P.A. Manager.
PA System management software.

USER'S MANUAL.
OPTIMAX INSTALLATIONS.

Document version 1.0 May 2009

Contents

1. Prior concepts

We consider it appropriate to define in advance certain terms that appear throughout this user's manual.

Term	Description
Zone	Minimum unit to which a message, schedule or music program is sent. Represented on the screen by a zone selection button.
Group	Set of zones. They must first be created by the user. A group can be formed by several groups. Represented on the screen by a group selection button.
Area	Set of zones and/or groups represented on the screen inside the same panel. Various areas can be created in the same installation, thereby facilitating access to the zone and/or group selection buttons.
PC pre-recorded message	Audio file stored on the hard disk of the computer. In order for the message to be available, it must be saved in the *messages* folder created during installation (*SMP250v2 / pafiles / messages*) and added to the Message List (see section 5.4.1.). The equipment supports WAV, MP3 formats...
Message scheduling	Configuration by means of which a pre-recorded message can automatically be sent to a pre-established group in accordance with a schedule.
Volume scheduling	Configuration by means of which the volumes and tone equalisations of a particular zone can automatically be modified in accordance with a schedule.
User profile	Profile associated with a user which allows or limits access to certain functions of the program. Each user must be associated with a specific profile. It is possible to create, modify or delete user profiles.
Mode	Each sound source of the P.A. Manager system must be assigned a priority level with respect to the other sound sources. These priority levels, known as Mode, must be assigned during configuration of the system. Each PC pre-recorded message must also be assigned a Mode (see section 5.4.2.)

2. Main screen

On start-up, the application window opens. It basically consists of six elements:

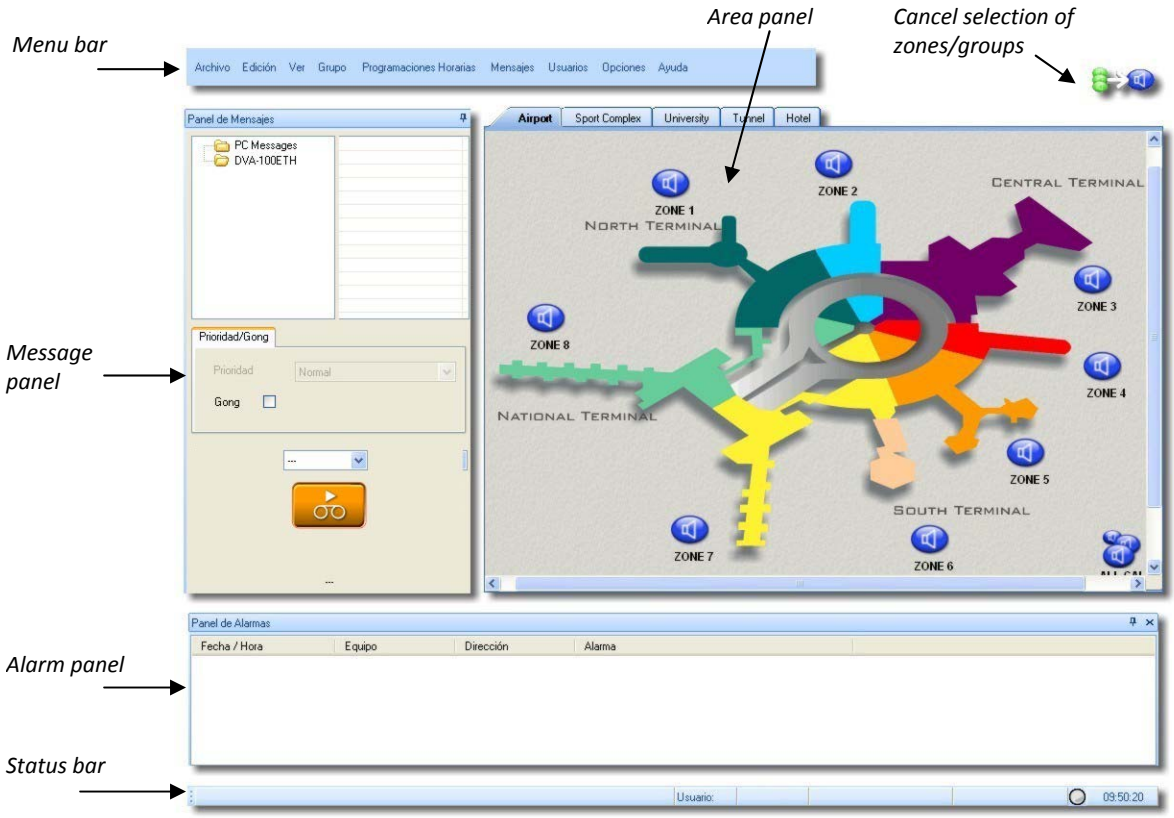


Figure 1

Component	Description
Menu bar	Contains all the drop-down menu options (see section 2.1.).
Message panel	Contains the information and the buttons corresponding to the messages: start live voice and pre-recorded message buttons, and the list of pre-recorded messages (see section 2.2.).
Alarm panel	Indicates the incidents that occur in the PA system equipment (see section 2.3.).
Area panel	On this panel one or several groups and zones can be selected to receive a message, the area can be changed, the zone volume can be modified and music programs can be assigned (see section 2.4.).
Status bar	Information bar. Displays menu information, user name, screen design mode and the time (see section 2.5.).
Cancel selection button	Cancels the selection of any zone or group in the installation that might be selected.

It is possible to modify the position of the panels to adapt the screen to the needs of the operator. To do so, it is necessary to change to ***Screen Design*** mode (see section 3.4.).

The message, alarm and information panels can either be docked or floating panels.

When a panel is docked, it is positioned on the edge of the application window. It can also be minimised to save space on the screen. When a panel is undocked, it is separated from the other components of the work area, it remains floating and it can easily be moved around any part of the screen.

To...	**Proceed as follows...**
Undock a window	Drag the top part of the window, moving it away from the edge of the application window.
Dock a window	Drag the window over any of the anchoring marks (figure 2).
Minimise a window	When you have docked a window, click on the icon in the top right-hand corner of this window ( ).

Through all these operations, the work area can be personalised, and it is easily adapted to the needs of each installation.

When the application is closed, the screen configuration is saved, so that when the program is restarted, the last screen configuration is maintained.

Figure 2

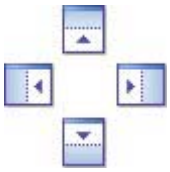
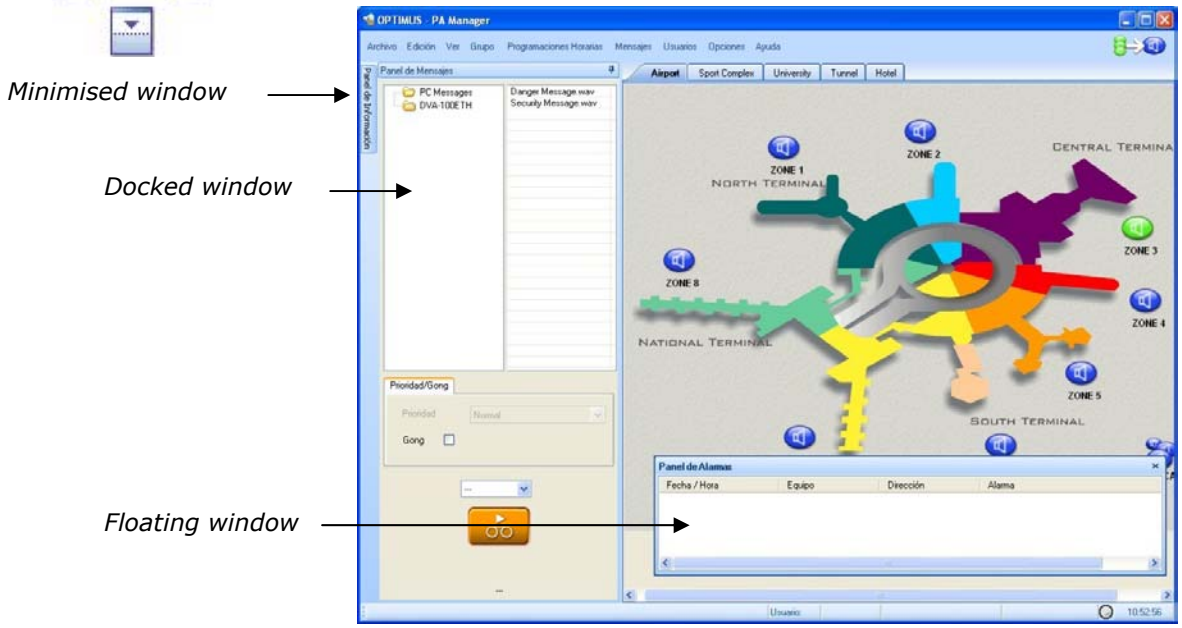


Figure 3



2.1. The menu bar

File Menu

Select...	To...
Exit	Exit the application.

Edition Menu

Select...	***To...***
Screen Design	Add, rename or delete areas. Add zones to an area or delete them. Add groups to an area or delete them. Add the background image to an area or delete it. Modify the position of the panels, changing the appearance of the screen.
New Area	Create a new area. It is necessary to enter an area name.
Delete Area	Delete an existing area.
Rename Area	Change the name of an existing area.
New Zone	Add one or several zones to an area.
Delete Zone	Delete one or several zones from an area.
New Group	Add one or several groups to an area.
Delete Group	Delete one or several groups from an area.
Add Background image	Insert a background image in an area. Files with a bmp, gif and jpg extension are supported.
Delete Background image	Delete the background image from an area.

View Menu

Select...	To...
Event Log	View the log of operations performed.
Message Log	View the log of operations performed.
Multicast	View the frames and the Heart Beats (signs of life) of the units in the installation with an Ethernet connection.
SNMP Manager	Function not available.
Information Panel	Open the information panel, where you can view and edit data about: • LCC and GCC processes of the installation. • Open Audio IP channels.
Zone Status	View the status of the zones on screen through the background colour of the zone selection buttons (see section 2.7.3. Colours indicating zone status).

Group Menu

Select...	To...
New Group	Create new groups.
Group Information	View, modify or delete previously created groups. Synchronise the new group configurations with the equipment in the installation.

Scheduling Menu

Select...	To...
New Scheduling of Messages	Create schedules of pre-recorded messages or sequences, destined for a group.
Message Scheduling Information	View, modify or delete pre-recorded message schedules destined for a group.
New Scheduling of Volumes	Create a volume schedule in one or several zones.
Volume Scheduling Information	View, modify or delete volume schedules.

Message Menu

Select...	To...
Message Sequence / New Message Sequence	Create sequences of pre-recorded messages.
Message Sequence / Message Sequence Information	View, modify or delete sequences of pre-recorded messages.
(PC) Pre-recorded Message Management	Add messages to or delete them from the list of pre-recorded messages available on the PC. Configure the controls for monitoring and recording the PC sound cards. Record messages or monitor the existing messages on the server PC.
(DVA-100ETH) Pre-recorded Message Management	Add messages to or delete them from the list of pre-recorded messages available on the DVA-100ETH. Through this option a ***Mode*** can be assigned to each DVA-100ETH message.

Users Menu

Select...	To...
Change User	Change user. It is necessary to enter the user's name and password.
New User	Create a new user. It is necessary to enter a name and password for the new user, and to associate a user profile with this user.
User Information	Modify or delete pre-existing users.
New Profile	Create a new user profile.
Profile Information	Modify or delete user profiles.

Options Menu

Select...	To...
Language	Change the user interface language.
Real Equipment	Use the system in a real environment, with the PA system equipment.
Simulated Equipment	Use the system in a simulation environment, without the need for the PA system equipment to be connected. The simulation environment offers limited functions.
Configurations	Configure the backups of the RS485 operations and communication log files, configure the PC sound cards, configure the maintenance reset.
Installations	Exit the operator environment and open the installation configuration screen.

