



VIDEO DOOR PHONE APARTMENT STATIONS

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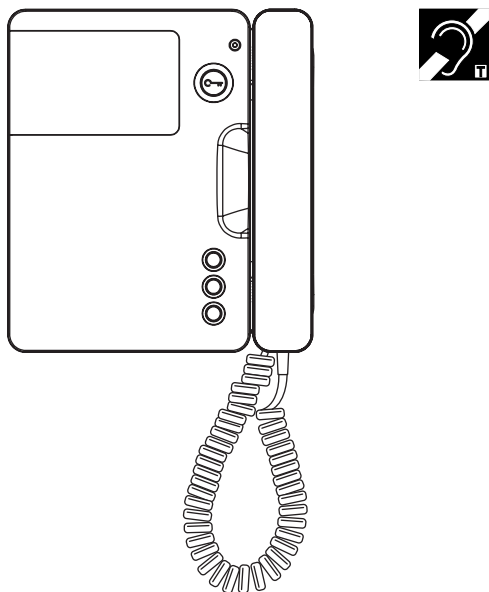


BLACK/WHITE SIGNO VIDEO DOOR PHONE

CHARACTERISTICS – TECHNICAL CHARACTERISTICS

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BLACK/WHITE SIGNO VIDEO DOOR PHONE Ref. 1740/1



Designed by architect Citterio, Signo video door phone has a perfectly flat surface harmonized with the absence of corners.

On the front panel there are the button for door opening, backlit by leds, and 3 buttons for additional services as intercom calls, auto-on function, video switching, etc.

Signo video door phone has an electronic management of the call ring tone with a loudspeaker dedicated to this function, placed under the handset. Also the switch used to adjust the call volume with “Mute” function is hid by the handset.

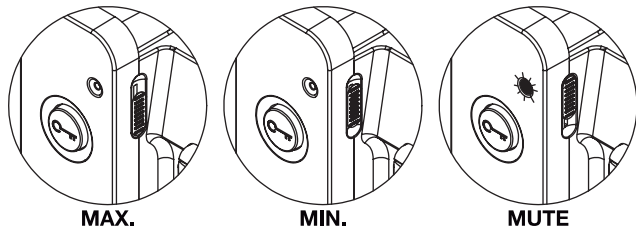
The apartment station is provided with a special handset, that allows to hard of hearing people, equipped with a suitable earphone, to listen who is speaking from the push button panel: the loudspeaker system can drive acoustic devices for hearing-impaired with function “T”.

For installation, no masonry works are needed and all connections can be made on the bracket, to which it is fixed.

CHARACTERISTICS

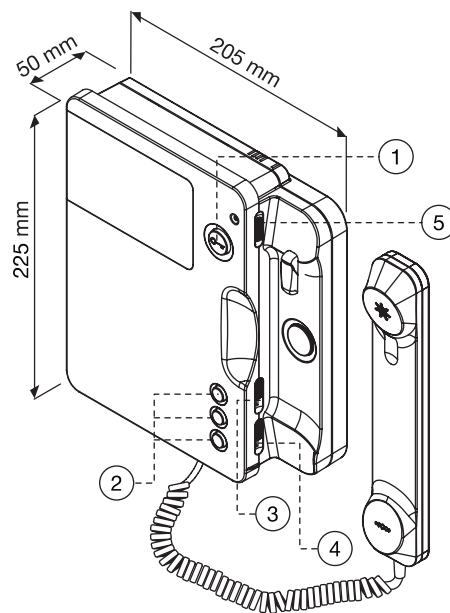
The main characteristics of the video door phone are the following:

- 4” black/white flat video module
- Call volume adjustment and mute function. When “Mute” function is active, the light on the front panel is red.



With volume adjustment in “Mute” position, the video door phone does not emit the call ring tone, but the video module turns on.

- Door lock release button backlit by leds when the video module is turned on.
- Service buttons (• , •• , •••) for additional functions: intercom calls, video door phone auto-on, video switching, etc.
- Image brightness and contrast adjustment.



1. door lock release button
2. auxiliary buttons
3. contrast adjustment command
4. brightness adjustment command
5. call volume command and adjustment

BUTTONS FUNCTION

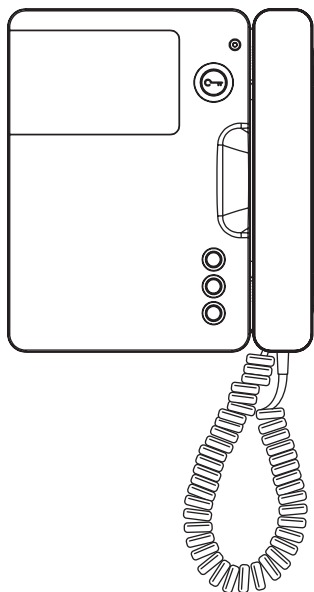
Button				
State				
Idle and on-hook	Pedestrian door lock release	Driveway door lock release	Auto-on	Scroll video-memory
Off-hook waiting time	Pedestrian door lock release	Driveway door lock release	Video switching	Special function
Speaking	Pedestrian door lock release	Driveway door lock release	--	Special function
Idle and off-hook	Pedestrian door lock release	Intercom call (default: not programmed)	Intercom call (default: switch board call)	Intercom call (default: not programmed)

TECHNICAL CHARACTERISTICS

Power supply voltage:	16 – 18,5Vdc
Current consumption:	Operating: max 0,35A
	Idle: 0A
Operating power consumption:	max 6,5W
CCIR Vers.:	Vertical frequency: 50Hz ± 2Hz
	Horizontal frequency: 15625Hz ± 300Hz
Video signal:	1Vpp 75Ω nominal
	1Vpp -6 dB minimum
	4,5” flat, neck 13mm
	P45
Kinescope:	81 x 59mm
Phosphor:	vert. 5% max.
Screen dimensions:	horiz. 5% max.
Geometric distortion:	barrel 10% max.
Luminance:	170cd/m² with max. adj.
X-rays:	free
Switch-on delay:	4sec. Max
Transmitting microphone :	electret microphone
Receiving microphone:	45Ω loudspeaker
Operating temperature range:	-5° ÷ +50°C
Max. humidity:	90% UR



COLOUR SIGNO VIDEO DOOR PHONE



Signo colour video door phone allows to obtain the same performances as the device ref. 1740/1, except for displaying mode.

Also this model has been designed by architect Citterio and has a perfectly flat surface harmonized with the absence of corners.

On the front panel there are the button for door opening, backlit by leds, and 3 buttons for additional services as intercom calls, auto-on function, video switching, etc.

Signo video door phone has an electronic management of the call ring tone with a loudspeaker dedicated to this function, placed under the handset. Also the switch used to adjust the call volume with "Mute" function is hid by the handset.

The apartment station is provided with a special handset, that allows to hard of hearing people, equipped with a suitable earphone, to listen who is speaking from the push button panel: the loudspeaker system can drive acoustic devices for hearing-impaired with function "T". For installation, no masonry works are needed and all connections can be made on the bracket, to which it is fixed.

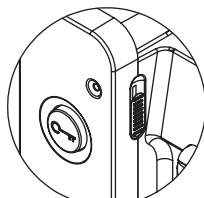
For a better adaptability to various architectonic environments, the video door phone is available in the following colours:

- white **Ref. 1740/40**
- anthracite **Ref. 1740/41**
- platinum **Ref. 1740/42**

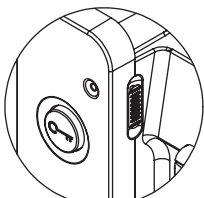
CHARACTERISTICS

The main video door phone characteristics are the following:

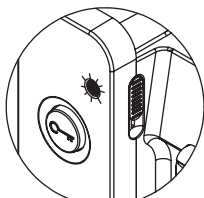
- 4" colour flat video module
- Call volume adjustment and mute function. When "Mute" function is active, the light on the front panel is red.



MAX.



MIN.



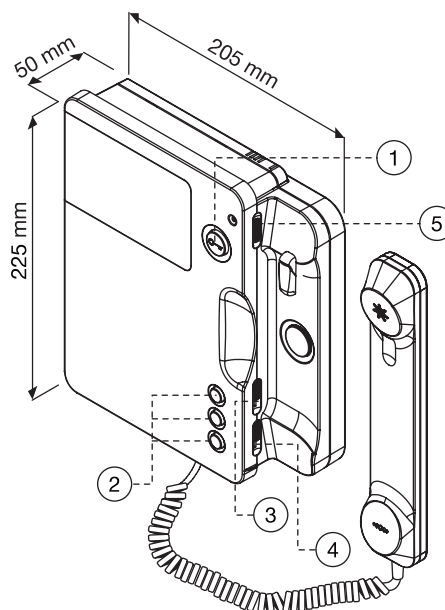
MUTE



With volume adjustment in "Mute" position, the video door phone does not emit the call ring tone, but the video module turns on.

- Door lock release button backlit by leds when the video module is turned on.
- Service buttons (• , •• , •••) for additional functions: intercom calls, video door phone auto-on, video switching, etc.

- Image brightness and contrast adjustment.
- Video standard automatic selection according to the input signal frequency.



1. door lock release button
2. auxiliary buttons
3. colour adjustment command
4. brightness adjustment command
5. call volume command and adjustment

BUTTONS FUNCTION

Button	Key	•	••	•••
State				
Idle and on-hook	Pedestrian door lock release	Driveway door lock release	Auto-on	Scroll video-memory
Off-hook waiting time	Pedestrian door lock release	Driveway door lock release	Video switching	Special function
Speaking	Pedestrian door lock release	Driveway door lock release	--	Special function
Idle and off-hook	Pedestrian door lock release	Intercom call (default: not programmed)	Intercom call (default: switch board call)	Intercom call (default: not programmed)

TECHNICAL CHARACTERISTICS

Power supply voltage:	16 – 18,5Vdc
Current consumption:	Operating: max 0,35A Idle: 0A
Operating power consumption:	max 6,5W
CCIR Version:	Vertical frequency: 50Hz ± 2Hz Horizontal frequency: 15625Hz ± 300Hz
EIA Version:	Vertical frequency: 60Hz ± 2Hz Horizontal frequency: 15734Hz ± 300Hz
Video signal:	1Vpp 75Ω nominal 1Vpp -6 dB minimum 4" backlit
Kinescope:	380H x 250V pixel
Resolution:	PAL
Colour system:	4sec. Max
Switch-on delay:	electret microphone
Transmitting microphone:	45Ω loudspeaker
Receiving microphone:	-5° ÷ +50°C
Operating temperature range:	90% UR
Max. humidity:	



SIGNO VIDEO DOOR PHONE

SIGNO BRACKET – INSTALLATION CONFIGURATION OF APARTMENT STATIONS BRACKETS

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SIGNO BRACKET Ref. 1740/83

Signo video door phones are provided without fixing bracket, that must be bought separately.

The bracket Ref. 1740/83 used with black/white or colour Signo video door phones allows to obtain the following performances:

- Not polarized video input
- In/out video connection
- Video connection with distributor Ref.1083/55
- Input for floor call button
- Output for an additional ringer, to repeat the ring tone of a call received from the video door phone
- Dip-switch user and internal code programming with dip-switch.
- Line termination with jumper in case of connection as last device of a branch.

TERMINAL PINS DESCRIPTION

⊗	LINE IN	Incoming Bus line
⊗	LINE OUT	Outgoing Bus line
⊗	CP	Floor call button
⊗	S+	Supplementary ringer connection positive
⊗	S-	Supplementary ringer connection negative

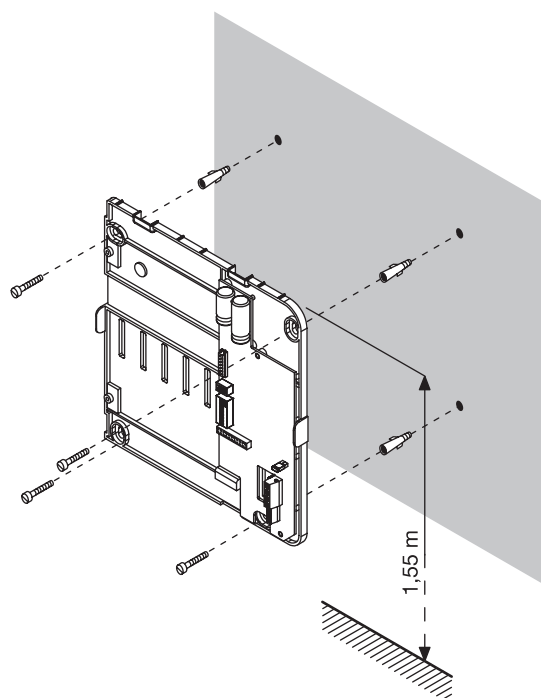
TECHNICAL CHARACTERISTICS

Power supply voltage:	36 – 48Vdc
Current consumption in standby:	3,0 mA max
Max. current consumption:	500 mA max (with video door phone)
Operating temperature range:	-5°C ÷ +45°C
Reference standards:	EN 61000-6-3 EN 61000-6-1

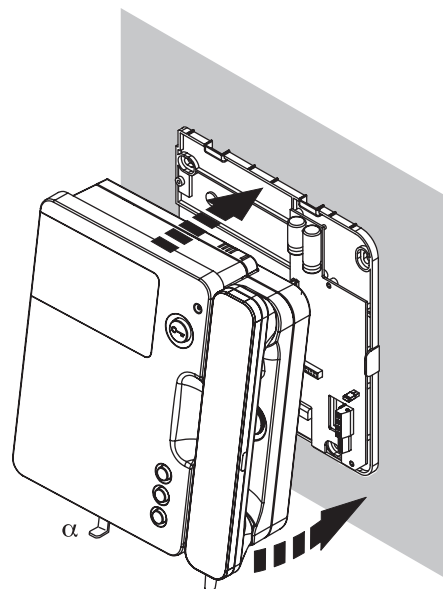
INSTALLATION

To install Signo video door phone and its bracket perform the following operations:

1. Arrange the cable conduits in order to match the holes present on the bracket for the passage of the cables.
2. Fix the bracket to the wall with the provided screws and screw anchors.

