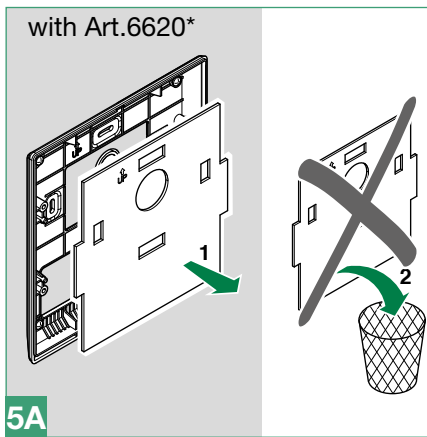
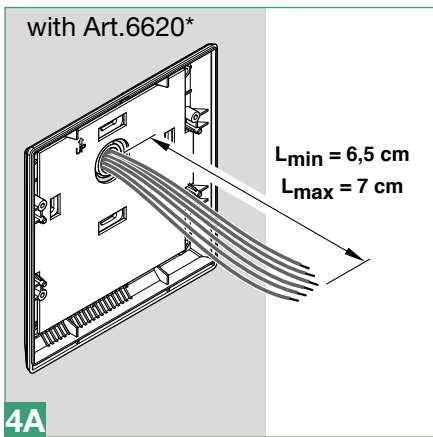
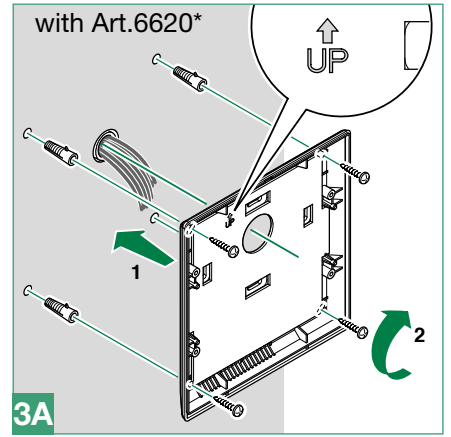
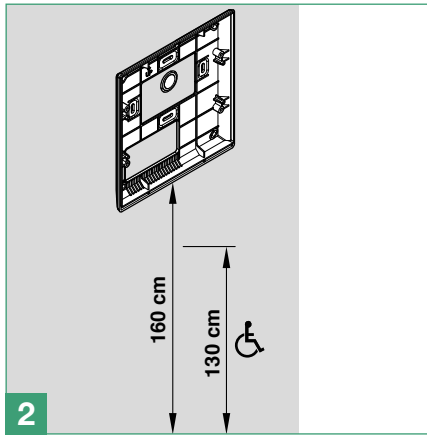
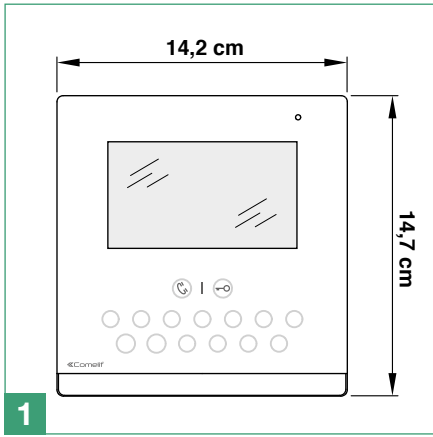
TECHNICAL SPECIFICATIONS		
Power supply voltage	22÷28Vdc	22÷28Vdc
Operating temperature (°C)	-5÷40	-5÷40
Relative humidity for operation	25 - 75 %	25 - 75 %
Clamps	L L - + CFP1 CFP2 S+ S- IN1 IN2	L L - + CFP1 CFP2 S+ S- IN1 IN2

Installation

Mounting the Icona SBC monitor on flush-mounted box Art. 6117





Wall-mounting (Art. 6620) / on 503 series box/round box









* Art. 6620 (optional)