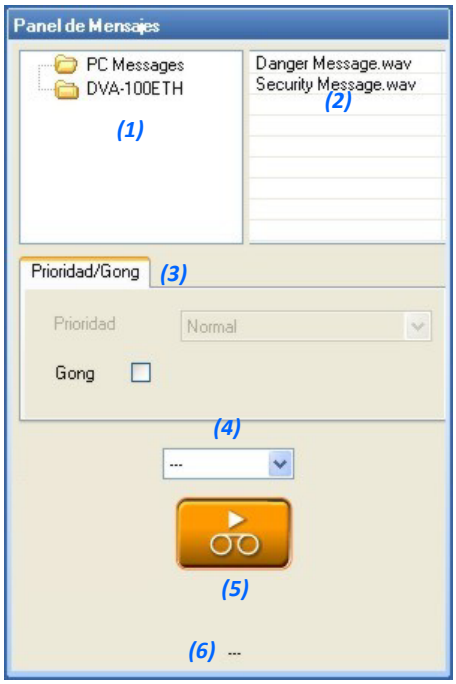
Help Menu

Select...	To...
Create Reports	Launch the generator of surveillance reports, reports that provide a graphic display of the status and behaviour of the loudspeaker lines and critical path in installations with SU-114, SU-214/0 or OPTIMAX power stages.
About...	Provides information about the version and revision number of the application.

2.2. The message panel

This is used, once the zones and / or groups have been selected on the area panel, to configure the parameters of the message and to send it.

Figure 4



(1) Folder window

Each folder represents a unit in the PA system that has the potential to contain pre-recorded messages. The folders are created automatically during configuration of the software.

To select a folder, click on it.

The folder selected shows the messages that it contains in the message window *(2)*.

(2) Message window

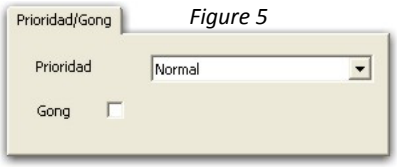
Shows a list with the pre-recorded messages available in the folder selected *(1)*, in alphabetical order.

To select a message, click on it.

The messages may be in different formats (wav, wma, mp3...).

(3) Priority/Gong tab

Figure 5



Priority: Control not available in Optimax installations. The priority of each PC pre-recorded message is predetermined by the configuration of ***Modes and Sound Sources*** and by the assignment of a ***Mode*** to each message through the ***Messages / (PC) Pre-recorded Message Management*** menu (See section 5.4.2).

Gong: This option activates or deactivates the gong for each message that is sent.

The type of gong used depends on the configuration of ***Modes and Sound Sources*** when the installation is configured.

(4) Sequence of PC Pre-recorded Messages Drop-down Menu

A sequence of PC pre-recorded messages can be selected from this menu.

The sequences of PC pre-recorded messages must be created beforehand by means of the Menu ***Messages > Message Sequence > New Message Sequence***, selecting messages from the ***PC Messages*** folder.

In order to view the sequences contained in the drop-down menu, first it is necessary to select the ***PC Messages*** folder from the folder window *(1)*.

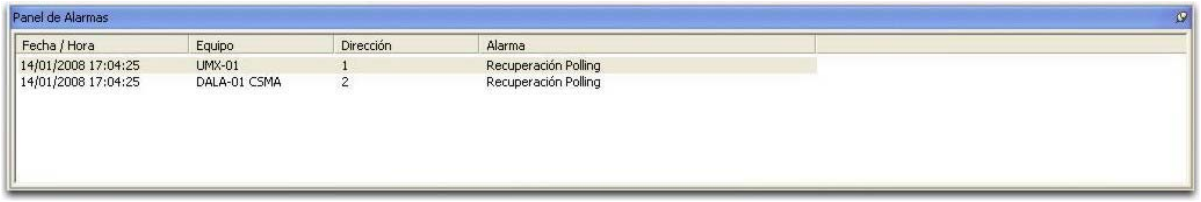
(5) Message activation button

Button which activates pre-recorded messages on the hard disk of the computer (***PC Messages*** folder).

(6) Status

Text providing information about the message status *(Preparing equipment, Gong, Playing Pre-recorded Announcement).*

2.3. The alarm panel



This panel shows the incidents and alarms that occur in the PA system. These appear in chronological order. Each incident contains information about:

1. Date and time of the incident.
2. Equipment model generating the incident.
3. RS-485 address of the equipment unit or name of the ETH unit.
4. Type of alarm.

Alarm/Incident	Description	Corrective action
IP Disconnection	Occurs when a unit loses the Ethernet connection.	Check the IP configurations of the unit in question. Check that the ETH LINK LED on the unit is lit, and if it is not, check the Ethernet connections between the unit and the switch.
IP communication recovered	Occurs when a unit recovers the Ethernet connection or at program start-up when the units with an Ethernet connection communicate with the server PC.	
Emergency Link fails	Appears if the emergency input connection fails on Optimax amplifiers with emergency input surveillance activated.	Check the emergency input connection of the Optimax power stage.
Emergency Link recovered	Appears if the emergency input connection is recovered on Optimax amplifiers with emergency input surveillance activated.	
Emergency Contact Alarm ON	Failure of the connection of the contact activating the emergency input emergency message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	Check the emergency input connection of the Optimax power stage and the device responsible for activating the message.
Emergency Contact Alarm OFF	Recovery of the connection of the contact activating the emergency input emergency message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	
Evacuation Contact Alarm ON	Appears in the event of the failure of the connection of the contact activating the emergency input evacuation message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	Check the emergency input connection of the Optimax power stage and the device responsible for activating the message.
Evacuation Contact Alarm OFF	Recovery of the connection of the contact activating the emergency input evacuation message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	
Pre-Evacuation	Appears in the event of the failure of the connection of the	Check the emergency input

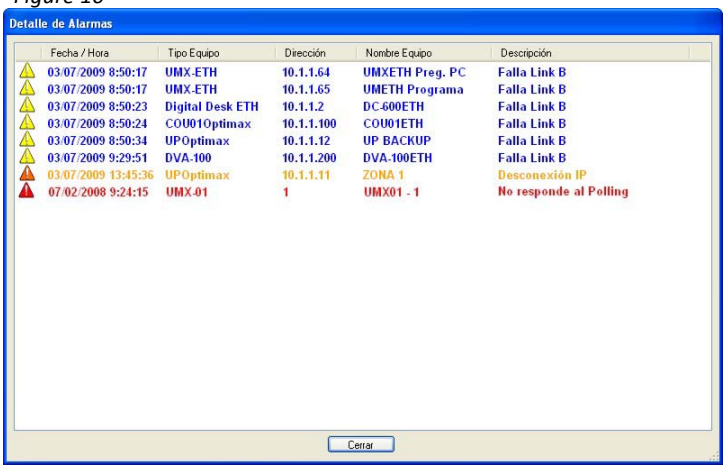
Alarm/Incident	Description	Corrective action
Contact Alarm ON	contact activating the emergency input pre-evacuation message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	connection of the Optimax power stage and the device responsible for activating the message.
Pre-Evacuation Contact Alarm OFF	Recovery of the connection of the contact activating the emergency input pre-evacuation message. Only on Optimax amplifiers with surveillance of emergency input contacts activated.	
Protection Alarm	Protection of the amplifier is activated.	Check the power stage.
Temperature Alarm	The temperature of the amplifier is higher than the temperature set by configuration.	Check the power stage.
Temperature sensors error – Difference of more than 20°	There is a difference in temperature of more than 20° between the values read by the internal temperature sensors of the amplifier.	Restart the unit. If the problem persists, check the power stage.
Temperature sensors error – Front	The internal temperature sensor at the front of the OPTIMAX amplifier does not communicate correctly.	Restart the unit. If the problem persists, check the power stage.
Temperature sensors error – Rear	The internal temperature sensor at the rear of the OPTIMAX amplifier does not communicate correctly.	Restart the unit. If the problem persists, check the power stage.
MP3 File Checksum Alarm ON (name_file)	Possible corruption of the data corresponding to the MP3 file in the OPTIMAX power stage memory.	Record the file in the MP3 memory of the power stage once again.
MP3 File Checksum Alarm OFF	Recovery from the checksum error of the MP3 file in the OPTIMAX power stage memory.	
ANM Sensor "n" FAIL	Failure of RS485 communication between the OPTIMAX power stage and the NS-485 noise sensor.	Check that the RS485 address of the probe coincides with the address specified by the alarm received by the PC. Check the connections between amplifier and noise sensor.
Recovery of Polling Sensor address "n"	Recovery of RS485 communication between the OPTIMAX power stage and the NS-485 noise sensor.	
Principal Power Supply Alarm	Failure of the 230 VAC power supply in OPTIMAX power stages with dual power supply (230 VAC and 24 VDC battery).	Check the connection of the power stage to the 230 VAC mains supply.
Auxiliary Power Supply Alarm	Failure of the 24 VDC power supply in OPTIMAX power stages with dual power supply (230 VAC and 24 VDC battery).	Check the 24 VDC connection of the power stage.
High Impedance Error	Appears if a high impedance error occurs in Optimax amplifiers whose line surveillance is activated.	Check the connections and the impedance of the loudspeaker line. There may be a short circuit in the line.
Low Impedance Error	Appears if a low impedance error occurs in Optimax amplifiers whose line surveillance is activated.	Check the connections and the impedance of the loudspeaker line. Possible open line status.

Alarm/Incident	Description	Corrective action
Line Status Recovery	Recovery from a high or low impedance error in an Optimax amplifier whose line surveillance is activated.	
Link A fails	Unit without Ethernet connection in port A	Check the Ethernet A connection on the unit.
Link B fails	Unit without Ethernet connection in port B	Check the Ethernet B connection on the unit.
Recovery of Link A/B	Recovery of the connection between the Ethernet A or B input of the unit and the switch or hub.	
DSP Fail	Error in the DSP of the unit	Restart the unit. If the problem persists, check the power stage.
SPI "n" Fail	Internal hardware error in the unit	Restart the unit. If the problem persists, check the power stage.
High Impedance Capsule Error	Detection of short circuit in the capsule of a DC-600ETH desk.	Check desk.
Low Impedance Capsule Error	Detection of open line in the capsule of a DC-600ETH desk.	Check desk.
Capsule Status Recovery	Recovery of open line or short circuit in the capsule of a DC-600ETH desk.	
Lines / Amplifiers: *(Alarm generated by a **DALA01/0, SU-114** or **SU-214/0**).*	A text stream appears formed by 13 elements (if the alarm is generated by a DALA-01) or 14 elements (if the alarm is generated by an SU-114 or SU-214/0). Each element represents the status of an amplifier / line. In this way, the elements of the stream, read from left to right, indicate the result of the surveillance performed by the unit in its surveillance channels. Values: • OK: Loudspeaker line/amplifier line in good condition. • LZ: Line low impedance error. • HZ: Line high impedance error. • AM: Amplifier error. • --: The card is not inserted in the unit or it is not configured.	LZ: Check the connections and the impedance of the loudspeaker line. There may be a short circuit in the line. HZ: Check the connections and the impedance of the loudspeaker line. Possible open line status. AM: Check that the amplifier is working correctly and delivering 24 VDC to the surveillance system.
No response to Polling	Error in the RS485 communication of a unit.	Check that the RS485 address of the unit (RS485 ADDRESS DIP switch) coincides with the address specified by the alarm received by the PC. Check the RS485 connections on the unit.
Polling recovery	Appears on program start-up if the RS485 communication of the unit is correct, or when the RS485 communication of a unit is recovered.	

Figure 9

When the system generates an alarm of any kind, the image shown in figure 9 appears to the right of the panel.

Figure 10



By double clicking on this image, a window opens providing information about the current alarms generated by the system.