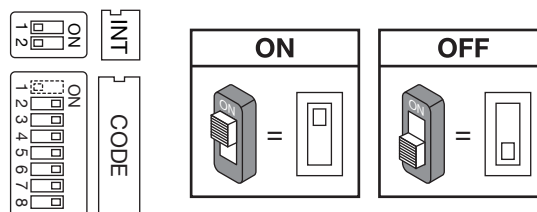


3. Remove the carton protection sheet from the bracket.
4. Connect the wires to the suitable terminal pins.
5. Configure the dip-switches.
6. Remove the stop hook α by pulling it down.
7. Hang the video door phone as shown in the figure.
8. Lock the video door phone by pushing the stop hook α up.



The switch on the video door phones can be in position "A" or "B".

CONFIGURATION OF APARTMENT STATIONS BRACKETS



Valori default: All the brackets have the following factory default setting:
 USER= 127
 INTERNAL = 0

Therefore, for the proper operation of the system, **always pay attention to dip switches, in order to configure them with correct value.**

CODE: user code

Set a number from 0 to 127, according to the following rules:

- In the same column, each apartment must have a different user code.
- Apartment stations in parallel in the same apartment must have the same user code.
- **The user code of the same column must be consecutive.**

To set the desired code, use the dip-switches CODE from 2 to 8 (2= more significant bit - 8= less significant bit); the dip-switch 1 must always be set to OFF.



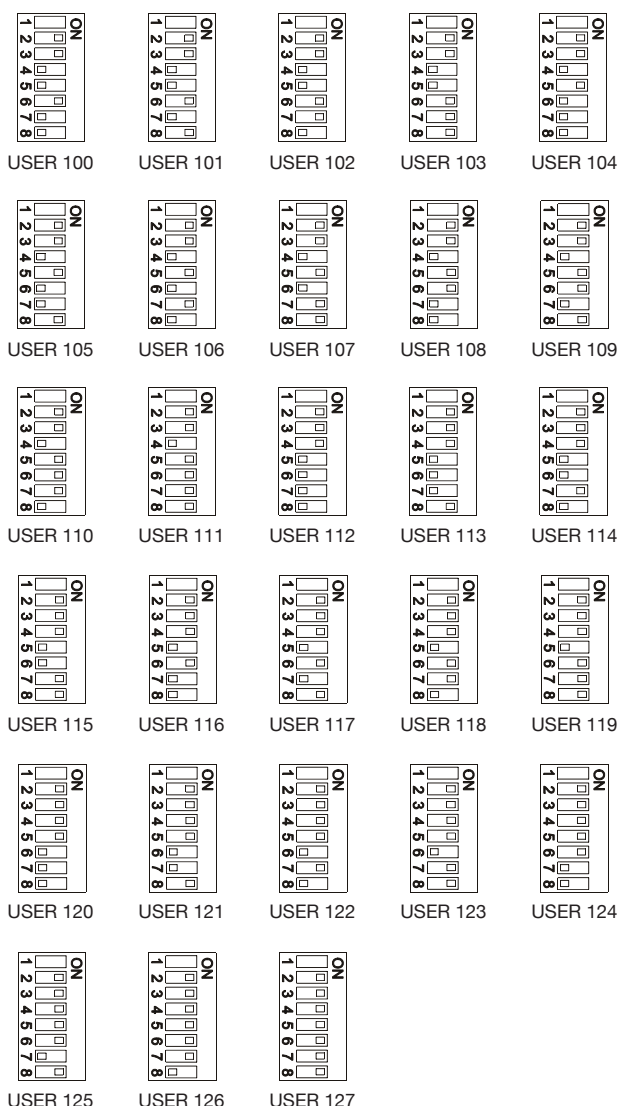
USER 0	USER 1	USER 2	USER 3	USER 4	USER 50	USER 51	USER 52	USER 53	USER 54
USER 5	USER 6	USER 7	USER 8	USER 9	USER 55	USER 56	USER 57	USER 58	USER 59
USER 10	USER 11	USER 12	USER 13	USER 14	USER 60	USER 61	USER 62	USER 63	USER 64
USER 15	USER 16	USER 17	USER 18	USER 19	USER 65	USER 66	USER 67	USER 68	USER 69
USER 20	USER 21	USER 22	USER 23	USER 24	USER 70	USER 71	USER 72	USER 73	USER 74
USER 25	USER 26	USER 27	USER 28	USER 29	USER 75	USER 76	USER 77	USER 78	USER 79
USER 30	USER 31	USER 32	USER 33	USER 34	USER 80	USER 81	USER 82	USER 83	USER 84
USER 35	USER 36	USER 37	USER 38	USER 39	USER 85	USER 86	USER 87	USER 88	USER 89
USER 40	USER 41	USER 42	USER 43	USER 44	USER 90	USER 91	USER 92	USER 93	USER 94
USER 45	USER 46	USER 47	USER 48	USER 49	USER 95	USER 96	USER 97	USER 98	USER 99



SIGNO VIDEO DOOR PHONE

FEATURES

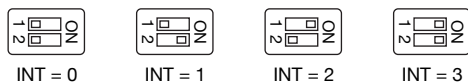
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INT: apartment station internal code.

Set a number from 0 to 3, following the instructions below:

- If in the apartment there is only one apartment station, the internal code must be set to 0.
- In apartments, up to 4 apartment stations can be connected in parallel with the same user code, but with different internal codes.



The internal code is used to identify the single apartment stations of the same user. This allows to perform intercom calls to the single station inside the same apartment.

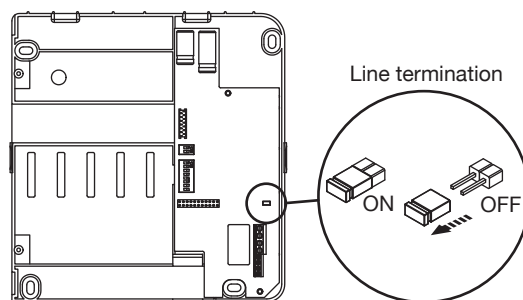
In case of intercom calls to another apartment, calls coming from call stations or floor call, all the apartment stations of that user ring.

Consider also the following information:

- After receiving a call, the internal code 0 rings immediately and the internal codes 1, 2 and 3 ring in sequence.
- If the call comes from a video door phone call station, the internal code 0 switches also the monitor on.

However, the other stations of that user can press button to switch their monitor on and switch off the other ('video switching' function).

LINE TERMINATIONS SETTING



On apartment stations there is a jumper that allows to add the line termination.

The line termination must be activated in all the wired devices at the end of a line that has no other segments starting from the LINE OUT terminal pins of the device.

FEATURES

CALL RECEIVING AND VIDEO TRANSFER FUNCTION

When a call is received, the user apartment station rings with the programmed tone, according to the source:

- From main door unit
- From secondary door unit
- From Intercom
- From floor call
- From switchboard

When receiving a video door phone or door phone call, the door unit electric lock can always be activated, also without starting a conversation.

If in the apartment there are more apartment stations in parallel, the stations ring in sequence. If the call comes from a video door phone call station, the internal code with INT=0 of the user also switches the video door phone on.

In this case, during off-hook waiting time (60s starting from the call), the other internal codes can switch their video door phone on by pressing the auto-on button ('video transfer' function), until a video door phone of the called user answers.

If the image is already displayed, press the button to display cyclically the images coming from the surveillance cameras of the calling station only.

After picking up the handset or audio activation in case of hands-free stations, the image coming from the main camera will be displayed only on the apartment station which has answered.

So the image is always displayed on a single apartment station.

AUTO-ON

If the apartment station is in standby mode, press the button on the video door phone to perform an auto-on function.

Press the button again to cyclically display the picture from the surveillance cameras installed in the main door units in the system and the secondary door units of the column to which the device belongs. By picking the handset up the user starts a conversation with the selected call station. With audio conversation active, the user can open the door at any time.

INTERCOM CALLS

After programming an apartment station button for intercom function, activate audio by picking the handset up. Then press the intercom call button.

The following cases can occur, according to column state:

- Column free: the calling apartment station emits a confirmation tone (2 beep) and the called apartment station rings. When the user picks the handset up, the conversation can start.
- Column busy: the apartment station emits an alert tone (4 fast beeps). Hang up and try again later.



FLOOR CALL

Apartment station is provided with two terminal pins (CP) used to connect the floor call button. If the button is pressed, the apartment station emits a 3s ring, according to the selected call ring tone. If the user has several apartment stations in parallel, connect this button only to one apartment station. However, apartment stations will ring in sequence.

ADDITIONAL RINGER

Apartment stations are provided with two terminal pins (S+, S-) used to connect an additional ringer or a relay. This ringer is activated at the same time as any call ring tone.

OPTIONAL PROGRAMMING

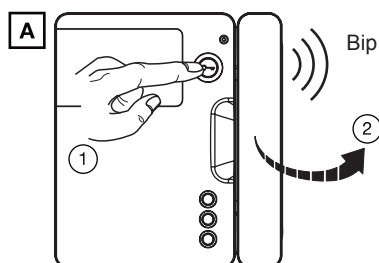
The following programming operations are needed after testing the basic operation of the system, only if are required.

INTERCOM FUNCTION

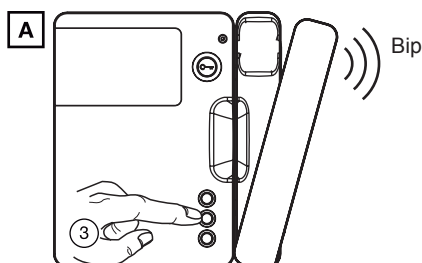
In 2VOICE system, an apartment station button (••••• or buttons 1÷6 on add-on buttons unit Ref. 1083/96) can be programmed to call another user of the same column or to call another internal code of the same apartment station. In the first case, all the internal codes of the called user will ring; in the second case, only the internal code specified in programming will ring.

INTERCOM FUNCTION BETWEEN DIFFERENT USERS

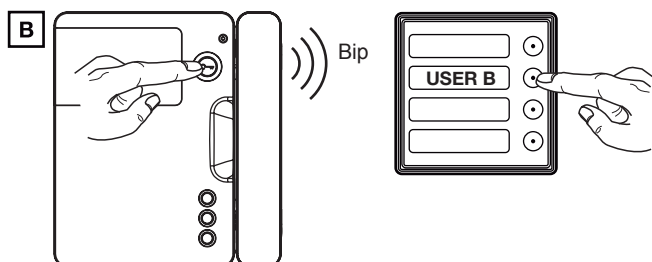
- Go to the apartment station to be programmed as caller (apartment station A).
- Keeping the door lock release button pressed, pick the handset up. The apartment station A emits a beep to signal the access to programming mode.



- Press the button to be programmed; the apartment station emits a confirmation tone.



- Go to the user to be called by that button (user B) and press the door lock release button. The apartment stations emit a beep to indicate that they have been programmed. Alternatively, go to a call station and press the call button of user B; the apartment station in programming mode (A) emits a beep to signal that it has been programmed. At the same time, user B apartment stations ring. Ignore this call.

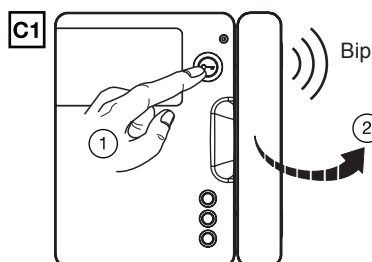


- Hang up the handset of the apartment station A, that emits a beep to indicate the exit from the programming mode.
- Check the programmed function: pick up the handset A and press the programmed button. All user B stations ring; when answering, the communication is activated.
- If you want to program also the inverse call, it is necessary to program the apartment station B for the call to the apartment station A.

