Classe100 V16E Handsfree video internal unit with Inductive loop

344672

Description

2 WIRES handsfree video internal unit with 5" colour LCD display.
It has 2 physical keys for the control of the main video door entry functions – answer and end a call – and 3 capacitive keys that allow the door lock release, the entrance panel activation/scrolling and the customisation of most frequently used quick action – e.g. staircase light control, intercom, additional door lock activation, generic activations.
The device has a side joystick to adjust: colour, brightness and display contrast, audio and call tone volume.
There is 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.
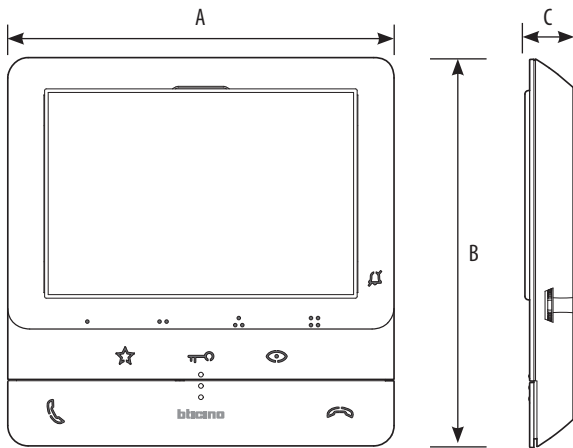
Related items
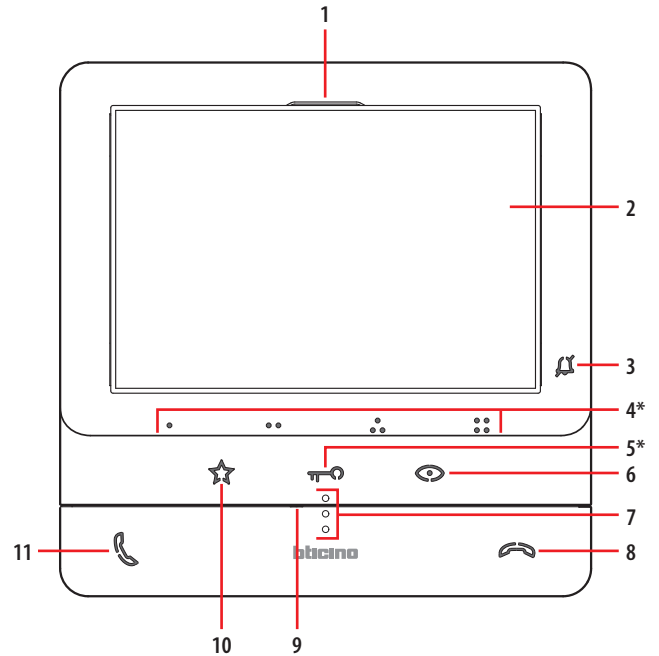
344692   Tabletop support

Technical data

Power supply:	18 – 27 Vdc
Stand by absorption:	10 mA
Max. absorption:	250 mA
Maximum cable section for each clamp:	2 x 1 mm2
Operating temperature:	5 – 40 °C