The colour of the text indicates the type of alarm:

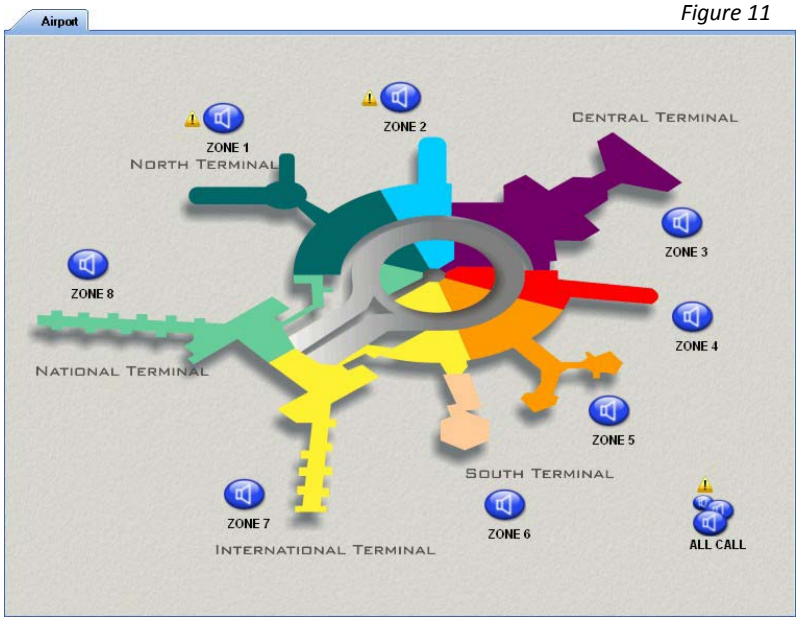
- Alarms with red text: The unit does not respond to RS485 communication.
- Alarms with orange text: The unit does not respond to communication through the Ethernet network.
- Alarms with blue text: Remaining alarms. Communication is functioning, but the unit detects or generates a problem in the installation.

2.4. The area panel

The user must create areas in which to position the zone and group selection buttons.

Each area can have a different background image.

Figure 11



To create, modify or delete an area or the elements that form an area, the Screen Design option must be activated (See section *3.4. Screen Design Operations*).

Once the areas have been configured, use this panel to:

- Select the zones or groups where you wish to send a message.
- Modify the volume for each zone or group.
- Modify the music program of each zone.

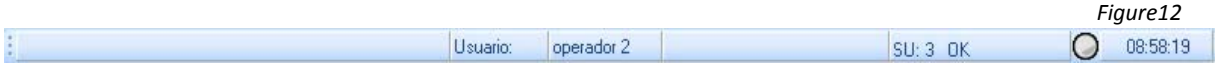
To change area, click on the tab with the name of the area that you wish to display.

2.5. The status bar

Information bar, situated in the lower part of the application.

Displays menu information, current user name, unit that is being polled, PC RS485 communication indicator and system time.

Figure12



2.6. Information Panel

To view this panel, open the ***View*** menu and select ***Information Panel***.

The panel has three tabs: ***Local Congestion Control***, ***Global Congestion Control*** and ***DVA Status***.

Local Congestion Control and Global Congestion Control

Every Optimax installation requires two processes with the capacity to manage the priorities between audio channels of the different equipment units with an Ethernet connection. These two processes are known as Congestion Control.

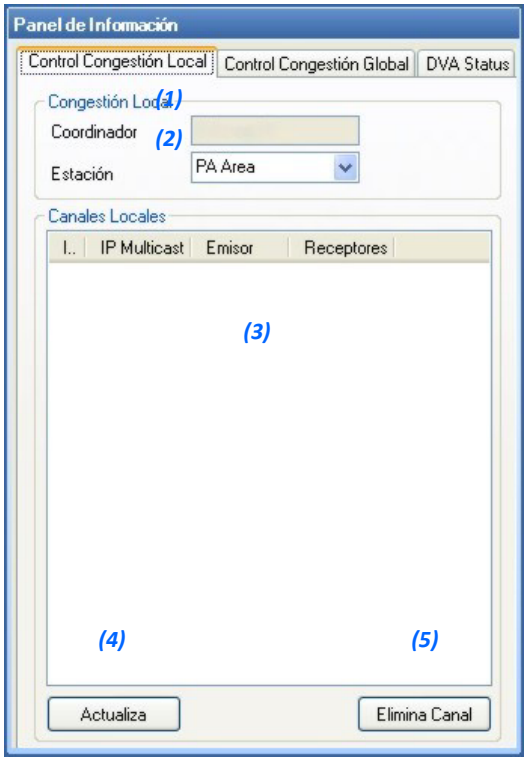
- **Local Congestion Control (LCC):** Manages the priorities between audio channels when the sender and the receiver belong to the same PA Area.
- **Global Congestion Control (GCC):** Manages the priorities between audio channels when the sender and the receiver belong to different PA Areas.

When the installation is configured, it is decided which Optimax units have this active process, taking account of the following:

- Each PA Area requires, as a minimum, one active Local Congestion Control. A minimum of two LCCs per PA Area is advisable, in case one of the units stops working.
- In installations with more than one PA Area, at least one Global Congestion Control is necessary. In this case, a minimum of two GCCs are recommended.

• Local Congestion Control

This tab shows the data that refer to LCC.



(1) Co-ordinator. Indicates the unit of the PA Area that acts as local co-ordinator, that is to say, the unit whose LCC process co-ordinates the audio channels at PA Area level.

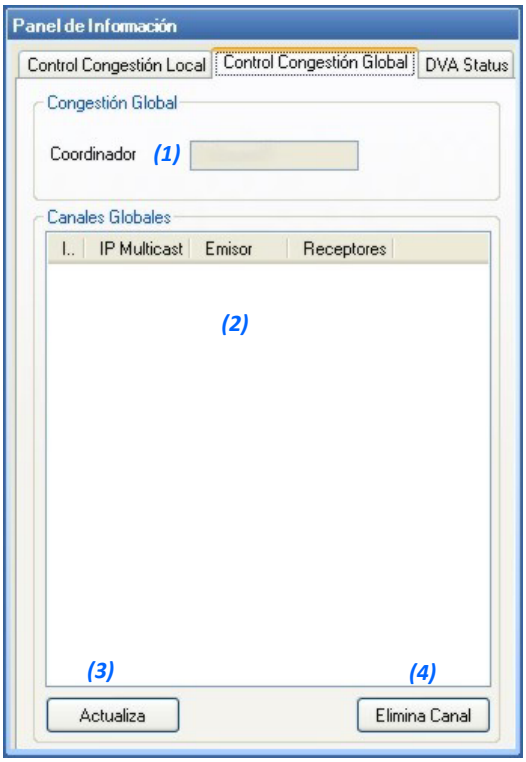
(2) Station. In installations with more than one PA Area, this control can be used to change PA Area to view the information about the LCC processes of each PA Area.

(3) Local Channels. This list shows the active local audio channels, ordering them according to the priority of the channel (the priorities are defined in the configuration of ***Modes and Sound Sources*** when the installation is created).

(4) Update Button. Refreshes the active channel information.

(5) Delete Channel Button. This is used to delete channels from the list of local channels.

- **Global Congestion Control**



This tab shows the data that refer to GCC.

(1) Co-ordinator. Indicates the unit in the installation that acts as global co-ordinator, that is to say, the unit whose GCC process establishes the priorities of audio channels in different PA Areas.

(2) Global Channels. This list shows the active global audio channels, ordering them according to the priority of the channel (the priorities are defined in the configuration of ***Modes and Sound Sources*** when the installation is created).

(3) Update Button. Refreshes the active channel information.

(4) Delete Channel Button. This is used to delete channels from the list of global channels.

- **DVA Status**

Shows the audio channels of the DVA-100ETH pre-recorded messages, ordering these channels according to the priority of the message.

2.7. Meaning of the icons and colours of the application buttons

2.7.1. Meaning of the buttons and icons on the Message Panel.

	Pre-recorded message activation button. Press to activate the message.
	Indicates that the units are preparing to broadcast the message.
	Pre-recorded message button activated. Press to stop the message (in synchronous mode).
	Appears, when a message is sent, if there is no problem related with the set of zones selected.
	Indicates that the operation performed has generated some kind of incident.
	Appears, when a message is sent, if there is a problem with any of the zones selected. The message will not reach all the zones selected.

2.7.2. Meaning of the buttons and icons on the Area Panel.

ZONE buttons and icons

	Selection button representing a ZONE that has not been selected.
	ZONE selection button. Indicates zone selected.
	Loss of IP communication with the zone.
	Indicates an RS485 communication error with the unit that controls the zone (UMX-01/0).
	Accompanying a zone button, this indicates an RS485 communication error with the unit that controls the surveillance of the zone (DALA or SU).
	Zone disconnected by the installer.
	Yellow zone alarm indicator. Indicates a loudspeaker line error in the zone.

GROUP buttons and icons

	Selection button representing a GROUP that has not been selected.
	GROUP selection button. Indicates group selected.
	Alarm exclusive to Groups. Indicates that there is no IP connection with the server PC that controls one of the zones that form the group.
	Accompanying a group selection button, this indicates an RS485 communication error with the unit that controls one of the zones that form the group (DALA-01, SU, UMX-01/0).
	Alarm exclusive to Groups. Indicates that one of the zones that form the group is disconnected.
	Accompanying a group selection button, this indicates that there is a loudspeaker line error in one of the zones that form the group.

2.7.3. Colours indicating zone status.

The status of the zones corresponding to OPTIMAX power stages can be viewed on screen, since it is shown by the background colour of the zone selection buttons.

For this purpose, the ***Zone Status*** option on the ***View*** menu must be activated.

	Zone playing a locally activated emergency message.
	Zone playing a locally activated priority message.
	Zone playing a program locally.
	Zone playing a music program that arrives via ETHERNET.
	Zone playing a priority announcement that reaches it via ETHERNET.
	Zone playing a pre-recorded message stored in the FLASH memory of the amplifier.
	Zone playing a pre-recorded message stored in the MP3 memory of the amplifier.

2.7.4. Other Buttons

	Cancels the selection of all zones and groups. Indicates groups or zones selected.
	Indicates that no group or zone has been selected.

3. Initial operations

3.1. Initialisation of the Software

Double click on the ***PA Manager*** icon on the desktop.

3.2. Change of language

Open the ***Options*** menu and select ***Language***. Next, select the language required.

3.3. User management

The system has been designed so that different users may work in it.

Each user has a name and an access code. Furthermore, a user profile must be associated with each user. This profile determines the degree of access of each user to the various options of the software or functions.

By default the program has two users: ***default,*** associated with the Default profile, and ***factory,*** associated with an Administrator profile.

User	Password	Profile
default	default	Default
factory	factory	Administrator

The user name and password are case-sensitive

New profiles can be created, modified or deleted. For more information, see sections 3.3.5, 3.3.6 and 3.3.7.

