File Test Opti	6	<u></u>				
Disconnect	Save to PC	Save to Signa				Today
e 🛗 🗉	Day	Week Month O Display the wo	orking week O Display the entire week			C
Calendar 3	0	× 💣 🐭 .		21 - 25 June 2001	>	
June 👘 💙 TWTESS				building a	Thursday 24	Filday 25
1 2 3 4 5 6 8 9 10 11 12 13	-	Monday 21 (June)	Tuesday 22	Wednesday 23	The body 4*	
5 16 17 18 19 20						
22 23 24 25 26 27 29 30 1 2 3 4						
67891011 Groups 5	8.00					
Groups -		09:00 Melody 1	09:00 Melody 1	09:00 Melody 1	09:00 Melody 1	09:00 Melody 1
ouliding b	900	O200 HOURY 1				
Zones =						
Circuits =						
		11:00 Melody 1	11:00 Melody 1	11:00 Melody 1	11:00 Melody 1	11:00 Melody 1
	12:00					
	13.00	13:15 Melody 2	13:15 Melody 2			
			13:13 98009 2	13:15 Melody 2	13:15 Melody 2	13:15 Melody 2
	14:00					
	15:00	15:00 Melody 1	15:00 Melody 1	15:00 Melody 1	15:00 Melody 1	15:00 Melody 1
						internet and a
ions and public holidays	16:00					
nced planning		17:00 Melody 3				
figuration		the state of the s	17:00 Melody 3	17:00 Melody 3	17:00 Melody 3	
Isation						17:00 Melody 3
tning						
adcast	19.00					
10.17.10.250 - V1.1E16 03/05/20						

Sigma Software

USER MANUAL





BODET Time & Sport 1 rue du Général de Gaulle 49340 Trémentines | FRANCE Tel: +33 241 71 72 33

Ref. 607752K

CONTENTS

CONTEN	ITS	2
INTROD	UCTION	3
FOREWO	ORD	4
1.	INTRODUCTION TO THE SYSTEM	4
2.	ARCHITECTURE AND CONFIGURATION	4
OVERVI	EW	5
1.	Overall operation	-
2.	STARTING UP THE SOFTWARE	
2.1	Loading from a USB flash drive	5
2.2	Connection from the Ethernet network	7
SOETW//	ARE OPERATION	۵
1.	INTRODUCTION TO THE SOFTWARE MENUS	
1.1	Sigma Menu	
1.2	File Menu	
1.3	Test Menu	
1.4	Options Menu	14
1.5	Help Menu	15
2.	MASTER CLOCK CONFIGURATION	
2.		
2.		
2.		
2. 2.		
2.		
2.	-	
3.	INSTALLATION IN A DHF ENVIRONMENT	.26
3.1	Choice of DHF environment	26
3.2	Planning a broadcast	27
3.	2.1 Handling the calendar	.27
3.	2.2 Planning an audio or relay event	.29
-	2.3 Setting up vacations and holidays	
-	2.4 Configuration of schedule copying	
4.	INSTALLATION IN AN IP ENVIRONMENT	
4. 4.		
4.		
	3.1 Harmonys / Harmonys Trio	
4.	3.3 Microphone	
4.	3.4 Control box	
4.	3.5 Sequences	
4.4	Planning a broadcast	
	 4.1 Handling the calendar 4.2 Planning an audio or relay event 	
	 4.2 Planning an audio or relay event 4.3 Setting up vacations and holidays 	
	4.4 Configuration of schedule copying	
4.	4.5 Import / Export a program	
4.5	Live broadcast management	55
5.	REGULAR BACKUP	.56
CENTRA	LIZED MANAGEMENT OF MULTIPLE SITES	.57
1.	BROADCASTING DOES NOT WORK CHECK THAT	
2. 3.	SIGMA IS NOT ON MY NETWORK ERROR WHEN STARTING UP THE SOFTWARE	
-		
APPEND	וואו או או או או או איז	
1.	MELODY NAMES	
2.	ERROR LOG - MULTIZONE MICROPHONE	
3.	AUDIO BROADCAST PRIORITY ORDER	.62
CONCLU	ISION	.63

INTRODUCTION

This manual has been designed to optimise the use of Sigma software.

