Classe100 A16E handsfree audio internal unit

344282

Description

2 WIRES handsfree audio internal unit for wall mounted or table installation.
It has 2 physical keys for the control of the main functions – answer and end a call – and has 3 touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are further 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations.
The device has a side joystick to adjust the call tone volume and a call exclusion notification LED.
The installation can be made to the wall using the bracket (supplied) or using table support to be purchased separately.
The device also has Professional Studio (Office) function and must be physically configured.

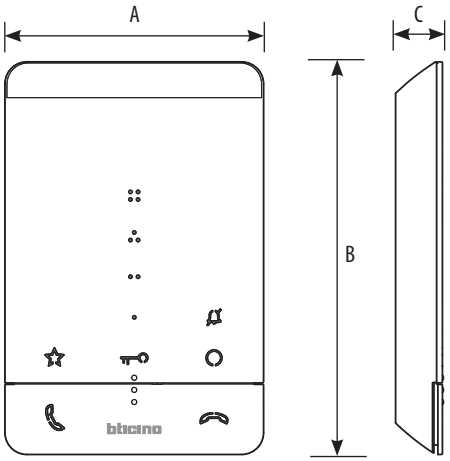
Related items

344692 Tabletop support

Technical data

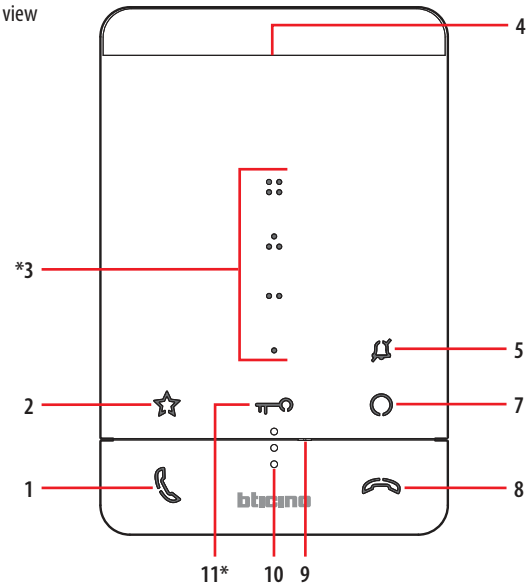
Power supply:	18 – 27 Vdc
Stand by absorption:	8.5 mA
Max. absorption:	55 mA max
Maximum cable section for each clamp:	2 x 1 mm^2
Operating temperature:	5 – 40 °C

Dimensional data

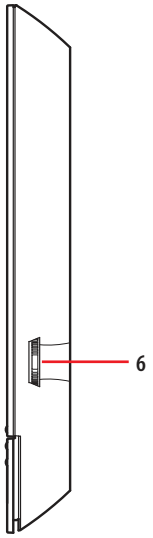


A	B	C
102 mm	155 mm	19 mm

Front view



Side view



Legend

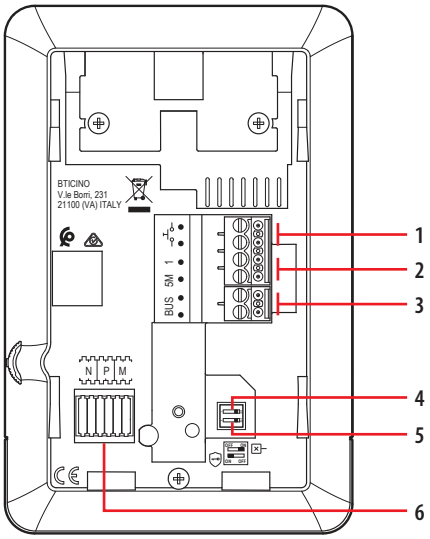
When pressed, the keys light up and emit a "beep" (that can be deactivated by procedure).

