**TAB
7558**

TAB 4.3 Due Fili Plus hands-free video entryphone

The instructions manual can be downloaded from the website www.vimar.com

Installation rules

Installation must be carried out by qualified persons in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.

Regulatory compliance

EMC directive

Standards EN 60065, EN 61000-6-1, EN 61000-6-3 and EN 60118-4..

REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.



WEEE - User information

The crossed bin symbol on the appliance or on its packaging indicates that the product at the end of its life must be collected separately from other waste. The user must therefore hand the equipment at the end of its life cycle over to the appropriate municipal centres for the differentiated collection of electrical and electronic waste. As an alternative to independent management, you can deliver the equipment you want to dispose of free of charge to the distributor when purchasing a new appliance of an equivalent type. You can also deliver electronic products to be disposed of that are smaller than 25 cm for free, with no obligation to purchase, to electronics distributors with a sales area of at least 400 m². Proper sorted waste collection for subsequent recycling, processing and environmentally conscious disposal of the old equipment helps to prevent any possible negative impact on the environment and human health while promoting the practice of reusing and/or recycling materials used in manufacture.

Description

Wall-mount Tab series hands-free video entryphone for Due Fili Plus system with 4.3" LCD colour display, loudspeaker for calls, capacitive keypad for entryphone functions (unlocking, self-starting, auxiliary services, volume, brightness and contrast controls) and intercom calls.

Desktop installation is possible with the desktop base accessory 753A (sold separately).

Can be used by hearing aid wearers.

Technical characteristics

- Wall-mounted, with metal bracket, in box: circular 2M (Vimar V71701), 3M (Vimar V71303, V71703) vertical and square, British standard.
- LCD 4.3" 16:9 display, resolution 480x272 pixels
- Minimum video signal level on the bus for reception: -20 dBm
- Capacitive touch keypad with backlit symbols.
- Powered from BUS terminals 1, 2 - nominal voltage 28Vdc
- Power consumption:
 - in standby: 17 mA
 - maximum current: 280 mA
- Ambient class: Class A1 (indoor use)
- IP30 protection degree
- Operating temperature: -5°C to +40°C (indoor use)
- Electronic ringtone with 10 different melodies.
- Input for landing call.
- Dimensions: 155 x 145 x 23.5 mm
- DIP switch for line termination impedance.

Audio frequency function for hearing aids (Teleloop)

The video entryphone can be used by people wearing hearing aids.

For correct functioning of the hearing aid, please refer to its instruction manual. Any metal objects or electronic equipment in the vicinity may affect the quality of the sound received by the hearing aid.

Maintenance

Clean using a soft cloth. Do not pour water onto the appliance and do not use any type of chemical product.

Cleaning must be carried out either with the apparatus powered off (= disconnected from the bus) or after activating the keypad cleaning procedure (see the relative paragraph in the user manual).

Warnings for the user

Do not open or tamper with the appliance.

In the event of faults, contact specialized personnel.

Installation

Important: The device should be installed at a height of approximately 160 cm off the floor, taking care not to expose it to direct sources of light so as to avoid annoying glare on the surface of the LCD screen.

Note: Fig. 1 shows the recommended installation distances, unless otherwise specified by current regulations.

1. Secure the plate to the wall, with metal bracket, in box: circular 2M (Vimar V71701), 3M (Vimar V71303, V71703) vertical and square, British standard.
2. Wire the terminal block (Fig. 5).
3. Terminate the video signal (Fig. 6)
4. Install the video entryphone as follows: position the video entryphone on the plate keeping it slightly raised. While keeping the front panel pressed, apply a light downward pressure until it clicks into place.
5. Should you need to remove the monitor you need to apply a light pressure on the lever (Fig. 3) and raise it (from the bottom upwards) so as to release the monitor from the chassis.

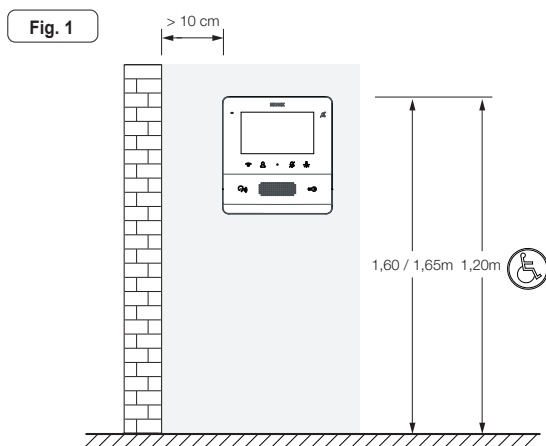


Fig. 2

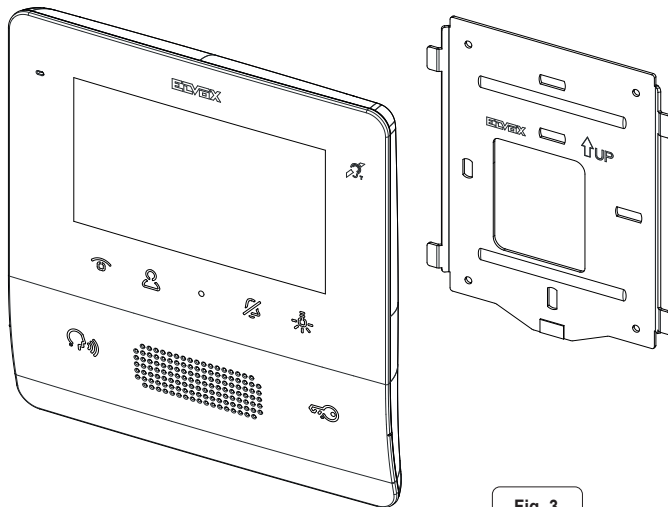
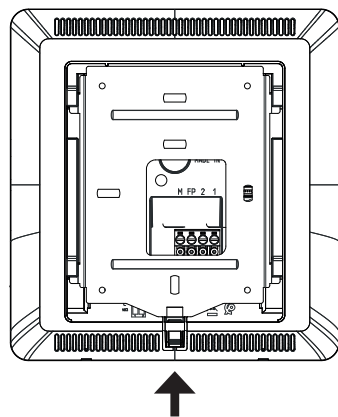


Fig. 3



Connections

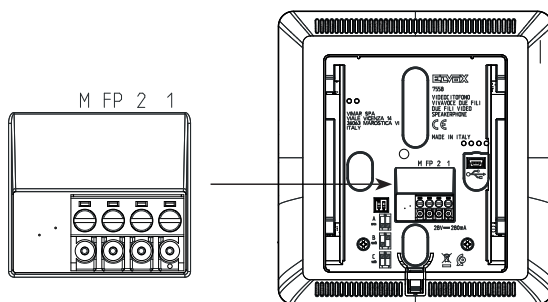
On the rear there is a terminal board for:

- connection of the Due Fili Plus bus
- The local Landing Call input. The maximum connection distance is 10 m. When suitably programmed using SaveProg, this input can be used for the Alert function. See the relative paragraph.

Connection terminal block	
Terminals	Function
1, 2	DUE FILI PLUS digital bus.
FP	Landing Call button input (terminal M reference).
M	Reference earth

Note: Art. 7558 does not have terminals for an additional power supply. For this reason, if the section of the Due Fili bus in which the indoor station is located is busy with another call/conversation, or another 7559, 7558 or 40505 is switched on for any reason, regardless of its operating status, it will not be possible to switch on a second 7559, 7558 or 40505 and a tone will sound to warn the user. The only possible action is to operate the lock, stair light or auxiliary function using the dedicated buttons, provided they are not configured for other functions; the Alert function can be used as described in relative paragraph.