Together, the chapters Foreword and Overview tell you how Sigma software works.

The chapter *Operation* gives a more detailed description of the scope and functions of Sigma software. It provides explanations of screens and procedures and gives examples of some functions. By following these procedures, users will be able to set the system up, simply but effectively, in order to organise the time distribution or plan audio broadcasting.

The chapter *Troubleshooting* will help you maintain your system effectively and solve any problems you might encounter while using the software.



General information

The Sigma software is supplied on a USB key with the master clock. If you need it, please contact customer support at 02 41 71 72 33 or by email at assistance@bodet-timesport.com to obtain a download link.

Depending on your installation, you will not necessarily have access to all software options. This will depend on whether or not you have a master clock and what model it is. If there is no master clock, or depending on which model you have, the configuration of your installation will be restricted to the **IP Device** menu only.

This manual describes all software options. However, depending on your configuration (master clock and other Bodet products), some functions will not be available.

BODET uses MPEG Layer-3 audio encoding technology.

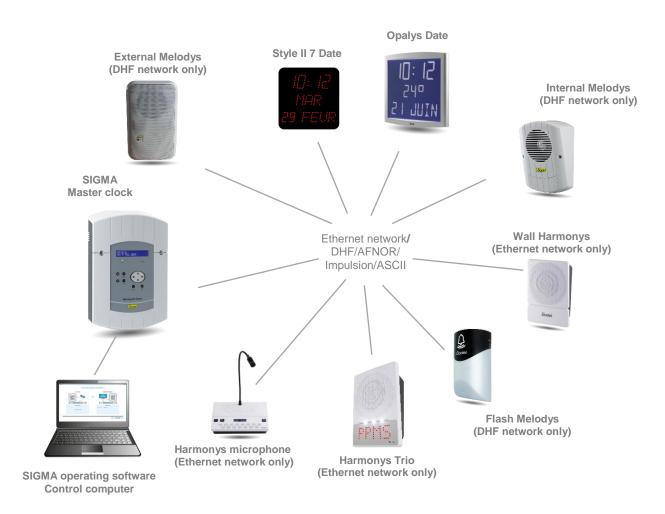
Compatible Windows: Windows Seven (7), Windows 8 and Windows 10.

1. Introduction to the system

With Sigma software, you can:

- configure a Sigma H, Sigma P, Sigma C or Sigma Mod master clock to organise time distribution or plan the broadcasting of bells and melodies using Melodys or Harmonys sounders,
- make adjustments to a group of clocks or a bell system on an Ethernet network,
- broadcast to Harmonys sounders sound live, or a playlist launched from the control computer,

2. Architecture and configuration



Sigma software is installed on a computer that is dedicated to configuring the devices found on the network.

The PC and master clock communicate with one another over the network.

The master clock and the devices may communicate in either of two ways:

- Over the Ethernet network (clocks and Harmonys),
- In DHF, wireless time distribution (clocks and Harmonys).

1. Overall operation

With Sigma software, you can configure a Bodet master clock. It will then manage the time distribution (DHF, Ethernet network, AFNOR, Impulsion, ASCII) of the Bodet clock range (Style, Profil, Cristalys, Opalys), plan the audio broadcasting of Bodet sounder systems (Harmonys, Melodys) and manage relays operation.

4 key software functions are available, depending on the master clock model:

Software menus	SIGMA H	SIGMA P	SIGMA C	SIGMA Mod
Master clock configuration	~	~	v	~
Operation of IP devices	x	x	~	~
Planning bells and melodies broadcasting (programming)	x	USB	IP	IP
Live audio broadcasting from the computer to Harmonys sounders	x	x	v	~

2. Starting up the software

It is necessary to run the software in administrator mode the first time it is launched after installation.