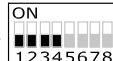
Monitor configuration

Legend	
0	DIP-switch OFF
1	DIP-switch ON
	Lock- release
	Audio
ACT	Actuator
AI	Self-ignition **
CCP	Main switchboard call [not for use in systems with KIT]
CCS	Secondary switchboard call [not for use in systems with KIT]
K	Guardian doorentry phone call
D	Doctor
PAN	Panic [not for use in systems with KIT]
INT	General or selective programmable intercom [general internal call as standard for KIT and Simplebus Top]
INTb	Two-family intercom [for KIT only]
NULL	No function
PROG	Programmed functions, see " Advanced monitor configuration ". In this DIP switch setting, the buttons control the programmed functions; the NON-programmed buttons control functions referred to on line 0000 (default).



** Press and hold to enable/disable the function

Standard configuration for soft-touch keys




DIP S2							P1	P2	P3	P4	P5
DIP 1	DIP 2	DIP 3	DIP 4								
0	0	0	0	AI			CCS	ACT	D	PAN	K
1	0	0	0	AI			ACT	INT	INTb	D	CCS
0	1	0	0	AI			INT	INTb	ACT	CCS	CCP
1	1	0	0	CCS			ACT	ACT	PAN	K	D
0	0	1	0	ACT	ACT		ACT	ACT	ACT	ACT	ACT
1	0	1	0	ACT	INT		CCS	CCP	INTb	PAN	
0	1	1	0	D	AI		K	CCS	CCP	INTb	
1	1	1	0	INT	INTb		AI	INT	PAN	D	
0	0	0	1	PAN	CCS		D	AI	INT	INTb	
1	0	0	1	CCS	K		PAN	CCP	AI	INT	
0	1	0	1	K	CCP		PAN	ACT	INT	AI	
1	1	0	1	CCP	PAN		CCS	K	ACT	D	
0	0	1	1	INTb	D		INT	ACT	AI	CCS	
1	0	1	1	INT	INT		INT	INT	INT	INT	
0	1	1	1	NULL	NULL		NULL	NULL	NULL	NULL	NULL
1	1	1	1					PROG			

Standard configuration for DIP switches 1-2-3-4 

Activation/deactivation Doctor function

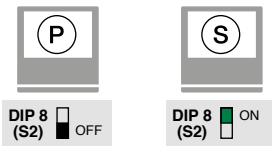
- ▶ Press and hold (4 s.) the programmed key (Default key 3)
 - » (ACTIVATION)  + 3 flashes every 5 s. 
 - » (DEACTIVATION) **BEEP**

Activation/deactivation Hands-Free function

- ▶ Press and hold (4 s.) on the audio activation key 
 - » (ACTIVATION)  + audio LED with FIXED ILLUMINATION
 - » (DEACTIVATION) **BEEP** +  LED OFF

Configuration of Main and Secondary internal units - DIP 8 of S2

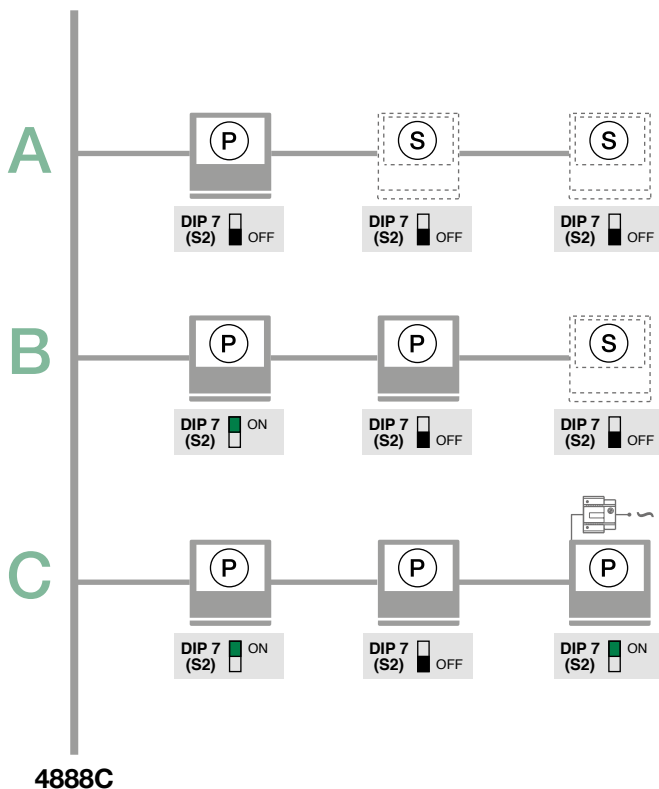
- ▶ To configure an internal unit as the main unit, set **DIP8** of **S2** to **OFF**.
- ▶ To configure an internal unit as a secondary unit, set **DIP8** of **S2** to **ON**.