Dimensional data

| A	B	C
164 mm	165 mm	20,5 mm

Front view

Legend

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

1. Loudspeaker

2. 5" (16:9) display

3. Bell exclusion notification LED
   Red LED flashing: bell excluded

4. Programmable touch keys *

5. Door lock release touch key *
   White LED flashing: active Professional Studio (Office) function

6. Entrance panel / scrolling activation touch key

7. Tactile guides for the blinds

8. Communication disabling key
   Red LED flashing: call in progre

9. Microphone

10. Staircase light touch key

11. Communication enabling key
    Green LED flashing: incoming call

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

Rear view
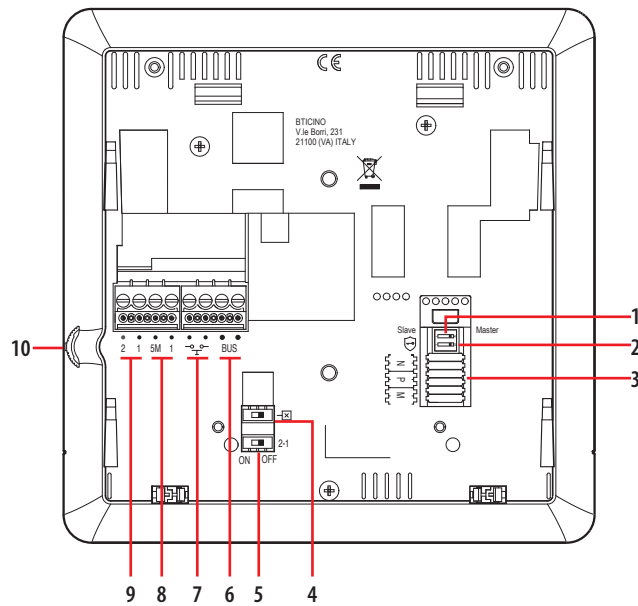
Legend

1. Slave / Master function microswitch
2. ON / OFF micro-switch for "safe door lock" function
   ON=
   To activate the function with device not powered
3. Configurator socket.
4. Line termination ON / OFF micro-switch.
5. Additional power supply enable ON / OFF micro switch
6. 2 wires SCS BUS connection clamps.
7. Clamps for the connection of an external call to the floor pushbutton
8. Additional bell connection clamps (1 - 5M). The connection must be point - point on the clamps of the additional bells
9. Additional power supply clamps (2– 1)
10. Joystick for adjustments and programming

Configuration

The device must be only physically configured.
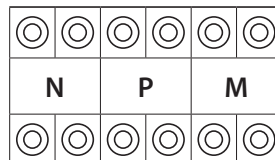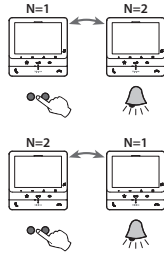

N - internal unit number
The configurators connected to the N sockets of the device assign an identification number within the system to each video internal unit. The internal units must be configured in progressive order. Internal units with parallel connection (max 3 are allowed inside apartments without item 346850) must be configured using the same N configurator. In parallel with the main video internal unit, additional internal units, video internal units and/or ringtones 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 video internal unit is idle.
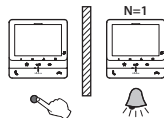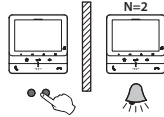
M – operating mode
The configurators connected to the M sockets of the device assign the operating modes to the 4 programmable keys (• , •• , •:• , ::•) based on the following indications.
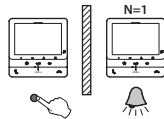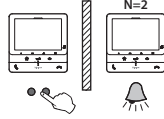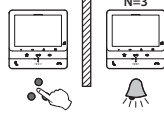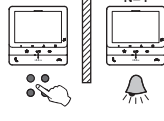They can also enable special functions .

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	
	● (two rows)	**Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface	
	● ● (four)	**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.	N=1 ↔ N=2 / N=2 ↔ N=1
		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.	
	● (P+1)	**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)	
	● ● (P+2)	**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**	

MODE	KEY	FUNCTION		NOTES
M = 13				
	⚫	**Intercom** among apartments in systems with apartment interface 346850		N=1
	⚫ ⚫	**Intercom** among apartments in systems with apartment interface 346850		N=2
	⚫ ⚫ ⚫	**Intercom** among apartments in systems with apartment interface 346850		N=3
	⚫ ⚫ ⚫ ⚫	**Intercom** among apartments in systems with apartment interface 346850		N=4

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 adjustments and settings

Using the joystick it is possible to perform adjustments (Adjustments and/or Parameter Adjustment menu during Audio/Video connection) and settings (Settings menu)

Use of the joystick
You must use the joystick on the side of the device to navigate on the menu and select the settings.
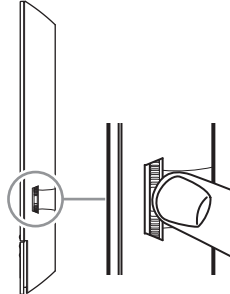
Symbol legend

