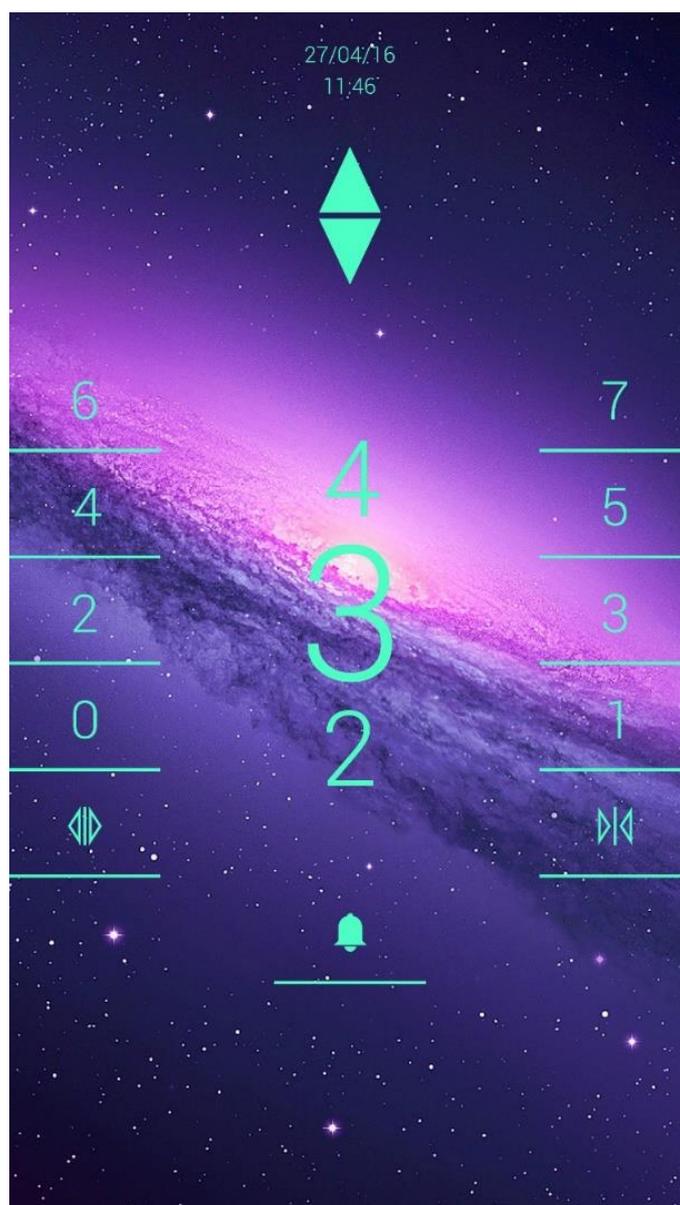


VEGA®

ITALIAN STYLE FOR LIFTS

IRIS TOUCH

USER MANUAL



Rev.10 – Software vers.2.55

Summary

1	DATASHEET	4
2	USED EXTERNAL PORTS	4
3	PARTS LIST	5
4	INSTALLATION	6
5	ON BOARD PROGRAMMING MENU (Touch screen version only)	7
5.1	Operating mode.....	8
5.2	Theme editor	8
5.3	Theme selection	8
5.4	Software update	8
5.5	Software backup.....	8
5.6	Change password.....	8
5.7	Network setting.....	8
5.8	Time and date.....	8
5.9	Language	8
5.10	Reboot.....	8
6	DISPLAY LAYOUT: THEME MEANING	9
6.1	Theme management	9
6.1.1	Create a Theme	9
6.1.2	Import a Theme.....	9
6.1.3	Export a Theme.....	10
6.1.4	Delete a Theme.....	10
6.2	Theme editing.....	11
6.2.1	Change background image	12
6.2.2	Move a graphic item	13
6.2.3	Resize a graphic item.....	13
6.2.4	Enable touch buttons.....	14
6.2.5	Change buttons.....	15
6.2.6	Change floor symbol and floor announcement.....	16
6.2.7	Change arrows	17
6.2.8	Change Alarm	17
6.2.9	Modify widget	18
6.2.10	Add background music.....	19
6.2.11	Add a video	20

6.2.12	Enable/disable audio messages and GONG	20
6.2.13	Set audio volume.....	21
6.3	Theme selection	22
6.3.1	Change default theme	22
6.3.2	Activate a theme for a specific period in a month	23
6.3.3	Activate a theme for a specific period in a day	24
6.3.4	Activate a theme by a serial input.....	25
6.3.5	Enable cluster mode.....	26
7	RECOVERY PROCEDURE GRAPHIC PROJECT.....	28
8	DISPLAY CUT OUT.....	29

1 DATASHEET

Screen Diagonal	15.6"	21.53"
Screen Type	Color TFT-LCD	Color TFT-LCD
Resolution	1080 x 1920 (Full HD)	
Active Area	344.16 (H)x193.59 (V)	476,64 (H) x 268.11 (V)
Colors	16.7 M	16.7 M
White luminance	250 (cd/m ²)	300 cd/m ²
Typical contrast ratio	1000:1	5000
Power Supply Voltage	100 – 240Vac 50-60 Hz by UPS*	
Total Power Consumption	45 W	40 W
Operating Life**	50000 hours	50000 hours
Operating Temperature	0 – 50°	0 – 60°
Operating Humidity	5 – 90 %	5 – 90 %

* **IMPORTANT!** Use of UPS is mandatory. It can be provided by VEGA.

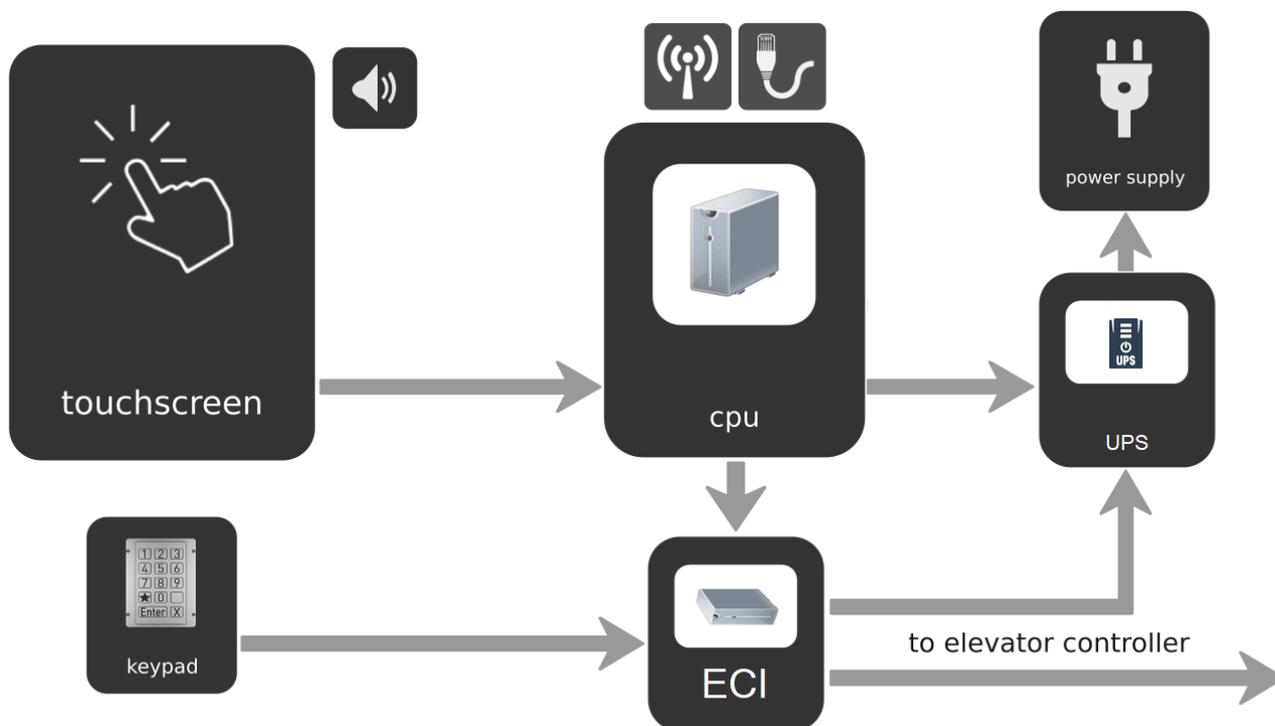
** Brightness loss 50%

2 USED EXTERNAL PORTS

SYMBOL	PORT	USE
	Ethernet	LAN connection
	Audio output	External speaker
	3x USB 2.0 (Black)	External speaker power supply Touch screen connection USB key

3 PARTS LIST

- Color TFT-LCD Full HD with VGA interface;
- Capacitive touch screen with USB interface¹;
- CPU (Processor 1.2 – 1.6 GHz Quad Core, DDR3 Memory);
- TFT power supply unit;
- CPU power supply unit;
- UPS¹:
 - 110-120 Vac 1000VA/600W, typical runtime at blackout 2h;
 - 220-240 Vac 1000VA/600W, typical runtime at blackout 2h;
- Compact speaker stereo set with 6-Watt (3W RMS) output power¹;
- Communication BUS converter;
- Elevator Controller Interface (ECI)²:
 - ITF21-CAN (CAN BUS communication);
 - ITF21-485 (RS485 BUS communication);
 - ITF21-SER (VEGA serial);
 - TRANSPONDER (Parallel CA or CC inputs)
- Keypad¹



¹ Optional.

² The ECI model depends on the elevator controller communication.