In systems with Art. 1209 or Art. 1210, you can configure a maximum of 1 main monitor (+ 3 separately powered) while in systems with Art. 4888C you can configure a maximum of 2 main monitors (+ 1 powered separately).

Power supply configuration and management - DIP 7 of S2

- ▶ For correct power management, the **DIP** switch should be set in accordance with the type of system and its configuration:
 - **in systems with power supply units 1209 and 1210:** always set the DIP switch to **ON**
 - **in systems with power supply unit 4888C:** for secondary internal units, always set the DIP switch to **OFF**, for main internal units, follow the indications given in the examples in the figure below:
 - 1 main internal unit,
 - 2 main internal units,
 - 3 main internal units of which 1 is powered separately.



Advanced monitor configuration

Warning

If the default settings (see table [“Standard configuration for soft-touch keys”](#)) do not reflect requirements, the keys can be programmed differently by carrying out the steps below.

At the end, set S2 DIP switches 1-2-3-4 to the combination 1111 (PROG setting in the configuration tables [“Advanced monitor configuration”](#)). In this DIP switch setting, the keys control the programmed functions; the NON-programmed keys control functions referred to on line 0000 (see table [“Standard configuration for soft-touch keys”](#)). Restore the user code setting on S1, see [Addressing table](#).

Programming for intercom call



General intercom: function allowing calls to one or more internal units identified by the same call address as used by the external unit.

Selective intercom: function allowing calls to one or more internal units identified by a dedicated call address (see [table B](#)) which is different from the one used by the external unit.

General and selective intercoms CANNOT be used together on the same riser.

Programming/deleting intercom address (selective intercom only)



Take note of the S2, S1 setting and restore it when programming is complete

1)	2)	3)													
<p>Programming; set code, TABLE B</p> <p>S1</p>	<p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td><td>1</td></tr> </table> <p>S2</p>	1	2	3	4	5	6	0	0	0	1	1	1		<p>✓ OK Prog.</p> <p>x4</p>
1	2	3	4	5	6										
0	0	0	1	1	1										
<p>Cancellation</p> <p>DIP ON</p> <p>S1</p>	<p>S2 DIP</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1</td></tr> </table> <p>S2</p>	1	2	3	4	5	6	1	1	1	1	1	1		<p>✗ KO Prog.</p> <p>x10</p>
1	2	3	4	5	6										
1	1	1	1	1	1										

Selective intercom addresses

You must set the intercom address on all the riser's internal units.

You can assign the same intercom address to a maximum of 3 internal units.

For group calls, select the desired intercom codes simultaneously (max. 3).

TAB. B					
Code	DIP switch ON	S1	Code	DIP switch ON	S1
1	1		5	5	
2	2		6	6	
3	3		7	7	
4	4		8	8	

Programming buttons for intercom call

DIP S2													DIP S1	
DIP 1	DIP 2	DIP 3	DIP 4				P1	P2	P3	P4	P5	ADDRESS 12345678		
0	0	0	0											
1	0	0	0						INT	INTb				
0	1	0	0						INT	INTb				
1	1	0	0											
0	0	1	0											
1	0	1	0						INT				INTb	
0	1	1	0											INTb
1	1	1	0			INT			INTb		INT			
0	0	0	1										INT	INTb
1	0	0	1											INT
0	1	0	1										INT	
1	1	0	1											
0	0	1	1	INTb				INT						
1	0	1	1	INT			INT	INT	INT	INT	INT			
0	1	1	1											
1	1	1	1				PROG							