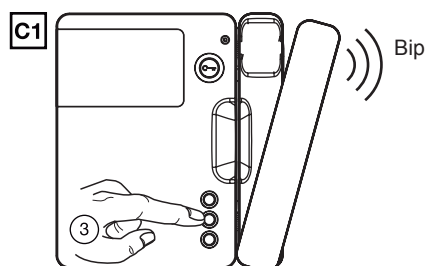
If buttons are programmed for this function, the other functions are not lost, because the intercom call is performed keeping the handset picked up.

INTERCOM FUNCTION IN THE SAME APARTMENT

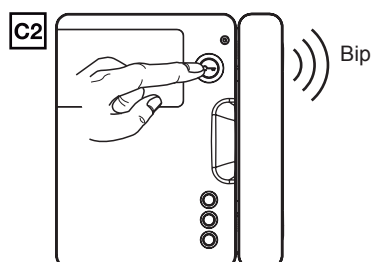
- Go to the apartment station to be programmed as caller (apartment station C1).
- Keeping the door lock release button pressed, pick the handset up. The apartment station C1 emits a beep to signal the access to button programming mode.



- Press the button to be programmed; the apartment station C1 emits a confirmation tone.



- Go to the apartment station to be called by that button (apartment station C2) and press the door lock release button. The apartment stations C1 and C2 emit a beep to indicate that they have been programmed.



- Hang up the handset of the apartment station C1, that emits a beep to indicate the exit from the programming mode.



SIGNO VIDEO DOOR PHONE

CALL RING TONE PROGRAMMING

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- Check the programmed function: pick up the handset C1 and press the programmed button. The apartment station C2 ring; when answering, the communication is activated.
- If you want to program also the inverse call, it is necessary to program the apartment station C2 for the call to the apartment station C1.





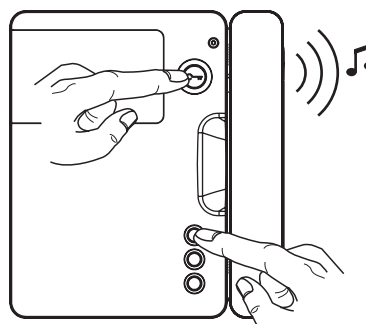
If buttons are programmed for this function, the other features are not lost, because the intercom call is performed keeping the handset picked up.

CALL RING TONE PROGRAMMING

In 2VOICE system each user can select the video door phone call ring tone and the floor call ring tone among the 5 available ones.

DOOR PHONE CALL RING TONE



- By keeping the door lock release button pressed, press and release the button .
- The apartment station emits a call ring tone.
- By keeping the door lock release button pressed, press again the button  to change the call ring tone.
- When the call ring tone has been selected, release the door lock release button.
- The call ring tone is programmed.

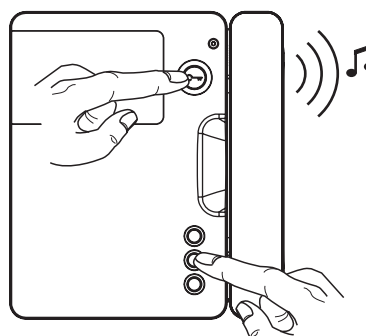


The selected call ring tone is the same for all door phone calls. However, the call ring tone source can be identified thanks to the call ring tone timing.

Call source	Time	Ring total duration
Main call station	3 s ON	3 s
Secondary call station	0,4 s ON 0,2 s OFF for 5 times	2,8 s
Intercom	0,5 s ON 0,5 s OFF for 3 times	2,5 s
Switchboard	0,1 s ON 0,05 s OFF for 3 times pause 0,2 s repeated for 5 times	2,8 s

FLOOR CALL RING TONE

- By keeping the door lock release button pressed, press and release the button .
- The door unit emits a ring with a ring tone.
- By keeping the door lock release button pressed, press again the button  to change the call ring tone.
- When the call ring tone has been selected, release the door lock release button.
- The call ring tone is programmed.





PROGRAMMING DATA DELETING

To delete all optional programming data (intercom call codes), perform the following operations:

- By keeping the door lock release button pressed, pick the handset up.
- Press at the same time the buttons ● and ● and keep them pressed for 3 seconds until a tone confirming the deletion is emitted.
- Release the buttons ● and ● and hang the handset up.



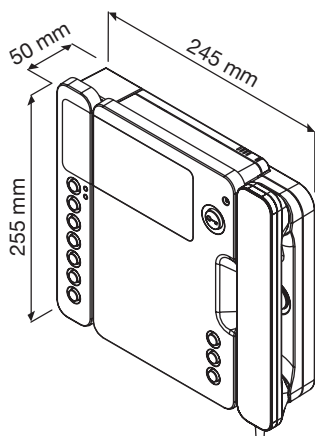
The deleting procedure does not change the previously selected call ring tones.

Warning: when programmed data are deleted, also the column code will be deleted; it will be automatically acquired after about 5 minutes.

ACCESSORIES FOR SIGNO VIDEO DOOR PHONE

ADD-ON BUTTONS UNIT Ref. 1083/96

For intercom systems, where more than three call buttons are needed, and/or systems, where the automatic pedestrian door opening is needed after a call, an additional add-on buttons unit ref. 1083/96 must be bought and combined with the basic video door phone.



Automatic door lock release function and open door signalling function are active only if the add-on buttons unit is combined with the video door phone with internal code = 0.

AUTOMATIC DOOR LOCK RELEASE FUNCTION

This function can be enabled/disabled with the switch ☐ of the add-on buttons unit ref. 1083/96.

When the function is active, the green led turns on and, when a call coming from a door unit is received, the door lock release command is sent.



With door lock release in "free" mode, after a call all the locks will be activated.

'MASTER' DOOR UNIT OPEN DOOR SIGNALLING

If a normally closed door sensor (with closed door) is connected to call stations between the terminal pins SP and CT, apartment stations can show the physical state of that door.

It is possible to display the state of the door of the call station, from which the call has been sent and to which a door lock release command has been sent.

If the door of the main call station is open, the led is turned on steady, if the door of the secondary call station is open, the led blinks.

INTERCOM CALLS

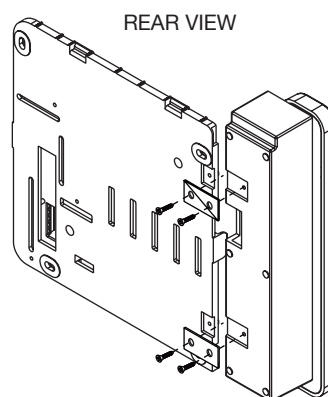
To perform intercom calls to other users of the same column, the 6 buttons of the add-on buttons unit can be programmed for 6 calls. Programming and operations are the same as the video door phone basic buttons used for intercom functions.

BUTTONS FUNCTION

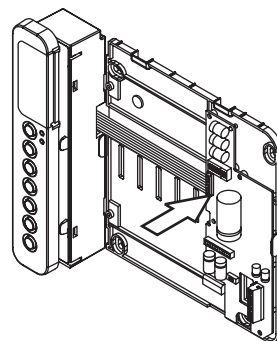
State \ Buttons	1 ÷ 6	<input type="checkbox"/>
Idle and on-hook	Special function	Automatic door lock release
Off-hook waiting time		
Speaking		
Idle and off-hook	Intercom call (default: not programmed)	

ADD-ON BUTTONS UNIT INSTALLATION

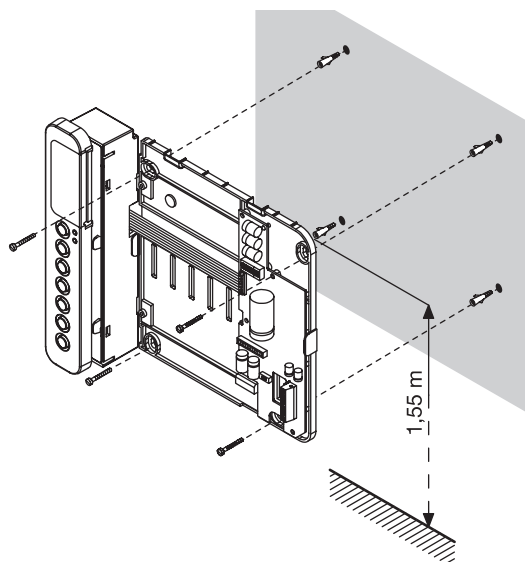
1. Fix the add-on buttons unit to the bracket using the provided plates.



2. Remove the carton protection sheet from the bracket.
3. Connect the provided flat cable on the video door phone bracket.



4. Arrange the cable conduits in order to match the holes present on the bracket for the passage of the cables.
5. Fix the bracket to the wall with the provided screws and screw anchors.



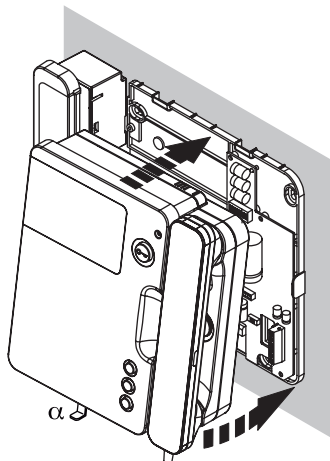


SIGNO VIDEO DOOR PHONE

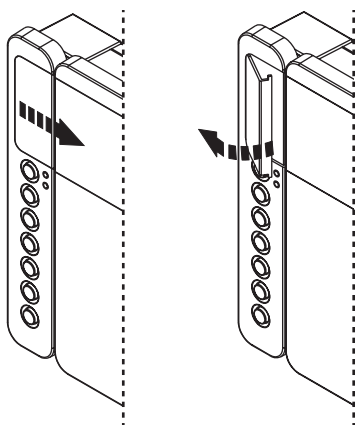
ACCESSORIES FOR SIGNO VIDEO DOOR PHONE

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6. Connect the wires to the suitable terminal pins.
7. Configure the dip-switches.
8. Remove the stop hook α by pulling it down.
9. Hang the video door phone as shown in the figure.
10. Lock the video door phone by pushing the stop hook α up.



To gain access to the name holder tag, remove the transparent cover.



KIT FOR TABLETOP MOUNTING Ref. 1740/92

Signo can be table-mounted using the specific kit Ref. 1740/92.

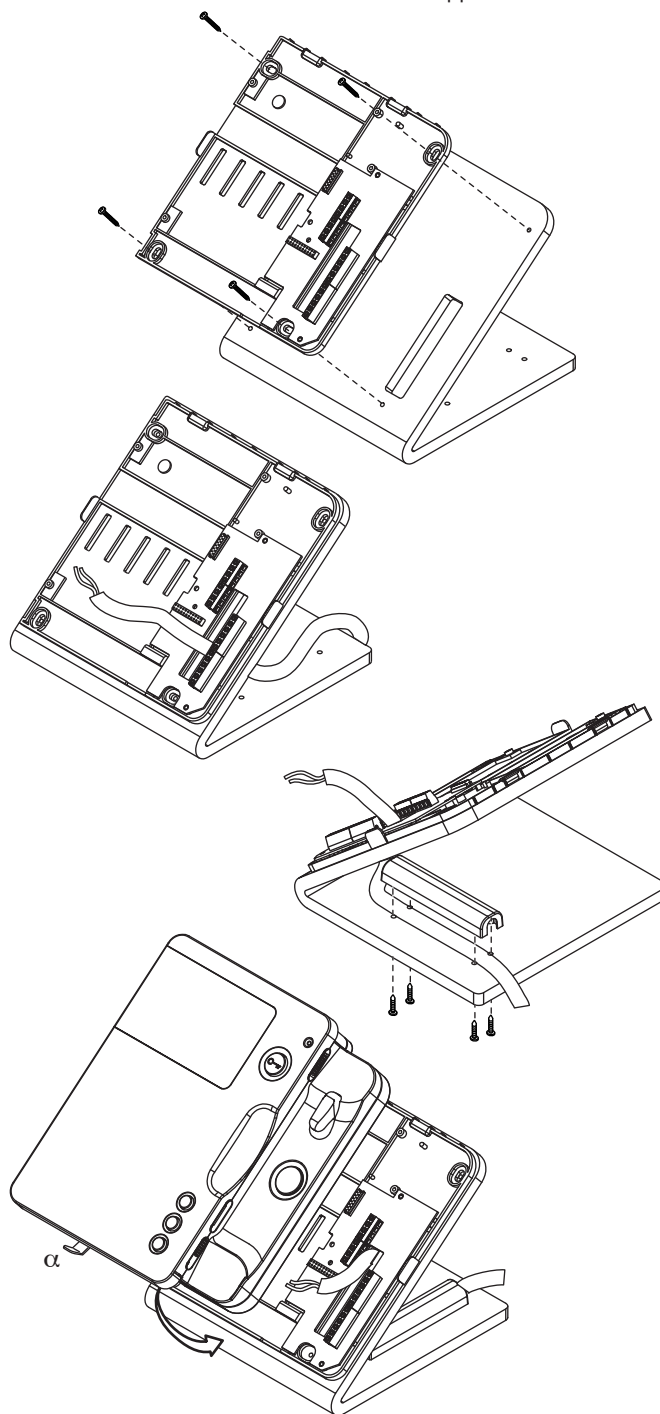
Proceed as follows:

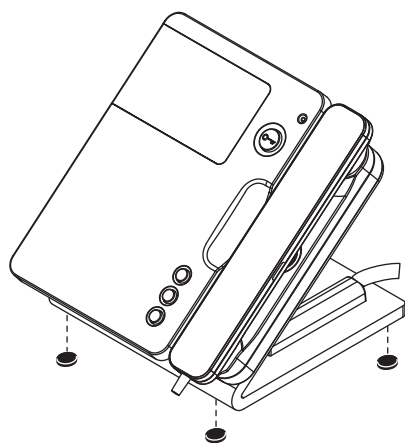
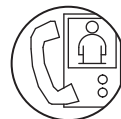
- Fasten the bracket to the tabletop stand
- Insert the wire through the rear hole of the support and fasten it using the U-bolt and the screw provided.
- Connect the wires to the specific terminals on the bracket.