Fig. 5

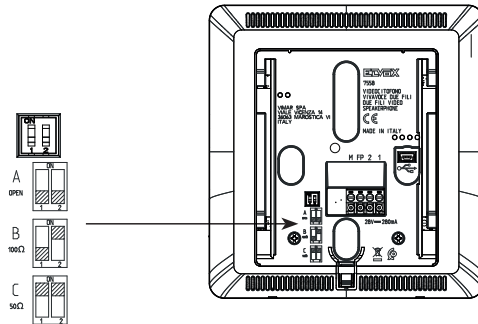


Video Termination

Select DIP switch to terminate the video signal

- A) if the BUS cable enters terminals 1, 2 and continues to another indoor station.
- B) when a BUS cable with a characteristic impedance of 100 Ohms (Elvox 732I or 732H cable) enters terminals 1, 2 and the riser stops in the indoor station
- C) when a BUS cable with characteristic impedance of 50 Ohms (Cat. 5 or Cat. 6 twisted pair cable) enters terminals 1, 2 and the riser stops in the indoor station.

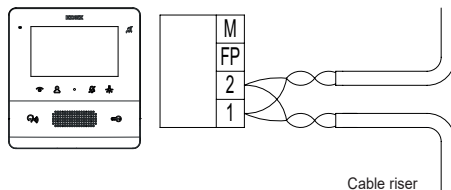
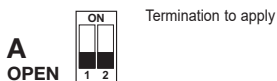
Fig. 6



Connection

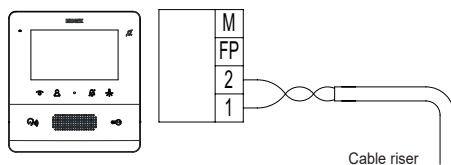
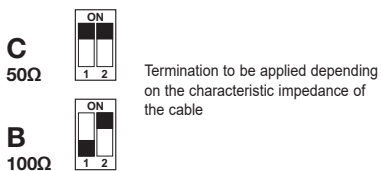
Connecting the indoor station in the in/out configuration

In/out wiring diagram



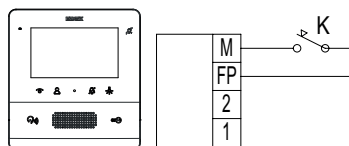
Connecting the indoor station in terminal configuration

Wiring diagram with cable terminating in the indoor station



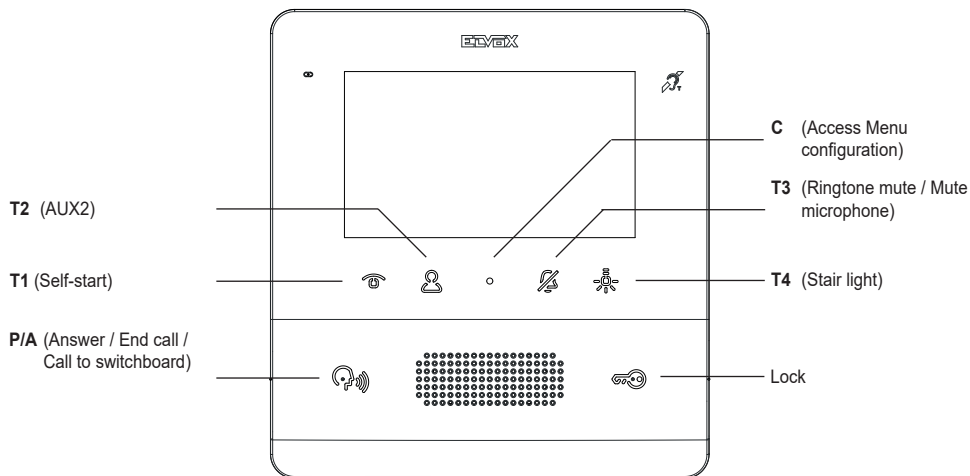
Variant for connecting the landing or alert button

Connecting the FP/M terminal






Key functions

In the subsequent sections of this document the touch keys are designated as shown in the figure below:



At rest, none of the buttons perform the touch function, but must be pressed for longer (around 0.4 s): this prevents the accidental activation of commands. Unless specifically disabled, the recognition notice is given by acoustic signalling.

The **T1**, **T2** and **T4** keys have a default (when not programmed), as indicated in the following figure (Table 1), along with the default icons. The **T2** and **T4** keys can be programmed from the installer menu or using SaveProg.

KEY	ICON	MEANING
T1		Self-start
T2		Aux 2
T4		Aux 1
Note: The icons are visible in call/conversation.		

T2 (P4 for SaveProg) is not configured by default and controls the second relay (Aux2).




T3 has the function of *ringtone mute* / mute microphone. Ringtone exclusion for all calls (in stand-by, press and hold down for 2 s to deactivate/activate the ringtone), ringtone mute (during an incoming call, press to deactivate the ringtone, the ringtone is also simultaneously deactivated for subsequent calls).

The associated LED will operate also as an indicator for:




- *Ringtone disabled* (the indoor station does not ring for calls from outdoor station or call button 20577, 19577, but otherwise functions normally). In this case the LED is on steady, while any absent user configuration is eliminated at the same time.
- Only where configured from SaveProg - *User absent* (the indoor station rejects the call from an outdoor station and consequently the call is unsuccessful). In this case the LED flashes at intervals of 0.1 s on and 0.9 s off.


The LED is essential when the display is switched off.

The **C** key cannot be programmed and its function is context-dependent.

The **P/A**  key is used to answer or close a call / conversation. In standby it calls the porter switchboard, if the management with switchboard is active. Moreover, where configured with SaveProg as "Enable missed calls", the LED associated with the **P/A** key  remains on permanently due to possible calls from the switchboard which were not answered. Answering the current call causes the LED to switch off once the indoor station has returned to standby mode (only in the indoor station from which it was answered). If there were unanswered calls from the switchboard, continuously touching the **P/A** key  for at least 2 s (until the video entryphone emits a tone) causes the missed call from switchboard status to be reset. The same result can be obtained by also reactivating the ringtone, by making an intercom call, or by answering a call.



N.B.: the missed call signal remains also in the case of a power outage.

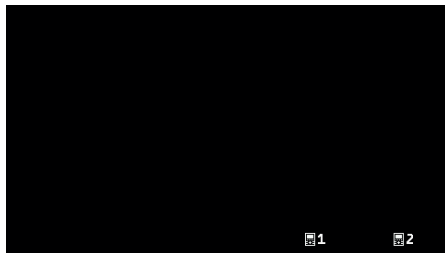
By default, the **LOCK**  key controls the lock of the last outdoor station to make a call or the outdoor station for which self-start procedure was performed. It can only be programmed using SaveProg. The LED associated with the **LOCK**  key indicates door open status of the system, essential when the display is switched off, even if the same key is programmed for another function. In some states (e.g. conversation) the  icon also appears in the top right-hand side of the screen.

In standby mode, the screen is completely switched off. (In the method described above), by activating any one of the keys **T1..T4** and **LOCK**  by default the function is performed without switching on the display unless the function has to do so in order to be performed, such as self-start.

Starting with 7558 in default, the **T4** key enables the first relay in the Due Fili system. It is usually indicated as *stair light* or *Aux1*.

