

## Classe100 A16M 2 WIRES audio internal unit with handset

344292

### Description

2 WIRES audio internal unit with handset for wall mounted or table installation. It has touch keys for the control of the main functions – door lock release, staircase light control and entrance panel activation/scrolling – there are another 4 configurable touch keys that perform different functions – e.g. intercom, additional door lock activation, generic activations. Bell volume adjustment (with call exclusion) using the appropriate selector. The device must be configured physically, with the possibility of selecting among 16 ringtones. The installation can be made to the wall using the bracket (supplied) or using table support to be purchased separately.

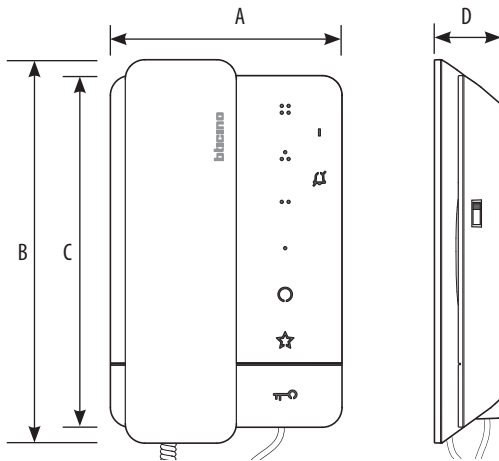
### Related items

344692 Tabletop support

### Technical data

Power supply	18 – 27 Vdc
Stand by absorption	8.5 mA
Max. absorption	50 mA max
Maximum cable section for each clamp	2 x 1 mm <sup>2</sup>
Operating temperature	5 – 40 °C

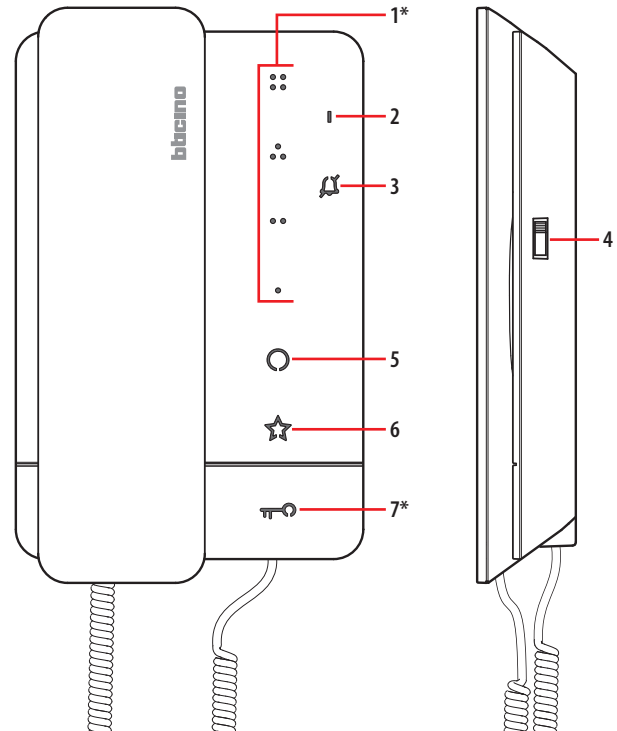
### Dimensional data



A	B	C	B
102 mm	169 mm	155 mm	29 mm

Front view

Side view



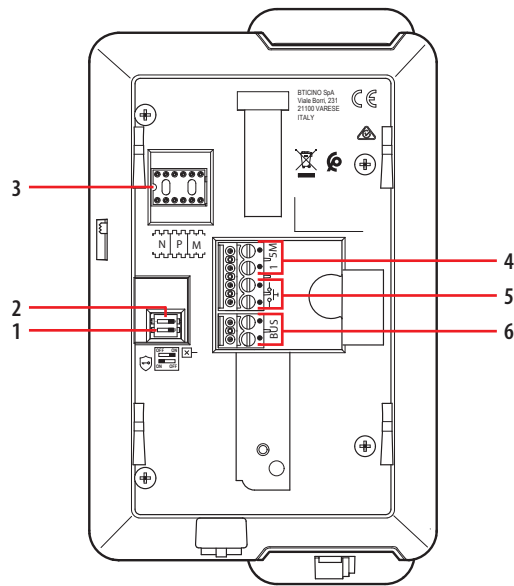
### Legend

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

1. Programmable touch keys \*
2. Green LED flashing: incoming call  
Green LED steady: call in progress
3. Red LED flashing: bell excluded
4. Bell volume adjustment / exclusion
5. Entrance panel/scrolling activation touch key
6. Staircase light touch key
7. Door lock release touch key \*  
White LED flashing: active Professional Studio (Office) function

\* Se alla pressione, i LED lampeggiano bianco, è attiva la funzione “serratura sicura” ed il tasto è disattivato.