The system cable must not be connected to the wiring junction box provided with the table-top kit, but directly to the video door phone bracket.

- Extract the retainer hook α from the video door phone.
- Fit the video door phone on the bracket and fasten it by pushing the hook α up.
- Mount the feet on the bottom side of the support.





With the table-top kit, in-out connection is not allowed.

TABLE-TOP SUPPORT FOR VIDEO DOOR PHONE WITH ADD-ON BUTTONS UNIT Ref. 1740/93

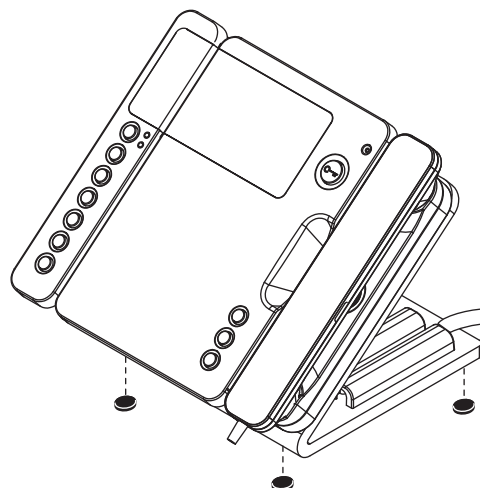
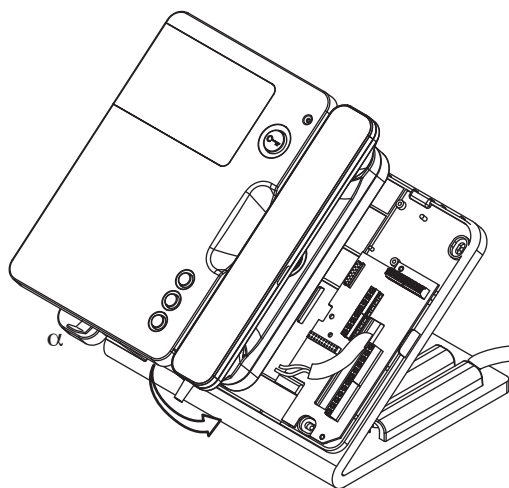
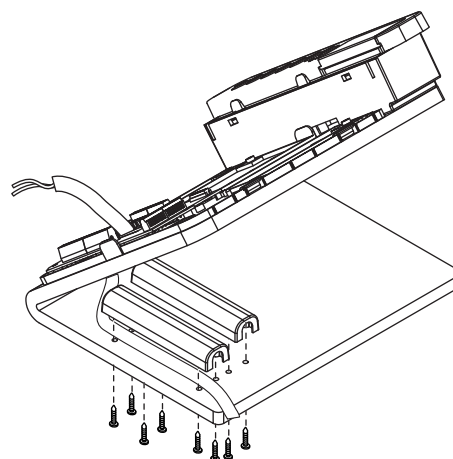
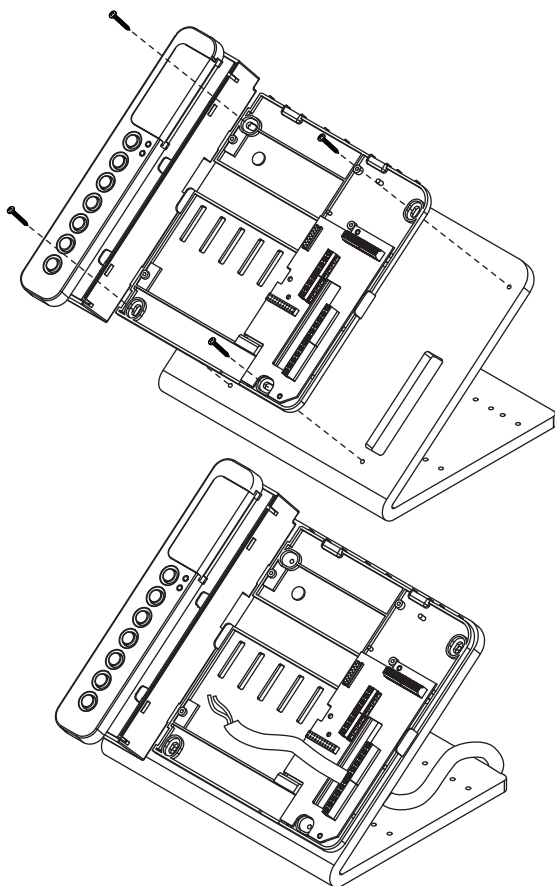
To install the table-top mounting video door phone with add-on buttons unit, buy the proper support Ref. 1740/93.

Proceed as follows:

- Fix the bracket to the table-top adaptor.
- Insert in the support rear hole the cable and fix it with the provided jumper and screws.
- Connect the cables to the suitable terminal pins of the bracket.

The system cable must not be connected to the wiring junction box provided with the table-top kit, but directly to the video door phone bracket.

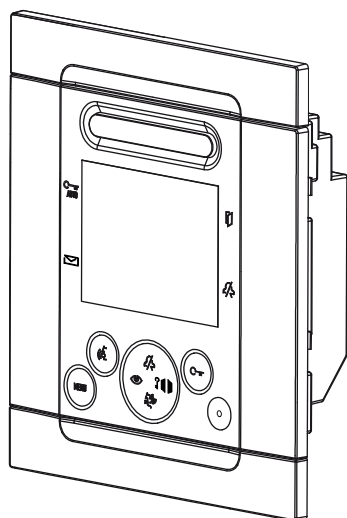
- Pull out the stop hook α from the video door phone.
- Insert the video door phone in the bracket and lock it by pushing the hook α up.
- Mount the feet on the bottom side of the support.



With the table-top kit, in-out connection is not allowed.



FOLIO FLUSH-MOUNTED COLOUR HANDSFREE VIDEO DOOR PHONE



The Folio video door phone is a flush-mounted colour device with hands-free audio function.

It protrudes only a few millimetres from the wall and its style suggestive of the Simon Urmet Nea wiring accessory design. It has a shiny "iPod effect" front panel.

All settings are simply and intuitively made on an OSD (On Screen Display) menu with graphic icons and integrated textual descriptions using a handy four-position joypad.

Folio may be customised by the user by changing, for instance, the display colours and themes and programming a different ring tone for different call types.

On the front panel, besides navigation joypad, also buttons dedicated to system main functions are available.

The internal name directory, programmable by the user, may be used to establish intercom calls to 32 users.

The Folio come in two versions of different colour:

- Black front
- White front

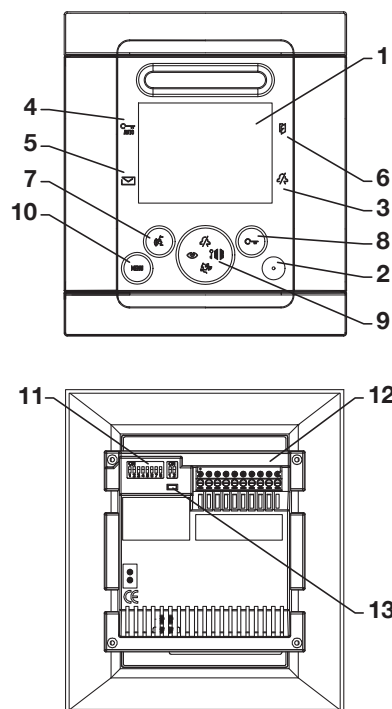
Ref. 1706/5
Ref. 1706/6

CHARACTERISTICS

The main features of the video door phone are:

- Flat 3.5" LCD backlit colour module.
- Wide viewing angle in all directions also without mechanical tilting.
- Call speaker separate from audio speaker.
- 4 backlit icons for activating various functions arranged by the two sides of the display.
- Backlit buttons with RGB variable colour LED programmable by the user.
- Automatic door opening function activatable from menu: a door opening command is sent when a call is received from a door unit. A LED indicates when the function is on.
- Adjustable audio volume and call volume with muting function.
- Adjustable brightness and contrast from menu.
- Video standard automatic selection according to the input signal frequency.

Use mild detergents for delicate surfaces and a soft cloth to clean the front panel of the video door phone. Do not use abrasive materials.



- 1 - Display
- 2 - Microphone
- 3 - Mute indicator led (green led)
- 4 - Automatic door opener on indicator led (green led)
- 5 - Indication of present messages (green led)
- 6 - Indication of open door or absence active (red led)
- 7 - Button used to activate/deactivate audio - contextual button X
- 8 - Door opener button - contextual button OK
- 9 - Function buttons

	Video door phone mode	Menu mode
	Ringer Mute	↑
	Gate opening	→
	Call to switchboard	↓
	Auto-on	←

- 10 - Menu button
- 11 - Configuration dip-switch:
 - 2 to define the number of video door phone inside the apartment
 - 8 to define the number of the apartment in the column
- 12 - Terminal pins for connection to the system
- 13 - Line termination

Folio Touch video door phone is provided with an embedded device for hard of hearing.



TECHNICAL CHARACTERISTICS

Power voltage:	36 – 48Vdc
Working Uptake:	160mA max
Stand-by:	3mA
CCIR Version	Vertical frequency: 50Hz ± 2Hz
	Horizontal frequency: 15625Hz ± 300Hz
EIA Version	Vertical frequency: 60Hz ± 2Hz
	Horizontal frequency: 15734Hz ± 300Hz
Video signal:	1Vpp 75Ω nominal
	1Vpp -6dB minimum
LCD:	3.5" backlit
Horizontal viewing angle:	+60° ÷ -60°
Vertical viewing angle:	+50° ÷ -55°
Brightness:	>250cd/m ²
Screen size:	70 x 52mm
Resolution:	960H x 240V pixel
Colour system:	PAL
Switch-on delay:	4 sec. max
Transmitting capsule:	electret microphone
Receiving capsule:	speaker 45Ω
Operating temperature range:	-5° ÷ +45°C
Max. humidity:	95% UR

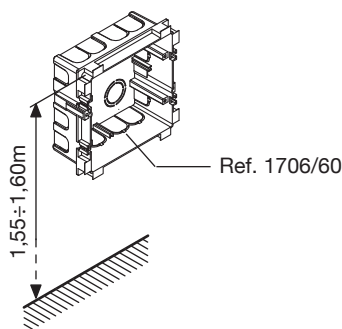
TERMINALS PINS DESCRIPTION

⊗	LINE IN	Incoming Bus line
⊗	LINE OUT	Outgoing Bus line
⊗	CP	Floor call button
⊗	S+	Supplementary ringer connection positive
⊗	S-	Supplementary ringer connection negative

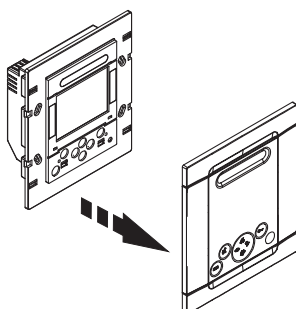
INSTALLATION

ON BRICK WALLS

For installing the Folio video door phone on brick walls, purchase the specific box and fix it to the wall at a height showed in following figure.

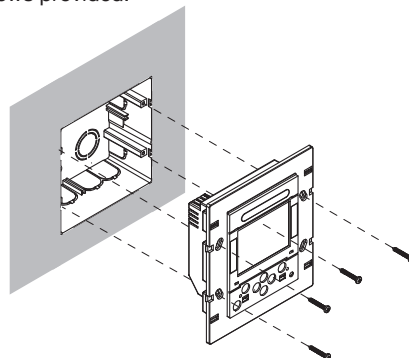


Remove the clip-on frame mounted on the support.