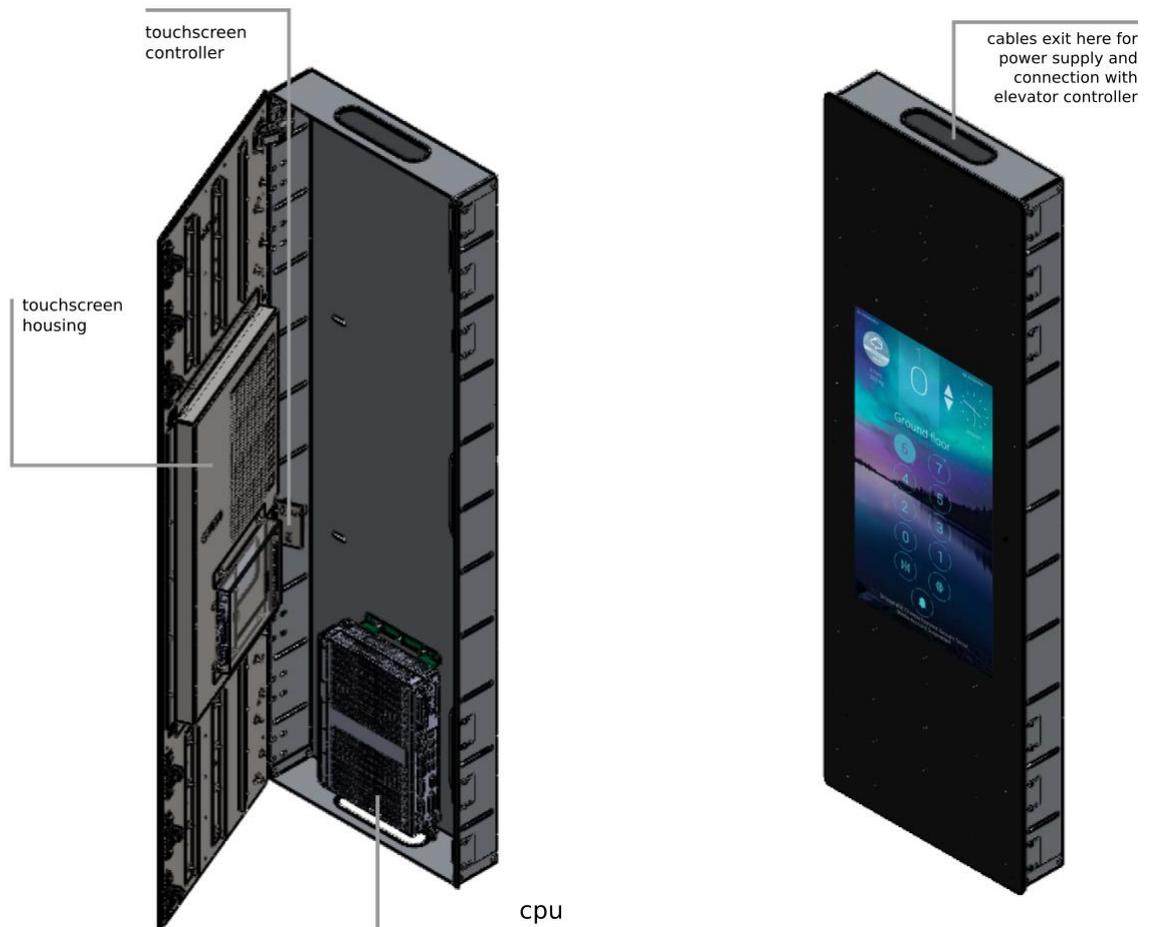


Image provided only as a guide. Mechanical arrangement may change.

4 INSTALLATION

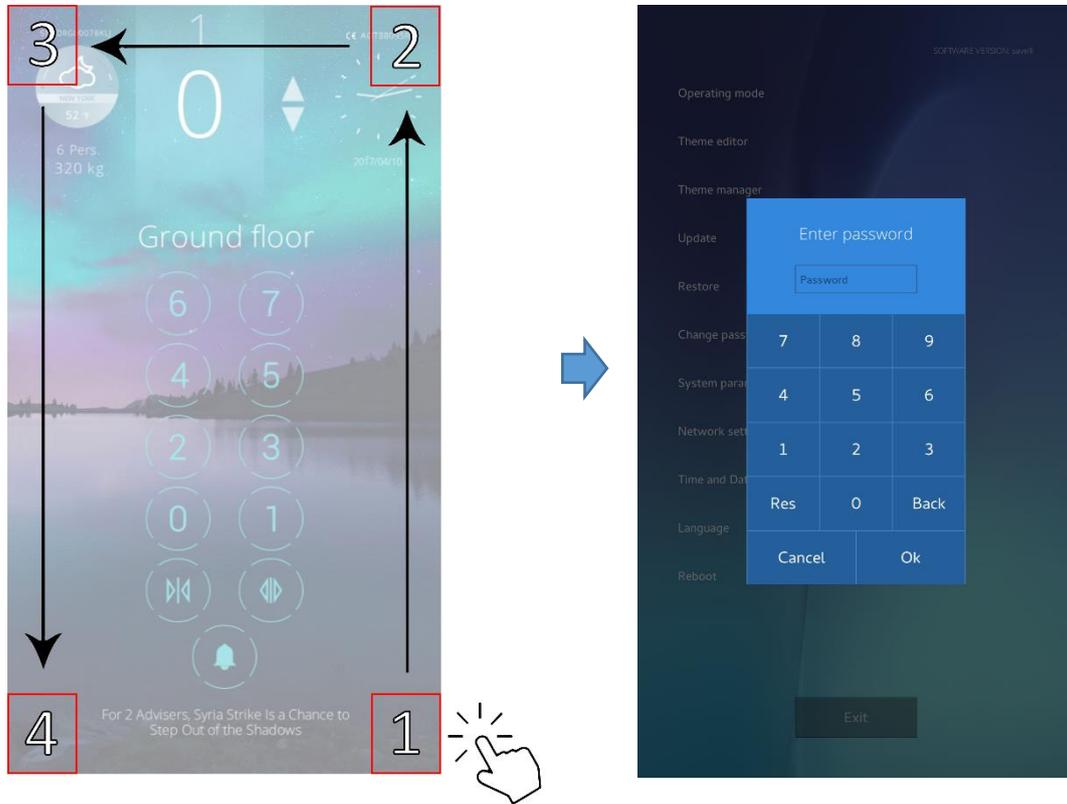
Display provided already mounted in a fixture, for mounting instructions please refer to the specific manual.

Plug TFT and CPU power supply units in the UPS, then power on the UPS with the appropriate input voltage.

For the ECI connections please refer to the specific manual.

5 ON BOARD PROGRAMMING MENU (Touch screen version only)

To enter the menu main page, touch the four corners of the screen following the sequence below then insert the required password and press ok.



5.1 Operating mode

Operating mode selection.

DEMO: the display shows all visual and audio messages and indication (floor and arrows) of the selected Theme. Alarms and indication are random;

VIRTUAL ELEVATOR: like the demo mode but the indicator works like a virtual elevator, you need to push the call buttons to get indication changing;

STANDARD: Use this mode to connect the display to the control panel by ECI.

5.2 Theme editor

By THEME EDITOR, you can:

- create a new layout theme (see par.6.1.1);
- export /import a layout theme by an external USB (see par.6.1.2);
- edit an existing theme (see par 6.2).

5.3 Theme selection

By THEME SELECTION, you can select the layout theme to show, it also possible to activate a scheduled theme management.

5.4 Software update

You can install a software update using a programmed USB memory.

To update the software, copy the update files into a USB memory, then select SOFTWARE UPDATE and follow the on-screen instruction.

5.5 Software backup

Select SOFTWARE BACKUP to reset the system to pre-updating status.

NOTE. Only the last update can be undone.

5.6 Change password

To change password please follow the on-screen instructions.

5.7 Network setting

This submenu allows to configure the network parameters such as IP address, Wi-Fi connection etc.

5.8 Time and date

Use this menu to change system time and date.

5.9 Language

Use this submenu to change the on-board menu language.

5.10 Reboot

Select this submenu to restart the system.

6 DISPLAY LAYOUT: THEME MEANING

A theme defines a graphic layout, a combination of background pictures, sounds, widgets and others graphic elements, which also defines how each element is shown.

Activating a theme (by THEME SELECTION submenu), the system layout will change accordingly. The system layout can be also managed by theme scheduling rules (see Par.6.3).

6.1 Theme management

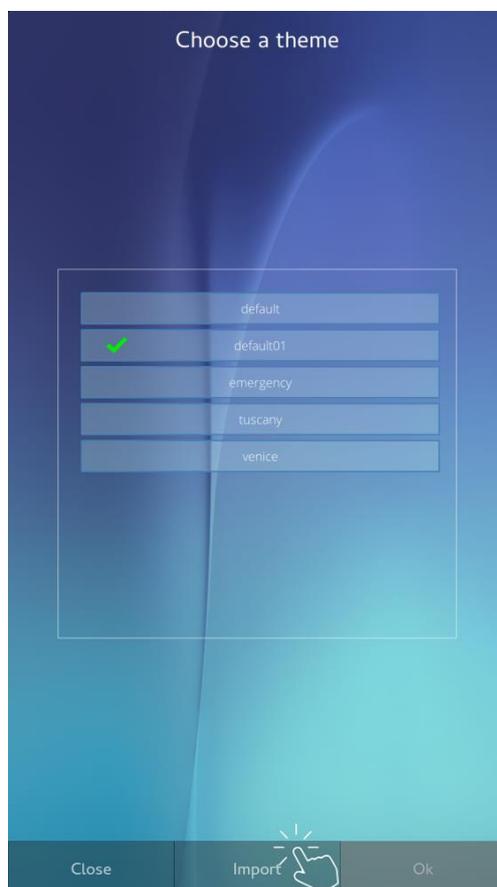
Themes can be created and edited directly by the on-board editor.

6.1.1 Create a Theme

- Enter the on-board programming menu (see Par.5);
- Select THEME EDITOR;
- Push NEW THEME.

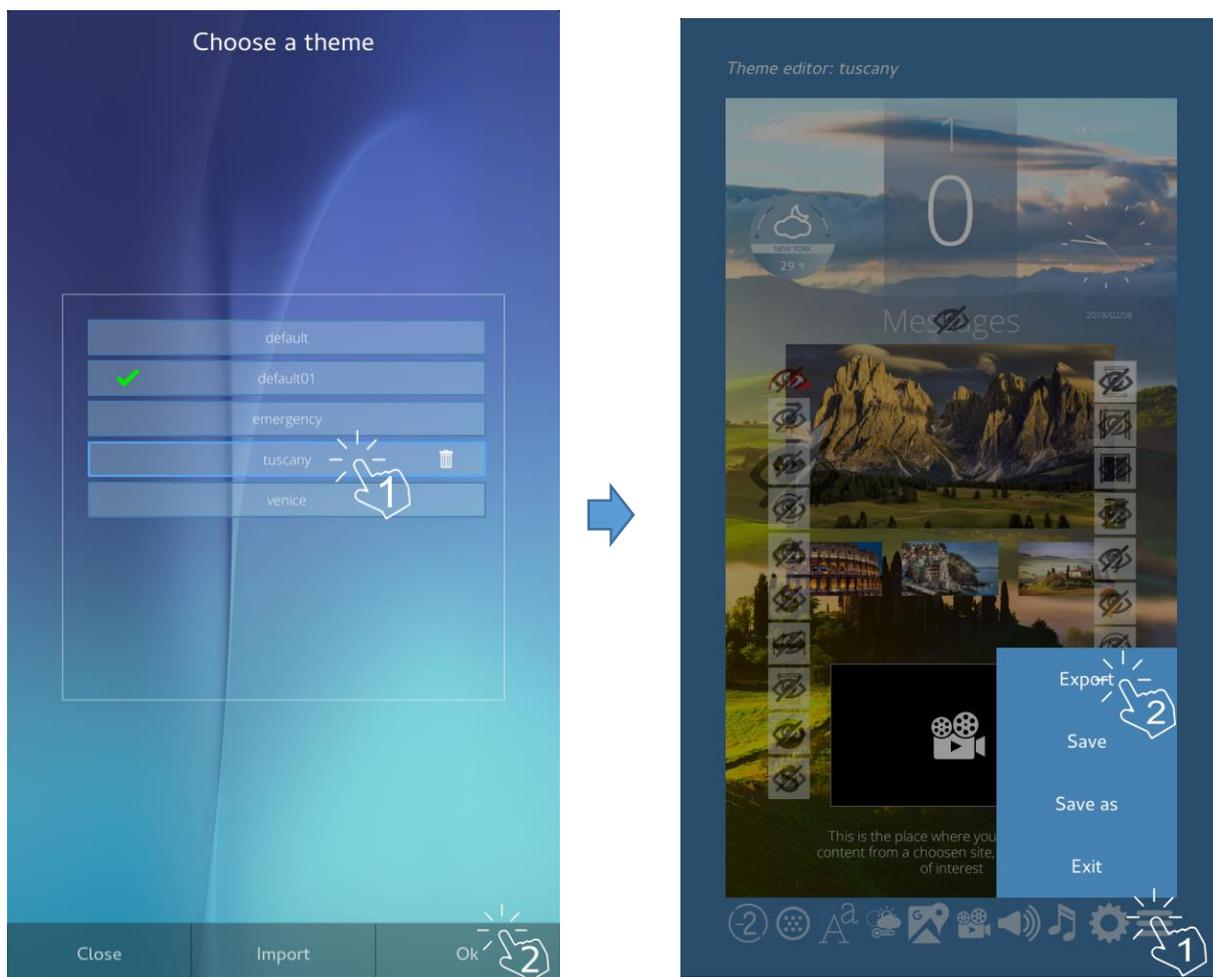
6.1.2 Import a Theme

- Insert the USB memory device into the USB port (on board or USB button);
- Enter the on-board programming menu (see Par.5);
- Select THEME EDITOR;
- Push IMPORT;
- Follow the on-screen instructions.