1. Communication enabling key
   Green LED flashing: incoming call
2. Staircase light touch key
3. Programmable touch keys *
4. Loudspeaker
5. Bell exclusion notification LED
   Red LED flashing: bell excluded
6. Joystick for adjustments and programming
7. Entrance panel/scrolling activation touch key
8. Communication disabling key
   Red LED flashing: call in progress
9. Microphone
10. Tactile guides for the blinds
11. Door lock release touch key *
    White LED flashing: active Professional Studio (Office) function

*** If the LEDs flash white when pressed, the "safe door lock" function is active and the key is deactivated.**

Classe100 A16E handsfree audio internal unit

Rear view

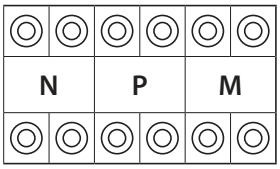


Legend

1. Clamps for the connection of an external call to the floor pushbutton
2. Additional bell connection clamps (1 - 5M).
   The connection must be point - point on the clamps of the additional bells
3. 2 wires SCS BUS connection clamps
4. Line termination ON / OFF micro-switch
   ON =
5. ON / OFF micro-switch for "safe door lock" function
   ON =
   To activate the function with device not powered
6. Configurator socket

Configuration

The device must be only physically configured.



N - internal unit number

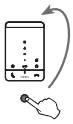
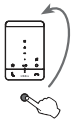
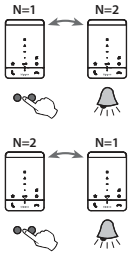
The configurators connected to the N sockets of the device assign an identification number within the system to each handset. The internal units must be configured in progressive order. The internal units must be configured in progressive order. The internal units with parallel connection (max 3 are allowed inside apartments without item 346850) must be configured using the same N configurator. In parallel with the main internal unit, additional audio and video internal units may be installed.

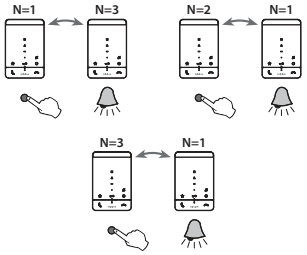
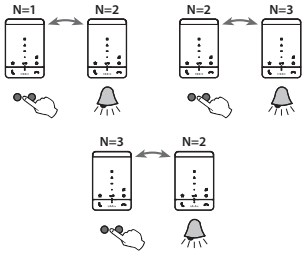
P – entrance panel association

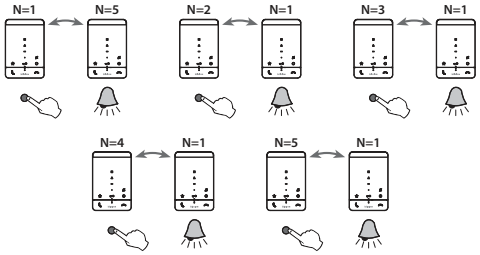
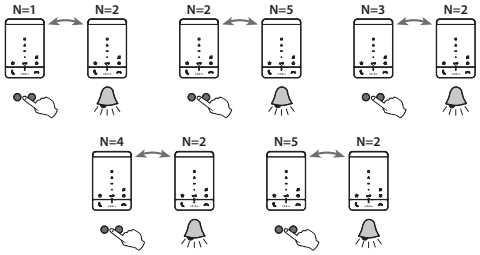
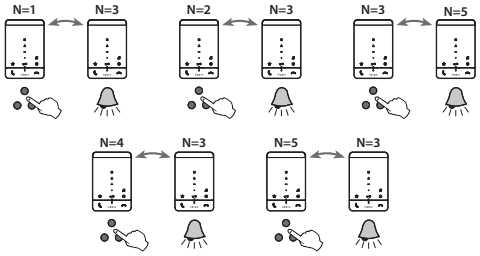
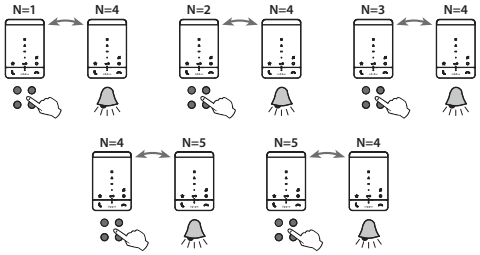
The configurators connected to the P sockets of the device identify the associated EP, which is the first entrance panel that switches itself on when the pushbutton is pressed the first time, as well as which door lock is activated when pressing the door lock pushbutton while the handset is idle.

