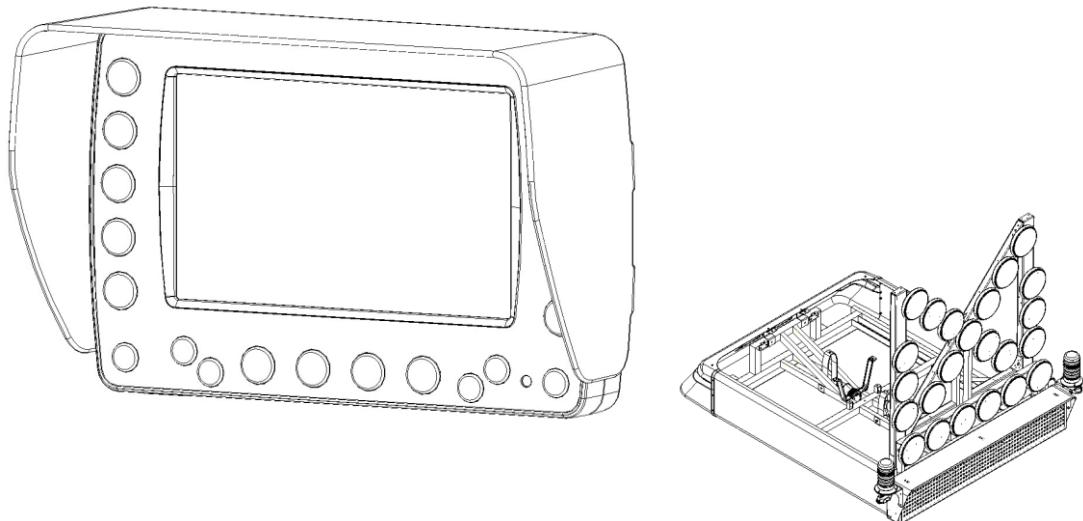




# User Manual

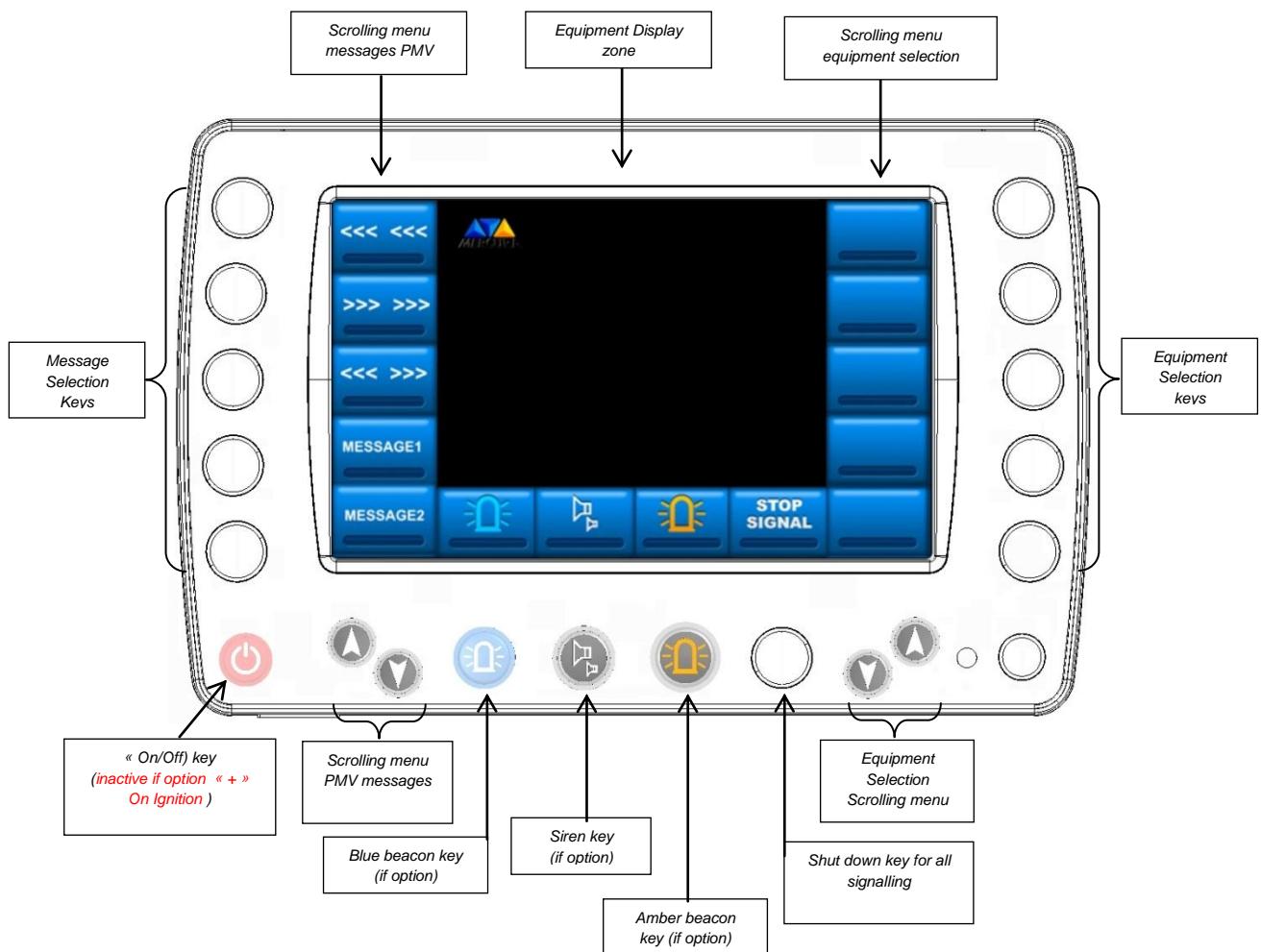
## Graphic Screen & Encased PMV



## SUMMARY

1. CONTROL MODULE DESCRIPTION.....
2. FUNCTIONNING..... **Erreur ! Signet non défini.**
3. MESSAGES.....
4. LIST OF THE MESSAGES .....
5. EQUIPMENT (EXAMPLE) .....
6. ICONS (ACCORDING TO EQUIPMENTS AND OPTIONS) .....
7. SPECIFIC FUNCTIONNINGS.....
8. CONTROL MODULE : ADVANCED MENU.....

## 1. CONTROL MODULE DESCRIPTION



The central zone is exclusively reserved for a visual identification of the different equipment proposed for the roof systems : VMP, Triangle, 14-light arrow, 23-Light emergency arrow ...

They can be graphically represented in two ways :

- Inactive
- Active

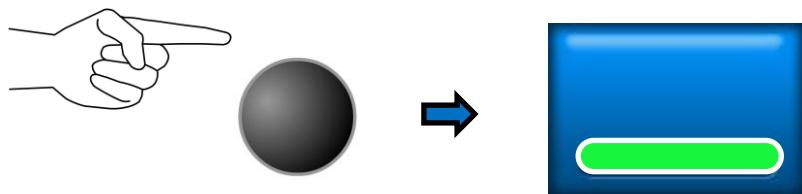
Additional warning graphics complete the display :

Strong wind warning	Problem with the VMP	Problem with equipment	Low battery power	Missing module on the network	Safety shut down active (same for a triangle)

## 2. OPERATING INSTRUCTIONS

### ACTIVATION

Pressing the required button once activates the associated message or equipment. A green band then appears on the associated icon in the graphic band of the control zone.



The graphical representation of the equipment will display in the CENTRAL ZONE DISPLAY.

### FAULT

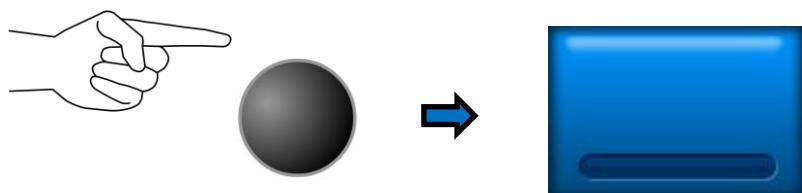
A fault is characterized by a visual and audio warning signal via a red band on the icon and an audio warning which emanates from the built-in buzzer in the control module. (5 beeps).