Figure 17: Functions of the Administrator User profile

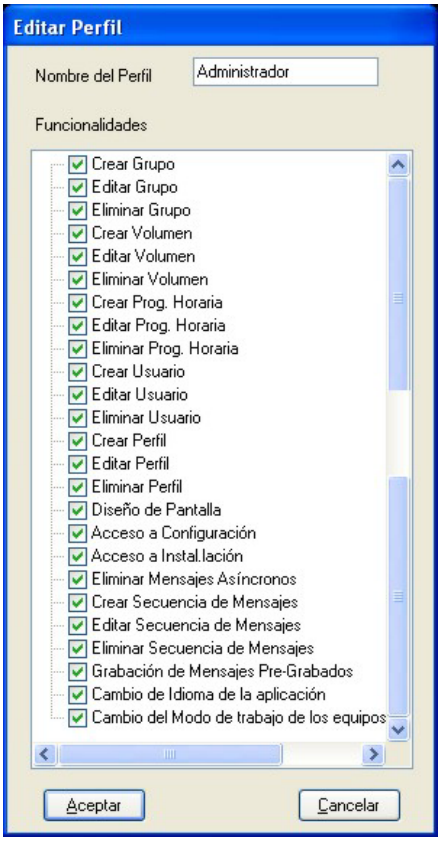
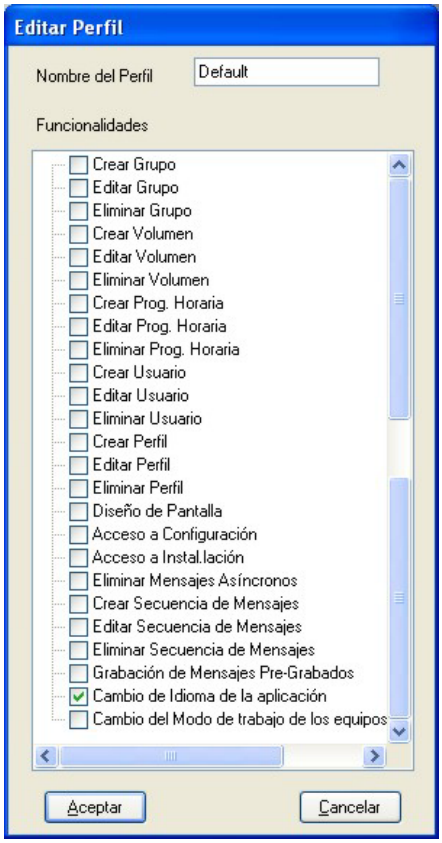


Figure 18: Functions of the Default User profile



3.3.1. Change user

1. Select ***Users*** on the menu bar and then ***Change User***.
2. Enter the name of the new user in the ***User*** field.
3. Enter the password of the new user in the ***Password*** field.
4. Click on ***Accept.***

The user name will appear on the status bar.

> ***N.B.:***
> If you tick the ***Initial User*** checkbox, every time the application is started, the program will be launched with this user.

3.3.2. Create a new user

Requires a user profile with the Create User function enabled

1. Select ***Users*** on the menu bar and then ***New User***.
2. Enter the name of the new user in the ***User Name*** field.
3. Enter a Password in the ***Password*** field.
4. Repeat the code in the ***Repeat Code*** field.
5. Select a ***User profile***.
6. Click on the button ***Accept.***
7. Select the button ***Yes*** to add other new users or the button ***No*** to close the creation of users.

3.3.3. Modify or edit the name and the password of a user

Requires a user profile with the Modify User function enabled

1. Select ***Users*** on the menu bar and then ***User Information***.
2. Select a name from the list of users.
3. Click on the button ***Edit.***
4. Modify the name, the password (this will have to be repeated) or the user profile.
5. Click on the button ***Accept.***

3.3.4. Delete a user

Requires a user profile with the Delete User function enabled

1. Select ***Users*** on the menu bar and then ***User Information***.
2. Select the user name that you wish to delete from the list of users.
3. Click on the button ***Delete.***
4. Click on the button ***Accept.***
5. Close the ***Profile Info*** window by clicking on ***Close***.

3.3.5. Create a new User Profile

Requires a user profile with the Create Profile function enabled

1. Select ***Users*** on the menu bar and then ***New Profile***.
2. Enter a name for the new profile in the ***Profile Name*** field.
3. Activate the functions required for the new profile.
4. Click on the button ***Accept.***
5. Select the button ***Yes*** to add other new profiles or the button ***No*** to close the creation of profiles.

3.3.6. Modify or edit a User Profile

Requires a user profile with the Edit Profile function enabled

1. Select ***Users*** on the menu bar and then ***Profile Information***.
2. Select a name from the list of profiles.
3. Click on the button ***Edit.***

4. Modify the name or the functions of the user profile.
5. Click on the button ***Accept.***
6. Close the ***Profile Info*** window by clicking on ***Close***.

3.3.7. Delete a User Profile

Requires a user profile with the Delete Profile function enabled

1. Select ***Users*** on the menu bar and then ***Profile Information***.
2. Select a name from the list of profiles.
3. Click on the button ***Delete.***
4. Click on the button ***Accept.***
5. Close the ***Profile Info*** window by clicking on ***Close***.

3.4. Screen Design operations

Requires a user profile with the Screen Design function enabled

By means of the screen design operations, the graphic elements of the screen can be configured. In this way, the user can create areas, add background images to areas, add or delete zone and group selection buttons, change the position of the zone or group buttons, or change the position of the message, information and alarm panels.

ATTENTION:
From Screen Design mode it is NOT possible to send messages or receive zone or group status alarms.

3.4.1. Change to Screen Design mode

Requires a user profile with the Screen Design function enabled

Select ***Edition*** on the menu bar and then ***Screen Design***.

Once Screen Design mode has been activated, the menu option appears marked as selected, and the words SCREEN DESIGN appear on the status bar.

3.4.2. Exit Screen Design mode

Requires a user profile with the Screen Design function enabled

Select ***Edition*** on the menu bar and then ***Screen Design***.

The words SCREEN DESIGN will disappear from the status bar.

3.4.3. Change the position of the panels

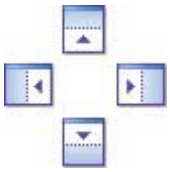
Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

In Screen Design mode it is possible to configure the message and alarm panels so that they behave like docked or floating panels (read section *2. Main Screen*).

To move the panel, click on the title bar and drag the window to the desired position.

To dock a floating panel, drag the window over any of the panel anchoring marks (figure 19).

Figure 19



If the panels are designated as floating panels, when Screen Design mode is exited, the panels will continue as floating panels, and they can be dragged and positioned in any part of the screen.

If, on the other hand, they are designated as dockable panels, when Screen Design mode is exited, the panels will continue as dockable panels, and they can be minimised.

3.4.4. Create an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Select ***Edition*** on the menu bar and then ***New Area***.
2. Enter an ***Area Name***.
3. Click on the button ***Accept.***

3.4.5. Delete an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, select the area that you wish to delete, so that this is the area visible on the screen.
2. Select ***Edition*** on the menu bar and then ***Delete Area***.
3. Click on the button ***Accept.***

3.4.6. Change the name of an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, select the area that you wish to rename, so that this is the area visible on the screen.
2. Select ***Edition*** on the menu bar and then ***Rename Area***.
3. Enter the new name.
4. Click on the button ***Accept.***

3.4.7. Add a background image to an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, display the area to which you wish to add the background image.
2. Select ***Edition*** on the menu bar and then ***Add Background image***.
3. Select the name and the location of the file, then click on the button ***Open***. Image files in bmp, jpg or gif format are supported.

3.4.8. Delete a background image from an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, display the area from which you wish to remove the background image.
2. Select ***Edition*** on the menu bar and then ***Delete Background image***.

3.4.9. Add zones to an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, display the area to which you wish to add one or several zones.
2. Select ***Edition*** on the menu bar and then ***New Zone***.
3. Select the zones that you wish to add to the area (to select several zones, press and hold down ***Ctrl***).
4. Click on the button ***Accept.***

3.4.10. Delete zones from an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, display the area containing the zone or zones that you wish to delete.
2. Select ***Edition*** on the menu bar and then ***Delete Zone***.
3. Select the zones that you wish to delete (to select several zones, press and hold down ***Ctrl***).
4. Click on the button ***Accept.***

3.4.11. Add groups to an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

In order that groups may be added to an area, they must first have been created by means of the ***Group*** menu (*See section 5.1. Operations with groups*).

1. Using the area selection tabs, display the area to which you wish to add one or several groups.
2. Select ***Edition*** on the menu bar and then ***New Group***.
3. Select the groups that you wish to add to the area (to select several groups, press and hold down ***Ctrl***).
4. Click on the button ***Accept.***

3.4.12. Delete groups from an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

1. Using the area selection tabs, display the area containing the group that you wish to delete.
2. Select ***Edition*** on the menu bar and then ***Delete Group***.
3. Select the groups that you wish to delete (to select several groups, press and hold down ***Ctrl***).
4. Click on the button ***Accept.***

3.4.13. Move elements in an area

Requires a user profile with the Screen Design function enabled and the user must be in Screen Design mode.

It is possible to move and situate the zone and group selection buttons in the desired position within an area. In this way, if a background image is used, such as the plan of the floor of a building for example, the various zone selection buttons can be situated in the position corresponding to the particular zone on the plan.

1. Using the area selection tabs, display the area containing the elements that you wish to move.
2. Move the pointer over the area panel. Note that the pointer changes shape.
3. Click on an element and while holding down the mouse button, move it across the area until the desired position is reached.
4. Release the mouse button to anchor the element.

4. Basic Operator operations

4.1. Select a zone or group

On the area panel, click on the zone or group selection button. The buttons selected turn green.

Zone selection…

Group selection…

To cancel the selection, click on the button selected.

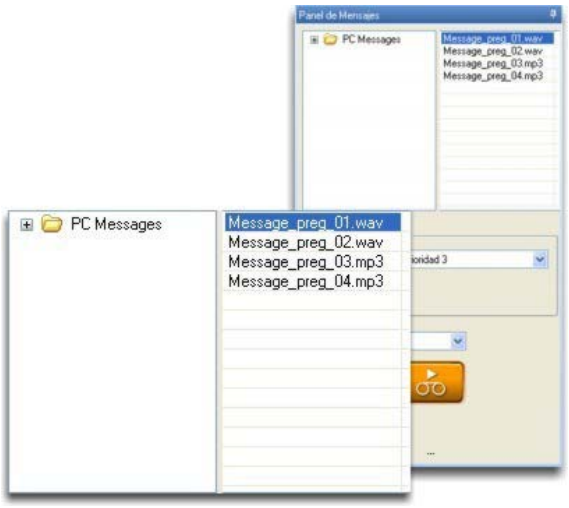
4.2. Change area

To change area, click on the tab with the name of the area that you wish to display.

Figure 20

4.3. Send a PC pre-recorded message

1. On the area panel, select the zones and/or groups to which you wish to send the pre-recorded message by clicking on the zone or group selection buttons. The buttons selected turn green.
2. On the message panel, select the file that you require from the ***PC Messages*** folder.



3. If required, activate the gong.
4. Press the pre-recorded message button. The equipment takes a few moments to prepare itself.

5. While the message is played, ***STOP*** appears. If you wish to stop the message before it ends, press the ***STOP*** button.

6. Once the message has been sent, the button returns to standby status.

4.4. Send a sequence of PC pre-recorded messages

1. On the area panel, select the zones and/or groups to which you wish to send the sequence of PC pre-recorded messages.
2. If required, activate the gong.
3. On the message panel, select a sequence from the list of sequences of PC pre-recorded messages (figure 21).

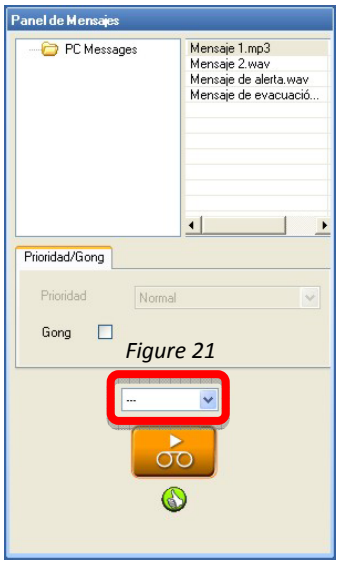


Figure 21

4. Press the pre-recorded message activation button. The equipment takes a few moments to prepare itself.

Preparing equipment...