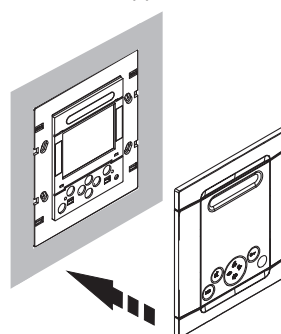


Perform the connections and dip-switch settings.
Then fix the video door phone to the flush-mounting box by means of

the four screws provided.



Snap the front panel onto the support.



Remove the protective film at the end of the operation.



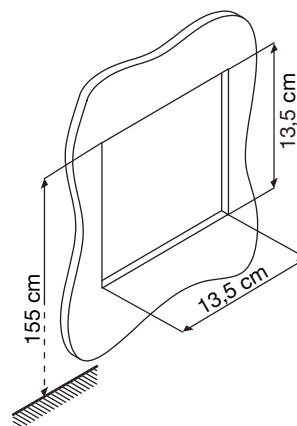
After installation, the device will protrude by 8mm from the wall.
The frame dimensions on the wall are 148 x 170mm. The flushmounting depth is equal to 58mm

ON PLASTERBOARD WALLS

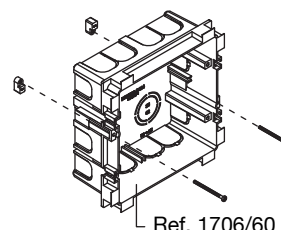
For installing the Folio video door phone on plasterboard walls, purchase kit Ref. 1706/61 in addition to the specific box Ref. 1706/60.

Proceed as follows:

- Break the wall at a height of approximately 1,55 - 1,60m from the floor according to the dimensions shown in the following drawing.



- Fit the kit components on the flush-mounting box.



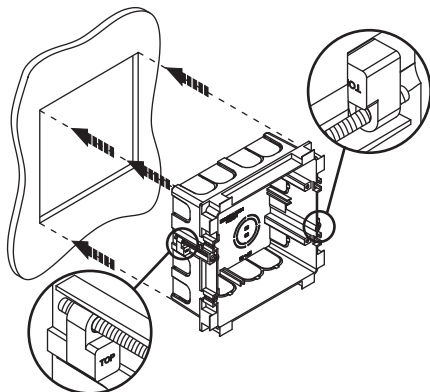


FOLIO FLUSH-MOUNTED COLOUR HANDSFREE VIDEO DOOR PHONE

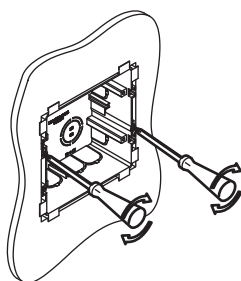
CONFIGURATION OF APARTMENT STATIONS BRACKETS

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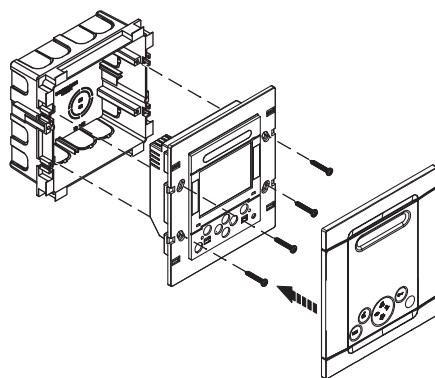
- Insert the box in the hole.



- Fasten the screws of the kit to secure the box.

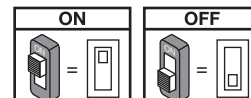
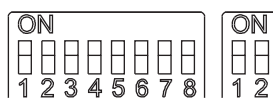


- Then fix the video door phone to the flush-mounting box by means of the four screws provided and snap the front panel onto the support.



- Remove the protective film at the end of the operation.

CONFIGURATION OF APARTMENT STATIONS BRACKETS



Default values: all video door phones default configuration is the following:

USER = 127

INTERNAL CODE = 0

Therefore, for the proper operation of the system, **always pay attention to dip switches, in order to configure them with the correct value.**

CODE: user code.

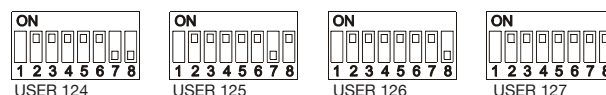
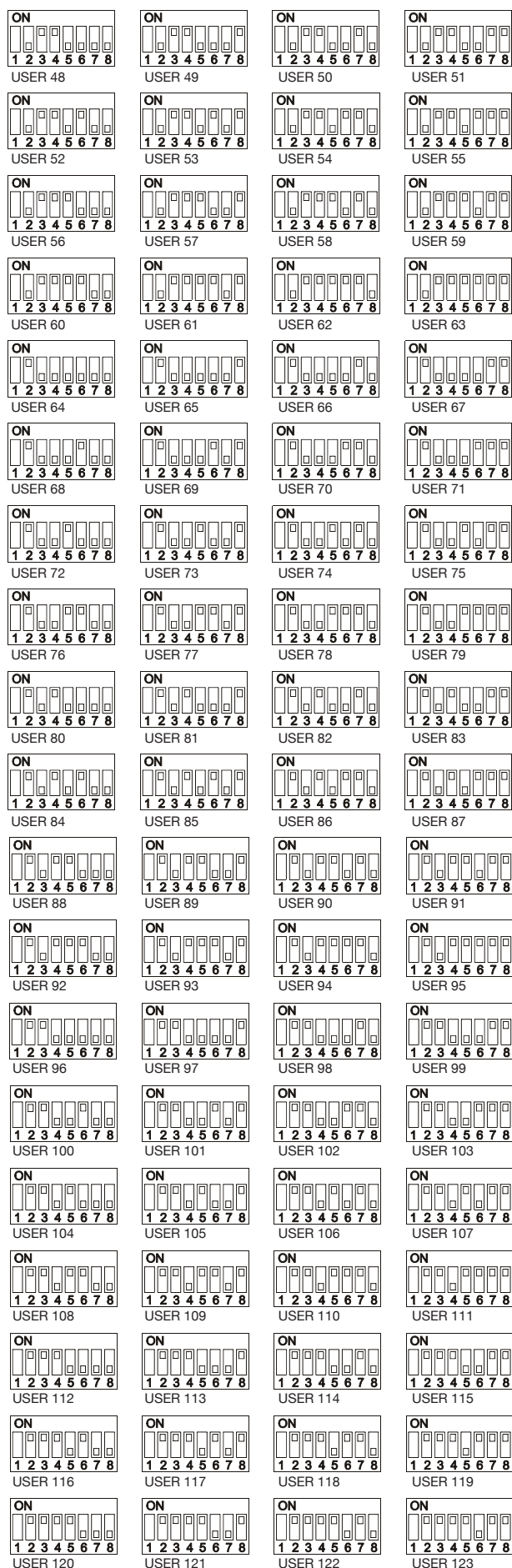
Set a number from 0 to 127, according to the following rules:

- In the column there must not be any apartments with the same user code.
- If there are apartment stations in parallel in the same apartment, these must have the same user code.
- The user codes of the same column must be consecutive.



To set the desired code, use the dip switches from 2 to 8 (2= most significant bit - 8= less significant bit); the dip-switch 1 must be set to OFF.

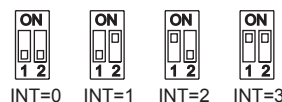
ON 1 2 3 4 5 6 7 8 USER 0	ON 1 2 3 4 5 6 7 8 USER 1	ON 1 2 3 4 5 6 7 8 USER 2	ON 1 2 3 4 5 6 7 8 USER 3
ON 1 2 3 4 5 6 7 8 USER 4	ON 1 2 3 4 5 6 7 8 USER 5	ON 1 2 3 4 5 6 7 8 USER 6	ON 1 2 3 4 5 6 7 8 USER 7
ON 1 2 3 4 5 6 7 8 USER 8	ON 1 2 3 4 5 6 7 8 USER 9	ON 1 2 3 4 5 6 7 8 USER 10	ON 1 2 3 4 5 6 7 8 USER 11
ON 1 2 3 4 5 6 7 8 USER 12	ON 1 2 3 4 5 6 7 8 USER 13	ON 1 2 3 4 5 6 7 8 USER 14	ON 1 2 3 4 5 6 7 8 USER 15
ON 1 2 3 4 5 6 7 8 USER 16	ON 1 2 3 4 5 6 7 8 USER 17	ON 1 2 3 4 5 6 7 8 USER 18	ON 1 2 3 4 5 6 7 8 USER 19
ON 1 2 3 4 5 6 7 8 USER 20	ON 1 2 3 4 5 6 7 8 USER 21	ON 1 2 3 4 5 6 7 8 USER 22	ON 1 2 3 4 5 6 7 8 USER 23
ON 1 2 3 4 5 6 7 8 USER 24	ON 1 2 3 4 5 6 7 8 USER 25	ON 1 2 3 4 5 6 7 8 USER 26	ON 1 2 3 4 5 6 7 8 USER 27
ON 1 2 3 4 5 6 7 8 USER 28	ON 1 2 3 4 5 6 7 8 USER 29	ON 1 2 3 4 5 6 7 8 USER 30	ON 1 2 3 4 5 6 7 8 USER 31
ON 1 2 3 4 5 6 7 8 USER 32	ON 1 2 3 4 5 6 7 8 USER 33	ON 1 2 3 4 5 6 7 8 USER 34	ON 1 2 3 4 5 6 7 8 USER 35
ON 1 2 3 4 5 6 7 8 USER 36	ON 1 2 3 4 5 6 7 8 USER 37	ON 1 2 3 4 5 6 7 8 USER 38	ON 1 2 3 4 5 6 7 8 USER 39
ON 1 2 3 4 5 6 7 8 USER 40	ON 1 2 3 4 5 6 7 8 USER 41	ON 1 2 3 4 5 6 7 8 USER 42	ON 1 2 3 4 5 6 7 8 USER 43
ON 1 2 3 4 5 6 7 8 USER 44	ON 1 2 3 4 5 6 7 8 USER 45	ON 1 2 3 4 5 6 7 8 USER 46	ON 1 2 3 4 5 6 7 8 USER 47



INT: apartment internal code.

Set a number from 0 to 3, according to the following rules:


- If in the apartment there is only one station, the internal code must be set to 0.
- In apartments, up to 4 apartment stations in parallel with the same user code and different internal codes can be connected.



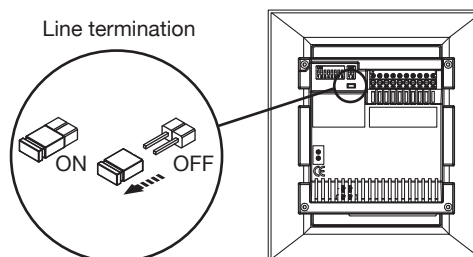
The internal code identifies each station of the same user. This means that intercom calls can be addressed to the single internal code in the same apartment.

In case of intercom calls to different apartments, in case of calls coming from door units and in case of floor call, all the user apartment stations always ring. Consider also the following information:

- after receiving a call, the internal code 0 rings immediately; the internal codes 1, 2 and 3 ring in sequence.
- If the call comes from a video call station, the internal code 0 turns the monitor on.

However, the other apartment stations of the same user can press the button  to turn their video door phone, turning off the other ('video transfer' function).

LINE TERMINATION SETTING



On the video door phone there is a jumper which allows to insert the line termination. The termination must be activated in all the devices installed at the end of a line that does not start again with another segment from the terminal pins LINE OUT.


FEATURES


CALL RECEPTION AND 'VIDEO TRANSFER' FUNCTION

When a call is received, the user apartment station rings with the programmed tone, according to the source:

- From main door unit
- From secondary door unit
- From Intercom
- From floor call
- From switchboard

When the door phone or video door phone call is received, it is always possible to activate the door unit electric lock also without activating the communication.

If in the apartment there are several apartment stations in parallel, the stations ring in sequence. The user internal code 0 also performs the video door phone power-on, if the call comes from a video door phone call station. In this case, during the off-hook waiting time (60s from the call), the other internal codes can turn their video door phone on by pressing the auto-on button  ('video transfer' function), until one of the video door phones of the called user answers.

If the image is already displayed, press the button  to cyclically display images coming from other control cameras of the caller station only.




FOLIO FLUSH-MOUNTED COLOUR HANDSFREE VIDEO DOOR PHONE

FEATURES



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After the audio activation, the image coming from the main camera will be displayed only on the screen of the answering apartment station. Therefore the camera image will be displayed on one apartment station at a time.

ANSWERING THE CALL



By pressing the button , the user establishes a communication with the caller (the button pressed starts blinking). By pressing again the button, the communication is closed and the display turns off.