Example 1 - all systems (INCLUDING KITS!) - General intercom

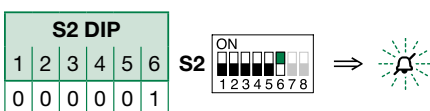
on a monitor with user code 5, P2 programming = general internal call, P3 = general intercom with address 9

Example 2 - Selective intercom

on a monitor with user code 1 and intercom address 1, P2 programming = selective intercom with address 2, P3 = selective intercom with address 3

1. Set S2 DIP switches 6 to the combination 1.

» the privacy LED flashes.



2. Refer to the table “Programming buttons for intercom call” and select a combination in which the intercom function (either INT or INTb) is listed for the buttons you wish to program.

EXAMPLE 1: for P2= general internal call, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P2=INT) or 0100 (P2=INTb) and set S1 with address 5 as per [Addressing table](#), then go to point 3

EXAMPLE 1: for P3= general intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P3=INT) or 1000 (P3=INTb) and set S1 with address 9 as per [Addressing table](#), then go to point 3

EXAMPLE 2: for P2= selective intercom, set S2 DIP switches 1-2-3-4 to the combination 1000 or 0011 or 1011 (P2=INT) and set S1 with address 2 as per [table B](#), then go to point 3

EXAMPLE 2: for P3= selective intercom, set S2 DIP switches 1-2-3-4 to the combination 1110 or 1011 (P3=INT) and set S1 with address 3 as per [table B](#), then go to point 3.

3. Press and release the key to be associated with the function

» the lock-release LED flashes 4 times.

» a confirmation tone will sound.

4. To exit programming mode, set S2 DIP switches 5-6 to the combination 00

» the privacy LED switches off


5. When programming is complete, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see table [Addressing table](#).

Allows direct programming of intercom call via the internal units.

✓ Requires 2 operators

Step 1: enter programming mode

Operator 1 and Operator 2 carry out the following procedures on 2 internal units:

1. Set S2 DIP switches 1-2 -3-4 to the combination 1111
2. Press and hold buttons 1 and 3 for 2 sec.
 - » The internal unit emits 1 tone.
 - » The privacy LED  flashes.
 - » The audio button LED lights up.
 - » The internal unit enters audio mode.
 - » At this point the 2 operators will be communicating with each other.

Step 2: intercom call programming



Operator 1:

- ▶ Press the key you want to program to call operator 2 (e.g. 2).
 - » The internal unit manned by operator 1 emits a confirmation tone.

Operator 2:

- ▶ Press the key you want to program to call operator 1 (e.g. 1).
 - » The internal unit manned by operator 2 emits a confirmation tone.

Operator 1/ Operator 2:

- ▶ Press the audio key .
 - » The audio button LED  goes OFF.
 - » Programming of the 2 internal units is now complete.

To program another internal unit, move on to STEP 3.

Step 3: programming other internal units




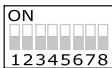



Operator 1/ Operator 2:

1. Once the new station has been reached, carry out step 1 to begin communication
2. Repeat step 2




NOTE If a call is received during programming, it must be answered and the programming procedure resumed afterwards.

Programming keys for generic or coded actuator

DIP S2													DIP S1		
DIP 1	DIP 2	DIP 3	DIP 4				P1	P2	P3	P4	P5	ADDRESS 			
0	0	0	0					ACT							
1	0	0	0				ACT								
0	1	0	0							ACT					
1	1	0	0				ACT								
0	0	1	0	ACT	ACT			ACT	ACT	ACT	ACT		ACT		
1	0	1	0	ACT											
0	1	1	0												
1	1	1	0												
0	0	0	1												
1	0	0	1												
0	1	0	1								ACT				
1	1	0	1										ACT		
0	0	1	1							ACT					
1	0	1	1												
0	1	1	1												
1	1	1	1				PROG								

Example:

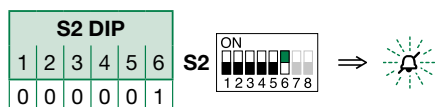
on a monitor with user code 5, P1 programming = generic actuator,  = coded actuator (code 125)



Take note of the DIP-switch settings



1. Set S2 DIP switches 6 to the combination 1.

» the privacy LED  flashes.