SYMBOL	ACTIONS TO BE PERFORMED	FUNCTION
	Press	Confirm/access the Adjustments mode
> 8 sec	Press and hold down for more than 8 sec	Access the Settings mode
	Move the joystick up (when released, it returns to central position)	Previous page/increase level
	Move the joystick down (when released, it returns to central position)	Next page/decrease level

Adjustments

ADJUSTMENTS MENU

From stand-by press the joystick to activate the display
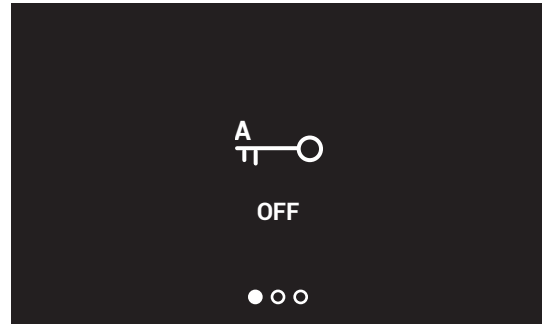
Move the joystick up/down to select the page among:
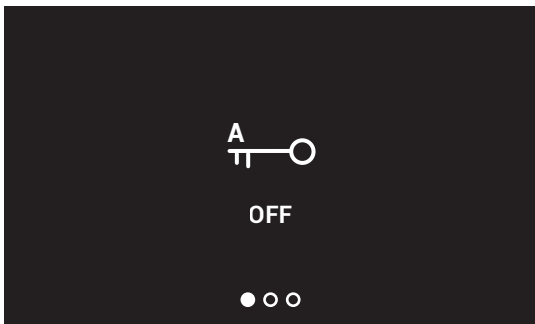
Activate/deactivate the Professional studio-Office function
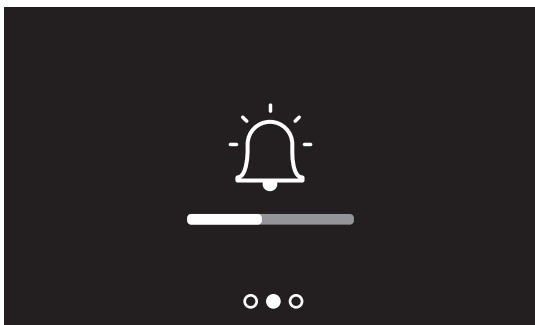
Adjust the ringtone volume
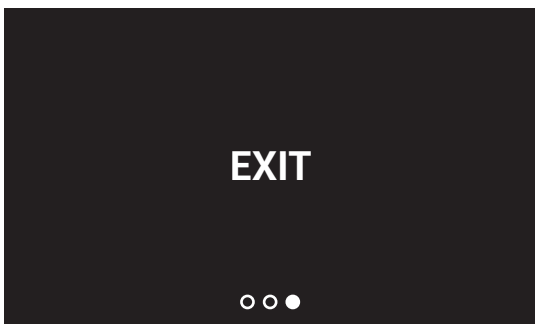
Exit the menu

ACTIVATE/DEACTIVATE THE 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.

From stand-by press the joystick to activate the display and select the corresponding page
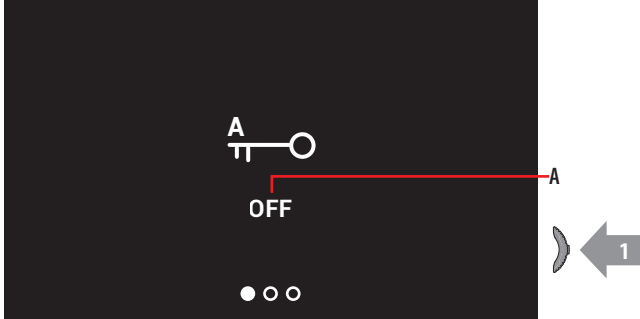
A Function status notification (ON = enabled, OFF = disabled)
1 Press the joystick to change mode