First power up

7558 is supplied without ID. On switching on the display by touching the keypad, the only action possible is to assign main  **1** or secondary  **2** indoor station as the ID:



First power up

On choosing one of the two, the indoor station requests ID assignment from the Master outdoor station and the functions of the keys change as follows:



Initialisation in progress

T1  now serves to cancel a request, T3  and T4  serve respectively to reduce and increase the speaker volume.

The procedure for assigning the ID as main or secondary and the relative times depend on the type of Master outdoor station available. Refer to the relative installer instructions.

On completion of the ID assignment procedure, the number assigned will appear at the top of the display:



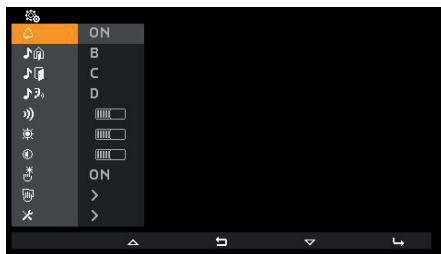
Assigning ID

After ID assignment

Once the ID has been assigned, the indoor station 7558 has no graphic menu in standby, but only in the call, conversation, self-start or configuration states.

User configuration

Press key **C** to access the user configuration menu. In all the menus, navigation is circular, i.e. scrolling down past the last option in any menu takes you back to the first option.

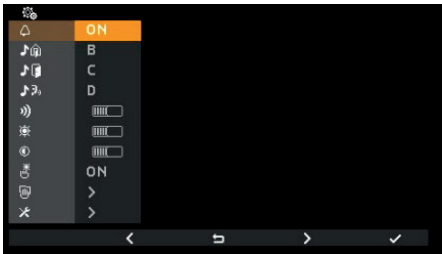

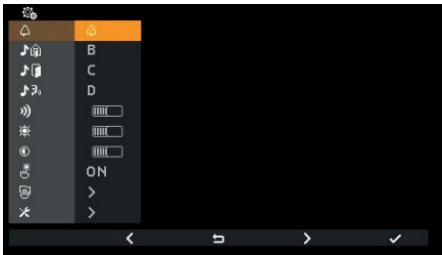

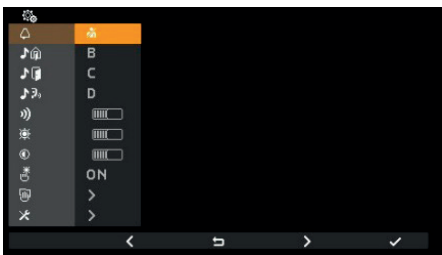


User configuration menu

Each item is selected with T4 ↵.

Ringtone mute

Use **<** and **>** to enable / disable the ringtone of the indoor station, **for all incoming calls**, as follows:

ICON	IMAGE	BEHAVIOUR
ON		Ringtone on
		Ringtone mute. The indoor station does not ring, but otherwise functions normally.
		User away. Only visible if enabled from SaveProg. The indoor station does not ring and does not switch on. With configuration via SaveProg (flag ACK. Grp. Excl. S) it is possible to ring secondary indoor stations, otherwise the call from the outdoor station is rejected and unsuccessful

Ringtone mute is the same function assigned with **T3** to an indoor station in standby or call mode.

Press **T4**  to confirm, **C**  to cancel without saving.

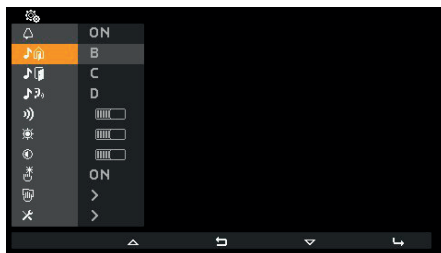
Note: in the remaining part of this manual, it is assumed that the functions of T1, T4 and C are understood.

Default: ringtone enabled.

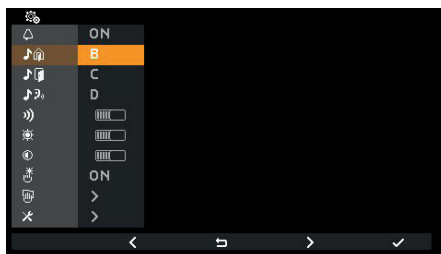
Select call melody from outdoor station 🎵🏠

Use **<** and **>** to select one of the 10 available melodies (identified by letters A to J) to use as a ringtone for calls from the outdoor station. The indoor station plays back the selected ringtone.

Default: melody B.



Select melody for call from outdoor station

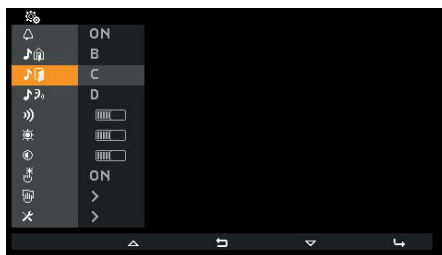


Confirm melody for call from outdoor station

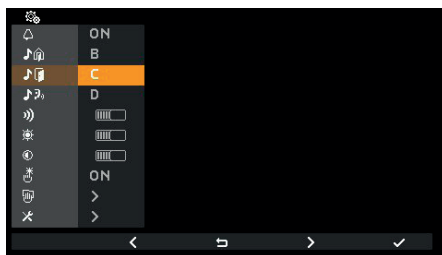
Select landing call melody 🎵📞

Use **<** and **>** to select one of the 10 available melodies (identified by letters A to J) to use as a ringtone for calls from the landing, whether in local contact FP-M or Art. 6120. The indoor station plays back the selected ringtone.

Default: melody C.



Select melody for call from landing

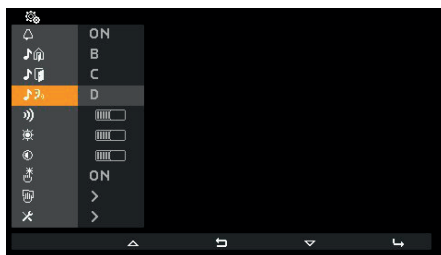


Confirm melody for call from landing

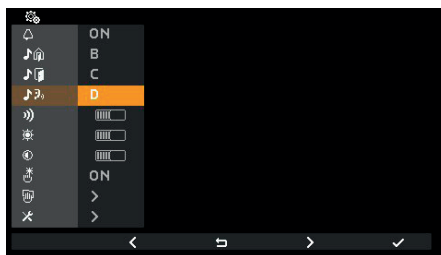
Select call melody from indoor station or switchboard 🎵

Use **<** and **>** to select one of the 10 available melodies (identified by letters A to J) to use as a ringtone for calls from an indoor station or switchboard. The indoor station plays back the selected ringtone.

Default: melody D.



Select call melody from indoor station or switchboard



Confirm call melody from indoor station or switchboard

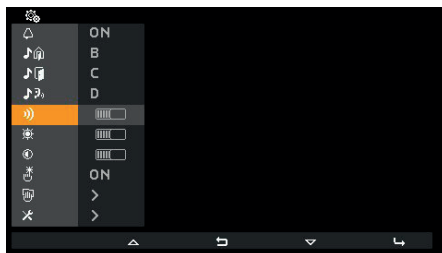
Ringtone volume control)))

Use **-** and **+** to increase/decrease the ringtone volume, which is indicated by the horizontal bar.