5. While the message is played, ***STOP*** appears. If you wish to stop the message being played, press the STOP button.

6. Once the sequence has been sent, the button returns to standby status.

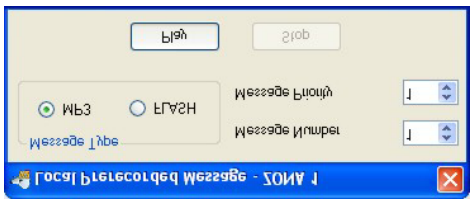
4.5. Quick cancellation of the selection of groups and/or zones

When you click on any of the buttons selected (which are green), they return to standby status (blue). To speed up the process by deselecting all the zones and groups at once, there are two possibilities:

1. Right click with the mouse on the background of the area or on the background image of the area and select the option ***Deselect all zones***.
2. Click on the button that cancels selection of zones/groups. This button can be found in the top right-hand corner of the application.

4.6. Activate a local pre-recorded message in a zone (digital amplifier) from the PC

1. Right click with the mouse on the zone and select ***Play Local Message***.
2. Configure the parameters of the message:



Message Type: The digital amplifier has two internal memories in which files can be stored for subsequent use as local pre-recorded messages: the MP3 circuit Flash Memory and the Coldfire Flash Memory.

The ***Message Number*** and the ***Message Priority*** must also be configured.

3. Click on the button ***PLAY*** to play the message. To stop the message, click on the button ***STOP***.

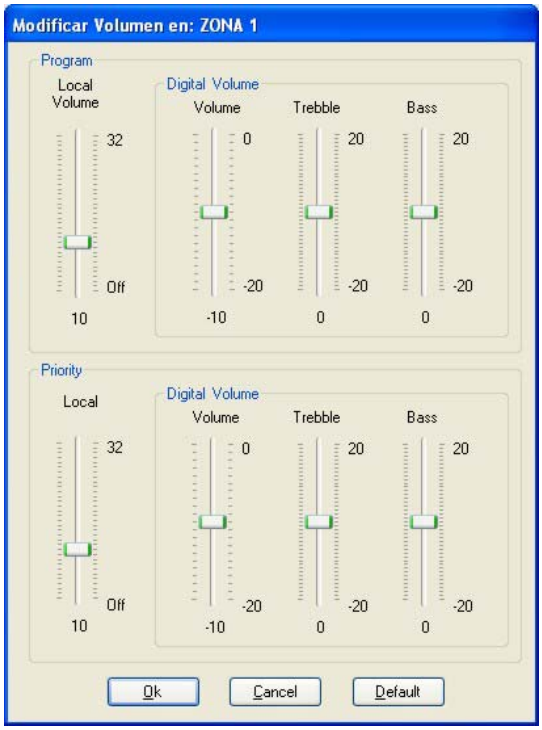
4.7. Modify the volume of a zone

Requires a user profile with the Edit Volume function enabled

1. Right click with the mouse on the zone selection button to select the particular zone.

2. Select the option ***Adjust Volume***.

3. Move the volume controls to the desired position.



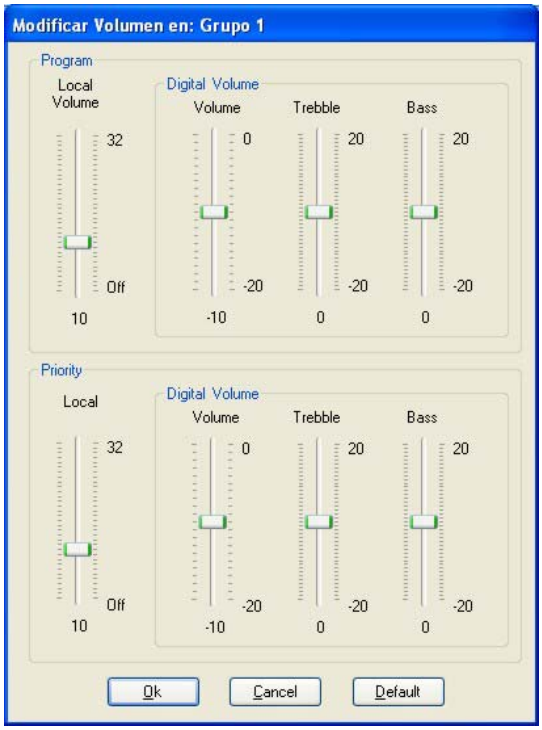
4. Click on ***OK***.

4.8. Modify the volume of a group

Requires a user profile with the Edit Volume function enabled

> ***Attention: When the volume of a group is modified, the volume of all the zones that form the group is modified.***

1. Right click with the mouse on the group selection button to select the particular group.
2. Select the option ***Adjust Volume***.
3. Move the volume controls to the desired position.

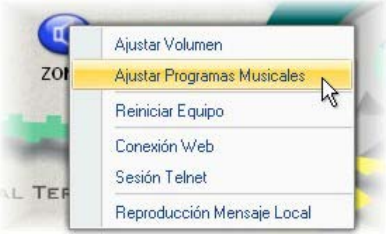


4. Click on ***OK***.

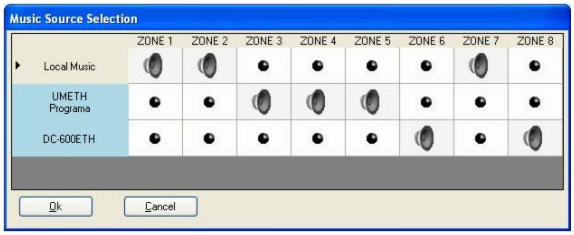
4.9. Change the music program of a zone

Requires a user profile with the Edit Volume function enabled

1. Right click with the mouse on the zone selection button to select the particular zone.
2. Select the option ***Adjust Music Programs***.



3. A table appears in which each of the rows represents a music program and each of the columns represents a zone. The number of rows and columns depends on the number of zones and music sources in each installation.



Click on the program/zone intersections to assign the music program to this particular zone.

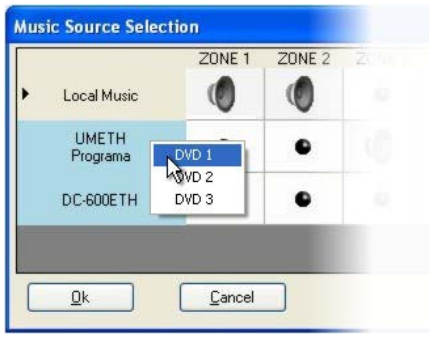
 *= music program assigned*

 *= without music program*

4. Click on ***OK***.

When the source of the music program that it is wished to assign to one or several zones is an UMX-ETH card, it is necessary to assign an analog source to this digital source.

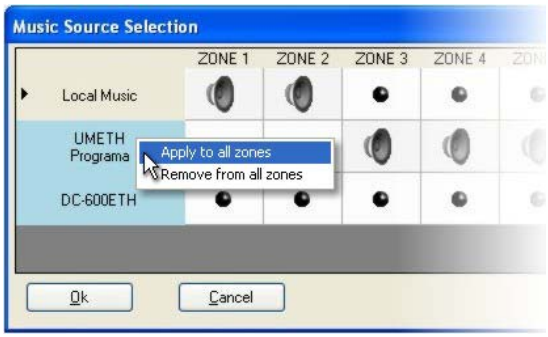
To do so, in the music program assignment table, click on the name of the digital source and select the analog source.



This music program can then be assigned to the zones required.

To quickly assign the same music program to all the zones in a PA Area, right click with the mouse on the name of the music program required and select ***Apply to all zones***.

To remove a particular music program from all the zones in a PA Area, right click with the mouse on the name of this music program and select ***Remove from all zones***.



5. Advanced Operations

5.1. Operations with groups

A group is a set of zones represented on the screen by a selection button.

Each group can be formed by zones and groups.

The groups must first be created by the user. This section shows how groups can be created, modified and deleted.

5.1.1. Create a group

Requires a user profile with the Create Group function enabled

1. Select ***Group*** on the menu bar and then ***New Group***.
2. From the lists ***Zones Available*** and ***Groups Available,*** select the elements that are to form the group (for multiple selection hold the ***Ctrl*** key down) and click on the button ***Add***.
3. Enter the name that will identify the group. This name will appear together with the group selection button.
4. Enter a ***Number***.
   Each group requires a Number. The equipment identifies the group by means of this number.
   This number cannot be the same for more than one group. If a number is chosen that is already being used by another group, a warning message appears. By default, the program fills the number field automatically.
5. Click on the button ***Accept.***
6. Select ***Yes*** if you wish to add more groups or ***No*** to save the group and exit.
7. Follow the instructions in the next section *5.1.2. Synchronise Groups.*

5.1.2. Synchronise groups

Requires a user profile with the Edit Group function enabled

When groups are created, edited or deleted, it is necessary to update the configuration of the equipment in the installation.

1. Select ***Group*** on the menu bar and then ***Group Information***.
2. Click on the button ***Synchronise.***
3. Click on the button ***Accept.***
4. Click on the button ***Close.***

5.1.3. Modify or edit a group

Requires a user profile with the Edit Group function enabled

1. Select ***Group*** on the menu bar and then ***Group Information***.
2. Select the group that you wish to modify from the ***Group Info*** list.
3. Click on the button ***Edit.***
4. Modify the parameters as required: Add zones or groups, modify the Name or the Number of the group.
5. Click on the button ***Accept.***
6. Click on ***Accept*** once again.
7. Click on the button ***Close.***

Remember that you must proceed to Synchronise Groups (section *5.1.2.*).

5.1.4. Delete a group

Requires a user profile with the Delete Group function enabled

1. Select ***Group*** on the menu bar and then ***Group Information***.
2. Select the group that you wish to modify from the ***Group Info*** list.
3. Click on the button ***Delete.***
4. Click on the button ***Accept.***
5. Click on the button ***Close.***

Remember that you must proceed to Synchronise Groups (section *5.1.2.*).

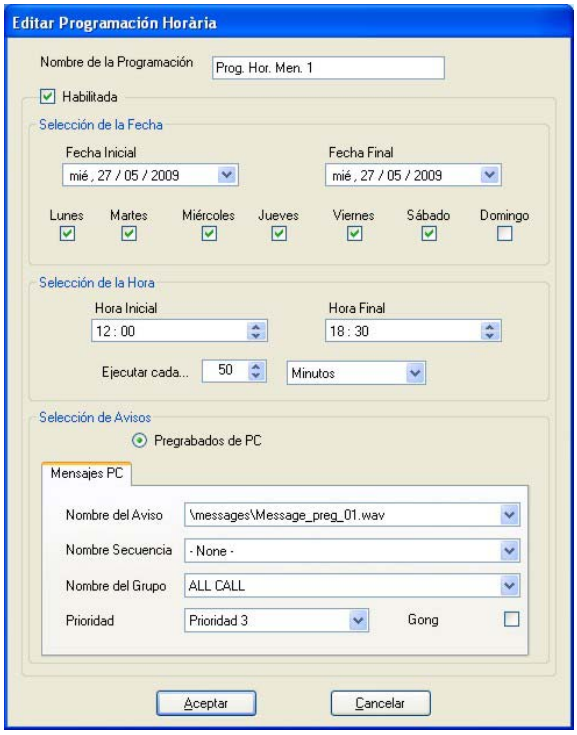
5.2. Scheduling operations

There are 2 types of scheduling:

- **Message scheduling**

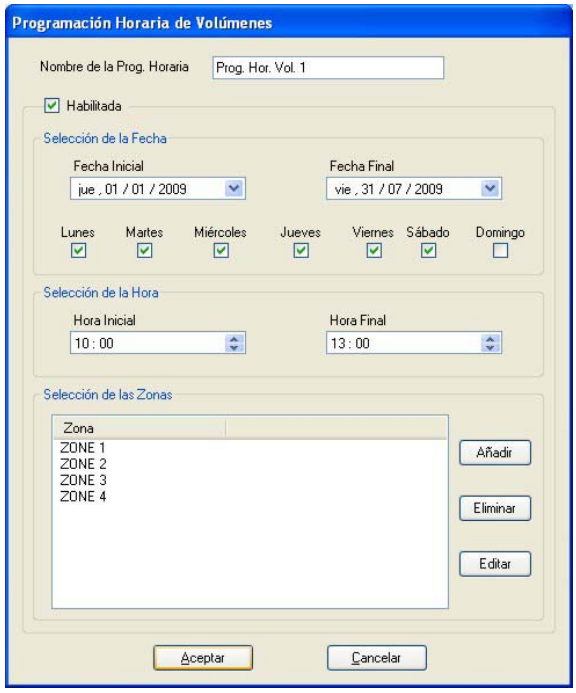
Through this option, a PC pre-recorded message or a sequence of PC messages can automatically be sent to a group in accordance with a schedule.