Note: It cannot be activated together with the Safe Door Lock and the Door Status function
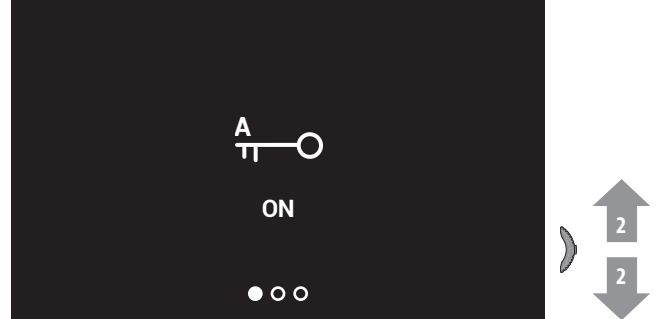
2 Move the joystick up/down to select another setting or the last page to exit

RINGTONE VOLUME ADJUSTMENT

From stand-by press the joystick to activate the display and select the corresponding page
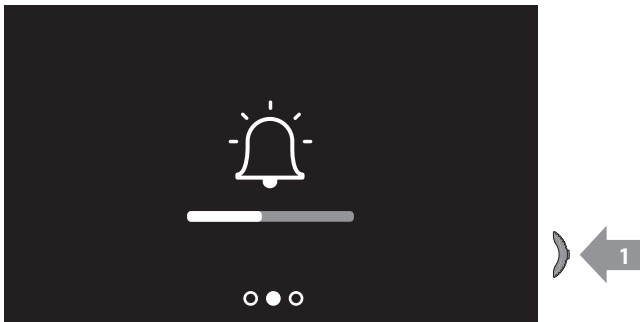
1 Press the joystick to adjust the volume.
   The ringtone is played at the set volume level
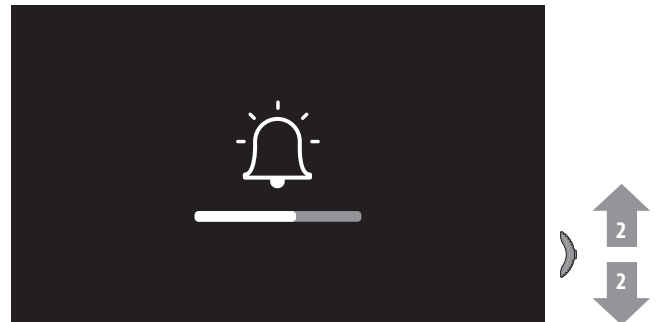
2 Move the joystick up/down to select the volume level (1 – 8).
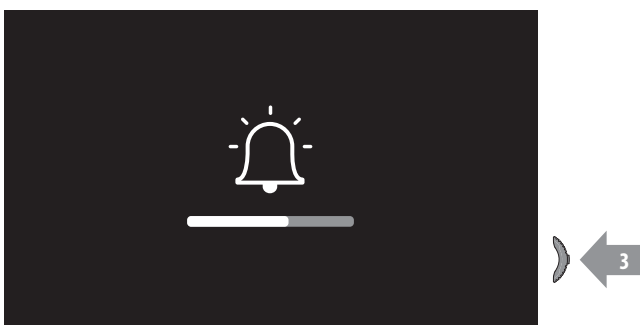
3 Press the joystick to confirm the setting or wait for the timeout
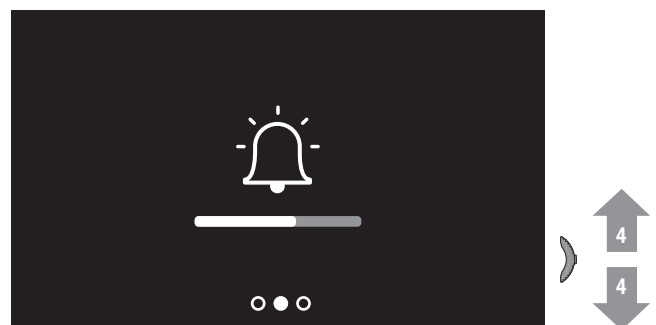
4 Move the joystick up/down to select another setting or the last page to exit

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

AUDIO/VIDEO PARAMETER ADJUSTMENTS

During a connection to an internal unit or entrance panel, it is possible to modify the speaker volume and, only for audiovideo devices, the colour, contrast and brightness of the image.