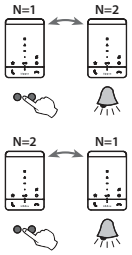
M – operating mode

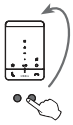
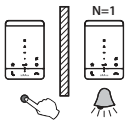
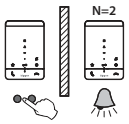
The configurators connected to the M socket of the device assign the operating modes to the 4 programmable keys (, , ,) based on the following indications.
They can also enable special functions.

MODE	KEY	FUNCTION	NOTES
M = 00			
	●	**Internal intercom**. It sends the call to all the handsets with the same address.	
	● ●	**Activation of the EP** (configured with P+1) directly without call or activation of the actuator 346210 (configured with P+1 and MOD=9)	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 20	Key functions described above + **Professional studio**		
M = 40	Key functions described above + **Pager**		
M = 80	Key functions described above + **Professional studio** + **Pager**		
M = 01			
	●	**Internal intercom.** It sends the call to all the handsets with the same address	
	● ●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
	● ●	**Activation of the EP** (configured with P+1) directly without call or activation of the actuator 346210 (configured with P+1 and MOD=9)	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
M = 21	Key functions described above + **Professional studio**		
M = 41	Key functions described above + **Pager**		
M = 81	Key functions described above + **Professional studio** + **Pager**		

MODE	KEY	FUNCTION	NOTES
M = 02			
		Intercom inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface.	
		Intercom inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface.	
		EP door lock release (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
		EP door lock release (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 22	Key functions described above + **Professional studio**		
M = 42	Key functions described above + **Pager**		
M = 82	Key functions described above + **Professional studio** + **Pager**		

MODE	KEY	FUNCTION	NOTES
M = 03	●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
	● ●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
	● ● ●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
	● ● ● ●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
M = 23	Key functions described above + **Professional studio**		
M = 43	Key functions described above + **Pager**		
M = 83	Key functions described above + **Professional studio** + **Pager**		

MODE	KEY	FUNCTION	NOTES
M = 04	●	**Activation of the EP** (configured with P+1) directly without call or activation of the actuator 346210 (configured with P+1 and MOD=9)	
	● ●	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface.	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 24	Key functions described above + **Professional studio**		
M = 44	Key functions described above + **Pager**		
M = 84	Key functions described above + **Professional studio** + **Pager**		
M = 05	●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
	● ● ●	**EP door lock release** (configured with P+3), directly without call, or activation of the actuator 346210 (configured with P+3 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+3)	
	● ● ● ●	**EP door lock release** (configured with P+4), directly without call, or activation of the actuator 346210 (configured with P+4 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+4)	
M = 25	Key functions described above + **Professional studio**		
M = 45	Key functions described above + **Pager**		
M = 85	Key functions described above + **Professional studio** + **Pager**		

MODE	KEY	FUNCTION	NOTES
M = 06	●	**Preset intercom** function with intercommunicating call to the Handset configured with N=1. From the system handsets it is possible to send an intercom call to the handset configured with N= 1. The **indoor unit** configured with N=1 can **receive** intercom calls, but is unable to send them.	
	● ●	**Internal intercom**. It sends the call to all the handsets with the same address.	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 26	Key functions described above + **Professional studio**		
M = 46	Key functions described above + **Pager**		
M = 86	Key functions described above + **Professional studio** + **Pager**		
M = 10	●	**General intercom.** It sends the call to all the handsets of the system.	
	● ●	**Activation of the EP** (configured with P+1) directly without call or activation of the actuator 346210 (configured with P+1 and MOD=9)	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 30	Key functions described above + **Professional studio**		
M = 50	Key functions described above + **Pager**		
M = 90	Key functions described above + **Professional studio** + **Pager**		
M = 12	●	**Intercom** among apartments Xin systems with apartment interface 346850	
	● ●	**Intercom** among apartments in systems with apartment interface 346850	
	● ● ●	**EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	**EP door lock release** (configured with P+2), directly without call, or activation of the actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
M = 32	Key functions described above + **Professional studio**		
M = 52	Key functions described above + **Pager**		
M = 92	Key functions described above + **Professional studio** + **Pager**		