If groups of just one zone are created, it is possible to send message scheduling instructions to that particular zone.



- **Volume scheduling**

Through this option, the volumes and tone equalisations of one or several zones can be automatically modified in accordance with a schedule.



5.2.1. Create a message schedule

Requires a user profile with the Create Schedule function enabled

1. Select ***Scheduling*** on the menu bar and then ***New Scheduling of Messages***.
2. Enter a schedule name and then configure the parameters of the schedule (***Selection of Date***, ***Selection of Time*** and ***Selection of Announcements***).
3. Click on the button ***Accept.***
4. Select ***Yes*** to add more groups or ***No*** to save the schedule and exit.

5.2.2. Modify a message schedule

Requires a user profile with the Edit Schedule function enabled

1. Select ***Scheduling*** on the menu bar and then ***Message Scheduling Information***.
2. Select the name of the schedule that you wish to modify from the ***Message Scheduling Info*** list.
3. Click on the button ***Edit.***
4. Modify the parameters as required.
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.2.3. Enable / Disable a message schedule

Requires a user profile with the Edit Schedule function enabled.

The scheduling of messages can be activated or deactivated as the user requires. To do this:

1. Select ***Scheduling*** on the menu bar and then ***Message Scheduling Information***.
2. A list with the schedules available appears. Active schedules appear in green, while schedules that have been disabled appear in red. Select the name of the schedule that you wish to enable or disable from the ***Message Scheduling Info*** list.
3. Click on the button ***Edit.***
4. Use the control ***Enabled*** to activate or deactivate the schedule.
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.2.4. Delete a message schedule

Requires a user profile with the Delete Schedule function enabled.

1. Select ***Scheduling*** on the menu bar and then ***Message Scheduling Information***.
2. Select the name of the schedule that you wish to modify from the ***Message Scheduling Info*** list.
3. Click on the button ***Delete.***
4. Click on the button ***Accept.***
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.2.5. Create a volume schedule

Requires a user profile with the Create Schedule function enabled.

1. Select ***Scheduling*** on the menu bar and then ***New Scheduling of Volumes***.
2. Enter a schedule ***Name*** and then configure the ***Selection of the Date*** and ***Selection of the Time*** parameters.
3. Click on the button ***Add***.
4. Select the zone for which the volume schedule is required.
5. Configure the volume, bass and treble of the program and priority channels by moving the sliding control to the required position.
6. Click on the button ***Accept.***
7. Repeat steps 3, 4 and 5 for each zone that you wish to add to the schedule.
8. Select ***OK***.
9. Select ***Yes*** to create another volume schedule or ***No*** to save the schedule and exit.

5.2.6. Modify a volume schedule

Requires a user profile with the Edit Schedule function enabled.

1. Select ***Scheduling*** on the menu bar and then ***Volume Scheduling Information***.
2. Select the name of the schedule that you wish to modify from the ***Volume Scheduling Info*** list.
3. Click on the button ***Edit.***
4. Modify the parameters as required (Name, Date and Time).
   Using the ***Add***, ***Delete*** and ***Edit*** buttons, you can modify the volume scheduled for each zone.
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.2.7. Enable / Disable a volume schedule

Requires a user profile with the Edit Schedule function enabled.

Schedules can be activated or deactivated as the user requires. To do this:

1. Select ***Scheduling*** on the menu bar and then ***Volume Scheduling Information***.
2. A list with the schedules available appears. Active schedules appear in green, while schedules that have been disabled appear in red. Select the name of the schedule that you wish to enable or disable from the ***Volume Scheduling Info*** list.
3. Click on the button ***Edit.***
4. Use the control ***Enabled*** to activate or deactivate the schedule.
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.2.8. Delete a volume schedule

Requires a user profile with the Delete Schedule function enabled.

1. Select ***Scheduling*** on the menu bar and then ***Volume Scheduling Information***.
2. Select the name of the schedule that you wish to modify from the ***Volume Scheduling Info*** list.
3. Click on the button ***Delete.***
4. Click on the button ***Accept.***
5. Click on the button ***Accept.***
6. Click on the button ***Close.***

5.3. Message sequences

5.3.1. Create a sequence of PC pre-recorded messages

Requires a user profile with the Create Message Sequence function enabled

1. Open the ***Messages*** menu, select ***Message Sequence*** and then ***New Message Sequence***.
2. Enter a name for the Message sequence in the ***Name*** window.
3. From the ***PC Messages*** folder, select the first message that is to form part of the sequence.
4. Click on the button ***Add.***
5. Repeat steps 3 and 4 until the sequence is created.
6. Click on the button ***Accept.***

Select ***Yes*** to create another message sequence or ***No*** to save the sequence and exit.

5.3.2. Edit a message sequence

Requires a user profile with the Create Message Sequence function enabled

1. Open the ***Messages*** menu, select ***Message Sequence*** and then ***Message Sequence Information***.
2. Select the sequence that you wish to modify from the ***Message Sequence Info*** list.
3. Click on the button ***Edit.***
4. You can modify the messages that make up the sequence by means of the ***Add*** – ***Remove*** buttons, change the order of the messages (***Up*** – ***Down*** buttons) or change the name of the sequence.
5. When you have finished, click on ***OK***.
6. Select ***OK*** once again.
7. Click on the button ***Close.***

5.3.3. Delete a message sequence

Requires a user profile with the Create Message Sequence function enabled

1. Open the ***Messages*** menu, select ***Message Sequence*** and then ***Message Sequence Information***.
2. Select the sequence that you wish to delete from the ***Message Sequence Info*** list.
3. Click on the button ***Delete.***
4. Confirm deletion by clicking on ***OK.***
5. Click on the button ***Close.***

5.4. Pre-recorded message file management

Requires a user profile with the Pre-recorded Message Management function enabled

5.4.1. Copy files to the PC to be used as pre-recorded messages

1. Open the ***Messages*** menu and select ***(PC) Pre-recorded Message Management***.
2. On the tab ***Message List (1)***, click on the button ***Add New Files (2)***.
3. Select the files that you wish to add and click on the button ***Open***. The files are added to the Message List.
4. Click on the button ***Close (3)*** to close the window.

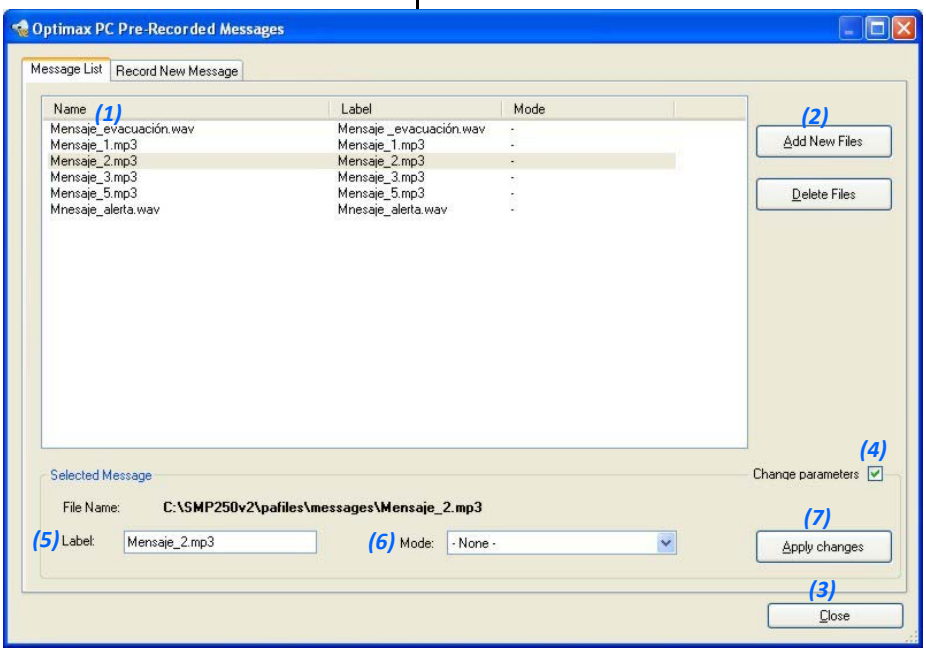
The messages added to the Message List are copied into the ***messages*** folder of the PC. The default location of this folder is: ***C:\SMP250v2\pafiles\messages***. This folder is created automatically during the software installation process.

If necessary, subfolders can be created from the ***messages*** folder to improve the organisation of the messages. The messages in these subfolders will have to be added to the Message List.

Valid file formats for the PC pre-recorded messages are ***.wav***, ***.mp3***, ***.wma***…

5.4.2. Change the parameters of a PC pre-recorded message

1. Open the ***Messages*** menu and select ***(PC) Pre-recorded Message Management***.
2. From the Message List, select the file corresponding to the message whose parameters you wish to change.
3. Enable the control ***Change parameters (4)***.
4. If you so wish, modify the field ***Label (5).*** This is the text that is displayed on the list of messages available on the message panel.
5. Assign a ***Mode (6)*** to the message. This Mode is the priority of the message with respect to the other audio signals in the system.
6. Click on the button ***Apply Changes (7)***.
7. Click on the button ***Close (3)*** to close the window.



5.4.3. Monitoring of pre-recorded messages

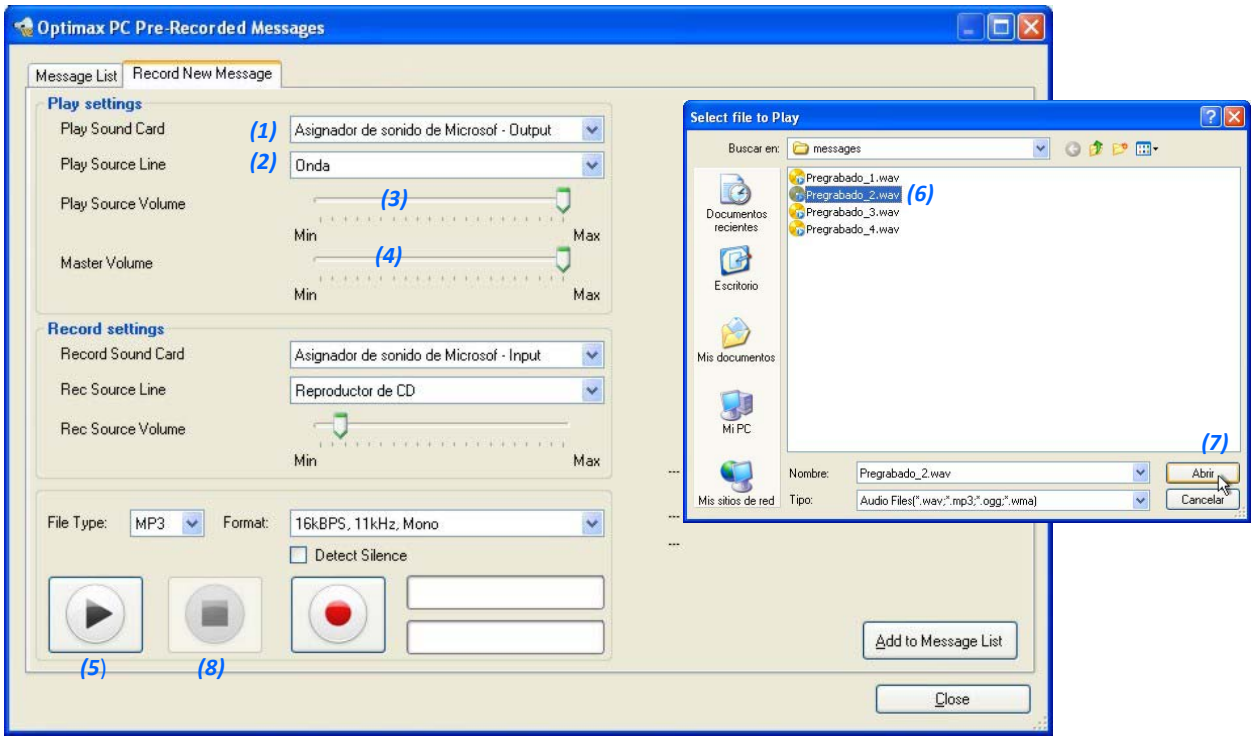
A. Configuration of monitoring controls

Prior to monitoring of messages, it is necessary to configure the monitoring controls.