When the software starts up, the welcome screen may be used to:

- Load a backup configuration of a Sigma P from a USB flash drive (.sig file),
- Connect to a Sigma (C or Mod) over the Ethernet network.
- Choice of language.
- Set up an installation without a master clock.

	How do you w			
	USB FLASH DRIVE		ETHERNET NETWORK	
		OR		
	History		History	
	C:Users\formation\Desktop\Sof\Config_1.sig 14/10/2014		Marketing	
SIGMA (V1.1	(98)			

2.1 Loading from a USB flash drive

If you have a configuration and you want to apply it to your master clock, you must:

1/ Click on the diagram under USB FLASH DRIVE (see above).

2/ Select the .sig file to be loaded onto the master clock:

Select a backup file			
) 🔾 🚽 🕨 Softwa	re Sigma		▼ 49 Rechercher dans : Software Sig
Organiser 🔻 Nouve	au dossier		iii • 🗖 🌘
Documents	Nom	Mo	
Images Musique Vidéos	Config_1.sig	14/	
P Ordinateur SYSTEM (C:) DATA (D:) Disque amovible Réseau	5		Aucun aperçu n'est disponible.
Software Sigma		•	
No	m du fichier: Config_1.sig		Sigma file (*.sig)

With a Sigma H master clock, the following window appears (configuration screen > time outputs):

SIGMA - New.sig SIGMA File Test Options Help					
Home Disconnect	Save to PC Save to Sigma Alarms				
Sigma	Time outputs				
Option card Sounders and relays External inputs	Main card NTP Server				
IP devices Time source	D1D2				
Time outputs Customisation Alarms	Impulse duration (s): 6 01 : 24V pulse output Impulse duration (sec): Type: Minute Impulse duration (sec): 02 : AFNOR ouput Impulse duration (sec):				
	03 : DHF output				
Configuration	Power: 25mW Channel 1				
Utilisation					
Planning					
Broadcast					

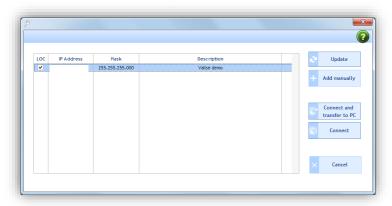
In the case of a Sigma P or C or Mod master clock, the following window appears (planning screen):

SIGMA - New.sig	ptions Help					- Ø X
* 🕯	6	6				
Home Disconnect	Save to PC	Save to Sigma Week Nonth O Display the working we	ek O Display the entire week			Today
Calendar		• New •		21 - 25 June IIIIII	>	Comment
✓ June > M T W T F S S		- New -			· ·	Connext
31 1 2 3 4 5 6 7 8 9 10 11 12 13		Monday 21 (June)	Tuesday 22	building a Wednesday 23	Thursday 24	Finday 25
14 15 16 17 18 19 20	7:00					-
21 22 23 24 25 26 27 28 29 30 1 2 3 4						
5 6 7 8 9 10 11 Groups 3	8:00					
01 : building a 🗸 🗸	9.00					
02 : building b	5.00					
Zones						
Circuits						
	11:00					
	12:00					
	13:00					
	13.00					
	14:00					
	15:00					
Vacations and public holidays	16:00					
Advanced planning	17:00					
Configuration						
Utilisation	18:00					
Planning						
C Broadcast	19:00					

2.2 Connection from the Ethernet network

1/ Click the picture under ETHERNET NETWORK.

The software will detect the master clock(s) installed on your site:



To connect to the master clock found on the Ethernet network, you must:

- 2/ Select the master clock found on your network.
- If several master clocks are found on the network, it is possible to select the desired Sigma by checking the box in the **LOC** column (the master clock's LCD screen will blink as long as the box is checked).

opens a pop-up stating that since the software cannot find the IP address of a Sigma placed behind a router automatically, the IP address must be enter manually using the "Add manually" button. During the next searches the manually added SIGMAs will also be automatically tested.