1 During a connection press the joystick to modify the parameters
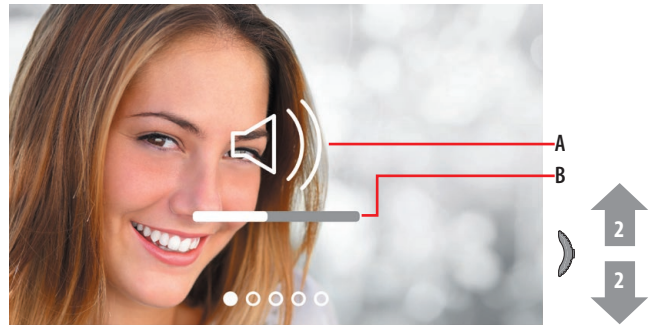
The page shows the type of parameter (A) and the set level (B)

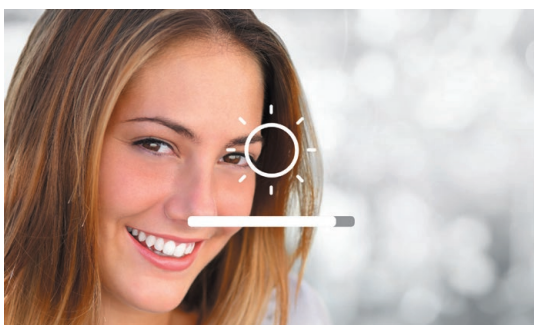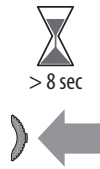2 Move the joystick up/down to select the type of parameter for which you want to modify the value (see the following table)

ICON	TYPE OF PARAMETER	
◁))	Speaker volume	Parameter that can be adjusted only with active audio
☼	Image brightness	
◑	Image contrast	
◔	Image colour	
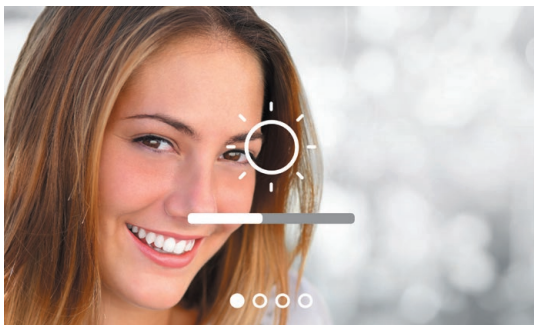
3 Press the joystick to modify the level
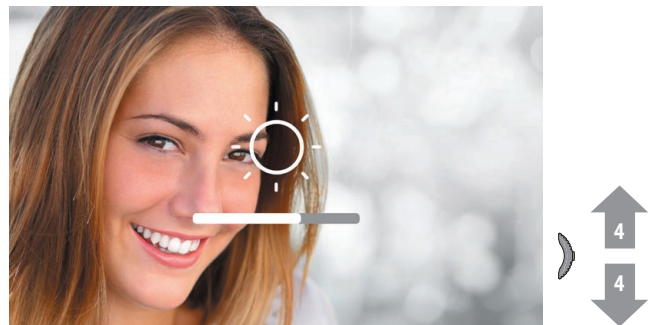
4 Move the joystick up/down to select the desired level