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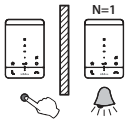
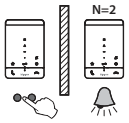
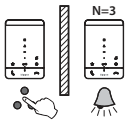
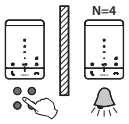
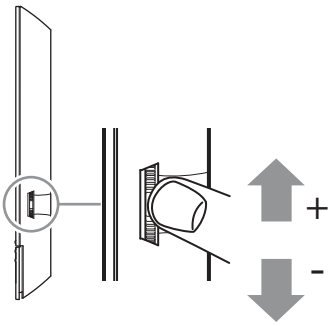
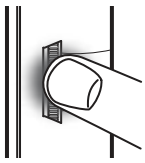
MODE	KEY	FUNCTION	NOTES
M = 13			
		Intercom among apartments in systems with apartment interface 346850	
		Intercom among apartments in systems with apartment interface 346850	
		Intercom among apartments in systems with apartment interface 346850	
		Intercom among apartments in systems with apartment interface 346850	
M = 33	Key functions described above + **Professional studio**		
M = 53	Key functions described above + **Pager**		
M = 93	Key functions described above + **Professional studio** + **Pager**		

Device settings

Ringtone volume adjustment



From stand-by move the joystick up/down to select the volume level (1 – 8).
After selecting the desired level release the joystick.



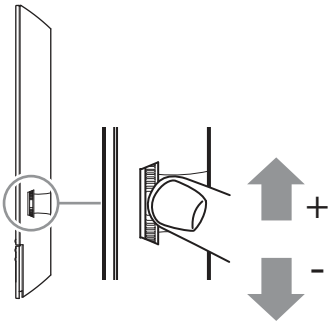
EXIT

To complete the setup, press the joystick or wait for the timeout.

The minimum level corresponds to the exclusion of the ringtone.
The corresponding LED flashes red

Note: for the adjustment of the volume, the S=0 EP ringtone is always played back

Speaker volume adjustment

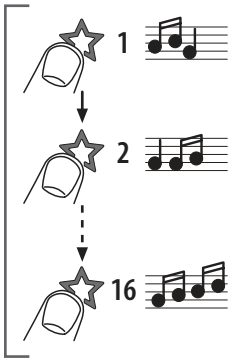


During the call, move the joystick up/down to select the speaker volume level (1 – 8).
After selecting the desired level release the joystick.
Note: Speaker volume adjustment is only possible if the internal unit and the entrance panel are connected.

Associate a ringtone to an event

Ringtone selection from the MAIN ENTRANCE PANEL (S =0)

> 3 sec.
Press at the same time



Save

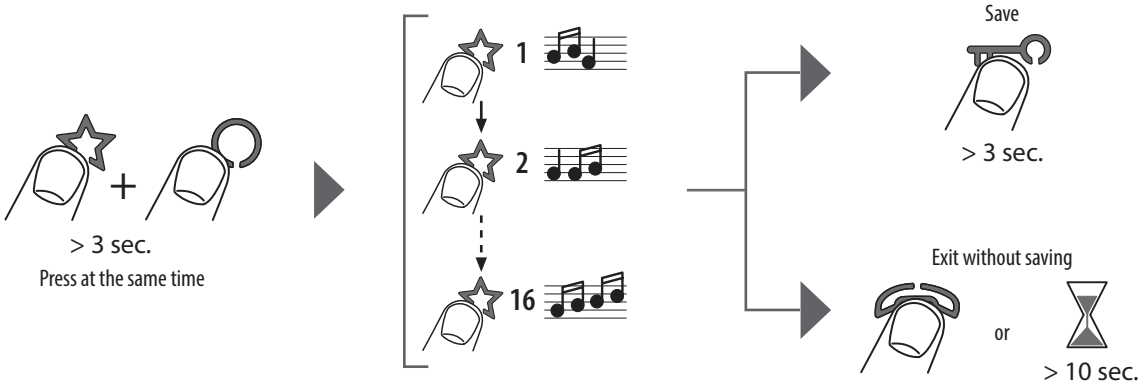
> 3 sec.