6.1.3 Export a Theme

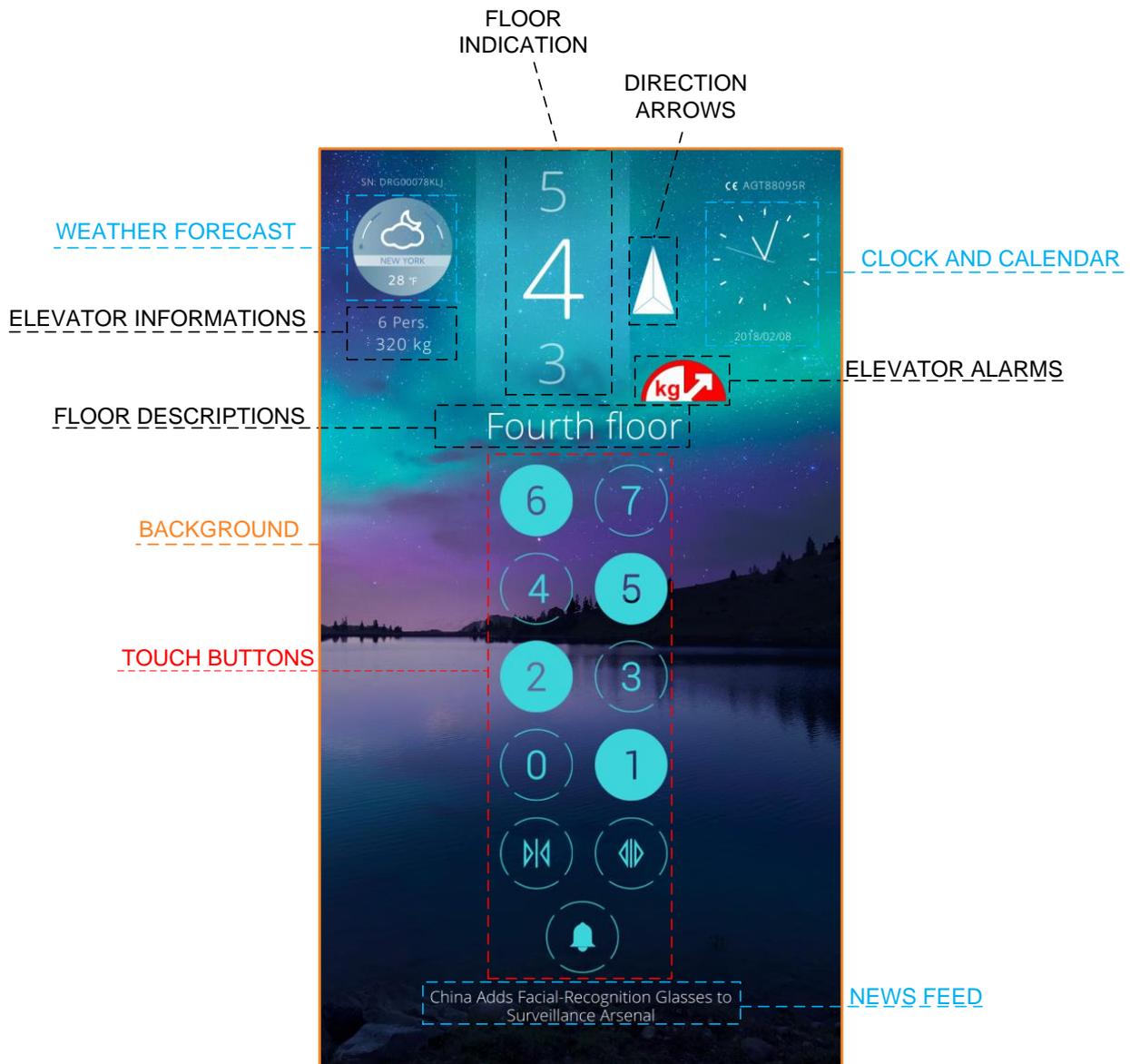
- Insert the USB memory device into the USB port (on board or USB button);
- Enter the on-board programming menu (see Par.5);
- Select THEME EDITOR;
- Choose the Theme to export;
- Push OK;
- The theme editor will be open;
- Push the icon  on the lower right corner;
- Select EXPORT;
- Follow the on-screen instructions.



6.1.4 Delete a Theme

- Enter the on-board programming menu (see Par.5);
- Select THEME EDITOR;
- Choose the Theme to export;
- Push  and confirm;

6.2 Theme editing



By the THEME EDITOR you can edit a theme, changing aspect, size and position of each graphic item. You can also add music, audio messages and video.

To edit a Theme:

- Enter the on-board programming menu (see Par.5);
- Select THEME EDITOR;
- Choose the Theme to export;
- Push OK;



6.2.1 Change background image

To change the background image:

- Click on the image in an area free from other graphic elements;

Now you can select a new background image among those in the system or import new images from the USB.

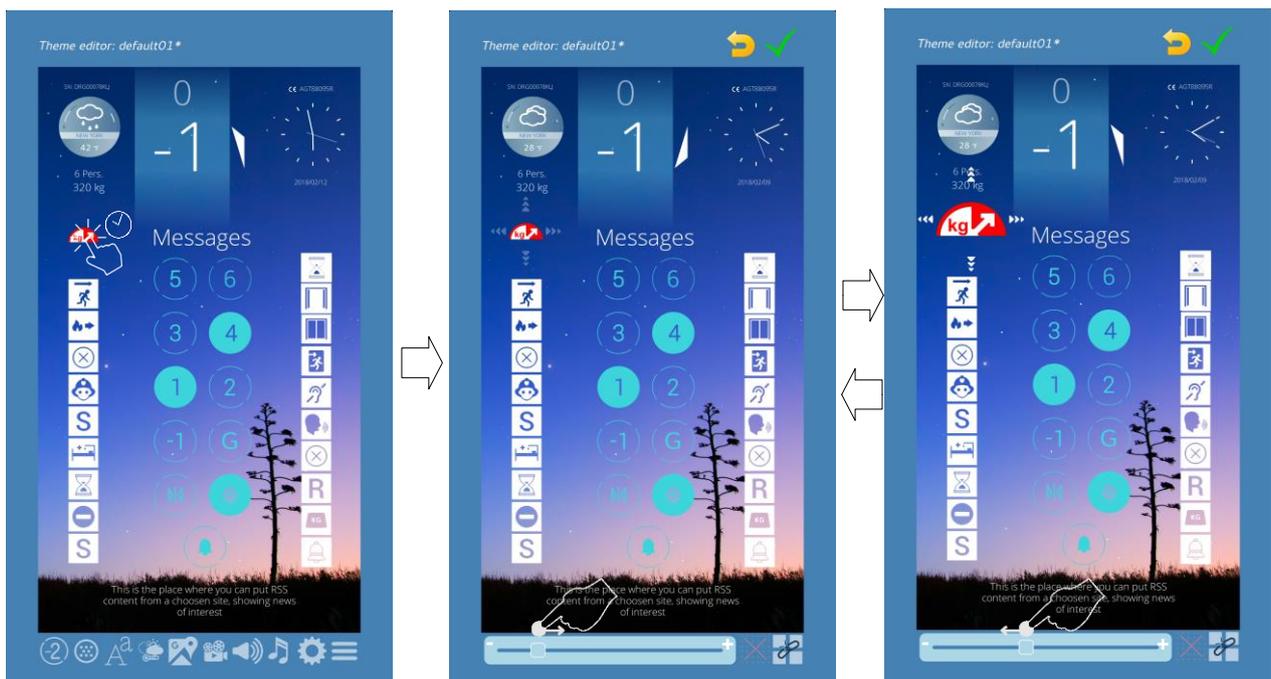
6.2.2 Move a graphic item

- Press and hold the item you want to move until blinking arrows will be shown;
- Drag the item to the desired position;
- Press  to confirm or  to cancel.



6.2.3 Resize a graphic item

- Press and hold the item you want to resize until blinking arrows will be shown;
- Use the slider at bottom of the page to resize the selected item;
- Press  to confirm or  to cancel.