Rear view

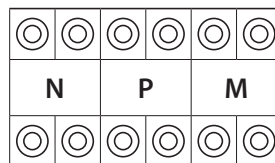


**Legend**

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

**Configuration**

The device must be only physically configured.



**N - internal unit number**

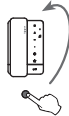
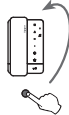
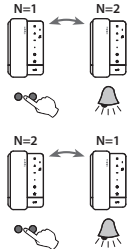
The configurators connected to the N sockets of the device assign an identification number within the system to each handset. The internal units must be configured in progressive order. The internal units must be configured in progressive order. The internal units with parallel connection (max 3 are 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.

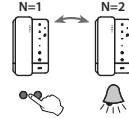
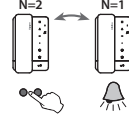
**M – modalità di funzionamento**


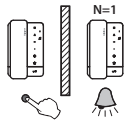
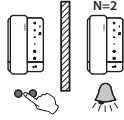
The configurators connected to the M socket of the device assign the operating modes to the 4 programmable keys (•, ••, •••, ••••) based on the following indications. They can also enable special functions.

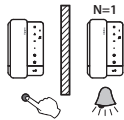
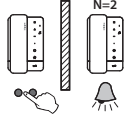
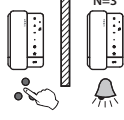
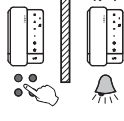
MODE	KEY	FUNCTION	NOTES
<b>M = 00</b>	●	<b>Internal intercom.</b> It sends the call to all the internal units with the same address	
	● ●	<b>Activation of the EP</b> (configured with P+1) directly without call or activation of actuator 346200 (configured with P+1 and MOD=9)	
	● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
<b>M = 20</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 40</b>		Key functions described above + <b>Pager</b>	
<b>M = 80</b>		Key functions described above + <b>Professional studio + Pager</b>	
<b>M = 01</b>	●	<b>Internal intercom.</b> It sends the call to all the internal units with the same address	
	● ●	<b>Intercom</b> inside the apartment, in systems with apartment interface 346850, or <b>intercom</b> among apartments in systems without apartment interface	
	● ●	<b>Activation of the EP</b> (configured with P+1) directly without call or activation of actuator 346200 (configured with P+1 and MOD=9)	
	● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
<b>M = 21</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 41</b>		Key functions described above + <b>Pager</b>	
<b>M = 81</b>		Key functions described above + <b>Professional studio + Pager</b>	

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

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

MODE	KEY	FUNCTION	NOTES
<b>M = 04</b>	●	<b>Activation of the EP</b> (configured with P+1) directly without call or activation of actuator 346200 (configured with P+1 and MOD=9)	
	● ●	<b>Intercom</b> inside the apartment, in systems with apartment interface 346850, or <b>intercom</b> among apartments in systems without apartment interface	 
	● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
<b>M = 24</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 44</b>		Key functions described above + <b>Pager</b>	
<b>M = 84</b>		Key functions described above + <b>Professional studio + Pager</b>	
<b>M = 05</b>	●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
	● ●	<b>EP door lock release</b> (configured with P+3), directly without call, or activation of actuator 346210 (configured with P+3 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+3)	
	● ●	<b>EP door lock release</b> (configured with P+4), directly without call, or activation of actuator 346210 (configured with P+4 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+4)	
<b>M = 25</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 45</b>		Key functions described above + <b>Pager</b>	
<b>M = 85</b>		Key functions described above + <b>Professional studio + Pager</b>	