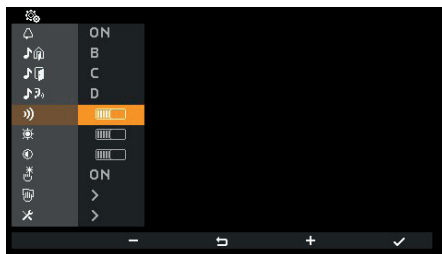
NOTE: the set level is used for all ringtone types (calls from the outdoor station, landing, indoor station or switchboard).

The ringtone feedback for the setting is for the ringtone from an external call.

Default: level 5.



Select ringtone volume control



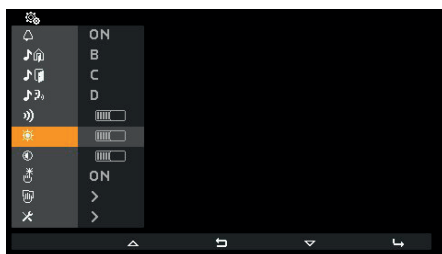
Ringtone volume control

Brightness control

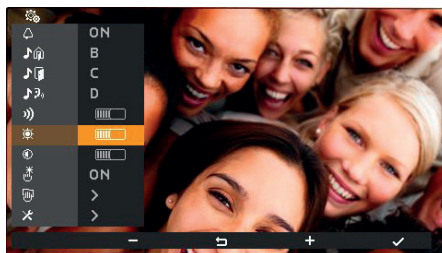
Use **−** and **+** to increase / decrease the brightness of the video signal from an outdoor station, the level of which is indicated by the horizontal bar. The indoor station automatically requests the Master outdoor station to perform a self-start procedure so that the user can see the effect of the brightness control.

NOTE: the level set is used for all outdoor stations. Self-start follows the time set in the outdoor station and is not renewed with any variations in controls.

Default: level 5.



Select brightness control



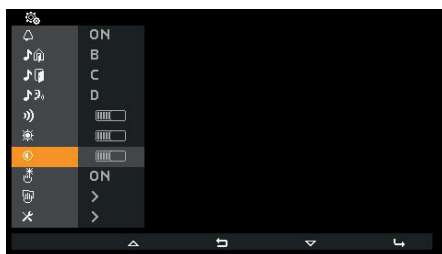
Brightness control

Contrast control

Use $-$ and $+$ to increase / decrease the contrast of the video signal from an outdoor station, which is indicated by the horizontal bar. The indoor station automatically requests the Master outdoor station to perform a self-start procedure so that the user can see the effect of the contrast control.

NOTE: the level set is used for all outdoor stations. Self-start follows the time set in the outdoor station and is not renewed with any variations in controls.

Default: level 5.



Select contrast control

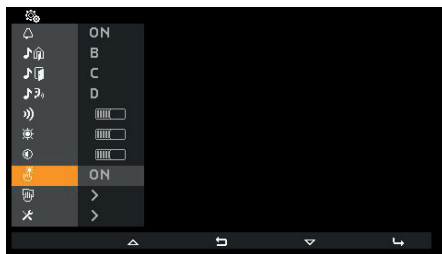


Contrast control

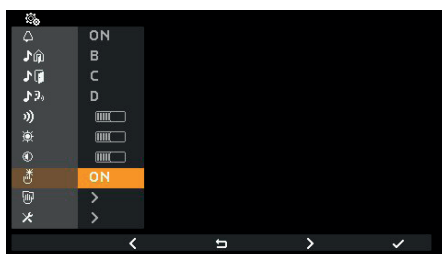
Key tones

Use the keys < and > to enable/disable the tone produced whenever a key is touched (keystroke feedback).

Default: enabled



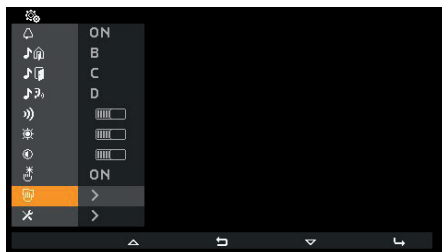
Key tone



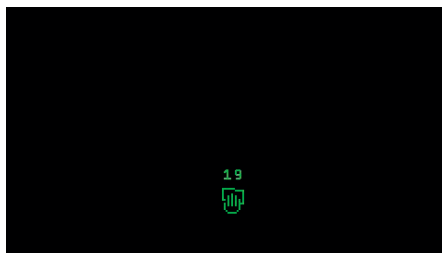
Selecting the key tone

Keyboard cleaning

Activates the keyboard cleaning function:



Keypad cleaning activation



Keyboard cleaning





The *keyboard cleaning* function lasts 20 seconds and this time period cannot be extended by pressing the keys, which remain disabled until the keyboard cleaning procedure is completed.

Installer configuration ✕





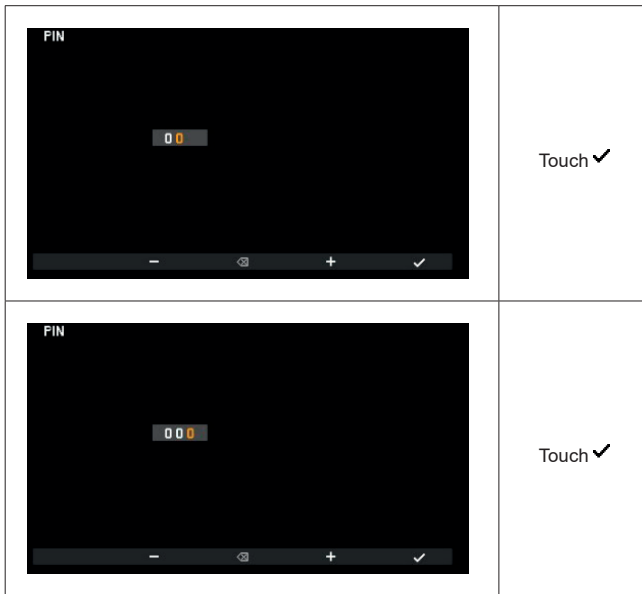
Installer configuration selection

To access the installer menu, you must enter the 3-digit code (PIN). The (default) PIN is 100, but this can be edited as described below. The PIN is entered using the following keys:

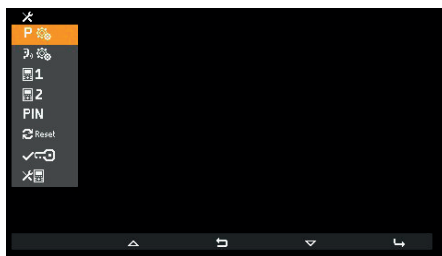
- **T2**  to change the digit highlighted in colour in the sequence 0 – 9 – 8 ... – 2 – 1 – 0 ...
- **C**  to cancel the last digit, provided that the cursor is on the second or third digit, otherwise use  to return to the user configuration menu.
- **T3** **+** to change the digit highlighted in colour in the sequence 0 – 1 – 2 ... – 8 – 9 – 0 ...
- **T4**  to confirm the selected digit, and after the third digit, if the PIN entered is correct, to access the installer configuration procedure. If the PIN is not correct, you are returned to the user configuration menu.

Note: once the correct PIN has been entered and you have returned to the user menu, it will not be necessary to enter the PIN again to access the installer menu, until the indoor station returns to standby mode.