Exit without saving

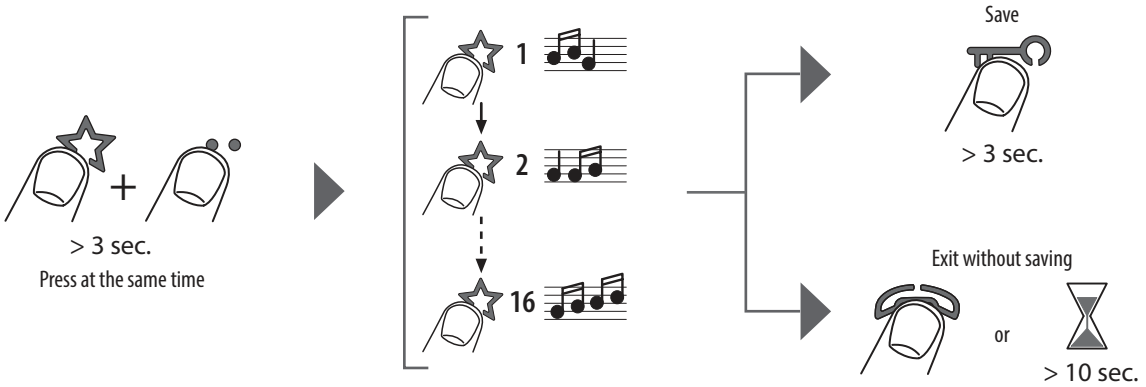
or

> 10 sec.

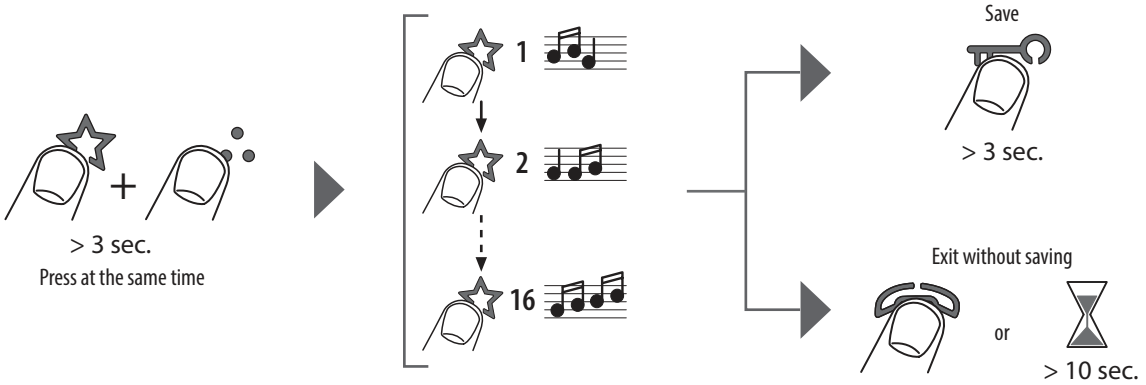
Ringtone selection from the SECONDARY ENTRANCE PANEL (S =1)