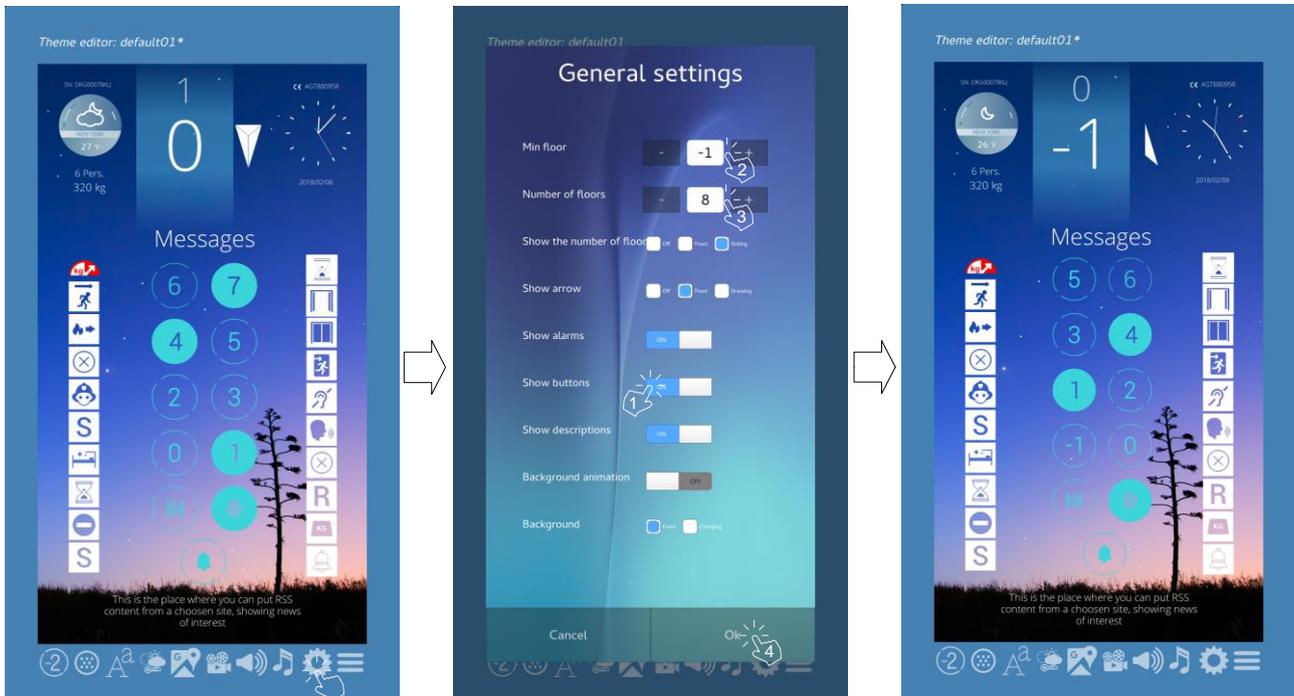
6.2.4 Enable touch buttons

To use the call buttons:

- Touch the general settings icon ;
- Set SHOW BUTTONS: ON;
- Set the lowest floor in MIN FLOOR;
- Set the NUMBER OF FLOOR (N);

Now N+3 buttons will be shown:

- N call buttons starting from MIN FLOOR;
- OPEN DOOR button;
- CLOSE DOOR button;
- ALARM button;



6.2.5 Change buttons

Each button can be managed as an Image or Text.

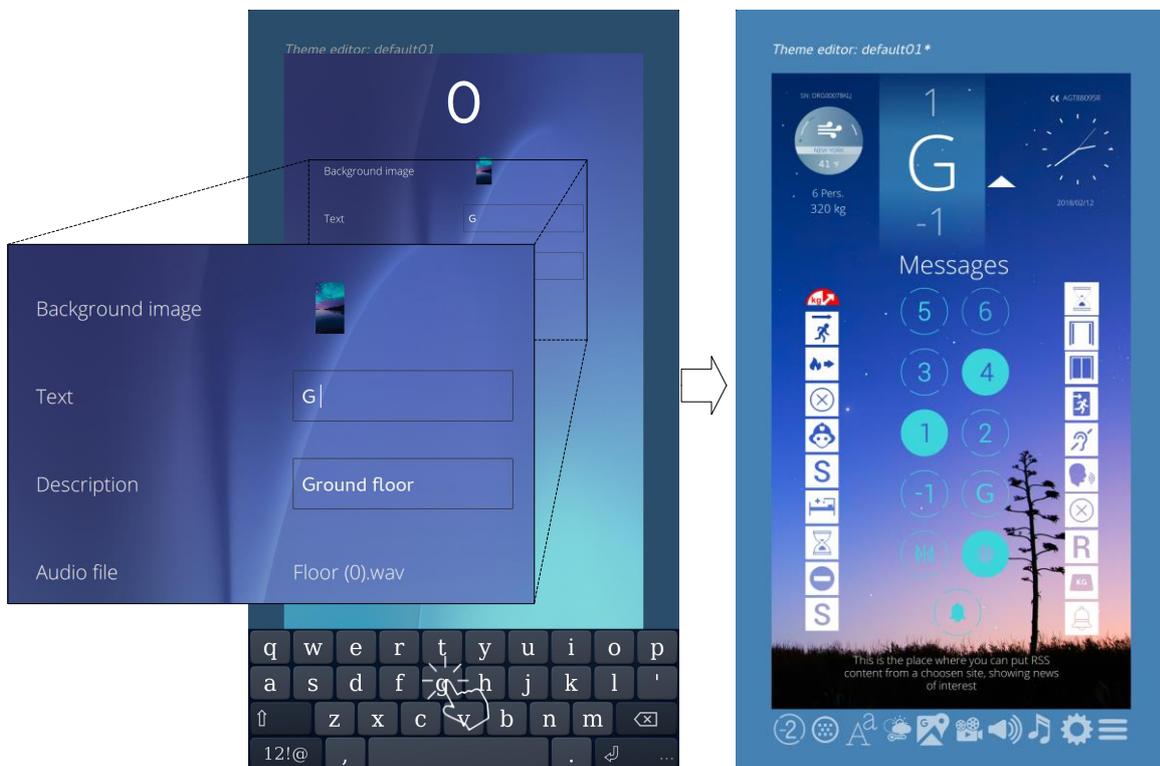
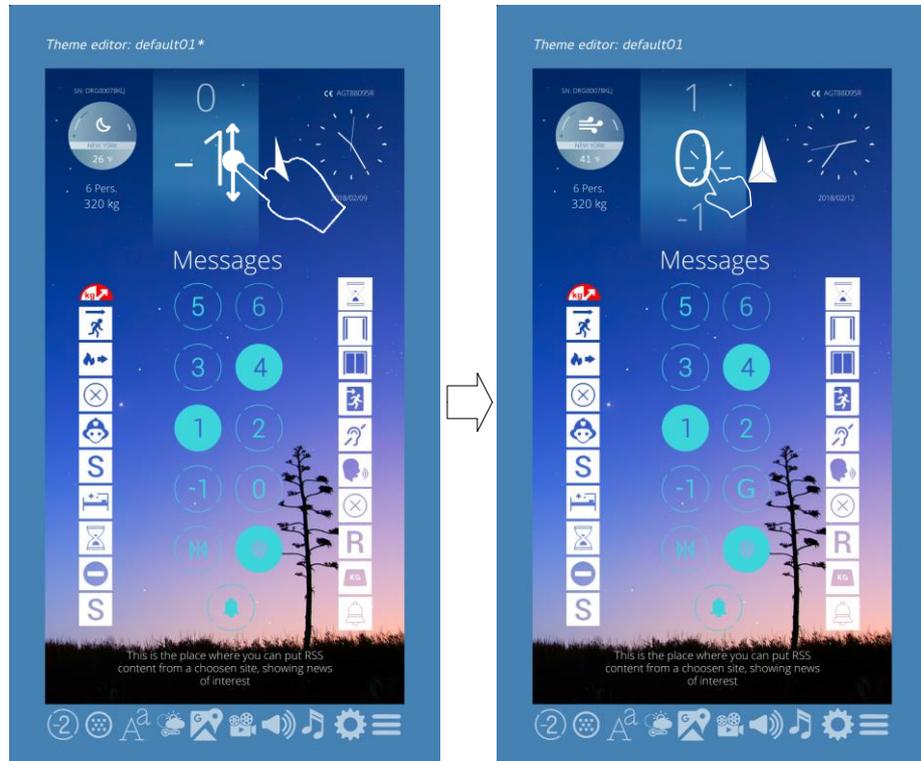
In both cases, you can change the button content (image or the text) in ON and OFF states and change some appearance settings.

You can select a new button image among those in the system or import new images from the USB.



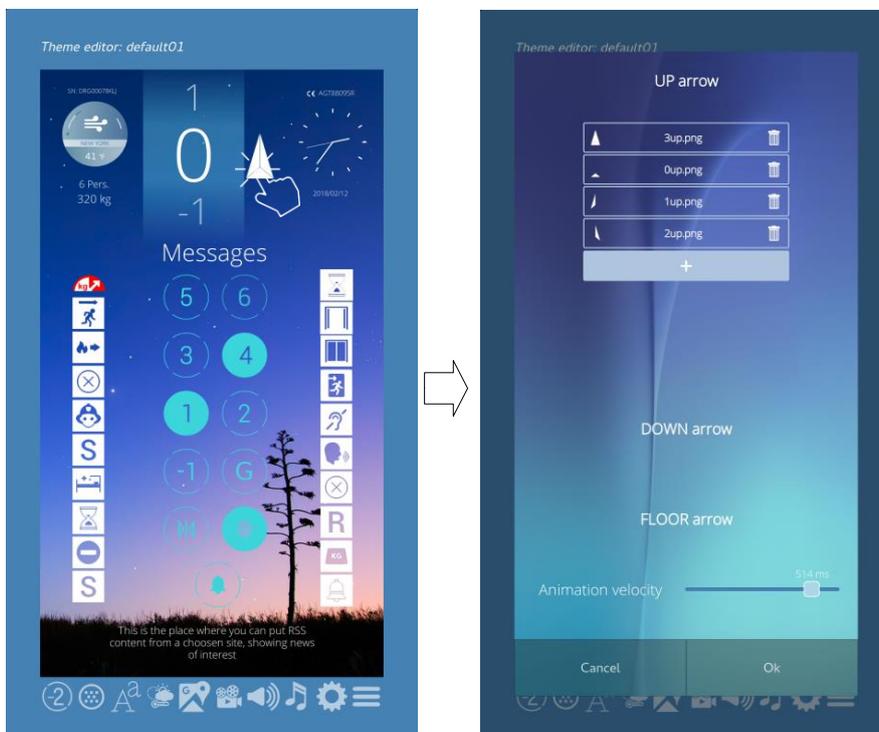
6.2.6 Change floor symbol and floor announcement

- Flick the floor indicator and touch the floor you want to change
- Here you can change floor text (max 3 characters), description, audio announcement and background images associated with the floor.