Port 5666 must be open on routers and the IP address of the gateway must be entered into the PC's network configuration.

- Update may be used to refresh the list of master clocks found on the network.
- Add manually may be used to add a master clock manually by typing in its IP address.
- Connect and transfer to PC may be used to connect the computer to the selected master clock and download the master clock data onto the computer (recommended).
- **Connect** may be used to connect the computer to the master clock without downloading its parameters.
- **Cancel** closes the window and may be used to return to the software start up screen.

Having established the connection with the master clock, the following window appears on the screen:

SIGMA - SIGMA File Test D	ptions Help	and the second											- 0
Home Aarms													
Sigma	IP device								Range A		▼ Ne	twork interface	
ption card ounders and relays xternal inputs	12	Network	in the second	Save config		Update		port anually					
e devices me source				-					_				Param
ine outputs	Harmonys (5)	Harmonys Trio (5)	Harmonys flash (5)	Microphone	(1) Control Box	(5) Relays (1)							TOT Paran
Customisation		Name	Loc.	al ¹ Volume	Flash brightness	Display brightness	Time	Zone	DHCP	IP Address	1 MAC Address	1 Multic ast A	2 Multicast B
N ID				4	75%	25%	HH:MM	90	Disable				0.0.0.0
	~		00000	1	25N 100N	25% 75%	HH:MM HH:MM:SS	1	Enable			10.00	0.0.0.0
			00	3	100%	255	HH:JWA:55	66 12	Enable				0.0.0.0
			U	7	100%	75%	HH:JMA:SS	2	Enable				0.0.0.0
🖛 Previous Next 🗭	•												
Configuration													
Utilisation Planning													
K Broadcast													

1 Clicking on the ^{Sev} button refreshes the list of devices on the network. After the modification of a product (via the Network or Update buttons) an inventory will be executed after 10 min. The countdown is triggered by any event which causes a product to reboot. It is therefore important to refresh the inventory to make sure that all the products are still present (and also to update the data on the list following a configuration modification or firmware update). The counter is displayed below the refresh button and disappears after the inventory is completed.

Automatic inventory is executed as soon as the counter is at zero and no windows are open.

NEW: from now on it is possible to add a range of IP addresses (ex. From 192.168.1.1 to 192.168.1.50). We recommend to limit the size of the range to a number of products (if only 30 product are concerned within the 192.168.1.1 to 192.168.1.50 range it is not necessary to use a wider range such as 193.168.0.0 to 192.168.255.255.

letwork	modifies the device name	and its ne	
		\$	×
		Network conf	iguration
		Product name	BODET
			Enable DHCP
		IP Address	
		Subnet Mask	
		Gateway	
		DNS	
			Validate X Cancel

Web browser access connects to the web server giving access to all the parameters to be configured.

Save config. MEL = Harmonys, .Rel = IP Relais, FLH = IP Flash, .BUT = IP Buttons, .MIC = Microphone, .TRI = Harmonys Trio)

Load config. uploads a previously saved configuration.

updates the device's firmware (format *.BOD)

exports the list of devices on the network and the parameters displayed on the screen in PDF or Excel

format.

Export

+ Add manually add a device to the network manually. NEW: It is possible to add a range of IP addresses (ex. 192.168.1.1 to 192.168.1.50). The goal being to be able to inventory product located on another network.

After a multicast inventory, the software will scan each address of the range (ex; 192.168.1.1, then 192.168.1.2, up to 192.168.1.50). It is recommended to limit the size of the range to the number of products (if there are 30 products on the range 192.168.1.1 to 192.168.1.50 there is no need to use a range such as 192.168.0.0 to 192.168.255.255).

Parameters NEW: the buttons "Adjust volume", "Change zone" are grouped in under this new "Parameters" button through which the zone, the sound volume, the time display, the display luminosity and the flash luminosity can be adjusted.