Press a second time on the button to control the function again. If the fault disappears, the band becomes green and the audio warning stops. If the fault is still present, the alarm will appear again.

### DEACTIVATION

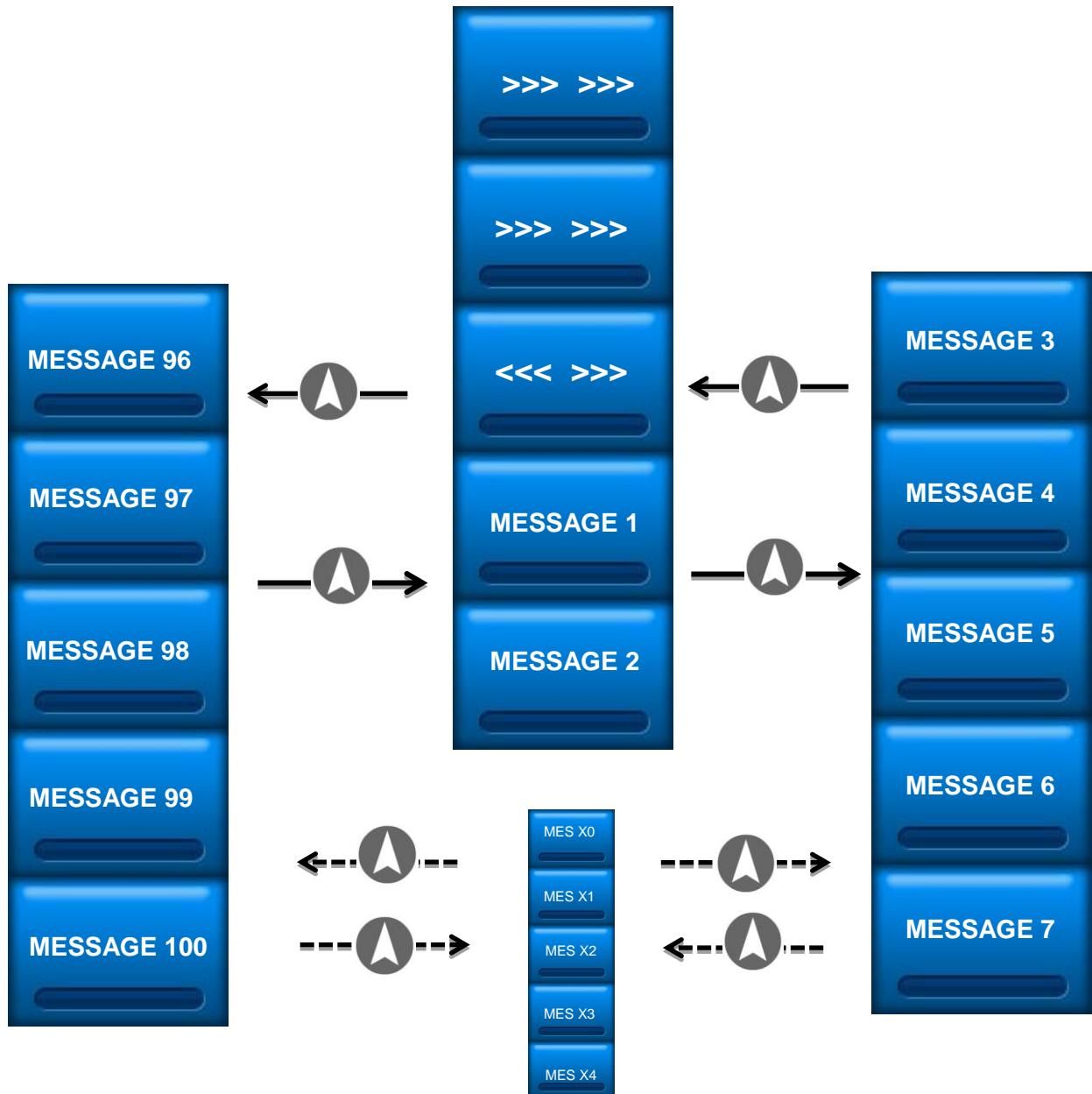
To deactivate, press the button. The luminous band of the icon will go off and the graphical representation of the active equipment in the CENTRAL ZONE DISPLAY will disappear.