	<p>Touch +</p>
	<p>Touch ✓</p>



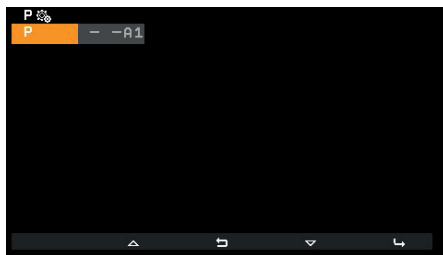
Entering the PIN





Installer menu


Selection of key icons in the *Actuations* context P[Ⓜ]


The item P[Ⓜ] can be used to change the icon that appears above key T4 and the related associated actuator.
The default setting is blank:

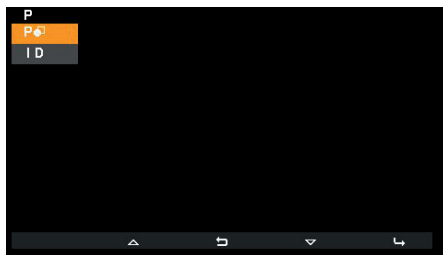


Selection of key icons

For each key, in the right-hand side of the menu there is a selection and actuation icon, respectively. If, as in this case, no icon has been selected yet, the menu shows  and the icon  (stair light) is used.


The T4 key has as its default action A1. To distinguish that it is the default action and was not chosen by the installer, the indication is preceded by .

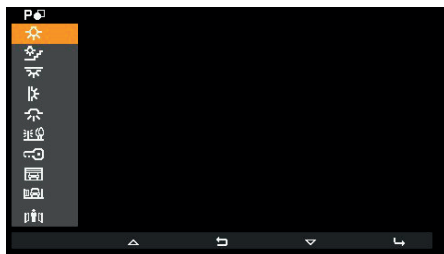
When assigning icons starting from the default setting, touching T4  opens the following menu:



- P[Ⓜ] to select the icon
- ID to select the actuation to associate

Select the icon

The item  opens a list of selectable icons:



Selection of key icons

Select the actuations | D

The item **ID** opens a list of selectable actuations:



Selecting the actuations

There are 6 default actuations. These are the first 4 relays and F1 / F2 on the last outdoor station the indoor station communicated with or was called from.

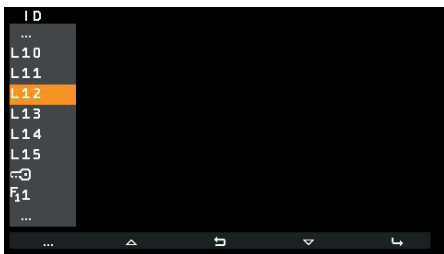
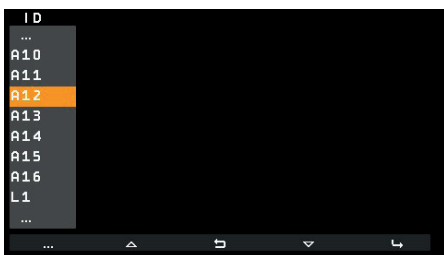
If previously the installer has changed the function associated to this, it is present in the list of selectable actuations, highlighted with the current value:



Using SaveProg it is possible to draft the list of selectable actuations in order to include:

• 16 relays	A1
• locks for 15 outdoor stations	L1
• lock for the last outdoor station	↻
• F1 of 15 outdoor stations divided according to the status of the "F1/F2 1-8" flag of SaveProg, in: <ul style="list-style-type: none"> ○ Outdoor stations from 1 to 8 ○ Outdoor stations from 9 to 15 	F1
• F1 of the last outdoor station	F1
• F2 of 15 outdoor stations divided according to the status of the "F1/F2 1-8" flag of SaveProg, in: <ul style="list-style-type: none"> ○ Outdoor stations from 1 to 8 ○ Outdoor stations from 9 to 15 	F1
• F2 of the last outdoor station	F2

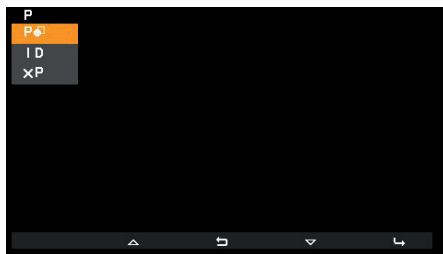
When the list has a number of items that fill 3 or more configuration pages (this happens with at least 18 elements), in T1 the ... icon appears and is used to move quickly from one page to another. The following figures show the situation with all permitted actuations:



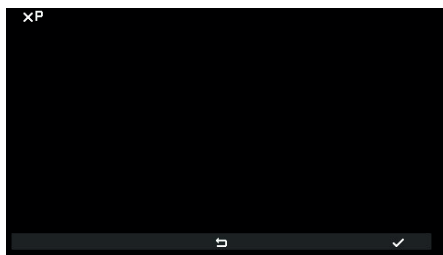
In any case, ... at the top of the list indicates that there are other elements first. ... at the end indicates that there are other elements after.

Deleting xP

If an icon or an actuation has already been assigned, an option will be added to the specific menu that allows you to cancel the assigned icon and replace it with the default icon. The actuation is also taken to default.




This operation must be confirmed:

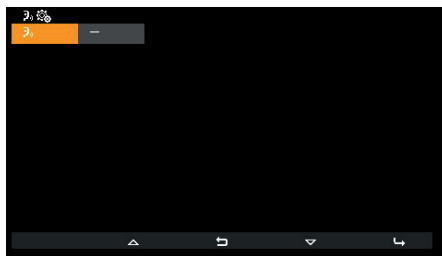


Confirm icon cancellation

To change an icon or actuation, you do not need to cancel it first, just simply replace it with a new icon.

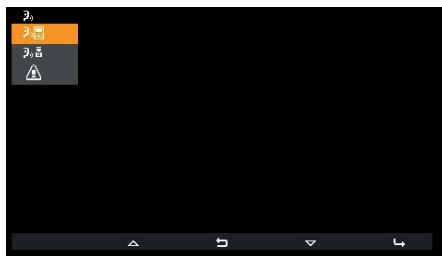
Intercom

The item  can be used to change the ID of the indoor station or of the porter switchboard to call with **T2**. The default setting is blank:







Intercom menu

T4 opens a further menu:

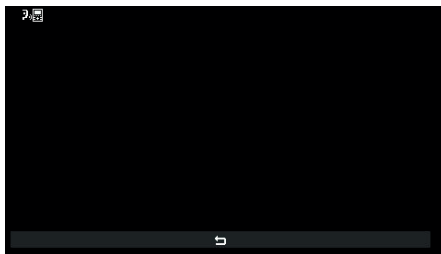


Selection of intercom type

The three options that appear are:

-  to associate an indoor station.
-  to associate a porter switchboard.
-  to associate the Alert function.
-  to cancel the association (only visible if the position is programmed).

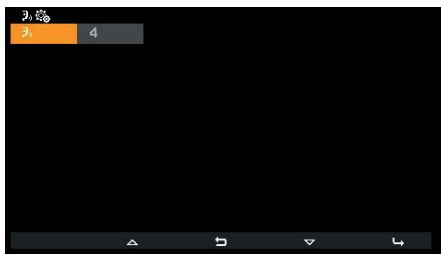
Association of an indoor station



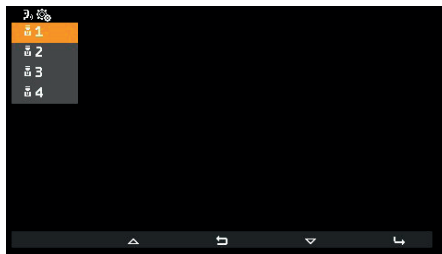
Awaiting association of the indoor station to be called

In this condition, on the indoor station that is to be called, press a key that can be identified unequivocally. It is advisable to use a key that controls opening of a lock, but you can also use a key that operates a relay or controls one of the F1 or F2 outputs of an outdoor station. If the indoor station that is to be called has a handset, it is advisable to use the lock with the handset replaced.