1. Open the ***Messages*** menu and select ***(PC) Pre-recorded Message Management***.
2. Select the sound card where the monitor is connected ***(1)***.
3. Select the play source line (the options available depend on the brand and the model of the sound card used) ***(2)***.
4. If necessary, adjust the ***Play Source Volume (3)*** and the ***Master Volume (4)*** of the sound card.

B. Monitoring a message

1. Click on the ***play button (5)***.
2. Select the message that you wish to monitor ***(6)*** and click on ***Open (7)***.
3. To stop the message before it ends, click on the button ***Stop (8)***.



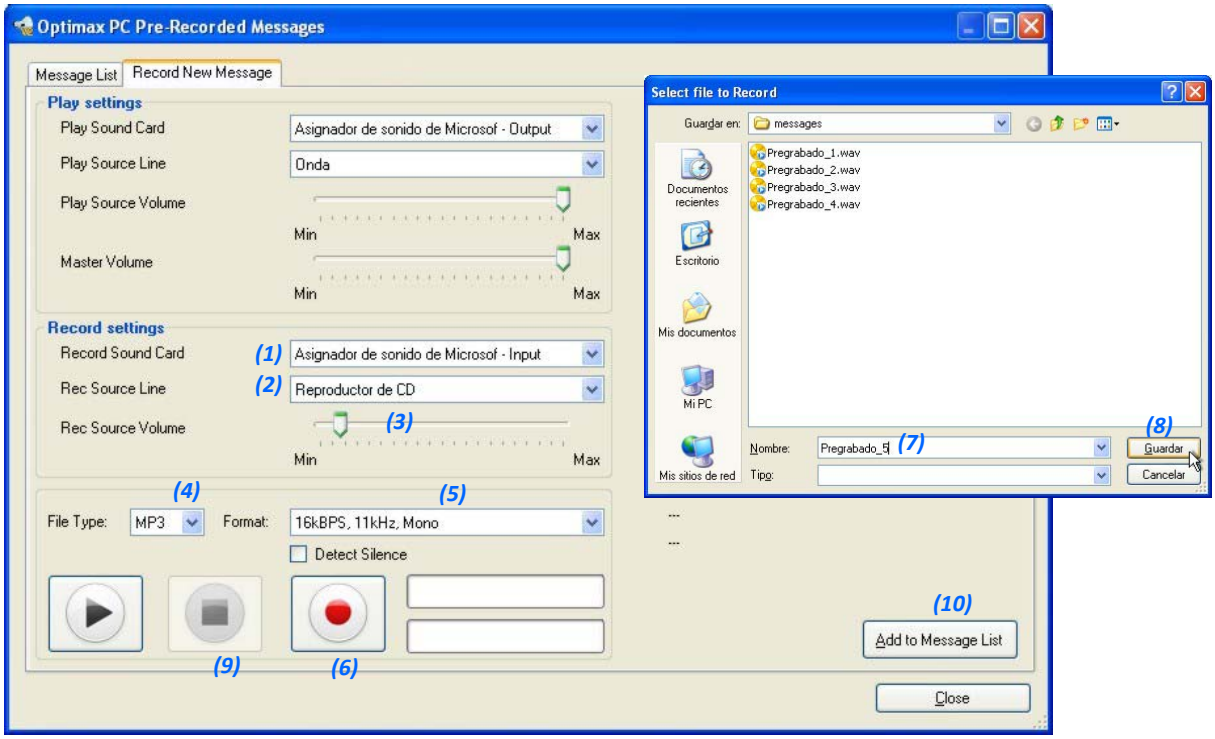
5.4.4. Recording of messages

A. Configuration of recording controls

1. Open the ***Messages*** menu and select ***(PC) Pre-recorded Message Management***.
2. Select the record card where the microphone is connected ***(1)***.
3. Select the record line where the recording microphone is connected ***(2)*** (the options available depend on the manufacturer of the sound card used).
4. If necessary, adjust the ***Rec Source Volume (3)***.

B. Recording a message

1. Select a file type ***(4)*** and a format ***(5)***.
2. Click on the button ***Recording (6)***.
3. Enter a name for the file that is being prepared for recording ***(7)***, click on ***Save (8)*** and recording will begin immediately.
4. To stop recording, click on the button ***Stop (9)***.
5. Add the recorded message to the Message List by clicking on the button ***Add to Message List (10)***.



5.4.5. Copy files to the PC to be used as a Gong

To use an audio file as a personalised Gong, it must be copied to the ***gongs*** folder of the Server PC.

This folder is created automatically during the software installation process.

The default location of this folder is: ***C:\SMP250v2\pafiles\gongs***

In order that these gong files may be used, it is necessary to assign the gong to a Mode when the system is configured. In this way, the PC pre-recorded messages with this same mode assigned to them can be activated preceded by the gong.

5.5. Log backup configuration

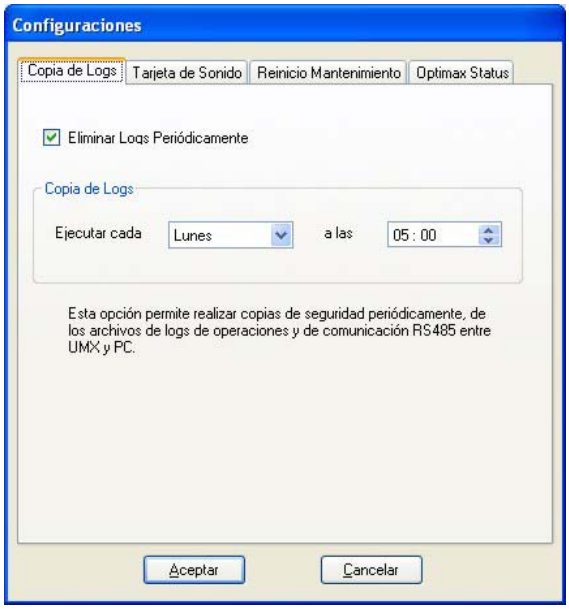
Requires a user profile with the Access to Configuration function enabled

All the system operations, events and alarms are logged in some text files called ***logs.***

These files are created automatically every day, and they are saved in the log folder of the PC (***SMP250v2\pafiles\log***).

Through the log backup, a weekly backup is performed of the log files of the system operations, alarms and communication.

The files copied are saved in the folder ***old*** (***SMP250v2\pafiles\log\old***). When the backup is made, the old files contained in the folder ***old*** are deleted. This backup system makes logs of 2 weeks available (the current week in the folder ***log*** and the previous week in the folder ***old***) and avoids unnecessary space being taken up on the PC's hard disk.



To configure log file backup, proceed as follows:

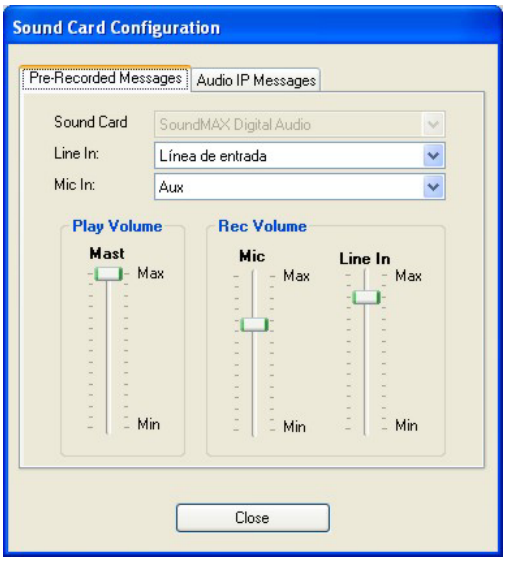
1. Open the ***Options*** menu and select ***Configurations***.
2. Activate the option ***Delete Logs Periodically***.
3. Configure the day and the time at which the logs are to be copied.
4. Click on ***Accept.***

5.6. PC sound card configuration

Requires a user profile with the Access to Configuration function enabled

Through this option the PC sound cards are configured for use in playing PC pre-recorded messages or as generators of audio IP (in analog installations with pre-recorded live voice audio).

1. Open the ***Options*** menu and select ***Configurations***.
2. Select the ***Sound Card*** tab and click on ***Sound Card Configuration***.



3. On the ***Pre-Recorded Messages*** tab, configure the ***Line In*** control with the option corresponding to line in offered by the sound card, and the ***Mic In*** control with the option that corresponds to the microphone (the options available vary according to the manufacturer of the sound card used).
4. Configure the play and record volumes.
5. If the PC has two sound cards, repeat the process for the card corresponding to the Audio IP by clicking on the ***Audio IP Messages*** tab.
6. Finally, close the configuration window.
7. Click on ***Accept.***

5.7. Maintenance reset configuration

Requires a user profile with the Access to Configuration function enabled

Through this option, the user can program a reset of the computers in the system and a reconfiguration of the equipment as a maintenance measure.

To do this:

1. Open the ***Options*** menu and select ***Configurations***.
2. Select the ***Maintenance Reset*** tab.
3. Enable the reset by ticking the check box.
4. Select the days and the time at which you wish to perform the reset.
5. Click on ***Accept.***

5.8. Configuration of Optimax unit status checks

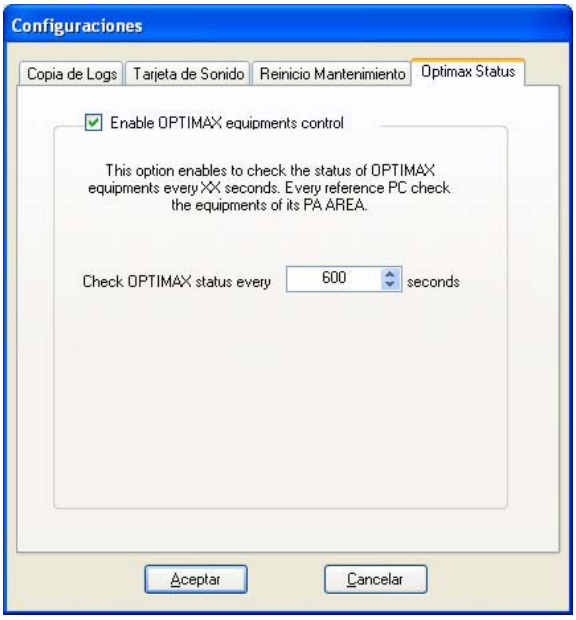
Requires a user profile with the Access to Configuration function enabled

In Optimax installations, each equipment unit sends heart beat signals to the PC every so often, thereby indicating its status.

Through this option, a process is activated whereby the PC checks the Optimax units, attempting to recover the units from which it no longer receives a heart beat.

To activate the check:

1. Open the ***Options*** menu and select ***Configurations***.
2. Select the ***Optimus Status*** tab.
3. Tick the check box ***Enable OPTIMAX equipment control***.
4. Establish an interval of time between checks.