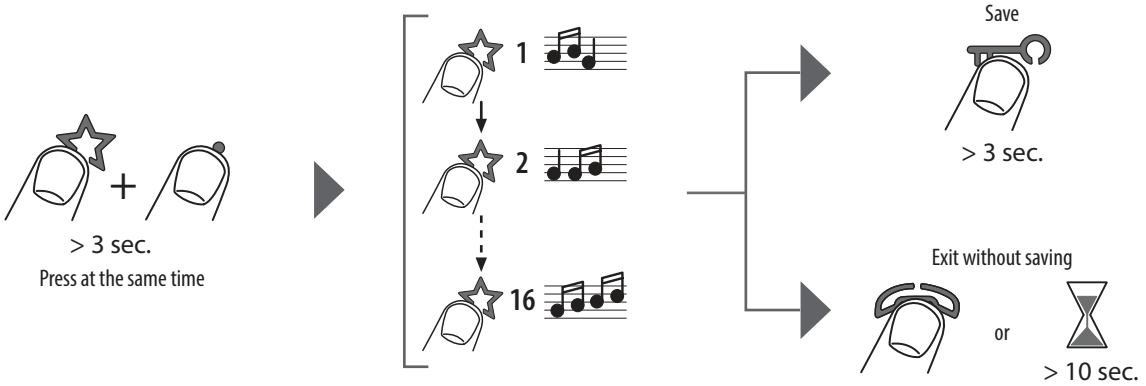
INTERCOM CALL ringtone selection



EXTERNAL INTERCOM CALL ringtone selection (interface 346850 only)



FLOOR CALL ringtone selection



Note: The ringtones played for calls from EP configured with S=2 & S=3 are set by default and cannot be changed.

Key sound enable/disable

With the basic configuration, when keys are pressed a BEEP is emitted. This function may be disabled/enabled as follows.

To DISABLE the key sound

From stand-by

Press and hold down the right Connection key and press the staircase light key.

To ENABLE the key sound

From stand-by

Press and hold down the right Connection key and press the staircase light key.

OFFICE function

When a call is received from the entrance panel, this function automatically activates the associated door lock without the need for pressing the door lock control key.
To enable this function, Classe100 must be configured as shown in the "Configuration / Special functions" section.
Moreover, the function must be enabled as follows.

Enabling the function

From stand-by

Press and hold down the right Connection key and then press the Staircase key

The door lock LED starts flashing white

Disabling the function

From stand-by

Press and hold down the right Connection key and then press the Staircase key

The door lock LED is OFF

Note: It cannot be activated together with the Safe Door Lock and the Door Status function.

DOOR STATUS function

This function notifies the status of the Door lock. If open the "LED Door lock" flashes, and if closed, the LED stays off.
Warning: the function can only be activated if required by the system - accessory devices are required.
Note: It cannot be activated together with the Professional Studio (Office) function.

PAGING function

This function can be used to send voice messages using the microphone of the Classe 100 through the speakers of the sound system.
To enable this function, Classe100 must be configured as shown in the "Configuration / Special functions" section.

Function use

From stand-by

Press the left Connection key

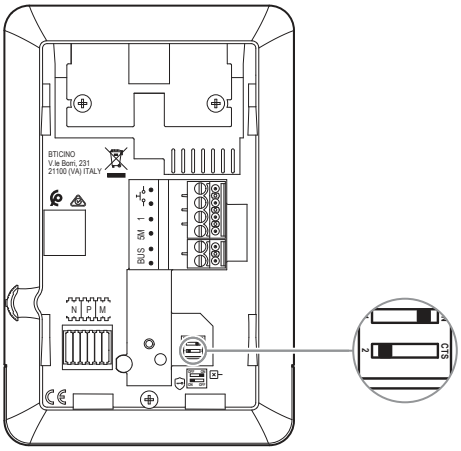
Broadcast the message

Press the right Connection key to end

SAFE DOOR LOCK function

When active, this function prevents the opening of the entrance panel door lock when the internal unit is in stand-by. Therefore, the opening of the door lock is only permitted when entrance panel and internal unit are in voice communication.

Enabling the function



Move the corresponding microswitch to ON

Note: when the function is active, all the keys in all the configurations requiring the activation of a door lock are disabled, and when they are pressed the white LED flashes.
Note: It cannot be activated together with the Professional Studio (Office) function.