DOOR LOCK RELEASE DURING A CALL AND OPEN DOOR INDICATION

After a call is received from a door unit or during the communication with a door unit, the pedestrian or driveway gate can be opened by pressing the buttons  and  respectively.

If the call modules are provided with open door sensor (and the absence service is not active), the led  can indicate if the door is really open or not: the led lights up steady if the open door is the main one, and blinks if the open door is the secondary one.

RINGER LOUDSPEAKER MUTE

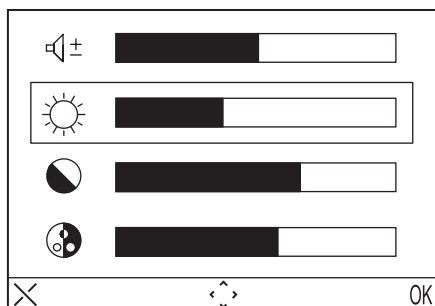
This function allows to disabled the call ringer. To activate this function, press the button . When the function is activated, the led MUTE  turns on and when a call is received, the device will not ring.

ADDITIONAL RINGER









The video door phone is provided with two terminal pins (S+, S-) for the connection of an additional ringer or a relay. This ringer is activated with any call ring.

AUDIO / VIDEO SETTINGS DURING CALL

When a call is received or during communication, some audio/video adjustments can be performed: by pressing the button **MENU**, the following screen appears





This menu will be displayed over the image coming from the door unit



- Select  (Loudspeaker volume),  (Brightness),  (Contrast),  (Colour) using directional buttons Up/Down ( / ).
- Select the desired value using directional buttons Right/Left ( / ).
- Press (OK) to confirm; press (X) to cancel or press MENU to quit the setting menu.

FLOOR CALL

The video door phone is equipped with a pair of terminal pins (CP) for the connection of a floor call button. When a floor call is received, the video door phone emits a ring, according to the ring tone selected by the user; the display does not turn on. If the user has several apartment stations in parallel, connect this button to only one apartment station. The internal codes will ring in sequence.


AUTO-ON

The auto-on function allows to see on the display the image captured by system call modules. When the system is in standby mode, press the button  and wait until the image is displayed on the video door phone (the first displayed image is the one coming from the main call module number 0); press again the button  to go to the next call modules. The first images displayed are those coming from the main call modules, then secondary of the belonging column.

By activating the audio with the button , an audio and video communication is established with the selected call station; by pressing again the button , the auto-on function is ended.

The auto-on function can not be performed if the column is already in conversation. If the auto-on function is activated when the column is already in conversation, the video door phone will emit an alert tone.

CALLING THE SWITCHBOARD

This function allows to establish a communication with the concierge switchboard: press the button  to send the call to the switchboard. If there is no answer within 10s, the video door phone will turn off and the call will be stored in the switchboard.




The call to the switchboard is only AUDIO.

INTERCOM CALL

Intercom call using the directory

The device allows to perform up to 32 intercom calls. There are two types of intercom calls: intercom call inside the same apartment and intercom call outside the apartment (the called device must be in the same column). To perform a call from the directory:

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the user to be called with directional buttons and press OK.
- When the call is sent, the monitor turns off.




If the system is busy, the user can not access the menu.


Intercom call using quick selection keys


The first 4 users of the video door phone directory can be called using quick selection keys; the first 4 users are associated to directional buttons as follows:

User 1 - 

User 2 - 

User 3 - 

User 4 - 

To perform an intercom call using quick selection keys, press the audio button  followed by a directional button. Press again the audio button to close the conversation.

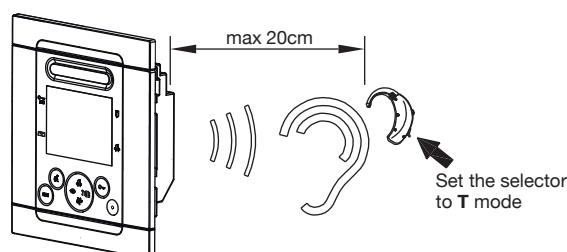
If the system is busy, the video door phone emits an alert tone.



The intercom call is only AUDIO.

FUNCTIONING WITH HEARING AID

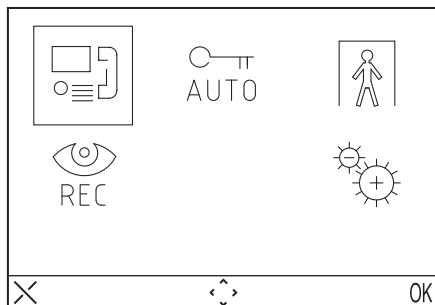
The video door phone is fitted with a device that allows hearing-impaired persons wearing a hearing aid to hear the person speaking from the call station or from another video door phone in the case of intercom calls. The device is able to interface hearing aids with "T" function at a distance of around 20 cm.





MENU

To access the video door phone main menu, press the button **MENU**. The display shows:



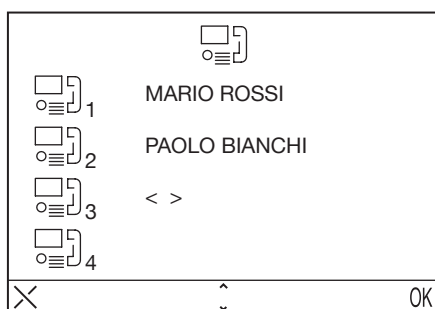
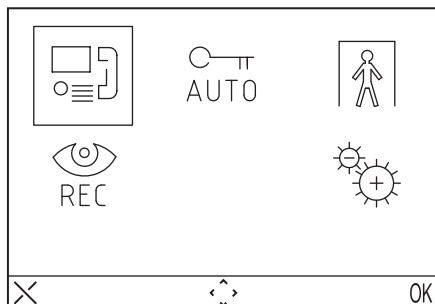
The device can return to standby mode at any moment by keeping the button X pressed for at least 3 seconds.

If the column is already in conversation, the device will not turn on and emit an alert tone.

CALL MENU

With this menu the user can call a name previously saved in the directory.

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the user to be called with directional buttons and press OK.
- When the call is sent, the monitor turns off.



AUTOMATIC DOOR LOCK RELEASE

The automatic door lock release function allows to directly open the door after receiving a call. To activate this function:

- Press the button **MENU** to access the menu.
- Select the icon and press OK. When the function is active, the LED turns on.

ABSENCE INDICATION (For future development)

The absence indication service allows to inform the system about the absence of people inside the apartment. To activate this function from the video door phone with INT = 0:

Press the button **MENU** to access the menu.

- Select the icon and press OK. When the function is active, the led blinks slowly.

VIDEO DOOR PHONE ANSWERING MACHINE

If there are recorded video messages, the led blinks slowly. To receive messages:

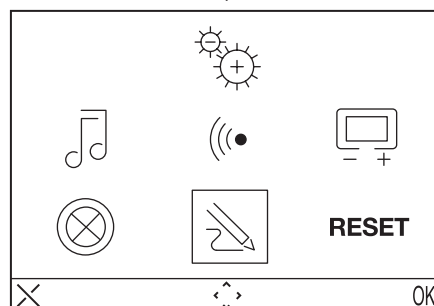
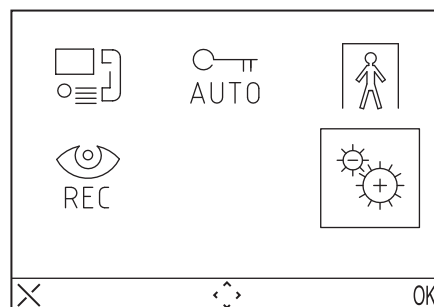
- Press the button **MENU** to access the menu.
- Select the icon and press OK.



This function is available only if the system is provided with the column video door phone answering machine.

SETTINGS

To access settings menu, press the button **MENU** and select the icon .



If the system is busy, the user can not access the menu.

VIDEO DOOR PHONE DIRECTORY










Up to 32 calls can be included in the video door phone directory (calls to users and special calls).

Adding a record to the directory

To add a name to the directory:




- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon , press OK and select the icon +.
- Select the record to be edited among the 32 available ones and press OK.
- Select the record, then select the function type to be configured and press OK; the possible functions are:
 - Internal call : call inside the same apartment
 - External call : call outside the apartment, but inside the same video door phone column.



- Special request  : Request to special decoder
- Enter the name to be assigned to the call, using directional buttons ( and ) to select the character, ( and ) to move the cursor, X to delete) and press OK to confirm.
- Enter the code, using directional buttons ( and ) to select the character, ( and ) to move the cursor, X to delete) and press OK to confirm.
 - For internal calls, allowable codes are from 0 to 3
 - For external calls, allowable codes are from 0 to 127
 - For special functions, allowable codes are from 0 to 250




Changing a record in the directory

To change a record in the directory:

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon , press OK and select the icon .
- Select the record to be changed and press OK.
- After selecting the record, proceed as described in the previous paragraph "Adding a record to the directory".





Deleting a record of the directory

To delete a record in the directory:

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon , press OK and select the icon .
- Select the record to be deleted and press OK.





CALL TONE SELECTION

In this menu the user can choose 5 different call tones for calls and floor calls. To select call tones:

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon , press OK.
- Select the call ring tone to be configured:  (call tone)  (floor call tone).
- Select the call ring tone to be used with directional buttons Right/Left.
- Press OK to confirm.







AUDIO ADJUSTMENTS

In this menu, the user can adjust ringer volume, audio volume and buttons beep.

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon  and press OK.
- Select the icon  to adjust the ringer volume with directional buttons Right/Left, select  to adjust audio volume, and select BEEP to activate or not the button beep.
- After configuration, press OK to confirm.



VIDEO ADJUSTMENTS

In this menu the user can adjust brightness, contrast, colour and themes (5 available themes) of the menu.

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon  and press OK.
- Select the icon  to adjust brightness with directional buttons Right/Left, select  to adjust contrast, select  to adjust colour and select  to adjust the desired theme.
- After configuration, press OK to confirm.


BUTTON BACKLIGHT

In this menu the user can choose 16 different colours for video door phone button backlight; to choose the desired colour:

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon  and press OK.
- Select the desired colour and press OK to confirm.

RESET

In this menu the user can reset the device and restore all default configurations.

- Press the button **MENU** to access the menu.
- Select the icon  and press OK.
- Select the icon **RESET** and press OK.
- Select **YES** to confirm reset or select **NO** to go back.

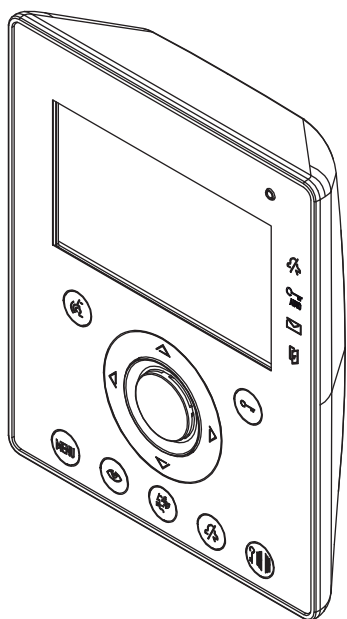


The Reset operation does not delete the directory.

Warning: when programmed data are deleted, also the column code will be deleted; it will be automatically acquired after about 5 minutes.



AIKO COLOUR HANDS-FREE VIDEO DOOR PHONE



Aiko video door phone has a clean and minimalistic design. Commands are managed by lightly touching front panel buttons, thanks to soft-touch technology, with user-friendly OSD intuitive icons which guide the user through the menus. The wide colour display ensures optimal viewing from all angles. For intercom calls and special decoder activation, up to 32 call or activation codes can be stored in the directory.

Aiko is available in two different colours:

- Black **Ref.1716/1**
- White **Ref.1716/2**

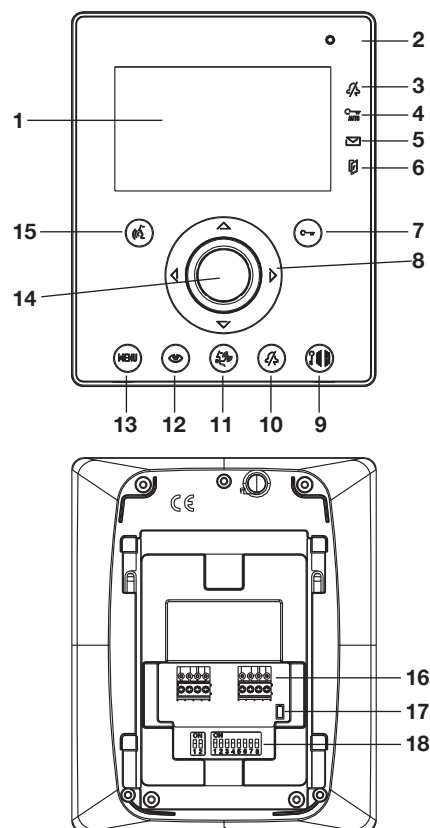
CHARACTERISTICS

The main features of the video door phone are:

- Flat 4.3" LCD backlit colour module.
- Wide viewing angle in all directions also without mechanical tilting.
- 4 back light icons.
- Automatic door opening function activatable from menu: a door opening command is sent when a call is received from a door unit.
- Door open indication.
- Adjustable call volume with muting function.
- Adjustable brightness and contrast from menu.
- Video standard automatic selection according to the input signal frequency.