### 3. MESSAGES

#### SCROLLING CHEVRONS

The display information available for the VMP can be selected in the scrolling band « MESSAGES PMV »



## 4. LIST OF MESSAGES

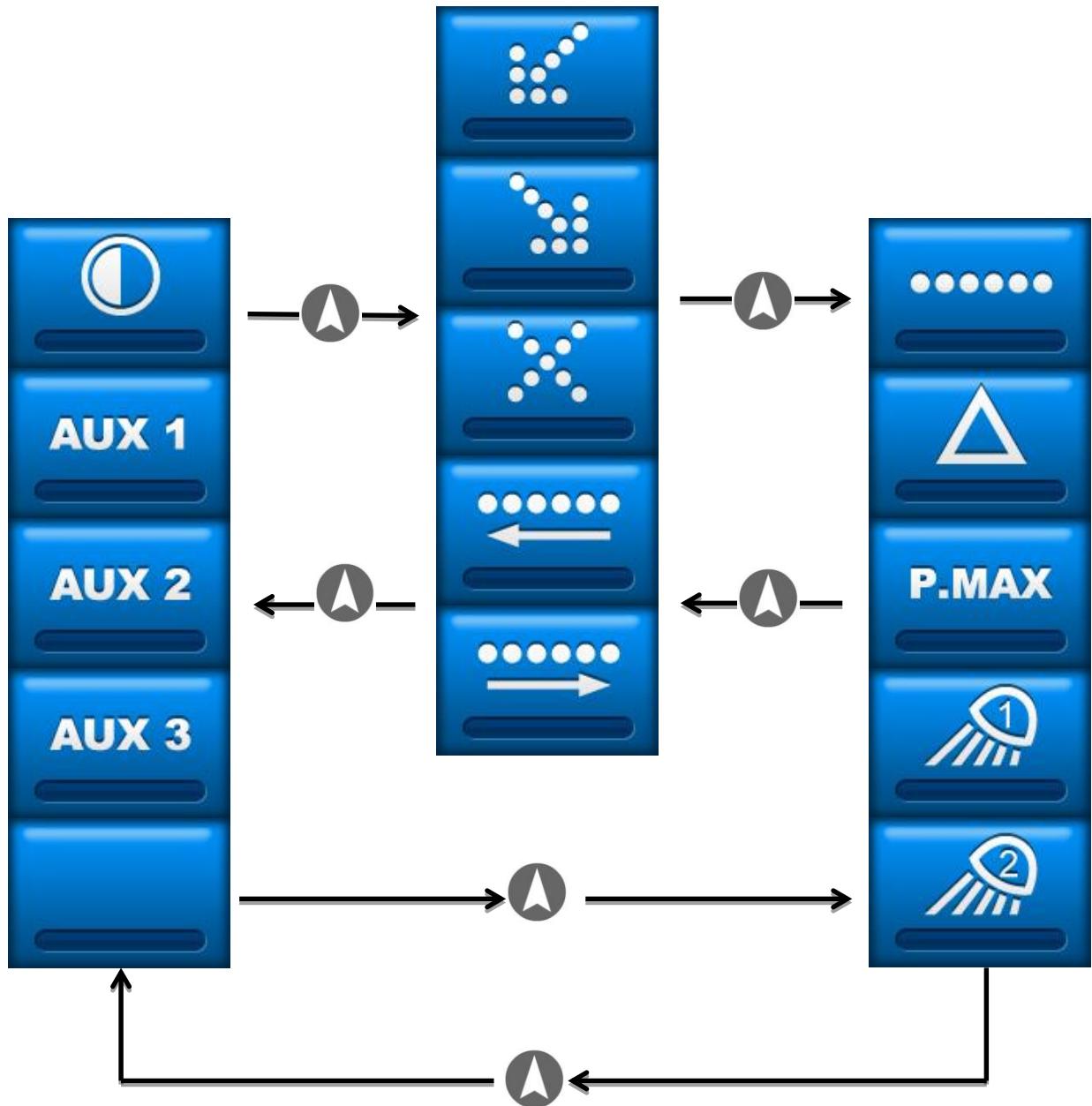
They are accessible via the SCROLLING MENU VMP MESSAGES. To select the required message, click on the appropriate button located opposite the message icon. See message examples below:

1) FOLLOW ME	(2) STOP
(3) MEN AT WORK	(4) DANGER SLOW DOWN
(5) CAUTION	(6) DEBRIS CHECK
(7) ACCIDENT	(8) RECOVERY
(9) SLOW DOWN	(10) PROCEED WITH CAUTION

## 5. EQUIPMENT (EXAMPLES)

Certain equipment has its own dedicated button located below the associated icon. This is the case for certain equipment such as BLUE LIGHTS, SIREN, AMBER BEACONS.

The others are accessible via the EQUIPMENT SCROLLING MENU to the right of the screen.



## 6. ICONS (ACCORDING TO EQUIPMENT AND OPTIONS)

	BLUE LIGHT(S) (Deactivates the function AMBER BEACON and activates the grill lights)		PROJECTOR N°1
	SIREN ( <i>ONLY IF BLUE LIGHT(S) ACTIVE</i> )		PROJECTOR N°2
	AMBER BEACON (Automatically activated by any signalisation except blue light(s))		PROJECTOR N°3
	COMPLETE SHUT DOWN OF ALL SIGNALLING (but not the whole system)		PROJECTOR N°4
	ARROW TO THE LEFT (incompatible if the display PMV interior-exterior or to the right)		NIGHT MODE BEACON (Reduces the brightness of the Gyroled class 2 to 50%)
	ARROW TO THE RIGHT (incompatible if the display PMV interior-exterior or to the left)		SCROLLING CHEVRONS TO THE LEFT (Incompatible with RIGHT ARROW or CROSS MODE)
	LIGHT ARROW CROSS MODE		SCROLLING CHEVRONS TO THE RIGHT (Incompatible with LEFT ARROW or CROSS MODE)
	KR41 LIGHT SCROLLING TO THE RIGHT		SCROLLING CHEVRONS from the inside to the outside (incompatible with RIGHT or LEFT ARROW)
	KR41 LIGHT SCROLLING TO THE LEFT		14-lights arrow to the left
	KR41 FLASHING LIGHTS		14-light arrow to the right
	INCREASES LIGHTING TO MAXIMUM BRIGHTNESS 100% (when in night mode / except for the Gyroleds)		Bisignal
	Triangle control		Left projector
	AUXILLIARY 1 control		Right projector
	AUXILLIARY 2 control		
	AUXILLIARY 3 control		
	OFF logo displayed on the screen : shut down system in progress		
	<b>IMPORTANT :</b> The shut down system is effective if the motor is off and the ignition key removed (if option)		

## 7. SPECIFIC FUNCTIONS

### DIRECTION CONCORDANCE

When the scrolling and the arrows (12 or 23 lights) are activated, any direction change of the arrow automatically changes the scrolling chevron direction. It is not possible to activate the scrolling differently than the arrow.



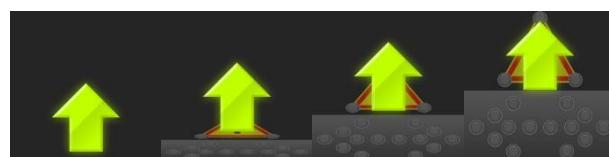
### AUTOMATIC RAISING/LOWERING OF EQUIPMENT

The raising of the equipment is represented on the screen by a graphic depicting the type of equipment + a green arrow directed upwards.