Once the association has been made, the menu appears as follows (the indoor station to be called is number 4):

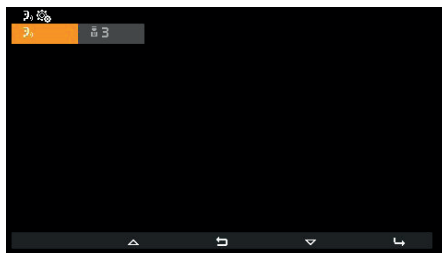


Association of a porter switchboard



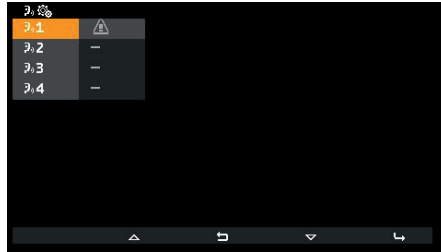
Selection of the switchboard to be called

Choose which switchboard to associate with key **T2** and confirm. The basic menu appears as follows:

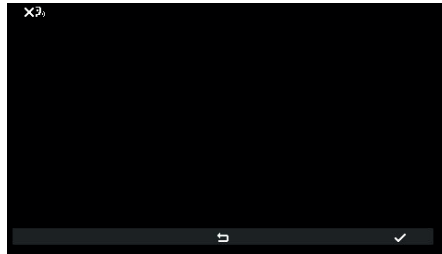


Association of the Alert function

Confirm the function and the Alert function will immediately be assigned to key T2:



Canceling an association **X2**



Awaiting confirmation of intercom cancellation

Confirm or cancel the wish to eliminate the association of push button **T2**.

Assignment of main 1 and secondary ID 2

For descriptions of these procedures, refer to the beginning of the paragraph *First power up*.

Changing the PIN PIN

To change the PIN, follow the same procedure as that used to enter it to access the installer configuration menu. The following example shows how to set the PIN to 123:

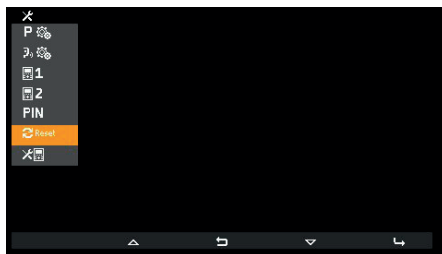
	Touch ✓
	Touch +
	Touch ✓
	Touch + 2 times

	<p>Touch ✓</p>
	<p>Touch + 3 times</p>
	<p>Touch ✓</p>

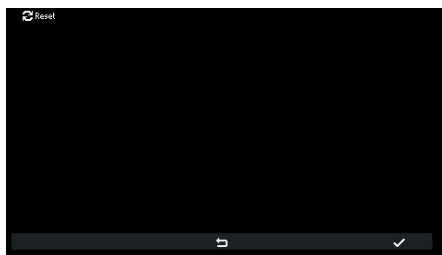
The PIN has now been changed to 123.

Reset factory configuration

This procedure allows you to cancel any settings and programming of the indoor station and to restore it to the initial default condition. The system asks for confirmation that you wish to proceed with the reset:



Selection of Reset factory configuration

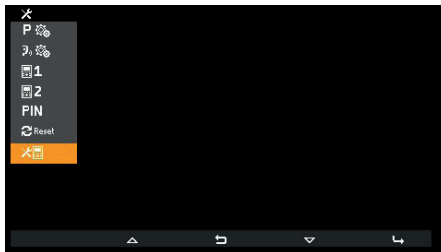


Awaiting confirmation of Reset factory configuration

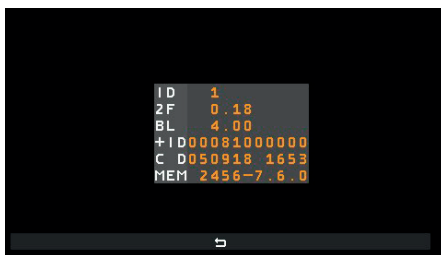
From this moment, the indoor station is in the *First power up* **condition**.

System information

From this menu, useful information can be obtained for Vimar customer service (SAC / TSX), including ID, Firmware version, etc.:



System information




Information display

- The information reported, from the top downwards, is as follows:
- ID of the indoor station
- FW version
- Bootloader version
- UID
- FW compilation date and time
- Available memory – FreeRTOS version used

Programming with SaveProg

SaveProg manages Art. 7558 from version 3.7.0.0. The correspondence between the keys P1..P8 of SaveProg and keys T1 and T4 in the two operating contexts is as follows:


KEY	SAVEPROG
T2	P4
T4	P2

The LOCK  key corresponds to P0.

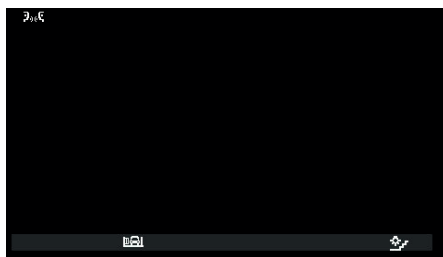
Call to indoor station (outgoing)

Note: before connecting the audio channels with any other device, the indoor station Art. 7558 determines the best possible communication parameters.

Upon the answer of the device called, the calling indoor station will emit a tone that is equivalent to the ringtone of the intercom set. The conversation will be possible as soon as the P/A LED  lights up.

To make a call to another indoor station, at least one call must be programmed as described above must be configured in the installer menu. If via SaveProg, the call to porter switchboard has been enabled, this is done in standby by pressing the P/A  key.

The call starts by touching **T2**. Before the call is answered, the display changes to the following:







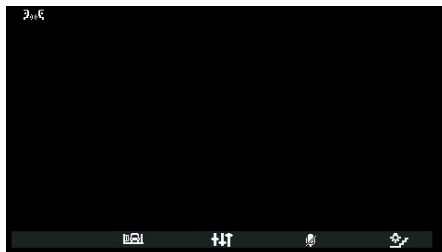
Pending answer

The icons at the top left of the display indicate that a call is being made to an indoor station. While waiting for an answer, you can touch **T2** and **T4**. On receiving an answer, the display changes to:



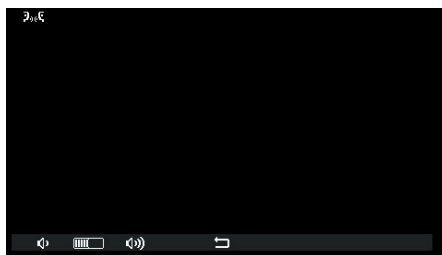
Microphone on

The central key also becomes active, now  and **T3** changes meaning.  is used to enter the *Audio only settings* context. **T3** has the mute microphone function. The icon indicates the state, so  means that the microphone is on and  that it is off.






Microphone off


The *Audio only settings* context is used only to control the speaker volume.



Intercom volume control


The **T1**  and **T2**  keys turn grey respectively when the minimum and maximum levels are reached.