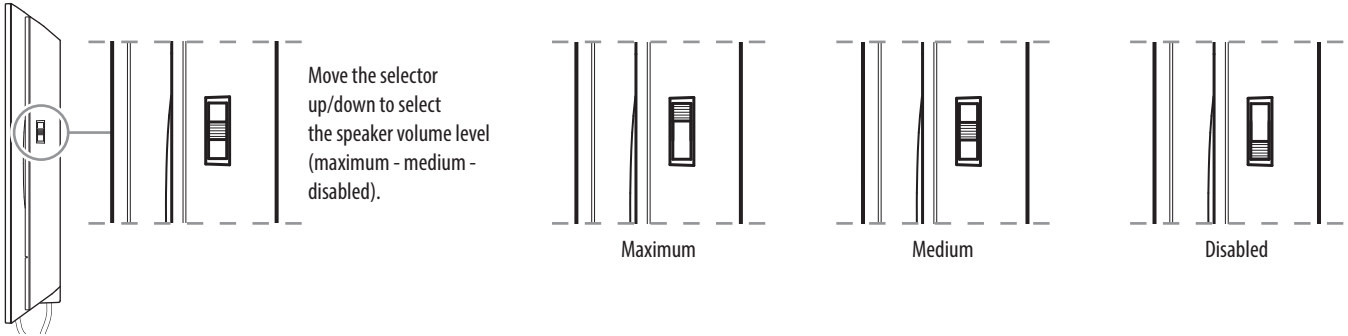
MODE	KEY	FUNCTION	NOTES
<b>M = 06</b>	●	<b>Preset intercom</b> function with intercommunicating call to the IU configured with N=1. From the system handsets it is possible to send an intercom call to the handset configured with N= 1. The internal unit configured with N=1 receives Intercom calls but does NOT send them	
	● ●	<b>Internal intercom.</b> It sends the call to all the handsets with the same address	
	● ● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
<b>M = 26</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 46</b>		Key functions described above + <b>Pager</b>	
<b>M = 86</b>		Key functions described above + <b>Professional studio + Pager</b>	
<b>M = 10</b>	●	<b>General intercom.</b> It sends the call to all the handsets of the apartment in systems with apartment interface 346850 or to all the devices, if it is a one-family system	
	● ●	<b>Activation of the EP</b> (configured with P+1) directly without call or activation of actuator 346200 (configured with P+1 and MOD=9)	
	● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
<b>M = 30</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 50</b>		Key functions described above + <b>Pager</b>	
<b>M = 90</b>		Key functions described above + <b>Professional studio + Pager</b>	
<b>M = 12</b>	●	<b>Intercom</b> among apartments in systems with apartment interface 346850	
	● ●	<b>Intercom</b> among apartments in systems with apartment interface 346850	
	● ● ●	<b>EP door lock release</b> (configured with P+1), directly without call, or activation of actuator 346210 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+1)	
	● ● ● ●	<b>EP door lock release</b> (configured with P+2), directly without call, or activation of actuator 346210 (configured with P+2 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P+2)	
<b>M = 32</b>		Key functions described above + <b>Professional studio</b>	
<b>M = 52</b>		Key functions described above + <b>Pager</b>	
<b>M = 92</b>		Key functions described above + <b>Professional studio + Pager</b>	