SOFTWARE OPERATION

1. Introduction to the software menus

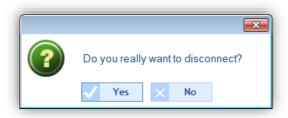
1.1 Sigma Menu

With the Sigma menu, you can access the different options related to the master clock.



Home may be used to return to the software start up screen.

Disconnect may be used to disconnect the master clock from the software. A confirmation pop-up opens to validate the selection:



- Save to PC may be used to save the configuration done from the master clock to the Sigma software.
- Save to Sigma may be used to save the configuration set up from the software to the master clock.
- Alarms may be used to open a window listing the master clock alarms:

Туре	Output No.	Date	Time	State	C Update
Synchro failure	1	22/09/	15:49:00	Acknowledged	
Synchro failure		17/09/		Acknowledged	Acknowled

In this window:

- **Update** may be used to refresh the list of alarms.
- Acknowledge may be used to validate the alarm (the alarm light on the master clock goes off).
- Configuration may be used to access alarm settings (see <u>Alarms I Configuration of the alarms list</u> page 25).

1.2 File Menu

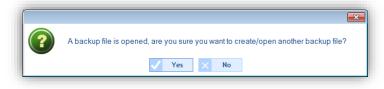
With the **File** menu, you can access the different options concerning the .sig file generated by the Sigma software. A .sig extension is the format of the configuration file created by the software and saved in a storage space (USB flash drive, computer hard drive, etc.).



Open may be used to open and load a file. When you select this option, an information window opens:



After validation, if a backup is already open, a second information window opens:



When you validate this information, Windows Explorer opens a window, which may be used for locating and then loading the .sig file:

Select a backup file			
Software S	Sigma		✓ Rechercher dans : Software Sig
Organiser 🔻 Nouveau	dossier		≣≕ ▾ 🗔 🔞
 ☑ Documents ▲ Images J Musique ☑ Vidéos 	Nom Config_1.sig	Mo 14/	
P Ordinateur SYSTEM (C:) DATA (D:) Disque amovible			Aucun aperçu n'est disponible.
📭 Réseau			
•	•	4	
<u>N</u> om (du fichier : Config_1.sig		 ✓ Sigma file (*.sig) ✓ Ouvrir Annuler

- **Save** may be used to back up and overwrite the last configuration on the already open .sig file.
- **Save as** may be used to select the configuration file storage location.

Print may be used to print the master clock programming and setting. A window with a drop-down menu containing the printers on the network opens:

Select printer
TOSHIBA e-STUDIO2330 TF
Validate X Cancel

Before printing, a preview window appears on screen:

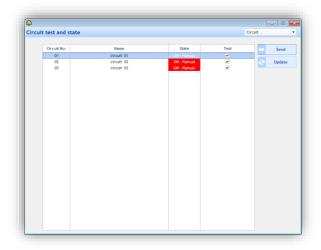
Print Preview	► ♪ ♪ ⁺ ☆ ≪ < 1/3 > » 🔞	
Search:	revious Next Whole word Match case	
		^
	<image/> <section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><text></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	
	1- Circuit program mino :	-

1.3 Test Menu

The **Test** menu may be used to test devices found on the network (circuits/relays and sounders). The purpose is to check whether the devices are actually connected to the installation (presence of a power supply, good electrical operation, etc.). The menu may also be used to import melodies loaded into sounders found on the network and to load default melodies.



Circuits may be used to test the circuits/relays found in the installation. When you click this button, the following window opens:



In this window:

- The drop-down menu may be used to select the product family: Circuit or IP Relay.
- Send may be used to send a command to test whether the product is working correctly.
- \circ \quad Update may be used to refresh the list of products found on the network.
- Sounders may be used to test whether the installation sounders are working correctly. When you click this button, the following window opens:

Zones / groups	Name	Melody	Volume		×	Опо
Zone 1	hall	1 🔻	4	-	-	
Zone 2	corridor	1	4			In a lo
Zone 3	room 1	1	4			
Zone 4	room 2	1	4			Sto