The centre key, now , allows you to return to the previous context.

The conversation can be ended with the **P/A**  key or by the indoor station to which the call was made using the appropriate procedure.

Call from indoor station (incoming)

Note: before connecting the audio channels with any other device, the indoor station Art. 7558 determines the best possible communication parameters.

Upon answering the device will emit a tone that is equivalent to the ringtone set for an intercom call. The conversation will be possible as soon as the P/A LED  lights up.

On receiving a call from another indoor station, the display appears like this:



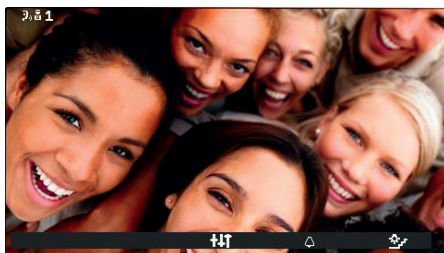
Incoming call from indoor station

If the caller is a switchboard, different icons appear at the top left of the display:



Call from switchboard 1

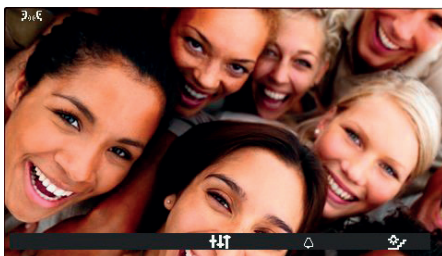
If the lodger switchboard is configured to operate with a camera, then the receiver will be able to see the video signal from the camera.



Incoming call from switchboard with camera


The video signal remains also during the entire conversation that follows the call answering.


Other calls from an indoor station are also possible, such as video calls. These originate from a "Due Fili call button 20577, 19577" suitably configured and associated with an "Audio/video selector for 4 cameras 69AM" or "Video selector for 4 cameras 69AM/T".





Incoming call from external call button

In the event of incoming video intercom calls, please refer to the description further herein for incoming external calls regarding the lighting of the video (or not) and the relevant paragraph.

For incoming intercom calls, it is not possible to mute the ringtone before a call is received. It is only possible to mute the ringtone for the current call using **T3**. Once muted, the ringtone cannot be switched back on during the current call, so the icon disappears. The icon indicates the states, so only the  symbol appears. Once the conversation has ended, the ringtone is reset.

The call is answered using the **P/A**  key, after which the situation is the same as with an outgoing call.

The conversation can be ended using the **P/A**  key or by the calling indoor station using the appropriate procedure.

N.B.: where configured with SaveProg as "Enable missed calls", the LED on the **P/A** key  remains on permanently due to possible calls from the switchboard which were not answered. Answering the current call causes the LED to go off once the indoor station returns to stand-by.

Switchboard scenarios


If the unit either making or receiving the call is a porter switchboard, there are other possible scenarios. For example, the switchboard operator could connect an indoor station to another indoor station, to an outdoor station or to a second porter switchboard.

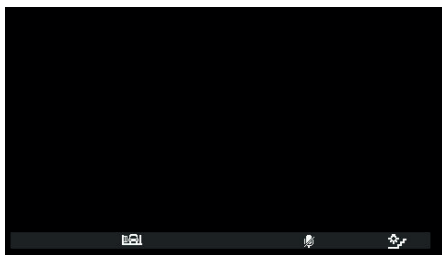
If the switchboard operator already has the other indoor station, outdoor station or switchboard on hold, he/she will connect it directly.

Alternatively, he/she could put this indoor station on hold while carrying out the necessary operations to call the other party. The switchboard operator can only connect an outdoor station to the indoor station if the outdoor station is already on hold:





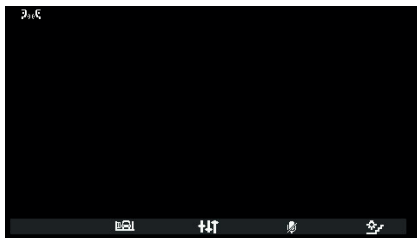
indoor station connected to outdoor station

During the wait, the indoor station will emit a specific tone. The indoor station can also cancel the wait by putting the indoor station in standby mode using the **P/A**  key.



indoor station during the wait

During the wait, the microphone is obviously muted and will remain as such also when the switchboard operator connects the indoor station to the other party, which means that, once connected, it will be necessary to use **T3**  to re-enable the microphone. Alternatively, you can also use **T3**  before the new connection is made. In this case the microphone will already be enabled. Given that it is not possible to know beforehand the exact moment at which the switchboard operator will connect the indoor station to the other party, this strategy has been chosen in order to ensure that the other party hears nothing unless at the explicit request of the party waiting.



indoor station connected to another indoor station



indoor station connected to a porter switchboard

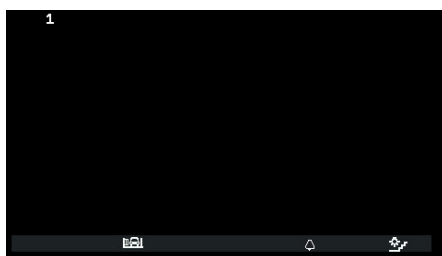
The conversation will proceed as if held directly between the indoor station and the other party.

Call from outdoor station (incoming)

Note: before connecting the audio channels with any other device, the indoor station Art. 7558 determines the best possible communication parameters.

Upon answering the device will emit a tone that is equivalent to the ringtone set for an external call. The conversation will be possible as soon as the P/A LED  lights up.

On receipt of a call from an outdoor station, the display can appear in two different ways, depending on whether the call is coming from an audio only or from an audio/video outdoor station:



Call from outdoor station (incoming), audio



Call from outdoor station (incoming), video

Note: the display of indoor station Art. 7558 switches on when receiving a call from an outdoor station to display the video signal of the outdoor station in accordance with its own programming, as indicated in the table below.

CALL FROM VIDEO outdoor station	FLAG 1 IN SAVEPROG (MONITOR ON)	RESULT
Direct	ACTIVE	Switches on
	NOT ACTIVE	Does not switch on
Indirect (belongs to a group with only one secondary unit)	ACTIVE	Switches on
	NOT ACTIVE	Does not switch on
Indirect (belongs to a group with at least two secondary units)	ACTIVE	Does not switch on
	NOT ACTIVE	Does not switch on


TAB: 7558


Note: the secondary indoor stations indicated in the previous table are exclusively Arts. 40505, 7559 or 7558. They also ring at a reduced, fixed volume (level 4 out of 10).

On answering, the display switches on to show the video from the outdoor station calling.

In the case of an incoming call for which, according to the previous table, the indoor station does not show the video signal, the display will be as follows:



The video signal of the outdoor station can be shown with key **T1** ; at the same time, any other indoor stations which are showing it for the same call are switched off even if they continue to ring and/or can still answer.

T3, with icon , allows you to silence the ringtone for the call in progress and at the same time sets the ringtone mute function. Once muted, the ringtone cannot be switched back on during the current call, so the icon disappears.


Before answering, if the display is showing the video signal from the outdoor station, you can adjust the brightness by accessing the *Video only settings* with **T4** .




Video adjustments

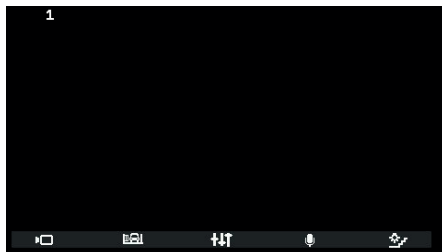
If the call originates from an audio outdoor station, it will not be possible to make any adjustments.