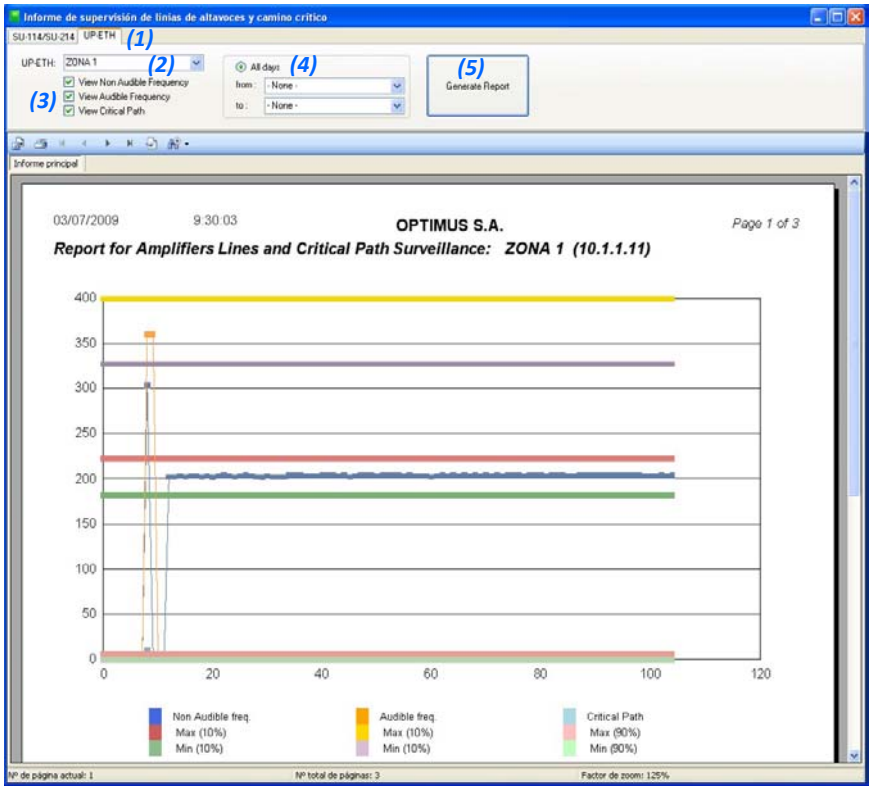
5.9. Generation of a surveillance report

In installations with SU-114, SU-214/0 or Optimax power stages, it is possible to generate reports about the behaviour of the loudspeaker lines, the critical path or the emergency input.

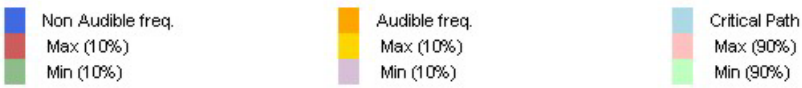
In this way, and through a graphic representation, users can quickly learn of exactly when an error occurred.

The software supports printout of the report or export to other formats (PDF, Word, Excel…).

1. Open the ***Help*** menu and select ***Create Reports***.
2. Select the tab corresponding to the equipment model about which you wish to generate the report ***(1)*** and the name of the equipment unit ***(2)***.
3. Select the frequencies that are to form part of the report ***(3)*** (Non Audible, Audible and Critical Path).
4. Select a range of dates or ***Every day (4).***
5. Click on ***Generate Report (5)***.



The result is a report on the surveillance conducted during the established period of time. Each graph has the following indications:



MEASUREMENTS WITH <u>NON AUDIBLE</u> FREQUENCY:

Blue: Values obtained by loudspeaker line surveillance.

Red: Upper limit above which a value is considered to be a low impedance loudspeaker line or short-circuited line error.

Green: Lower limit below which a value is considered to be a high impedance line or open line error.

MEASUREMENTS WITH <u>AUDIBLE</u> FREQUENCY:

Orange: Values obtained by loudspeaker line surveillance.

Yellow: Upper limit above which a value is considered to be a low impedance loudspeaker line or short-circuited line error.

Lilac: Lower limit below which a value is considered to be a high impedance line or open line error.

CRITICAL PATH / EMERGENCY INPUT

Light blue: Values obtained in the surveillance of the critical path (SU units), or in the surveillance of the emergency input (UP-ETH).

Pink: Upper limit above which a value is considered to be an error.

Light green: Lower limit below which a value is considered to be an error.

5.10. Access to the installation screen

Requires a user profile with the Access to Installation function enabled

Open the ***Options*** menu and select ***Installations***. The installation screen appears.

Here, following the tree-like structure typical of Windows Explorer, you can add, delete and edit equipment units.

5.11. Event and Operation Viewers

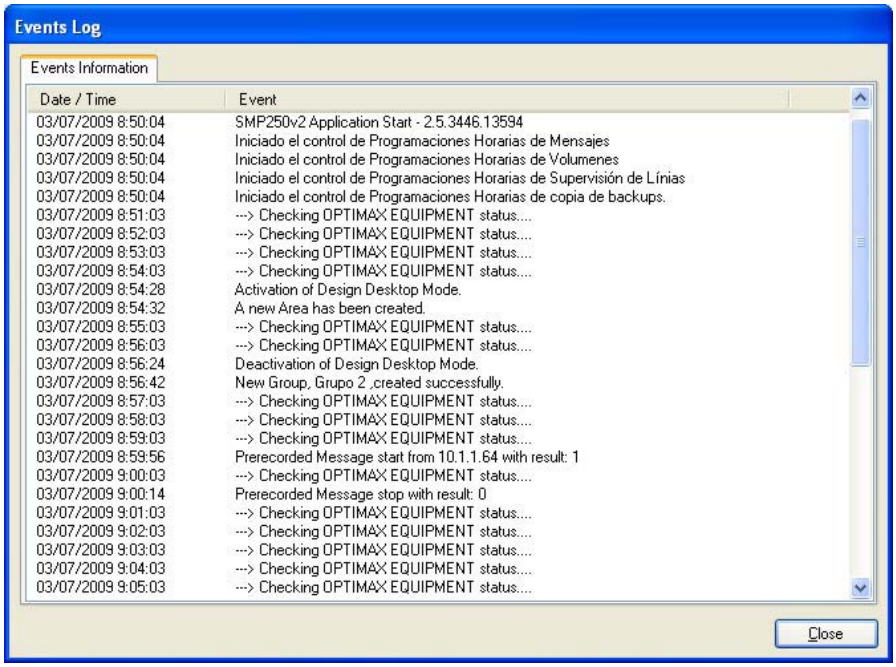
5.11.1. Event Log

This shows the configuration operations performed by the operator (creation of areas, addition of zones, groups…) and the operations performed automatically by the system (checking of equipment…).

To view this log, open the ***View*** menu and select ***Event Log***.

The information that appears in the event log is automatically logged in a text file. This file, named ***LogEvents_(day_month_year).txt***, can be found in the ***log*** folder of the PC (***SMP250v2\pafiles\log***).

More information can be found in section *5.5. Log backup configuration*.



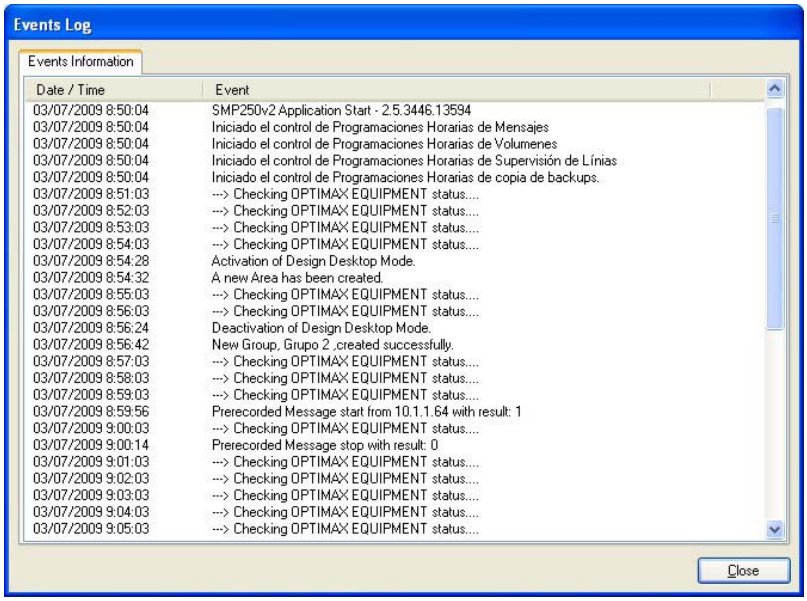
5.11.2. Message Log

This shows the message activation operations performed by the operator.

To view this log, open the ***View*** menu and select ***Message Log***.

The information that appears in the message log is automatically logged in a text file. This file, named ***LogMessages_(day_month_year).txt***, can be found in the ***log*** folder of the PC (***SMP250v2\pafiles\log***).

More information can be found in section *5.5. Log backup configuration*.

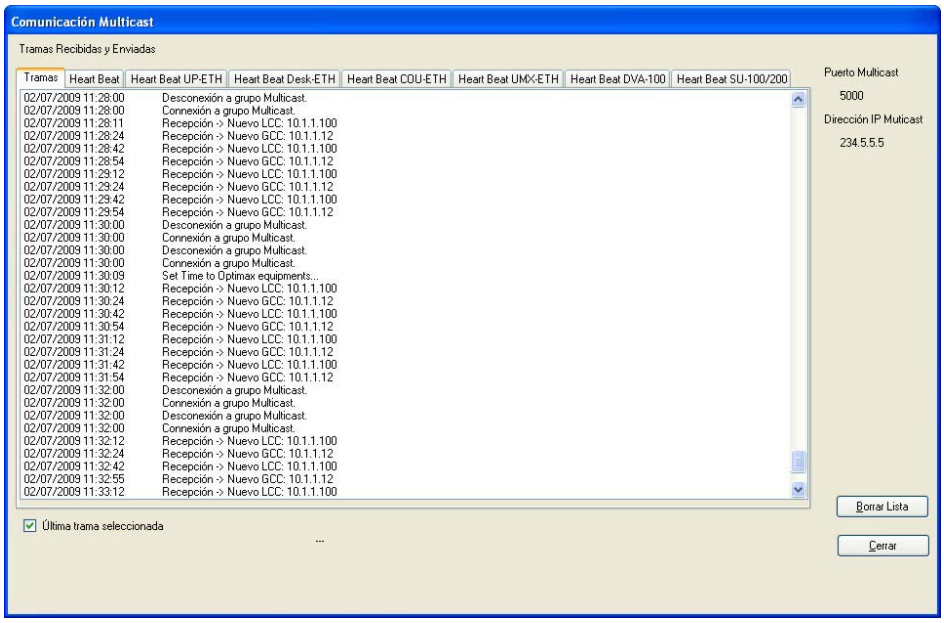


5.11.3. Multicast

This shows Multicast communication between the equipment in the installation.

To open the viewer, select the ***View*** menu and click on ***Multicast***.

- ***Frames***: Information appears about the Multicast communication between equipment in the PA system.
- ***Heart Beat***: This shows the heart beats of the equipment with an Ethernet connection directed towards the Multicast group. This signal provides information about the status of the equipment.
- ***Heart Beat (equipment unit)***: Each equipment model has its own information tab. By clicking on these tabs you can view the IP addresses of each equipment unit, as well as the internal firmware versions of the units.



5.11.4. Audio IP

This shows the communication log between the P.A. Manager application and any integration clients.

To open the viewer, select the ***View*** menu and click on ***Audio IP***.

6. Software versions

The functions described in this user's manual are valid for Optimax installations and the following software version (or a later version):

Software Version	***2.5***
Revision Number	***3391.19997***

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