To test the sounders found in a zone, you must:

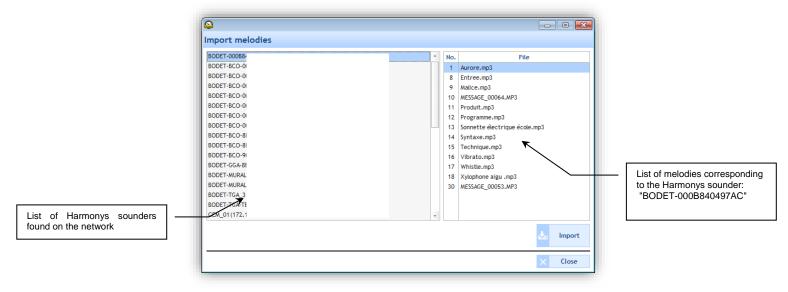
1/ Use the checkbox to select the sounder zone to be tested.

- 2/ Select a melody using the drop-down menu in the "Melody" column.
- 3/ Set the melody volume using the drop-down menu in the "Volume" column.

In this window:

- **Once**: to play the melody once.
- **In a loop**: to play the melody continuously. When the test is done in a loop, it stops after 20 minutes. The test stops automatically when the user exits the test window.
- **Stop**: to stop at anytime the melody being played.

Get melodies: to import melodies stored in sounders found on the network.



In this window:

0

- Import: to test (listen) locally on the computer melodies stored in a sounder.
- $\circ \qquad \textbf{Close: to exit this window.}$
- Default melodies: to load default melodies:



1.4 Options Menu

With the **Options** menu, you can access the software configuration assistant, the MIB files (Management Information Base) and the languages available for the Sigma software.



Setup wizard: to access the steps in master clock configuration:

SIGMA - New.sig				
SIGMA File Test Optio	ons Help			
* -111		0		
Setup wizard	MIB files	Language	222	
Sigma	AI	locating option c	aros	
Option card		Card No.	Туре	Unlock
ounders and relays		4	Not allocated	
External inputs		5	Not allocated	
P devices		6	Not allocated	
Time base		7	Not allocated	
Time outputs				
Customization		8	Not allocated	
Aarms		9	Not allocated	
		10	Not allocated	
		11	Not allocated	
Previous	Next		Not slocated	0 0
Utilization Planning		U		

The configuration assistant's first step is to allocate options cards (see Allocation of option cards page 16).

To continue onto the next steps, click the button

To go back to a previous step, click the button

MIB files: to recover the files needed for network management. A MIB (Management Information Base) is a database of objects which may be managed on a network, most often associated with SNMP. The managed objects, or variables, may be defined and read using network peripherals and interfaces.

To back up MIB files, you must:

1/ Click MIB Files.

2/ Select the file storage location.

Select a folder
MIB files will be copied to the selected directory.
Disque amovible (E:)
Electeur DVD RW (X:)
🖻 👽 Réseau
FormationHarmonysAssistantes
🕌 MIB files 😑
🎉 Software Sigma
·
Dogsier : MIB files
Créer un nouveau dossier OK Annuler

3/ Preview of the folder containing the files:

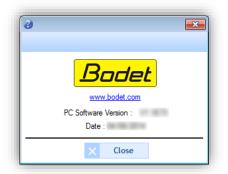
) 🗸 📔 🕨 MIB files		✓ 4y Recherch	er dans : MIB files	× =
Organiser Inclure dans la bibliothèque	Partager avec ▼ Graver N	ouveau dossier	8== 👻	
🔆 Favoris	Nom	Modifié le	Туре	Taille
National States and St	BODET.mib	01/09/2010 16:57	Fichier MIB	
🕮 Emplacements récents	SNMPv2-SMI.mib	14/08/2003 00:19	Fichier MIB	
🗽 Téléchargements	SNMPv2-TC.mib	14/08/2003 00:19	Fichier MIB	3
词 Bibliothèques				
Documents				
🛌 Images				
👌 Musique				
📕 Vidéos				
👰 Ordinateur				
🏭 SYSTEM (C:)				
👝 DATA (D:)				
👝 Disque amovible (E:)				
🗣 Réseau				
🌗 MIB files				
	•	III		
3 élément(s)				

1.5 Help Menu

The Help menu may be used to display information on the Sigma software.