Example for a triangle :



For a 14 light arrow :



For a 23 light arrow :

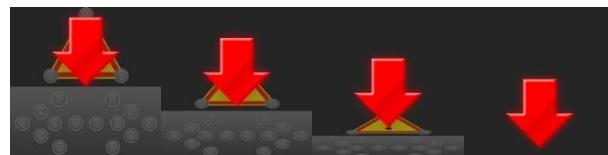


The lowering of the equipment is represented on the screen by a graphic depicting the type of equipment + an arrow directed downwards

Example for a triangle :



For a 14 light arrow

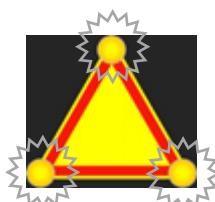


For a 23 light arrow



## DISPLAY OF THE ACTIVE AND INACTIVE ELEMENTS

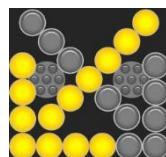
A triangle on which the lights are active is represented by flashing lights



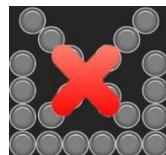
Ditto for 14 light Arrow



Or 23 light Arrow



A fault on a 23 light arrow is represented by :



The associated warning appears on the screen and there is an audio warning sound.

The active beacons display according to their respective colour.

Orange for an Amber GYROLED® - Blue for a Blue GYROLED®



In some setups :

- Amber GYROLED® are activated automatically by the handbrake when the blue GYROLEDs are active.
- Putting on the handbrake shuts down the grill lights if there are any.
- Taking off the handbrake activates the grill lights again and shuts down the amber GYROLED if the blue GYROLED are active.
- In some cases, certain setups with a siren automatically activate the Blue GYROLEDS if this is activated.

When inactive, the colour displayed is grey :



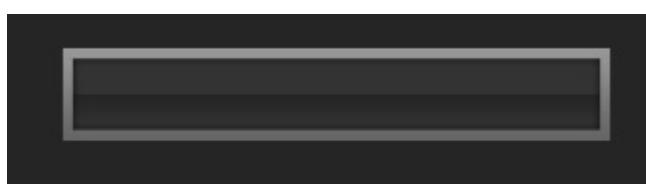
For a right or left active projector :



When inactive, the colour displayed is grey :



The LMP and VMP's graphical representation is at the bottom of the screen, and appears as follows :



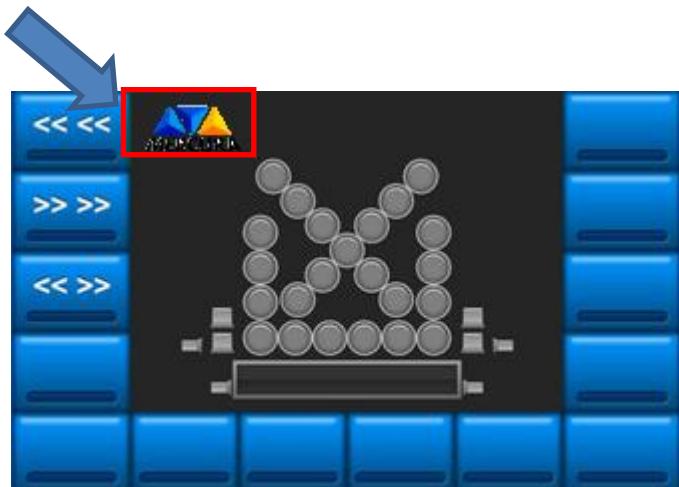
The messages are displayed in this graphical zone to enable the display's consistency.



If any faults have been detected, nothing will display and the audio warning will appear on the screen and will beep.

## 8. CONTROL MODULE : ADVANCED MENU

In this mode, the screen is tactile. Press on the logo located at the top-left of the screen



Enter the password (by default : AZER) with the tactile keypad and press VALIDATION