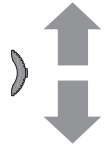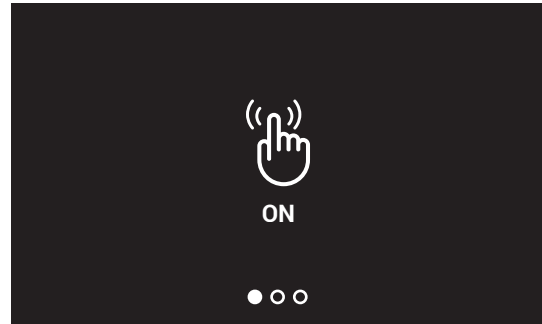5 Press the joystick to confirm or wait for the timeout
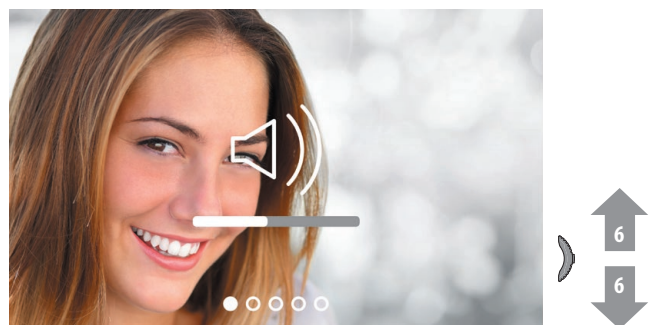
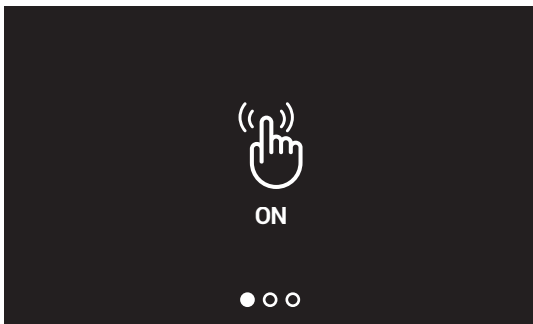6 Move the joystick up/down to select another parameter or the last page to exit
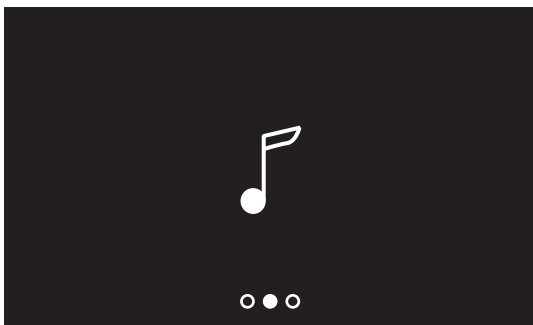
Settings

SETTINGS MENU

From stand-by, press and hold down the joystick **for about 8 seconds** to activate the display and access the Settings menu.
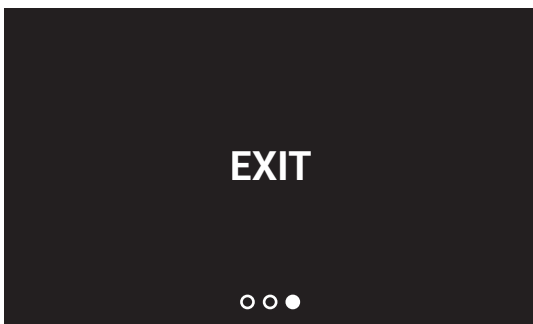

Move the joystick up/down to select the page among:

Enable/disable the key sound
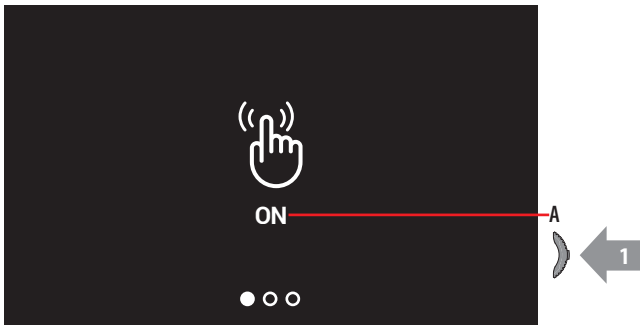

Associate a ringtone to an event

Exit the menu

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

From stand-by, press and **hold down the joystick for about 8 seconds**
to access the advanced menu and select the corresponding page