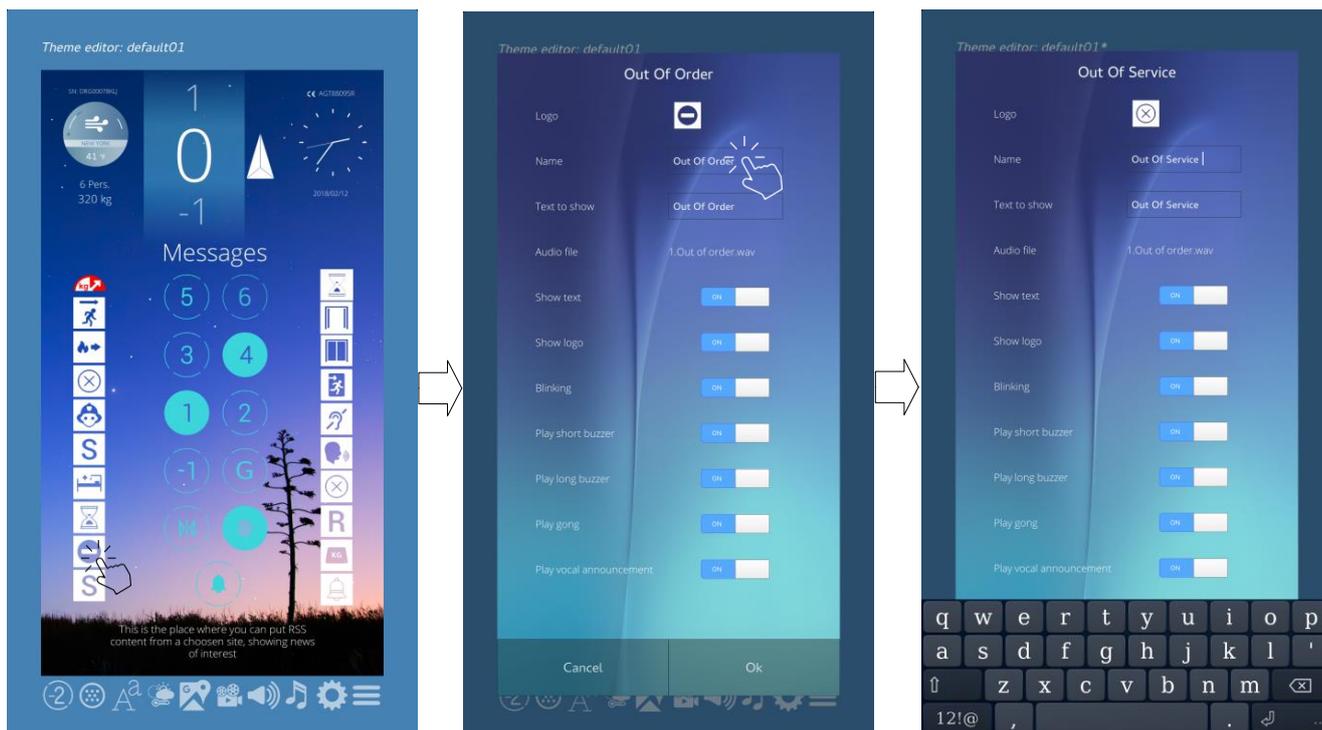
6.2.7 Change arrows

- Touch the arrow;
- Select the arrow type (up/down/floor) you want to edit;
- Choose the image files you want to use as animation frames.



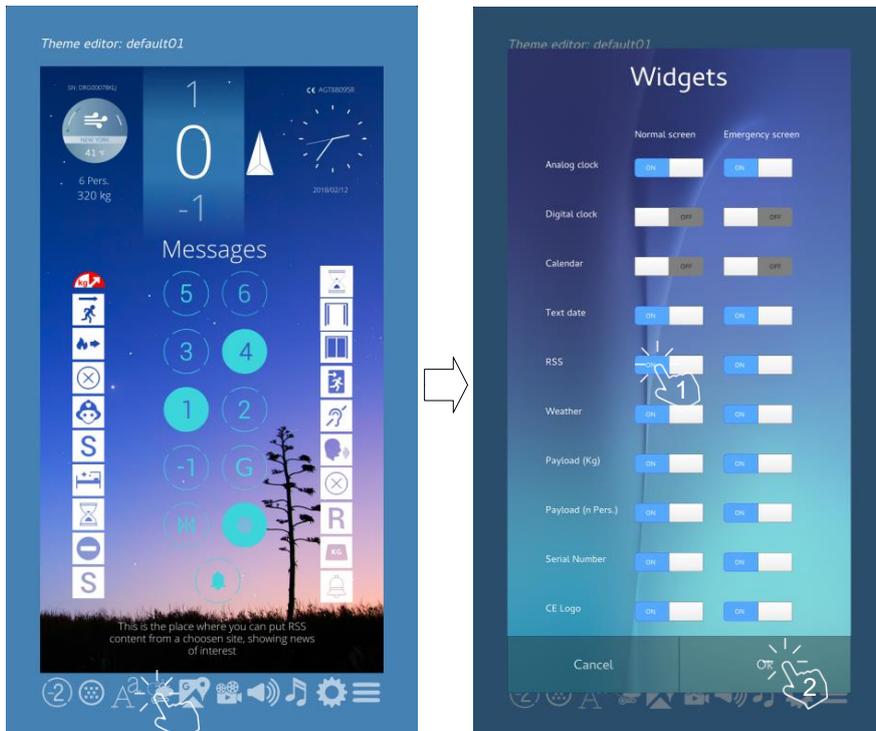
6.2.8 Change Alarm

- Touch the icon of the alarm you want to change;
- Here you can change alarm name, text, icon, and audio announcement.

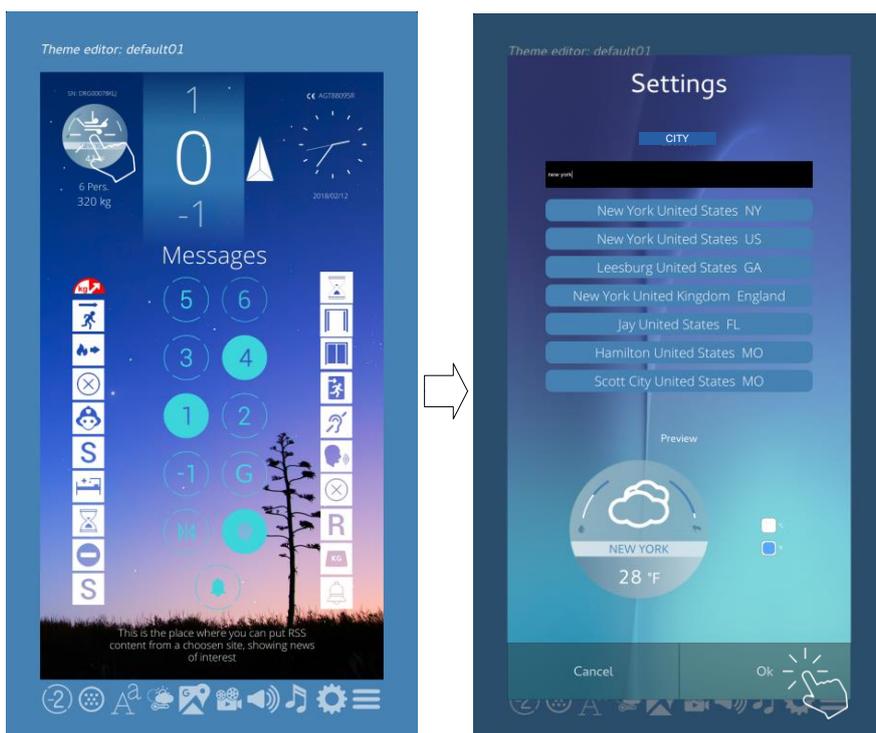


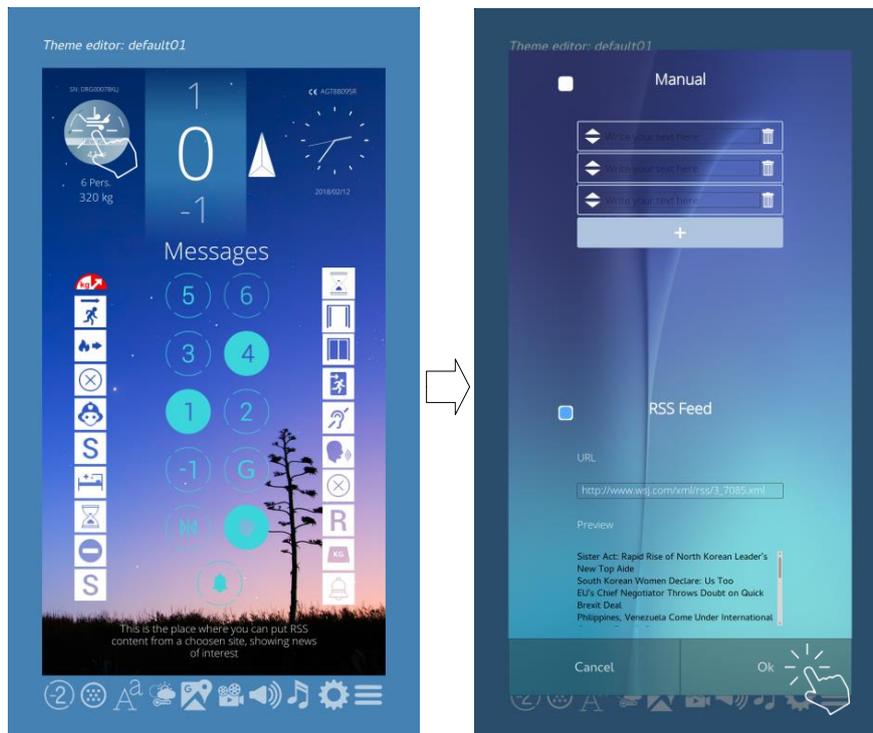
6.2.9 Modify widget

- Touch the widgets icon 
- Enable/disable the widget you want to have or not in normal mode or emergency mode, then press ok



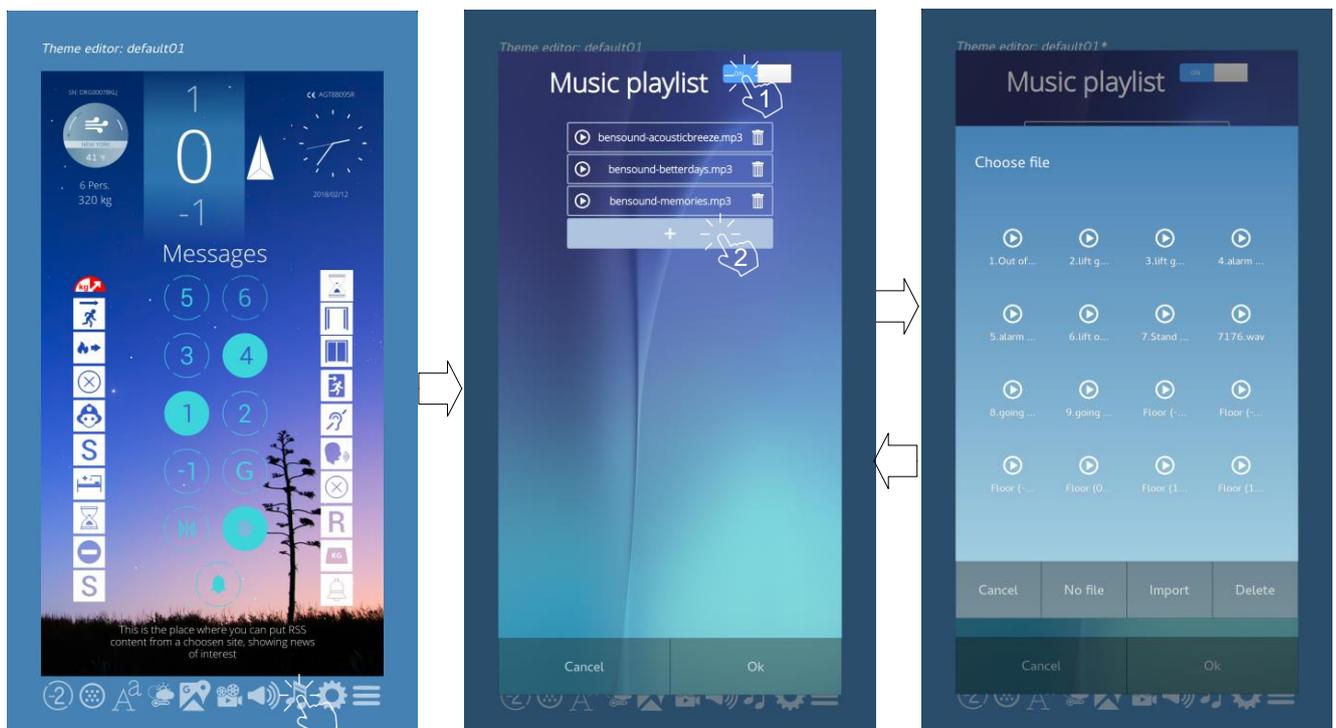
Touching the widget on the editor main page, a settings window will be shown in order to modify it.