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



Device settings

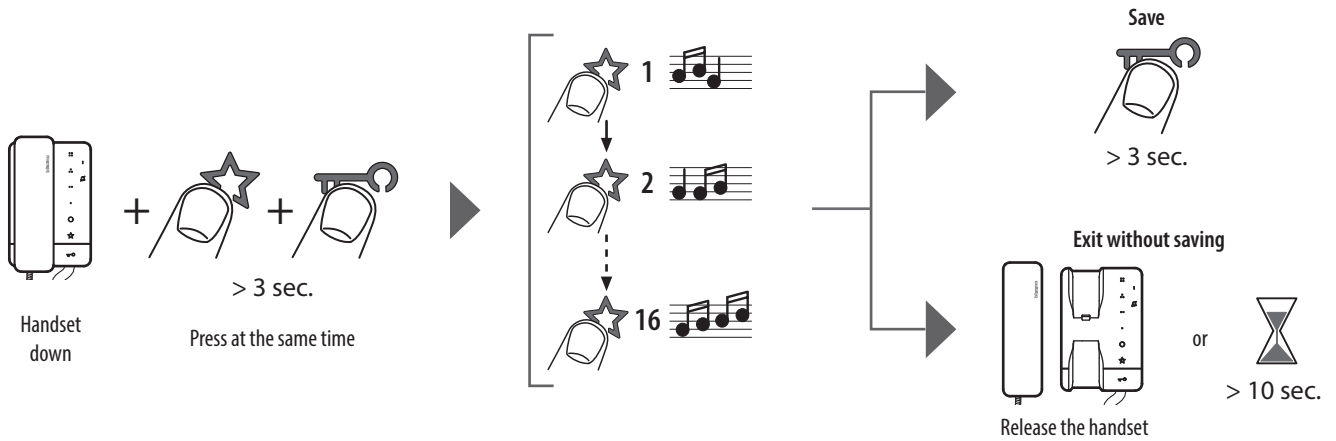
Ringtone volume adjustment



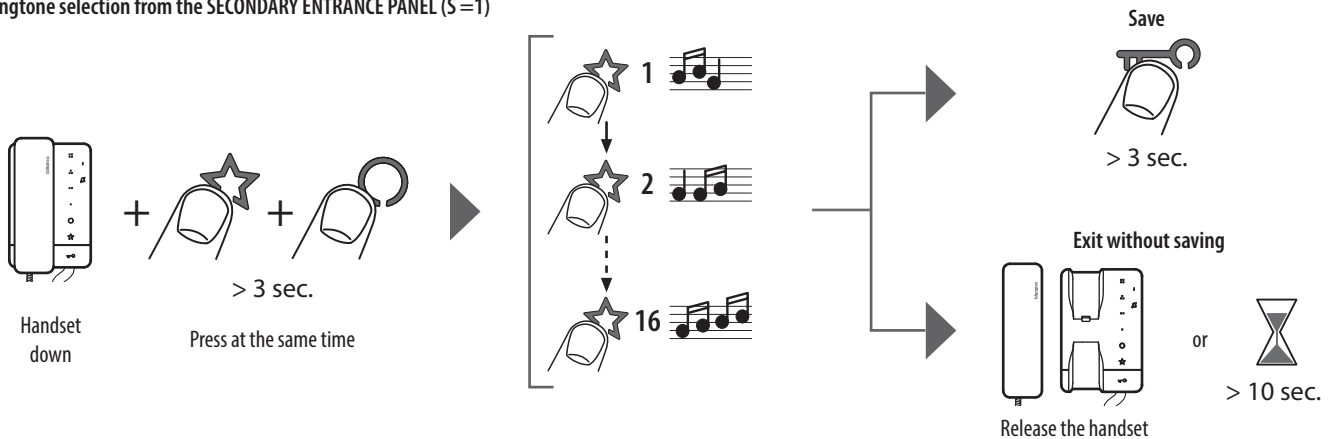
When the ringtone is disabled, the corresponding LED flashes red

Associate a ringtone to an event

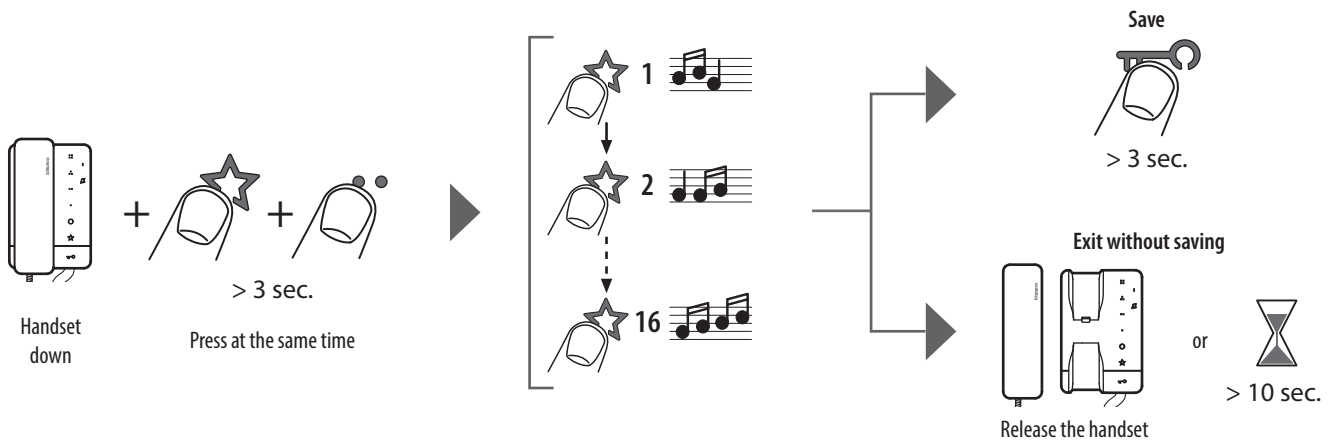
Ringtone selection from the MAIN ENTRANCE PANEL (S=0)