2. Refer to the table **“Programming keys for generic or coded actuator”** select a combination in which the actuator function (ACT) is listed for the buttons you wish to program.

E.g.: for P1= generic actuator, set S2 DIP switches 1-2-3-4 to the combination 1000 or 1100 or 0010 (P1=ACT), set S1 DIP switches to the combination 11111111, then go to point 3.

E.g.: for  = coded actuator (code 125), set S2 DIP switches 1-2-3-4 to the combination 0010 or 1010 (=ACT), set S1 with address 125 as per **Addressing table**, then go to point 3.

3. Press and release the key to be associated with the function.

» the lock-release LED  flashes 4 times.




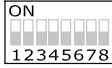




» a confirmation tone will sound.

4. To exit programming mode, set S2 DIP switches 5-6 to the combination 00.

» the privacy LED  switches off.


5. When programming is complete, set S2 DIP switches 1-2-3-4 to the combination 1111. Restore the user code setting on S1, see **Addressing table**.

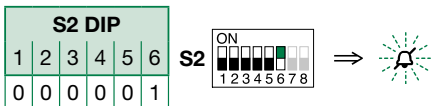
Programming buttons for other functions

DIP S2													DIP S1		
DIP 1	DIP 2	DIP 3	DIP 4				P1	P2	P3	P4	P5	ADDRESS 			
0	0	0	0	AI			CCS		D	PAN	K				
1	0	0	0	AI						D	CCS				
0	1	0	0	AI							CCS		CCP		
1	1	0	0	CCS						CCP	PAN		K	D	
0	0	1	0												
1	0	1	0						CCS	CCP				PAN	
0	1	1	0	D					AI	K	CCS		CCP		
1	1	1	0							AI			PAN	D	
0	0	0	1	PAN					CCS	D	AI				
1	0	0	1	CCS					K	PAN	CCP		AI		
0	1	0	1	K					CCP	PAN					AI
1	1	0	1	CCP					PAN	CCS	K				D
0	0	1	1				D			AI	CCS				
1	0	1	1												
0	1	1	1	NULL	NULL		NULL	NULL	NULL	NULL	NULL				
1	1	1	1				PROG								



Example:

on a monitor with user code 5, P4 programming = self-ignition, P5 = Secondary switchboard call.

- Set S2 DIP switches 6 to the combination 1.
 - » the privacy LED  flashes.



- Refer to the table **“Programming buttons for other functions”** and select a combination in which the desired/necessary functions are listed for the buttons you wish to program.

E.g.: for P4= self-ignition, P5= Secondary switchboard call, set S2 DIP switches 1-2-3-4 to the combination 0011 (P4=AI, P5=CCS).
- Press and release the keys to which you wish to assign the functions
 - » the lock-release LED  flashes 4 times.
 - » one confirmation tone is emitted.
- To exit programming mode, set S2 DIP switches 5-6 to the combination 00
 - » the privacy LED  switches off.
- When programming is complete, set S2 DIP switches 1-2-3-4 to the combination 1111.**

Programming range



Take note of the S2, S1 setting and restore it when programming is complete

► Carry out steps 1 to 4

	1)	2)	3)	4)
Range minimum address				
Range maximum address	<p>set code, Addressing table</p>	 		
Enable range			 	
Disable range			 	
Deleting the range	<p>DIP ON</p>	 	 	

LED/alarm/lock-release/actuator programming



Take note of the S2, S1 setting and restore on completion of programming

► Carry out steps 1 to 4

	1)	2)	3)	4)
Input IN 1- IN 2 ⇒ LED (default)*				
Input CFP2 - IN 1 ⇒ ALARM*		 		
Input CFP2 - IN 1 ⇒ LOCK-RELEASE*		 		
Input CFP2 - IN 1 ⇒ CODED ACTUATOR*	 set code, Addressing table	 		
Input CFP2 - IN 1 ⇒ GENERIC ACTUATOR*	DIP ON 	 		

* See "[Connections](#)".