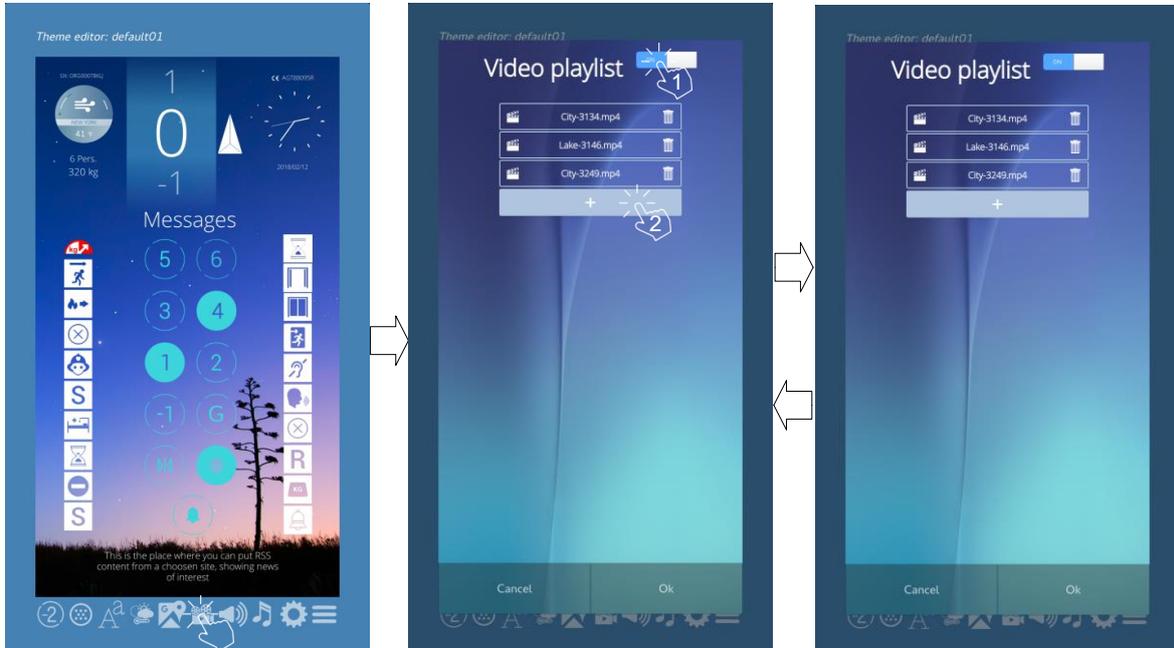
6.2.10 Add background music

- Touch MUSIC icon ;
- Enable the playlist
- Choose your songs (you can import new songs from the USB).



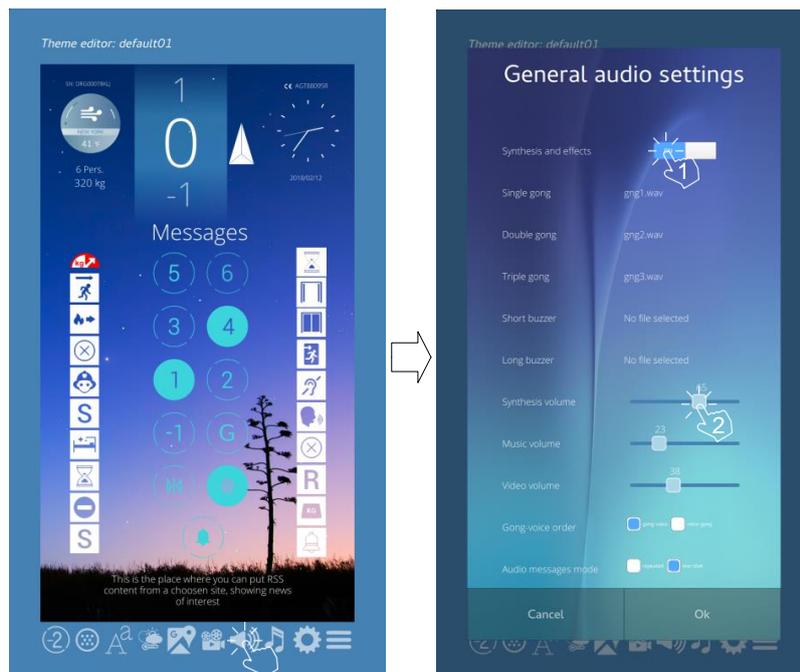
6.2.11 Add a video

- Touch VIDEO icon ;
- Enable the video playlist
- Choose your videos (you can import new videos from the USB);



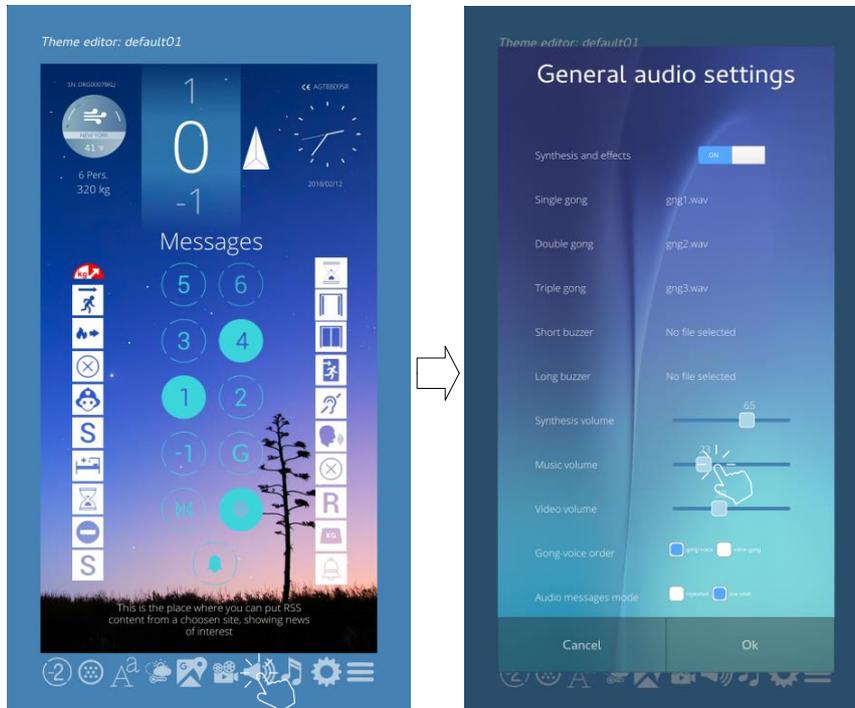
6.2.12 Enable/disable audio messages and GONG

- Touch AUDIO SETTINGS icon ;
- Enable/Disable SYNTHESYS AND EFFECTS;
- Set SYNTHESYS VOLUME;



6.2.13 Set audio volume

- Touch AUDIO SETTINGS icon ;
- Set SYNTHESYS VOLUME, MUSIC VOLUME and VIDEO VOLUME;



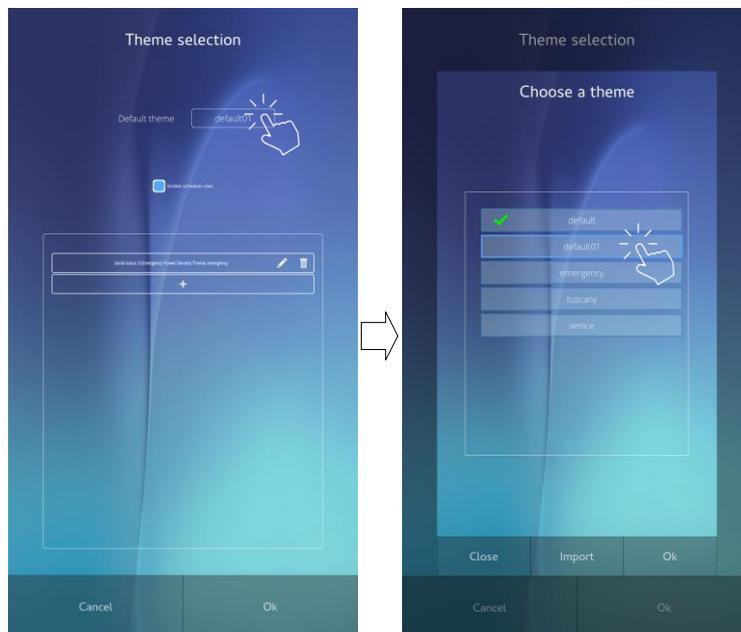
6.3 Theme selection

Activate a theme (by THEME SELECTION submenu) to change the system layout.

The activation of a theme can be linked to the occurrence of certain conditions through the definition of one or more scheduling rules. If no rule is verified, the Default theme will be activated.

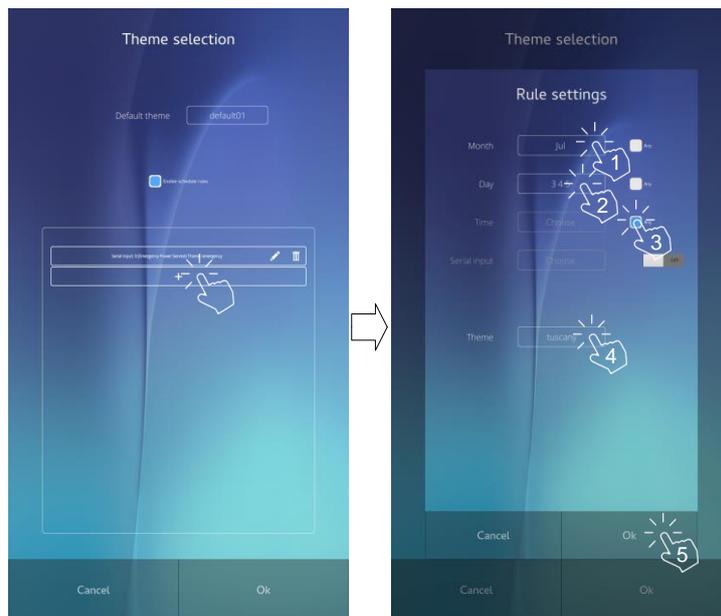
6.3.1 Change default theme

- Enter the on-board programming menu (see Par.5);
- Select THEME SELECTION;
- Touch the default theme name;
- Select a theme among those in the system or import a new theme from the USB.
- The symbol indicates the active theme.