A   Function status notification (ON = enabled, OFF = disabled)

1   Press the joystick to change mode
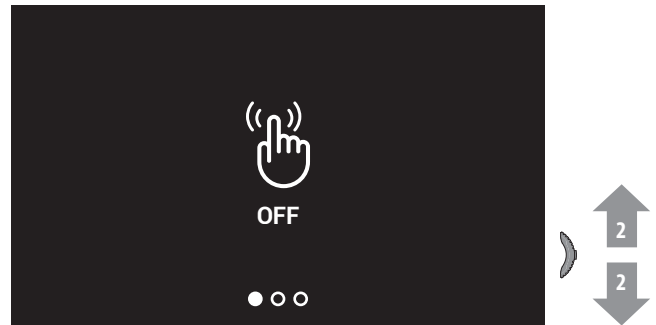
2   Move the joystick up/down to select another setting or the last page to exit

ASSOCIATE A RINGTONE TO AN EVENT (CALL)
This page can be used to modify the ringtones associated to the different types of call.
The ringtones played for calls from EP configured with S=2 and S=3 are set by default and cannot be changed.

From stand-by, press and **hold down the joystick for about 8 seconds**
to access the advanced menu and select the corresponding page
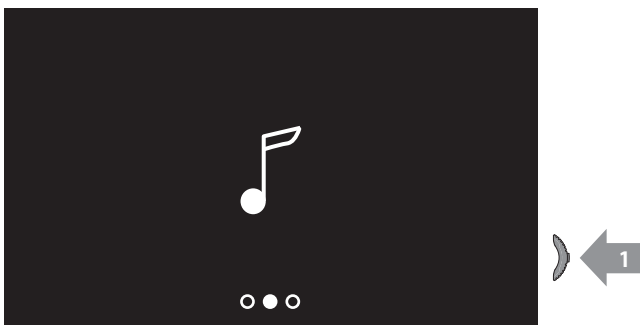
Press the joystick to associate the first event
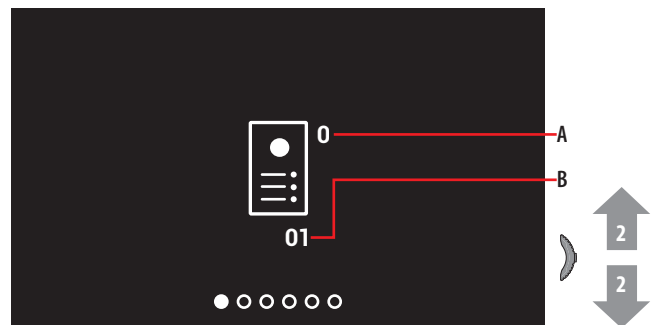
The page shows the type of call (A) and the current ringtone number (B)

2   Move the joystick up/down to select the type of call for which you want to set the ringtone (see the following table)