Changing monitor ringtones

1. Keep the button pressed until a confirmation tone is emitted (this operation is only possible with the system in stand-by; otherwise the signalling LED will flash to warn the user)
2. Press and release the button:
 - once** (1 confirmation tone is emitted) to change the ringtone of calls from the external unit.
 - twice** (2 confirmation tones are emitted) to change the ringtone for calls from the switchboard.
 - 3 times** (3 confirmation tones are emitted) to change the ringtone for intercom calls made from the internal unit.
 - 4 times** (4 confirmation tones are emitted) to change the floor door (“CFP”) call ringtone.
 Any further pressing of the repeats the sequence described above.
3. Press and release button 1 to scroll through the various available ringtones in sequence.
4. Press button 2 to confirm selection of the last ringtone heard and to exit (at any time) the monitor ringtone change mode. On exiting the monitor ringtone selection mode a confirmation tone will be emitted.

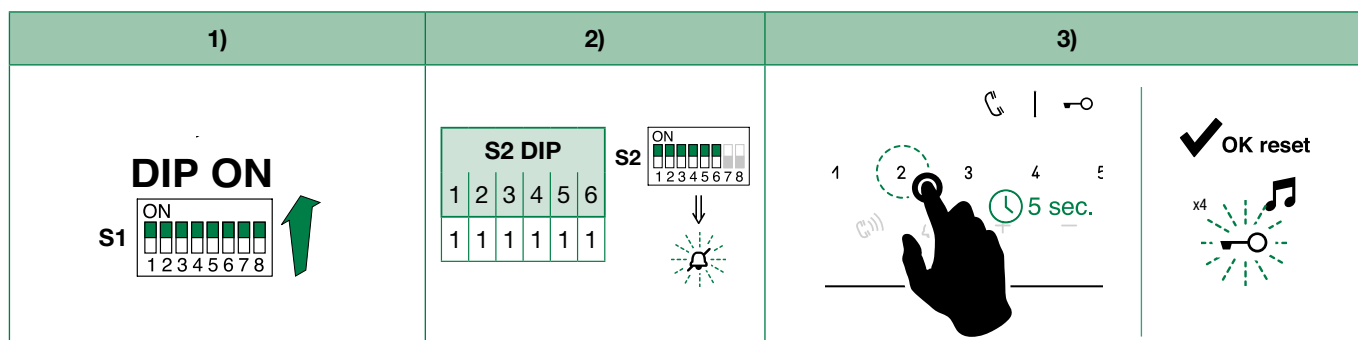
Programming reset

Factory settings:

- Button functions for the S2 DIP switch 1-2-3-4 combination;
- Intercom address absent;
- Range function and min./max. addresses absent;
- Ringtone reset.
- Input IN 1 - IN 2 > LED (default).
- Doctor, Privacy and Hands Free functions disabled.



Take note of the S2, S1 setting and restore on completion of programming



System performance and layouts

For further information of system performance and to view installation layouts, click on the type of system that best meets your needs:

- [Audio/video kit](#) for the creation of audio-video systems for *individual residences*.
- [Building Kit audio/video system](#) for the creation of audio-video systems for *small apartment blocks*.
- [SBTOP audio/video system](#) for the creation of audio-video systems for *residential complexes*.

CERTIFIED MANAGEMENT SYSTEMS



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The logo features a green diamond-shaped icon composed of smaller diamonds to the left of the word 'Comelit' in a bold, sans-serif font. Below 'Comelit' is the tagline 'Passion. Technology. Design.' in a smaller, lighter font.