The **T3**  and **T4**  keys turn grey respectively when the minimum and maximum levels are reached.

The centre key, now , allows you to return to the previous context.

Before answering, whatever condition the indoor station is in, it is possible to use the *Actions* context or the **LOCK**  key, unless programmed for another function.



To answer the call from an outdoor station, use the **P/A**  key.





Answering an audio call

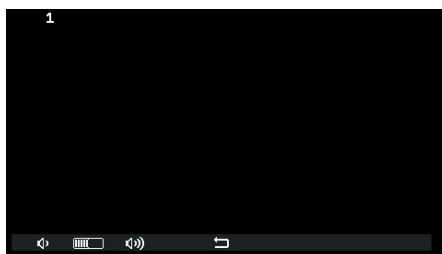


Answering a video call

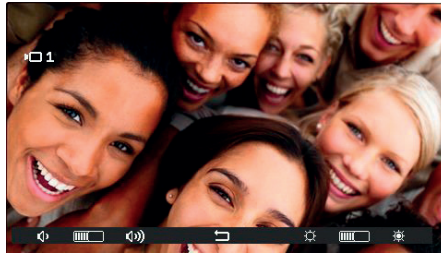
As in a conversation with an indoor station, **T3** has the function of muting the microphone. The icon indicates the state, so  means that the microphone is on and  that it is off.

After answering, it is possible to use the *Actuations* context or the **LOCK**  key, unless programmed for another function.

During the conversation, the  key serves to enter the *Audio only settings* context if the call originates from an audio outdoor station or *Audio and video settings* context if the call originates from an audio/video outdoor station.





Audio settings



Audio/video settings

The **T1** and **T3**, **T2** and **T4** keys turn grey respectively when the minimum and maximum levels are reached.

The conversation can be ended using the **P/A**  key or by the calling outdoor station in the appropriate manner.


N.B.: where configured with SaveProg as "*Enable missed calls*", the LED on the **P/A** key  remains on permanently due to possible calls from the switchboard which were not answered. Answering the current call causes the LED to go off once the indoor station returns to stand-by.


Self-start

The self-starting of an outdoor station is performed with the audio signal relayed from the outdoor station to the indoor station activated so that from the indoor station, the user can hear but not be heard:




Self-start activation



As can be seen from the icon on **T3**, the microphone of the indoor station is muted. It can be enabled or muted again by touching the **T3** key. The **P/A**  key interrupts conversation regardless of whether the microphone is enabled or muted.

During self-start, it is possible to use the *Activations* context or the **LOCK**  key, unless programmed for another function.

The **+↑** key gives access to the *Audio only settings* context if the call originates from an audio outdoor station or *Audio and video settings* context if the call originates from an audio/video outdoor station.

The conversation can be ended using the **P/A**  key or by the outdoor station in the appropriate manner.

Pan – Zoom

Combined with a Pixel outdoor station with appropriate characteristics (for instance, Art. 41004 and 41005, with FW version supporting the function), indoor station Art. 7558 shows in the central key in the *Video only settings* context, the  icon instead of . The icon does not appear if the outdoor station does not have the required characteristics. If possible, it appears both for calls from outdoor stations even before answering, and in self-start.






Pressing the central key the  icon goes to the *Pan / Zoom* context.



In the *Pan / Zoom* context it is possible to instruct the Pixel outdoor station to show one of the five zones, in the order indicated in the following table, with full-screen zoom:

ORDER	EXAMPLE	ORDER	EXAMPLE
1 COMPLETE IMAGE		5 BOTTOM RIGHT CORNER	
2 CENTRAL AREA		6 BOTTOM LEFT CORNER	
3 TOP LEFT CORNER		7 COMPLETE IMAGE	
4 TOP RIGHT CORNER			


The T1 key with the  icon moves upwards in this table (the images change anti-clockwise). The T4 key with the  icon moves downwards (the images change clockwise).

The central key, now , allows you to return to the *Actuations* context.

Alert

indoor station Art. 7558, together with porter switchboard Art. 40510, creates a system that can send an alert to the switchboard operator even when the Due Fili bus is busy.

To activate this service:

1. Programme via *SaveProg* or the indoor station key **T2** in the *Intercom* context to enable the Alert function. The icon displayed is . More than one key can be programmed to perform the same function, but the results will be indistinguishable.
2. Enter the *Intercom* context.
3. Touch one of the previously programmed keys.
4. The indoor station sends the alert.
5. It is possible to use the pair of terminals FP-M as a remote input for the Alert function. Their use does not preclude the configuration of **T2**, and vice versa, but the local landing call function will be lost (FP-M terminals). The FP-M operating mode is selected using *SaveProg*. Closing the terminals FP-M has the same operational effect as that described below for key **T2**.

This is what happens then:

6. The indoor station waits to receive the alert from the switchboard. In the meantime, the chosen signalling is sent to the user according to the table below. On receipt of the message, the switchboard emits a double beep and displays a red envelope icon to alert the operator.
7. If it does not receive a replay, the indoor station resends the message every 10 s. After 5 attempts with no reply the indoor station stops sending the messages.
8. When an indoor station receives confirmation of the receipt of the message by the switchboard, the chosen signalling is sent to the user according to the table below. Normally the time between the sending of the request and confirmation of reception is less than a second.
9. Until the switchboard calls the indoor station to service the request, the indoor station resends the message every 120 s. At each message, the switchboard emits two beeps and increases count of messages received. The counter can be viewed by opening the list of alerts in the switchboard. The sending of messages never terminates. It continues until the end of the service described in the next point, unless the switchboard is powered off or removed from the system, in which case the indoor station, after 5 unsuccessful attempts starting from the first timeout of 120 s, will return to standby mode and the LED on the LOCK key will stop flashing.
10. If the switchboard operator calls the indoor station from the list of warnings, and only from this, if the user called answers, a message is sent to the indoor station via the Due Fili bus to end the Alert procedure so the related signal is no longer sent to the user.

Note: if the indoor station is switched off, when it is switched back on again the function starts again from the beginning.

Alert Configuration

Use SaveProg to select some of the characteristics of the Alert function:

1. Enabling
 - a. Disabled (default)
 - b. Enabled
2. Polarity state active
 - a. Contact normally open (default)
 - b. Contact normally closed
3. Activation delay
 - a. 0.1 s (default)
 - b. 0.5 s
 - c. 1 s
 - d. 2 s
4. Signalling mode
 - a. None
 - b. LED associated to the **T2** button (default)
 - c. Sound

According to the selected signalling type, apart from the first, the timer is as follows:

STATUS	LED TIMER	SOUND TIMER
The indoor station waits to receive the alert from the switchboard	Flashing with a cycle of 0.5 s on / 0.5 s off	A 2 KHz tone for 0.2 s
The indoor station has received confirmation of the receipt of the message from the switchboard	Flashing with a cycle of 0.1 s on / 0.1 s off	A 1 KHz tone for 0.1 s

FW updates

SaveProg manages Art. 7558 from version 3.8.6.0 onwards.

Driver for PC

The drivers are the same as for the other device in the TAB family. The first time a device is connected to a USB port, the PC must associate the drivers to the peripheral device even if a TAB device has already been associated. The indoor station is identified in SaveProg as ELVOX_P129A_2.

CE

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