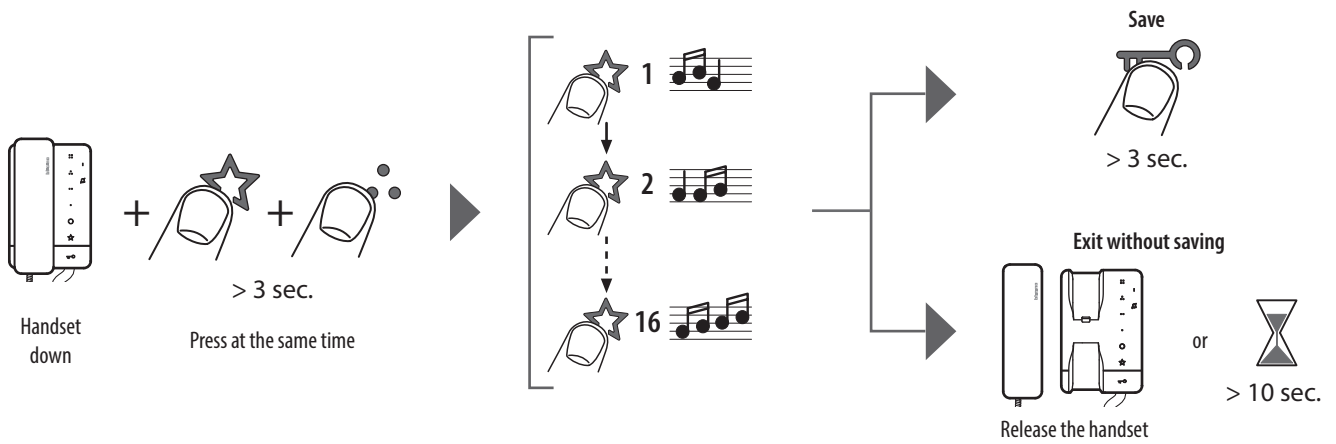
Ringtone selection from the SECONDARY ENTRANCE PANEL (S=1)