Advanced menu

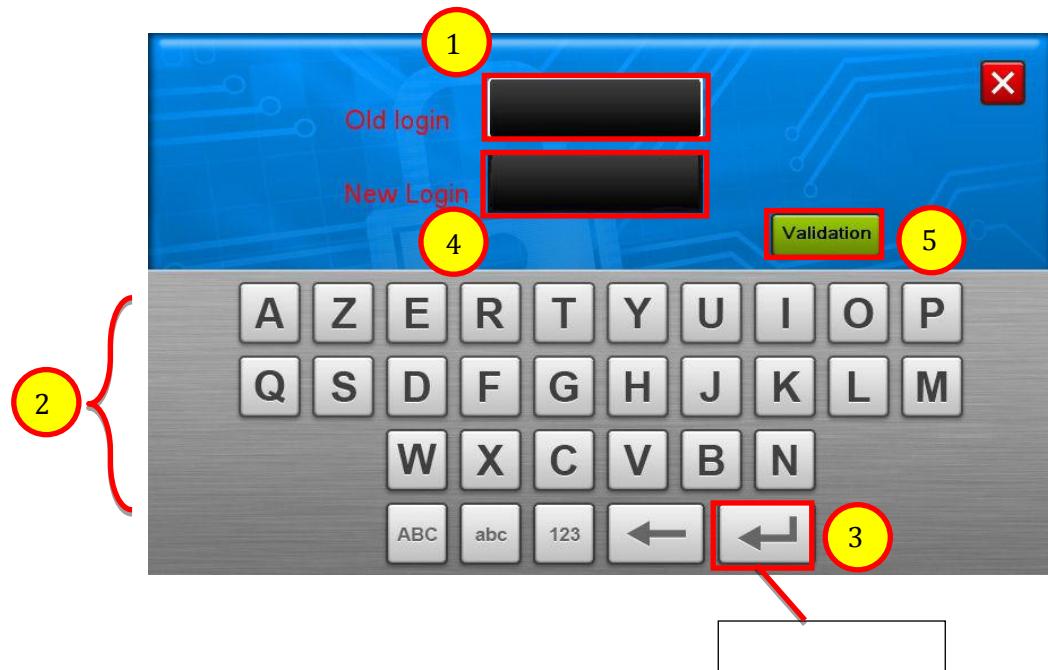


## 8.1. CHANGE THE PASSWORD

Press SYSTEM (*Système*) if you wish to change the password.



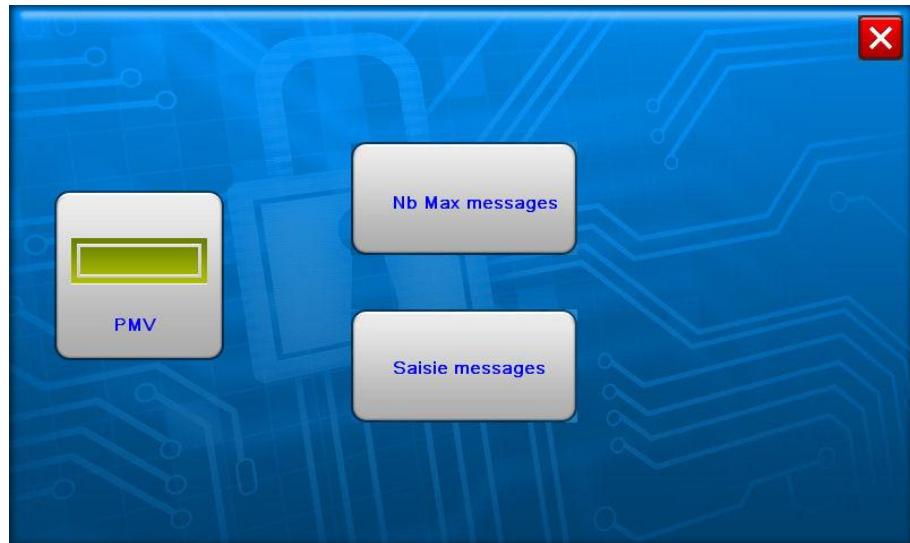
- Then Press New Login (*Nouveau Login*)
- Enter the current password on the first line (old login)
- Press the “ENTER” key to move to the next line (New Login)
- Enter the new password on the second line with the tactile keypad.
- Press on VALIDATION to return to the advanced menu.