| ICON	TYPE OF CALL
	Selection of the call ringtone from the MAIN ENTRANCE PANEL (S =0)
	Selection of the call ringtone from the SECONDARY ENTRANCE PANEL (S =1)
	FLOOR CALL ringtone selection
	INTERCOM CALL ringtone selection
	EXTERNAL INTERCOM CALL ringtone selection (interface 346850 only)
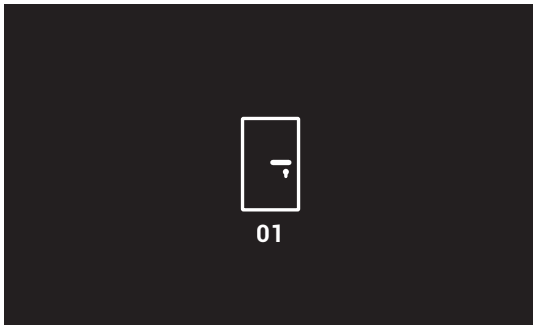
3   Press the joystick to continue
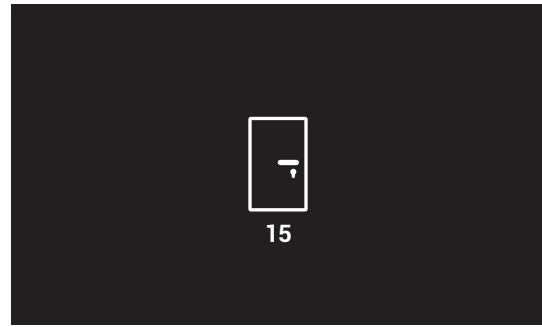
4   Move the joystick up/down to select the ringtone to be associated (the ringtone is played)
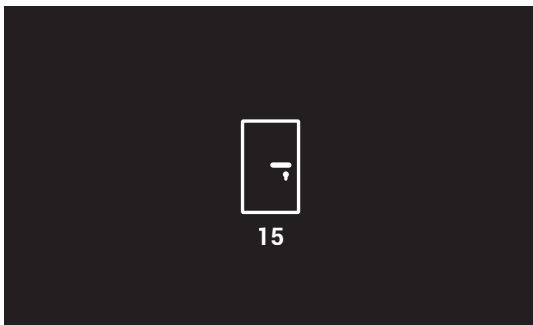
5   Press the joystick to confirm or wait for the timeout
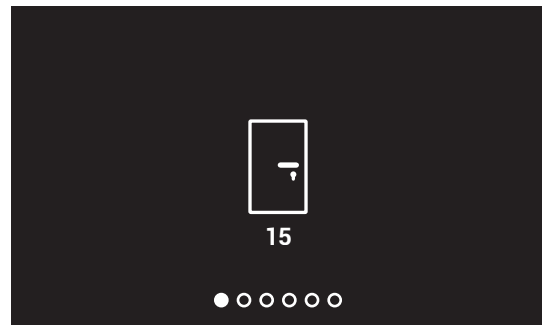
6   Move the joystick up/down to select another call or the last page to exit

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.
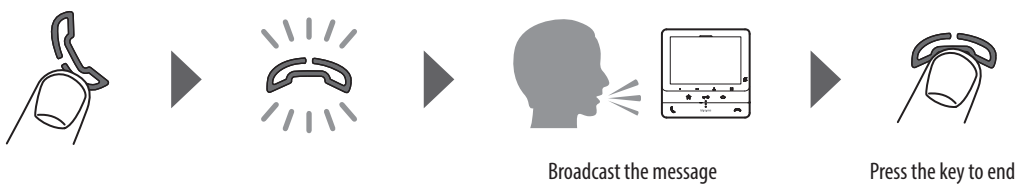
PAGING function

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.
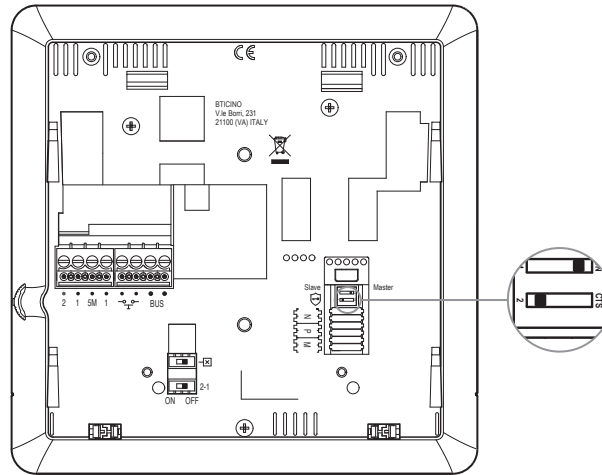
Function use

From stand-by

Broadcast the message   Press the 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.

INDUCTIVE LOOP use

The inductive loop function enables the device to be used by people wearing hearing aids with (T) selector.
Switch the acoustic device to the T position. To ensure correct magnetic coupling between the handset and the acoustic device, we recommend a position in front of the device, at a distance of 25-35 cm.

NOTE: the presence of metal and background noise generated by electric/electronic devices (e.g. computer) may compromise the performance and the quality of the coupling device.