6.3.2 Activate a theme for a specific period in a month

- Enter the on-board programming menu (see Par.5);
- Select THEME SELECTION;
- Enable schedule rules;
- Touch  to add a new rule;
- Select the month;
- Select the days;
- Select TIME=ANY;
- Select the theme and confirm;



IMPORTANT: If the period runs over two months, you must create two different rules

Example

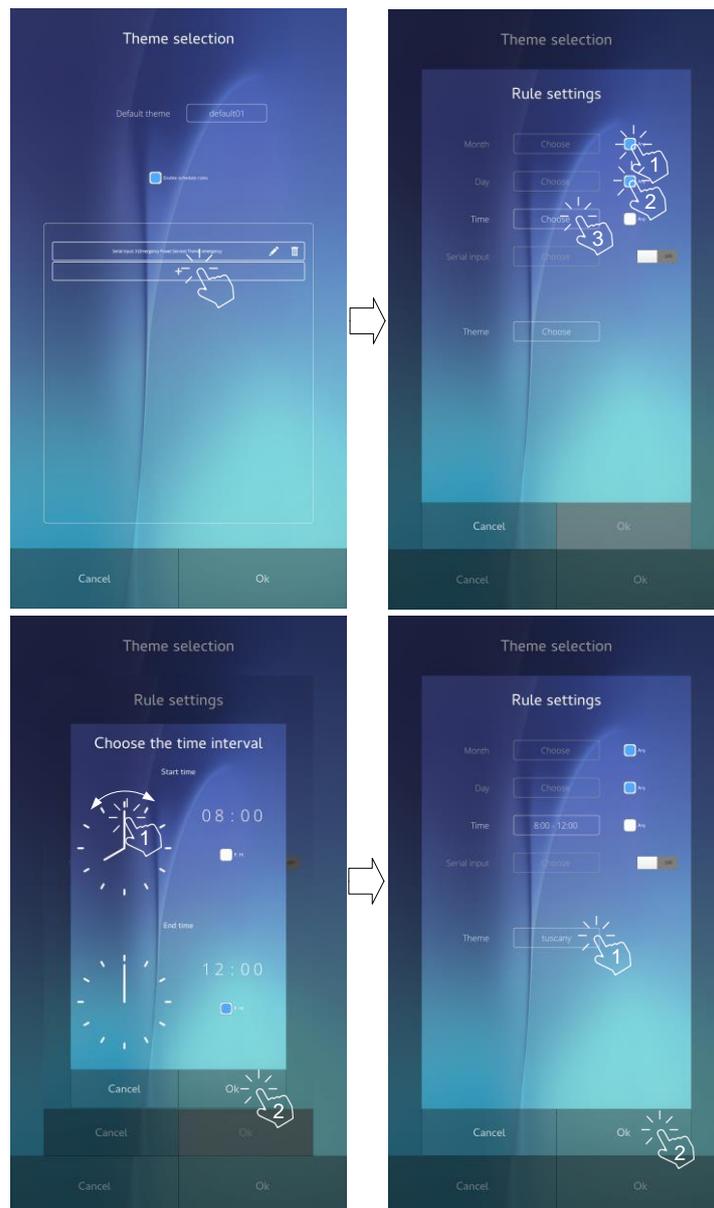
Period: 25 December - 06 January

Rule 1: 25 December – 31 December

Rule 2: 01 January – 06 January

6.3.3 Activate a theme for a specific period in a day

- Enter the on-board programming menu (see Par.5);
- Select THEME SELECTION;
- Enable schedule rules;
- Touch  to add a new rule;
- Select MONTH=ANY;
- Select DAYS=ANY;
- Select the time interval;
- Select the theme and confirm;



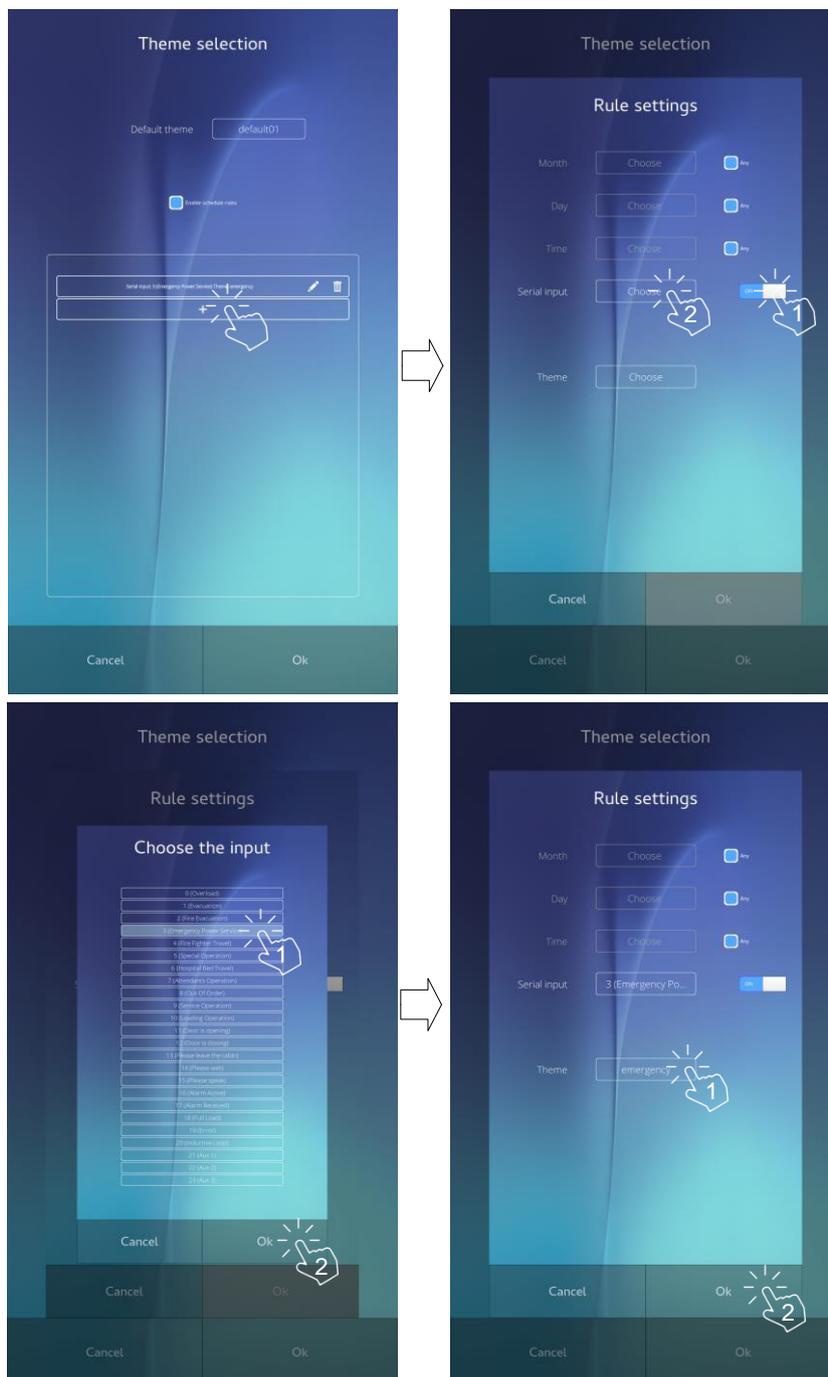
IMPORTANT: If the time interval runs over two days, you must create two different rules

Example

- Period: 8:00 p.m. – 8:00 a.m.
 Rule 1: 8:00 p.m. – 11:59 p.m.
 Rule 2: 12:00 a.m. – 8:00 a.m.

6.3.4 Activate a theme by a serial input

- Enter the on-board programming menu (see Par.5);
- Select THEME SELECTION;
- Enable schedule rules;
- Touch  to add a new rule;
- Select MONTH=ANY;
- Select DAYS=ANY;
- Select TIME=ANY;
- Select the input you want to use as trigger;
- Select the theme and confirm.



6.3.5 Enable cluster mode

With cluster mode user can share media content between multiple Iris touch TFTs in same installation. In order to able to communicate, connect device to LAN network (Wi-Fi or Ethernet) via [Network Settings](#). Use fixed IP address so the device will keep their IP address lifetime.

To input IP address just press touch for more than 3 seconds and the touch keyboard will appears. A single touch will be sufficient to hide it again.

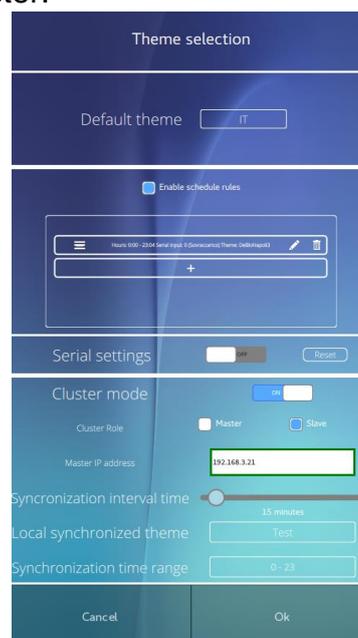
Currently supported widget:

- Video playlist
- Music playlist
- Image Slideshows
- Text Slideshows

Only media source files are shared, not the widget position or enabling state.

To add device to cluster follow these points:

- Enable cluster mode
- In case of slave configure:
 - Master IP address
 - Synchronization time interval: indicates the polling frequency with which the slave polls the master
 - Local theme to synchronize: indicates the theme in the device that is synchronized with the master current theme
 - Synchronization time range: indicates a time slot in which the slave can synchronize with the master.



In a cluster with more than 10 devices, it is advisable to set up a multi-level device tree. In fact, it is possible to designate another slave as the master. In this case, the load of updates is shared among multiple master devices.

In any case different time slots can be assigned to different slaves in order to not overlap the synchronization.

ATTENTION: The simultaneous connection of multiple slaves to same master can lead to some input lag in master display for few minutes. Suggestion is to update master device in empty timespans.

7 RECOVERY PROCEDURE THEME

It is possible to let the device change the theme at startup generating a default one.

This procedure can be useful in case of malfunctions and in the scenario in which the device is unable to correctly start the loaded theme (Usually in this scenario the display remains stuck with a completely white screen).