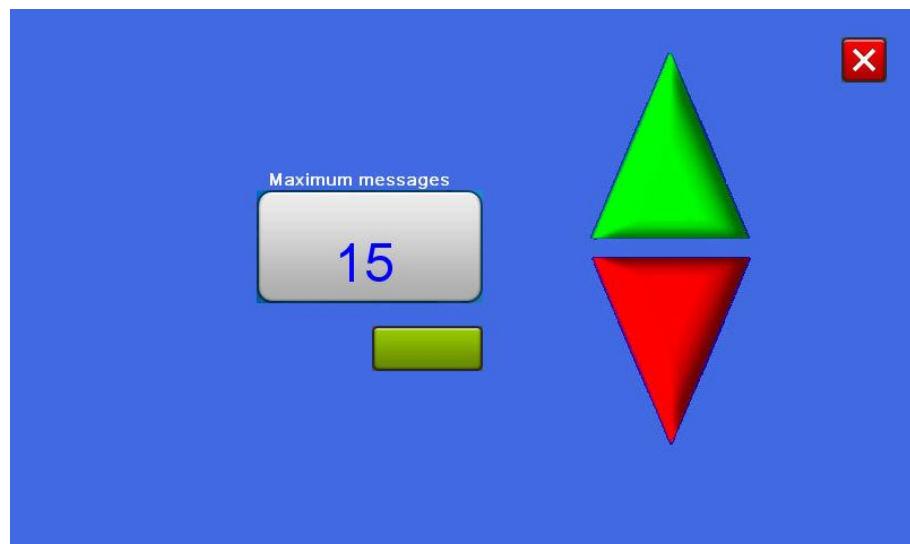
## 8.2. CHANGING MESSAGES

Press VMP

If you wish to limit the number of messages in the system, press on « NB max messages »



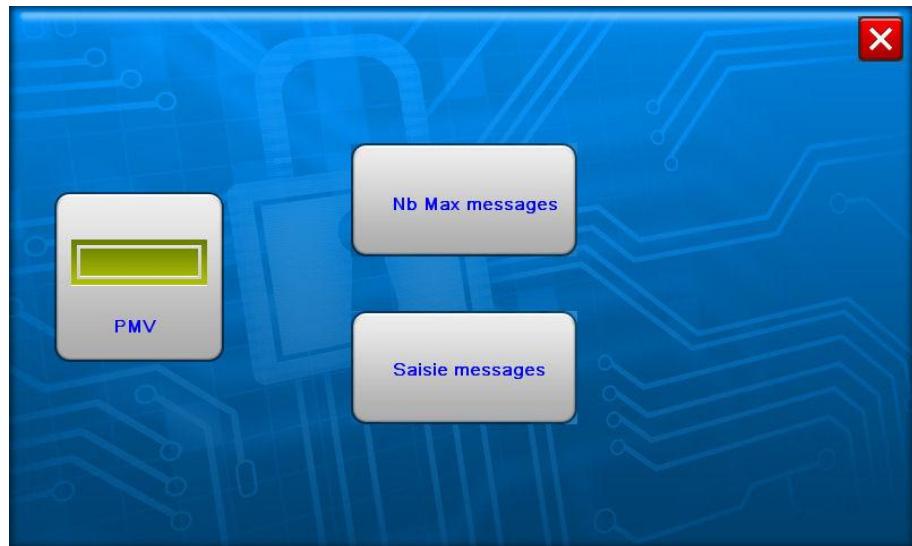
- Press the green arrow to increase the number of messages registered or on the red arrow to decrease it. The number will display in the grey window.
- Once the number is chosen, press the green button to return to the previous menu.



The number will correspond to the graphical zone quantity which will be displayed in the band :



Press « Input message » to change the messages.



- Press the TOP or BOTTOM button to select the message's location.
- Choose the graphical zone required.
- Select the display mode : FIXE (1 line) / CLIGN (1 line) / ALTER2 (2 lines) / ALTER3 (3lines)
- Enter the message with the tactile keypad (press « ENTER » to move to the next line)  

- Press VALIDATION



The display modes will appear :



Fixed display mode on one line



Flashing display mode on one line



Alternated display mode on 2 lines



Alternated display mode on 3 lines

To move to the next line, press ENTER



« Quit » : Return to the previous menu without validation of the modification



« Cancel » Completely Cancels the modification in progress



« Clear » : Completely Clears the message on the selected line



« Validate » Validates the message modification



A grey graphic zone means that no display modes or messages have been registered.

A blue empty graphic zone means that no messages have been registered but that a display mode has been selected.