Use mild detergents for delicate surfaces and a soft cloth to clean the front panel of the video door phone. Do not use abrasive materials.



- 1 - Display
- 2 - Microphone
- 3 - Indication of "mute function" active (green led)
- 4 - Indication of automatic door lock release active (green led)
- 5 - Indication of present messages (green led)
- 6 - Indication of open door or absence active (red led)
- 7 - Door lock release button - Contextual button OK
- 8 - Navigation buttons
- 9 - Open main entrance button
- 10 - Mute ringer button (MUTE)
- 11 - Switchboard call button
- 12 - Automatic activation button
- 13 - Menu button
- 14 - Loudspeaker
- 15 - Button used to activate/deactivate audio - Contextual button X
- 16 - Terminal pins for connection to the system
- 17 - Line termination
- 18 - Configuration dip switch:
 - 2 to define the number of the video door phone inside the apartment
 - 8 to define the number of the apartment in the column



Aiko video door phone is provided with an embedded device for hard of hearing.



AIKO COLOUR HANDS-FREE VIDEO DOOR PHONE

TECHNICAL CHARACTERISTICS - TERMINAL PINS DESCRIPTION - INSTALLATION



TECHNICAL CHARACTERISTICS

Power voltage:	36 – 48Vdc
Working Uptake:	160mA max
Stand-by:	3mA
CCIR Version	Vertical frequency: 50Hz ± 2Hz
	Horizontal frequency: 15625Hz ± 300Hz
EIA Version	Vertical frequency: 60Hz ± 2Hz
	Horizontal frequency: 15734Hz ± 300Hz
Video signal:	1Vpp 75Ω nominal
	1Vpp -6dB minimum
LCD:	4.3" backlit
Horizontal viewing angle:	+80° ÷ -80°
Vertical viewing angle:	+80° ÷ -80°
Brightness:	>500cd/m ²
Screen size:	105 x 67mm
Resolution:	480H x 272V pixel
Colour system:	PAL
Switch-on delay:	4 sec. max
Transmitting capsule:	electret microphone
Receiving capsule:	speaker 45Ω
Operating temperature range:	-5° ÷ +45°C
Max. humidity:	95% UR

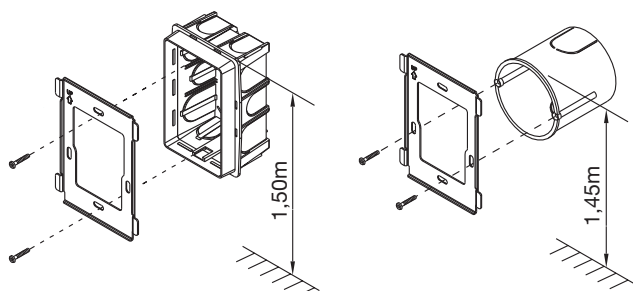
TERMINAL PINS DESCRIPTION

⊗	CP	Floor call button
⊗	S+	Supplementary ringer connection positive
⊗	S-	Supplementary ringer connection negative
⊗	LINE IN	Incoming Bus line
⊗	LINE OUT	Outgoing Bus line

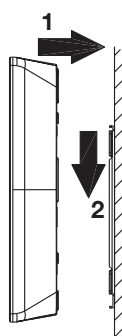
INSTALLATION

WALL MOUNTING INSTALLATION

Fix the flush mounting box at the height shown in the following figure.
Fasten the bracket to the embedding box.

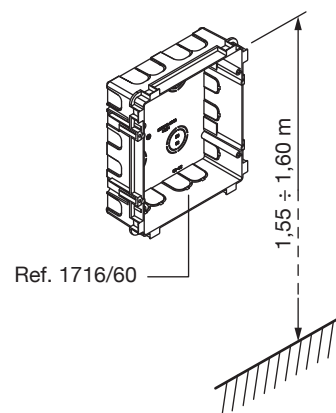


Perform connections and dip-switch settings.
At the end of programming, fasten the video door phone to the bracket.

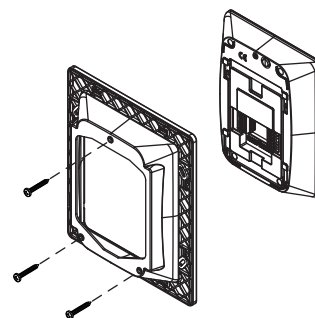


FLUSH MOUNTING INSTALLATION

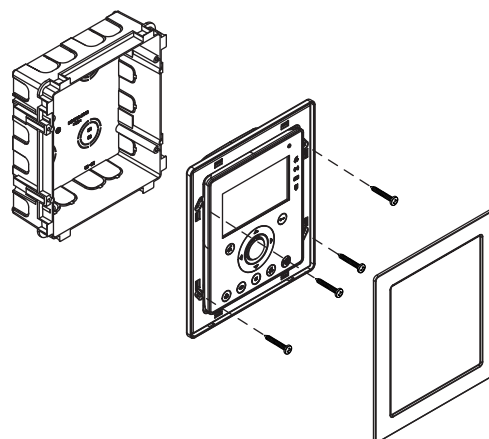
- Fix the flush mounting box Ref.1716/60 at the height shown in the following figure.



- Fix the frame to the video door phone.

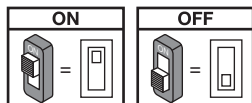
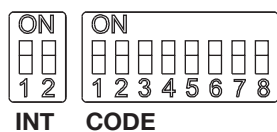


- Perform connections and dip-switch settings.
- Fix the frame with the video door phone to the flush mounting box.
- Complete the installation with the flush mounting frame.





CONFIGURATION OF APARTMENT STATIONS BRACKETS



Default values: all video door phones default configuration is the following:

USER = 127

INTERNAL CODE = 0

Therefore, for the proper operation of the system, **always pay attention to dip switches, in order to configure them with the correct value.**

CODE: user code.

Set a number from 0 to 127, according to the following rules:

- In the column there must not be any apartments with the same user code.
- If there are apartment stations in parallel in the same apartment, these must have the same user code.
- The user codes of the same column must be consecutive.

To set the desired code, use the dip switches from 2 to 8 (2= most significant bit - 8= less significant bit); the dip-switch 1 must be set to OFF.

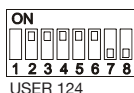
USER 0	USER 1	USER 2	USER 3
USER 4	USER 5	USER 6	USER 7
USER 8	USER 9	USER 10	USER 11
USER 12	USER 13	USER 14	USER 15
USER 16	USER 17	USER 18	USER 19
USER 20	USER 21	USER 22	USER 23
USER 24	USER 25	USER 26	USER 27
USER 28	USER 29	USER 30	USER 31
USER 32	USER 33	USER 34	USER 35
USER 36	USER 37	USER 38	USER 39
USER 40	USER 41	USER 42	USER 43
USER 44	USER 45	USER 46	USER 47

USER 48	USER 49	USER 50	USER 51
USER 52	USER 53	USER 54	USER 55
USER 56	USER 57	USER 58	USER 59
USER 60	USER 61	USER 62	USER 63
USER 64	USER 65	USER 66	USER 67
USER 68	USER 69	USER 70	USER 71
USER 72	USER 73	USER 74	USER 75
USER 76	USER 77	USER 78	USER 79
USER 80	USER 81	USER 82	USER 83
USER 84	USER 85	USER 86	USER 87
USER 88	USER 89	USER 90	USER 91
USER 92	USER 93	USER 94	USER 95
USER 96	USER 97	USER 98	USER 99
USER 100	USER 101	USER 102	USER 103
USER 104	USER 105	USER 106	USER 107
USER 108	USER 109	USER 110	USER 111
USER 112	USER 113	USER 114	USER 115
USER 116	USER 117	USER 118	USER 119
USER 120	USER 121	USER 122	USER 123

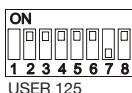


AIKO COLOUR HANDS-FREE VIDEO DOOR PHONE

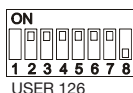
CONFIGURATION OF APARTMENT STATIONS BRACKETS



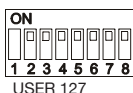
USER 124



USER 125



USER 126



USER 127

INT: apartment internal code.

Set a number from 0 to 3, according to the following rules:

- If in the apartment there is only one station, the internal code must be set to 0.
- In apartments, up to 4 apartment stations in parallel with the same user code and different internal codes can be connected.



INT=0



INT=1



INT=2



INT=3

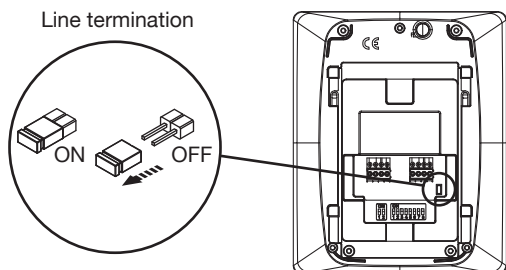
The internal code identifies each station of the same user. This means that intercom calls can be addressed to the single internal code in the same apartment.

In case of intercom calls to different apartments, in case of calls coming from door units and in case of floor call, all the user apartment stations always ring. Consider also the following information:

- after receiving a call, the internal code 0 rings immediately; the internal codes 1, 2 and 3 ring in sequence.
- If the call comes from a video call station, the internal code 0 turns the monitor on.

However, the other apartment stations of the same user can press the button to turn their video door phone, turning off the other ('video transfer' function).

LINE TERMINATION SETTING



On the video door phone there is a jumper which allows to insert the line termination. The termination must be activated in all the devices installed at the end of a line that does not start again with another segment from the terminal pins LINE OUT.

CLEANING

Clean the video door phone with a damp cloth, wiping gently the screen.

FEATURES

CALL RECEPTION AND 'VIDEO TRANSFER' FUNCTION

When a call is received, the user apartment station rings with the programmed tone, according to the source:

- From main door unit
- From secondary door unit
- From Intercom
- From floor call
- From switchboard

When the door phone or video door phone call is received, it is always possible to activate the door unit electric lock also without activating the communication.

If in the apartment there are several apartment stations in parallel, the stations ring in sequence. The user internal code 0 also performs the video door phone power-on, if the call comes from a video door phone call station. In this case, during the off-hook waiting time (60s

from the call), the other internal codes can turn their video door phone on by pressing the auto-on button ('video transfer' function), until one of the video door phones of the called user answers.

If the image is already displayed, press the button to cyclically display images coming from other control cameras of the caller station only.

After the audio activation, the image coming from the main camera will be displayed only on the screen of the answering apartment station. Therefore the camera image will be displayed on one apartment station at a time.

ANSWERING THE CALL

By pressing the button , the user establishes a communication with the caller (the button pressed starts blinking). By pressing again the button, the communication is closed and the display turns off.

DOOR LOCK RELEASE DURING A CALL AND OPEN DOOR INDICATION

After a call is received from a door unit or during the communication with a door unit, the pedestrian or driveway gate can be opened by pressing the buttons and respectively.

If the call modules are provided with open door sensor (and the absence service is not active), the led can indicate if the door is really open or not: the led lights up steady if the open door is the main one, and blinks if the open door is the secondary one.

RINGER LOUDSPEAKER MUTE

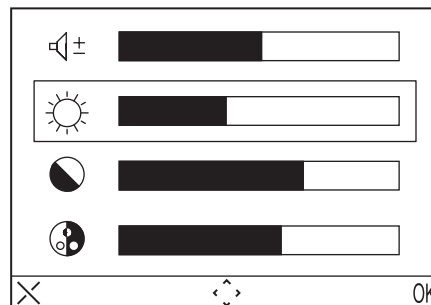
This function allows to disabled the call ringer. To activate this function, press the button . When the function is activated, the led MUTE turns on and when a call is received, the device will not ring.

ADDITIONAL RINGER

The video door phone is provided with two terminal pins (S+, S-) for the connection of an additional ringer or a relay. This ringer is activated with any call ring.

AUDIO / VIDEO SETTINGS DURING CALL

When a call is received or during communication, some audio/video adjustments can be performed: by pressing the button **MENU**, the following screen appears



This menu will be displayed over the image coming from the door unit

- Select +/- (Loudspeaker volume), (Brightness), (Contrast), (Colour) using directional buttons Up/Down.
- Select the desired value using directional buttons Right/Left
- Press (OK) to confirm; press (X) to cancel or press MENU to quit the setting menu.