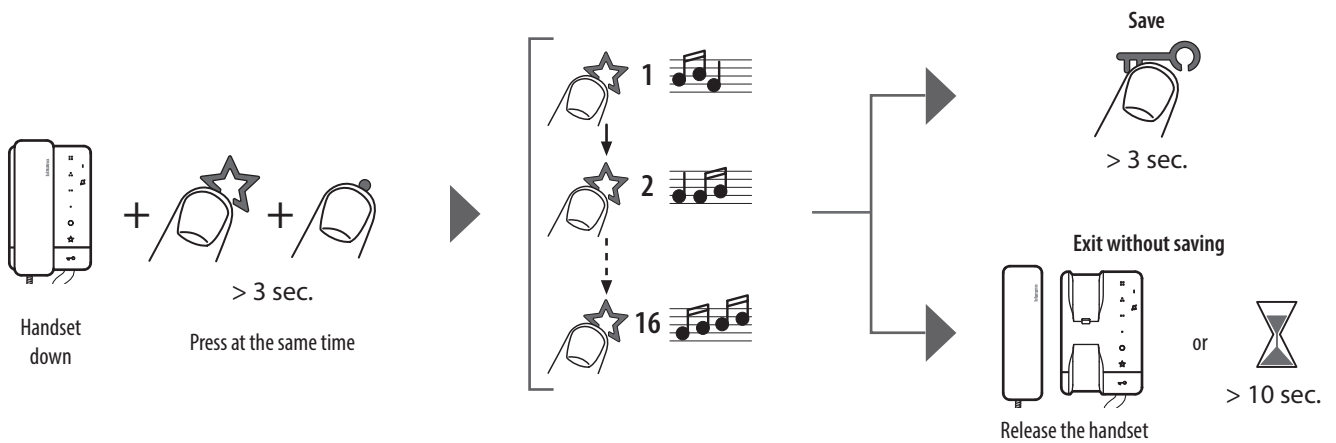
**INTERCOM CALL ringtone selection**



**EXTERNAL INTERCOM CALL ringtone selection (interface 346850 only)**



**FLOOR CALL ringtone selection**



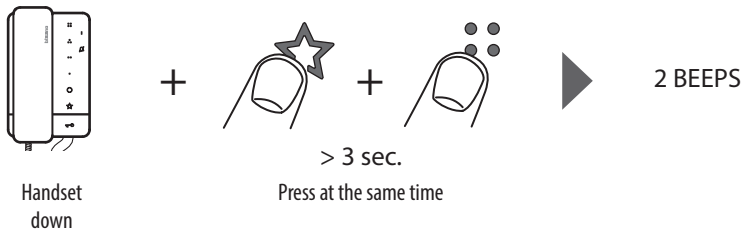
**Note** The ringtones played for calls from EP configured with S=2 & S=3 are set by default and cannot be changed.

**Key sound enable/disable**

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

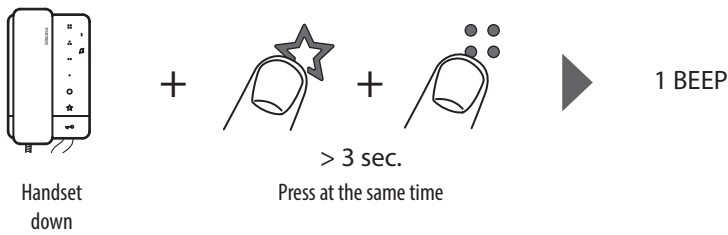
**To DISABLE the key sound**

From stand-by



**To ENABLE the key sound**

From stand-by



**PROFESSIONAL STUDIO (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.

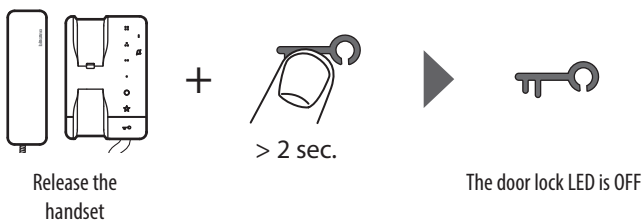
**Enabling the function**

From stand-by



**Disabling the function**

From stand-by



**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.

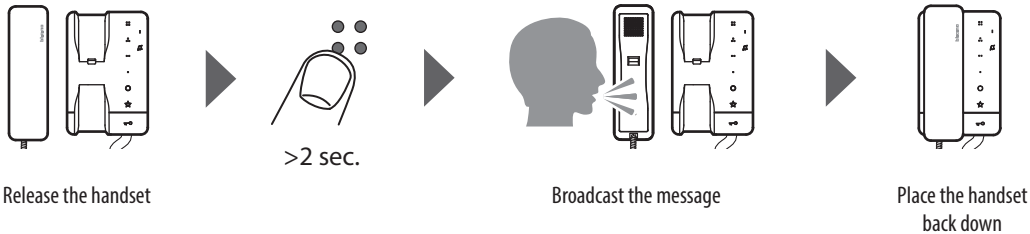
**Note:** It cannot be activated together with the Professional Studio (Office) function.

## 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

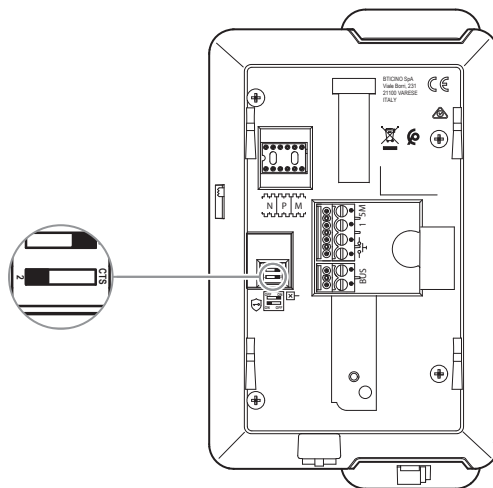
From stand-by



## 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.