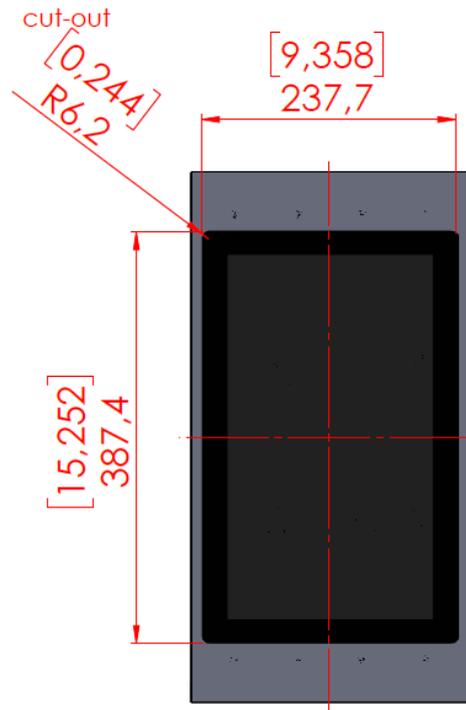
Follow the steps below:

1. Create a file called "**recovery_theme.txt**" on a USB stick.
2. Insert the USB stick into the TFT PC
3. Remove power from the PC
4. Restore power to the PC
5. Wait for the default project to load.
6. Remove the USB stick from the PC.

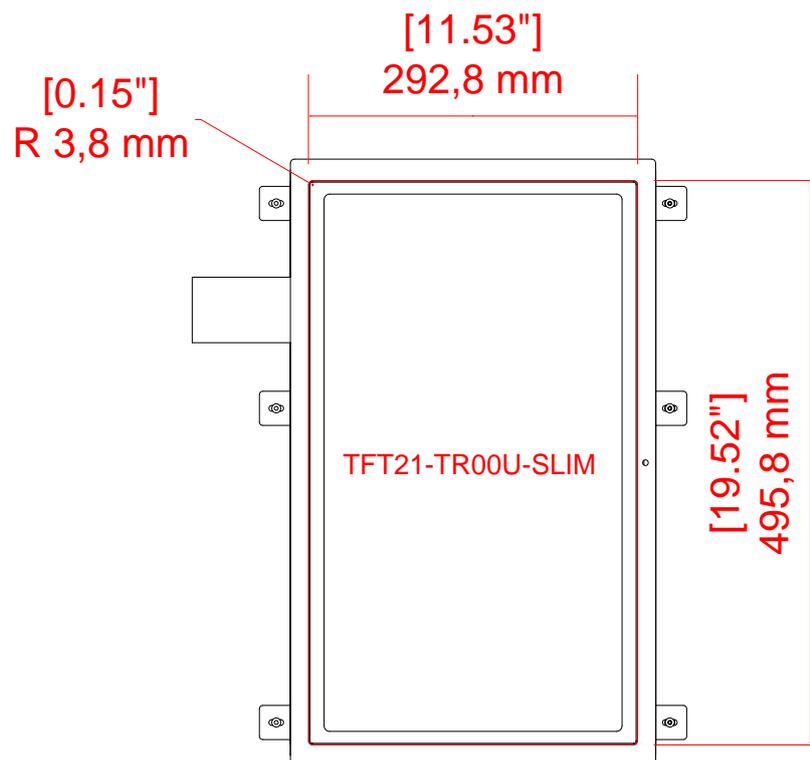
If the procedure is successful, the device will have a default project called recovery followed by a random number as its current project.

8 DISPLAY CUT OUT

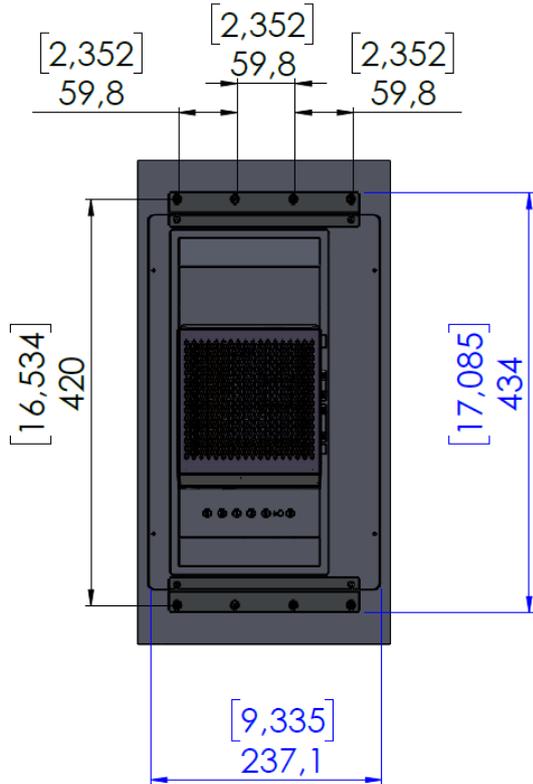
15"



21"

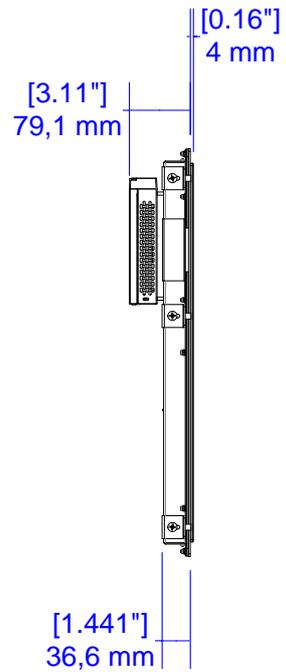
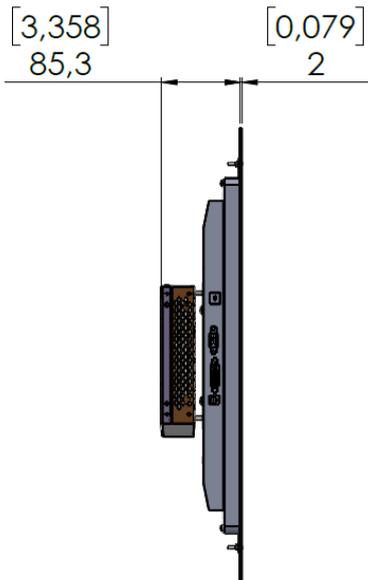
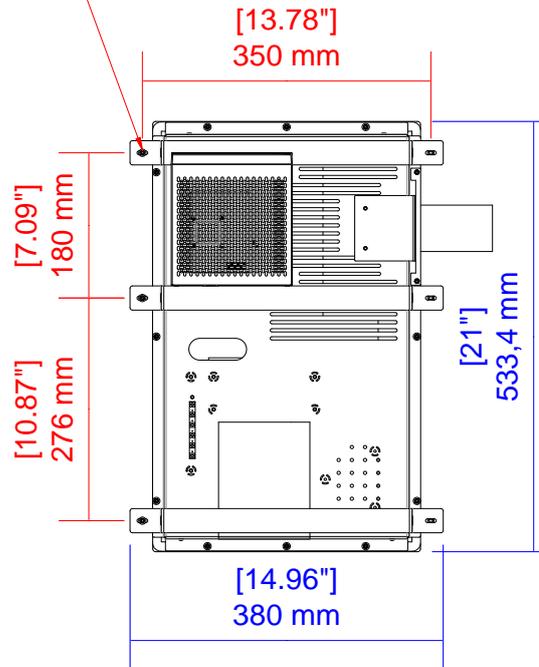


15"



21"

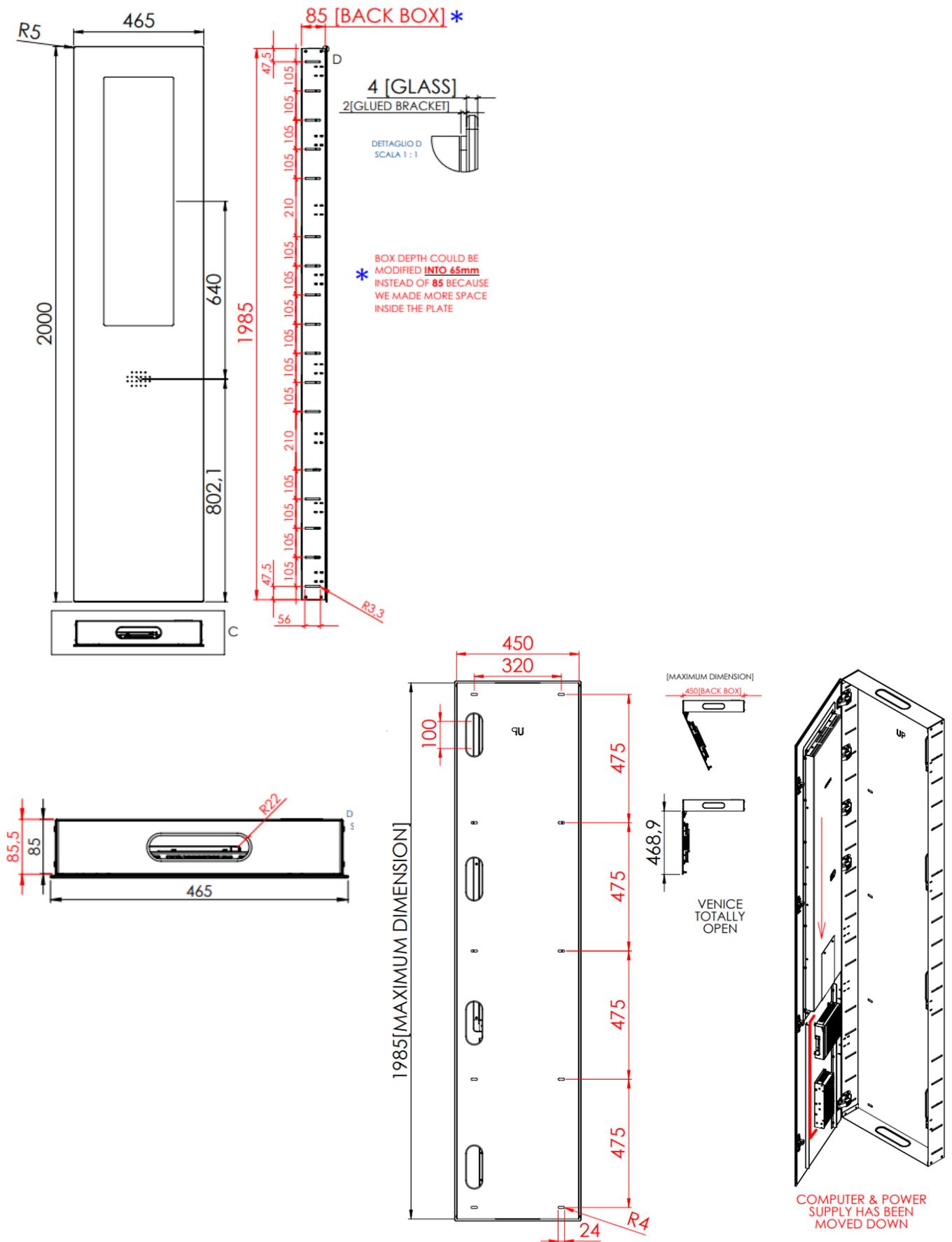
[6 STUDS #4- 40x0.79"]
[6 PEM M3x20 mm]



If the device is installed on a metal plate, it is recommended to connect it to the grounding system.

IRIS TOUCH

37"



COMPUTER & POWER SUPPLY HAS BEEN MOVED DOWN



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