FLOOR CALL

The video door phone is equipped with a pair of terminal pins (CP) for the connection of a floor call button. When a floor call is received, the video door phone emits a ring, according to the ring tone selected by the user; the display does not turn on. If the user has several apartment stations in parallel, connect this button to only one apartment station. The internal codes will ring in sequence.

AUTO-ON

The auto-on function allows to see on the display the image captured by system call modules. When the system is in standby mode, press the button and wait until the image is displayed on the video door phone (the first displayed image is the one coming from the main call module number 0); press again the button to go to the next call modules. The first images displayed are those coming from the main call modules, then secondary of the belonging column.

By activating the audio with the button , an audio and video communication is established with the selected call station; by pressing again the button , the auto-on function is ended.

The auto-on function can not be performed if the column is already in conversation. If the auto-on function is activated when the column is already in conversation, the video door phone will emit an alert tone.

CALLING THE SWITCHBOARD

This function allows to establish a communication with the concierge switchboard: press the button to send the call to the switchboard. If there is no answer within 10s, the video door phone button will turn off and the call will be stored in the switchboard.

The call to the switchboard is only AUDIO.

INTERCOM CALL

Intercom call using the directory

The device allows to perform up to 32 intercom calls.

There are two types of intercom calls: intercom call inside the same apartment and intercom call outside the apartment (the called device must be in the same column). To perform a call from the directory:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the user to be called with directional buttons and press OK.
- When the call is sent, the monitor turns off.

If the system is busy, the user can not access the menu.

Intercom call using quick selection keys

The first 8 users of the video door phone directory can be called using quick selection keys; the first 8 users are associated to the buttons as follows:

- User 1 -
- User 2 -
- User 3 -
- User 4 -
- User 5 -
- User 6 -
- User 7 -
- User 8 -

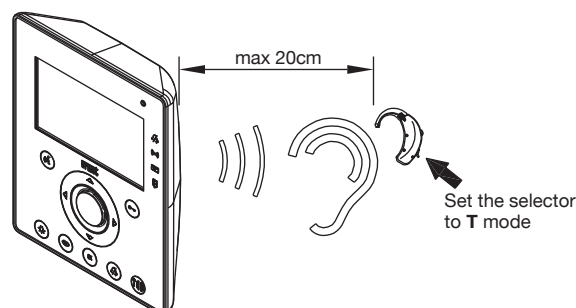
To make an intercom call using the fast dial keys, press the push-to-talk button followed by one of the keys indicated above. Press again the push-to-talk button to close the conversation.

If the system is busy, the video door phone emits an alert tone.

The intercom call is only AUDIO.

FUNCTIONING WITH HEARING AID

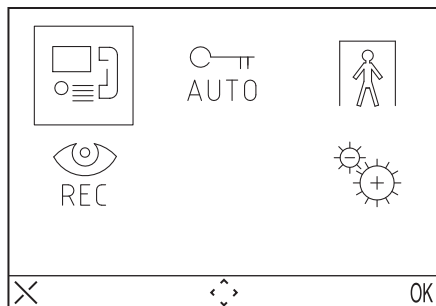
The video door phone is fitted with a device that allows hearing-impaired persons wearing a hearing aid to hear the person speaking from the call station or from another video door phone in the case of intercom calls. The device is able to interface hearing aids with "T" function at a distance of around 20 cm.





MENU

To access the video door phone main menu, press the button **MENU**. The display shows:



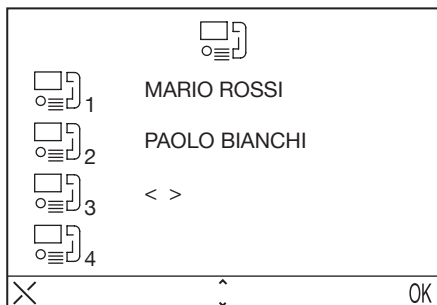
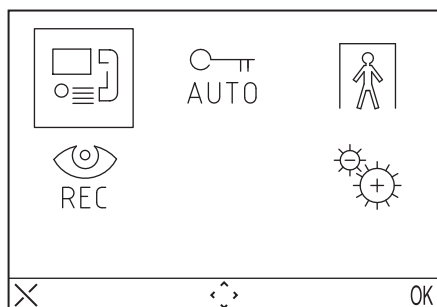
The device can return to standby mode at any moment by keeping the button X pressed for at least 3 seconds.

If the column is already in conversation, the device will not turn on and emit an alert tone.

CALL MENU

With this menu the user can call a name previously saved in the directory.

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the user to be called with directional buttons and press OK.
- When the call is sent, the monitor turns off.



AUTOMATIC DOOR LOCK RELEASE

The automatic door lock release function allows to directly open the door after receiving a call. To activate this function:

- Press the button **MENU** to access the menu.
- Select the icon and press OK. When the function is active, the LED turns on.

ABSENCE INDICATION (For future development)

The absence indication service allows to inform the system about the absence of people inside the apartment. To activate this function from the video door phone with INT = 0:

- Press the button **MENU** to access the menu.
- Select the icon and press OK. When the function is active, the led blinks slowly.

VIDEO DOOR PHONE ANSWERING MACHINE

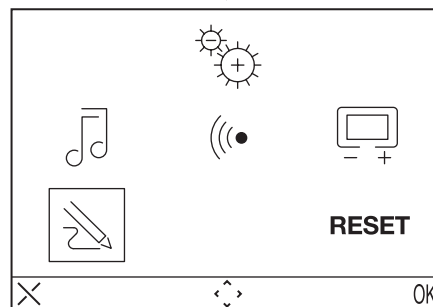
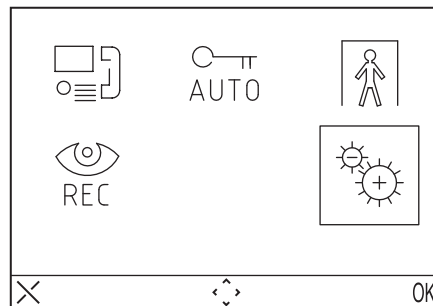
If there are recorded video messages, the led blinks slowly. To receive messages:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.

This function is available only if the system is provided with the column video door phone answering machine.

SETTINGS

To access settings menu, press the button **MENU** and select the icon .



If the system is busy, the user can not access the menu.

VIDEO DOOR PHONE DIRECTORY

Up to 32 calls can be included in the video door phone directory (calls to users and special calls).

Adding a record to the directory

To add a name to the directory:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon , press OK and select the icon + .
- Select the record to be edited among the 32 available ones and press OK.
- Select the record, then select the function type to be configured and press OK; the possible functions are:
 - Internal call : call inside the same apartment
 - External call : call outside the apartment, but inside the same video door phone column.
 - Special request : Request to special decoder



- Enter the name to be assigned to the call, using directional buttons (Up and Down to select the character, Right and Left to move the cursor, X to delete) and press OK to confirm.
- Enter the code, using directional buttons (Up and Down to select the character, Right and Left to move the cursor, X to delete) and press OK to confirm.
 - For internal calls, allowable codes are from 0 to 3
 - For external calls, allowable codes are from 0 to 127
 - For special functions, allowable codes are from 0 to 250

Changing a record in the directory

To change a record in the directory:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon , press OK and select the icon .
- Select the record to be changed and press OK.
- After selecting the record, proceed as described in the previous paragraph "Adding a record to the directory".

Deleting a record of the directory

To delete a record in the directory:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon , press OK and select the icon .
- Select the record to be deleted and press OK.

CALL TONE SELECTION

In this menu the user can choose 5 different call tones for calls and floor calls. To select call tones:

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon , press OK.
- Select the call ring tone to be configured: (call tone) (floor call tone).
- Select the call ring tone to be used with directional buttons Right/Left.
- Press OK to confirm.

AUDIO ADJUSTMENTS

In this menu, the user can adjust ringer volume, audio volume and buttons beep.

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon and press OK.
- Select the icon to adjust the ringer volume with directional buttons Right/Left, select to adjust audio volume, and select BEEP to activate or not the button beep.
- After configuration, press OK to confirm.

VIDEO ADJUSTMENTS

In this menu the user can adjust brightness, contrast, colour and themes (5 available themes) of the menu.

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon and press OK.
- Select the icon to adjust brightness with directional buttons Right/Left, select to adjust contrast, select to adjust colour and select to adjust the desired theme.
- After configuration, press OK to confirm.

RESET

In this menu the user can reset the device and restore all default configurations.

- Press the button **MENU** to access the menu.
- Select the icon and press OK.
- Select the icon **RESET** and press OK.
- Select **YES** to confirm reset or select **NO** to go back.



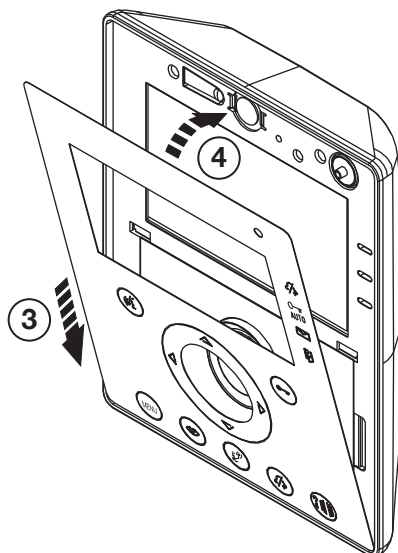
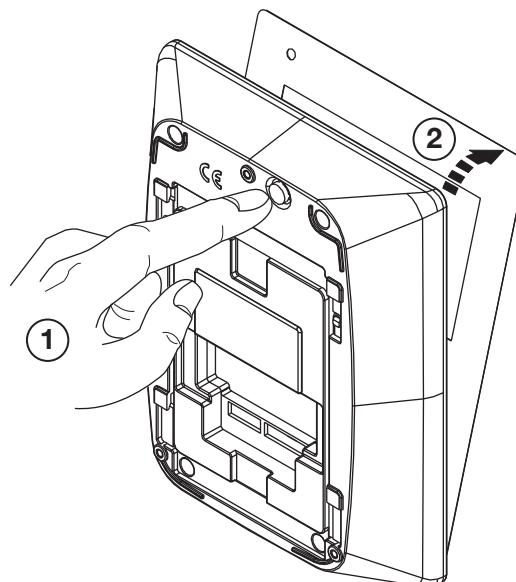
The Reset operation does not delete the directory.

Warning: when programmed data are deleted, also the column code will be deleted; it will be automatically acquired after about 5 minutes

ACCESSORIES FOR AIKO VIDEO DOOR PHONE

COLOURED FRONT PANELS Ref. 1716/51

Aiko video door phone can be customized by replacing the front glass with colour glasses included in Kit Ref. 1716/51.



**KIT FOR TABLETOP MOUNTING Ref. 1716/50**

Aiko can be table-mounted using the specific kit Ref. 1716/50.

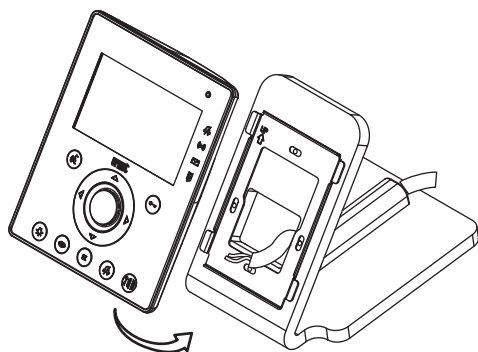
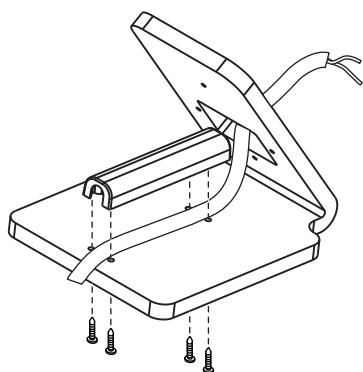
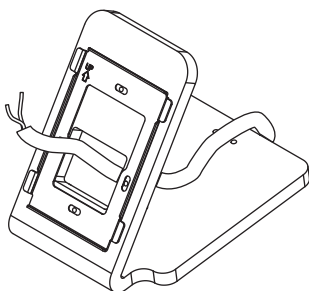
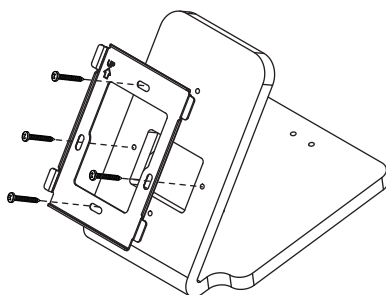
Proceed as follows:

- Fasten the bracket to the tabletop stand
- Insert the wire through the rear hole of the support and fasten it using the U-bolt and the screw provided.
- Connect the wires to the specific terminals on the bracket.



The system cable must not be connected to the wiring junction box provided with the table-top kit, but directly to the video door phone bracket.

- Fit the video door phone on the bracket.
- Mount the feet on the bottom side of the support.



With the table-top kit, in-out connection is not allowed.