Info: to display the Bodet website, the software version and its date of creation:



2. Master clock configuration



After each configuration has been done, validate the settings by going to the **SIGMA** menu and then clicking on **Save to Sigma**. The master clock starts with the new configuration.

On the other hand if configuration is done directly from the master clock, (see the corresponding master clock instructions), it is possible to load the settings onto the computer by clicking **Save to PC**.

The Configuration menu concerns all settings associated with the master clock according to the installation.

Access to the Configuration menu

To access the Configuration menu, you must:

1/ Click on Configuration in the navigation bar (which turns yellow when selected).

2.1 Allocation of options cards

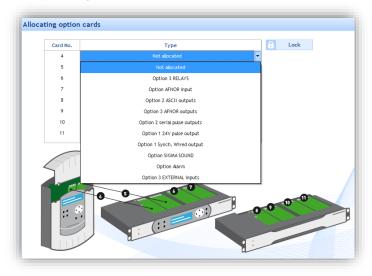
Allocation of an options card enables you to expand the capacity of the master clock. The physical installation of the cards must done only when the master clock is switched off for the Sigma H, P or C. On a Sigma Mod the cards can be installed with the power on. See the corresponding master clock instructions. Once the master clock is switched back on (or when cards have been installed correctly), the options cards will be detected automatically. In the software, by default, options card allocation is locked.

N.B.: depending on the Sigma master clock version (H, P, C or Mod), several types of options cards may be available (see the corresponding master clock instructions).

Adding an options card 1/ Click Unlock.



2/ Add an options card by clicking the drop-down menu.



2.2 Sounders and relays I Creation of zones and/or groups

This menu may be used to:

- Configure the relays of the master clock's main card (Circuit, D1/D2 or Alarm).
- Set the solstices for configuring sunrise and sunset. This may, for example, be used to plan lighting only according to the amount of light in the establishment.
- Choice of installation environment: Ethernet network (IP) or DHF (See <u>3. Installation in a DHF environment</u> page 26 or <u>4. Installation in an IP environment</u> page 34).

Configuration of relays 1-2 and 3

1/ Click the drop-down menus for each relay or relay group:

Sounders and relays	Sounders and relays
Main card circuits	Main card circuits
Circuit 1 and 2 : Circuit Circuit Circuit 3 : Circuit Circuit D1D2	Circuit 1 and 2 : Circuit Circuit Circuit Circuit Aarm

Circuit enables the relays to carry out a direct command.

D1/D2 enables the relays to control a D1/D2 time distribution (see the corresponding master clock instructions). **Alarm** enables the relay to feedback alarms detected by the master clock to the software.

Configuration of the solstices

1/ Click Settings.

Solstices	
입다. Settings	Setting solstices applies only when setting "Astronomical" event types.

A configuration window opens.

2/ Enter the sunrise and sunset times by summer/winter period. This parameter will have an impact on astronomic planning (see <u>3.2 Planning an audio or relay event</u> page 29).

olstices			
	Sunrise	Sunset	
On 21/06	05:45	22:00	
On 21/12	08:40	17:00	

3/ Validate or cancel the configuration.

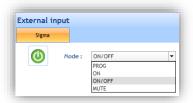
Choice of environment

Depending on your installation, see chapter <u>3. Installation in a DHF environment</u> page 26, or <u>4. Installation in an IP environment</u> page 34.

This menu may be used to enable or disable the use of external input of the master clock used to manually activate or deactivate a circuit. For example, this option may be used to set off an evacuation siren manually from the IP 4-Button Control Box.

Activation/deactivation and mode

- 1/ Enable external input by clicking @. The button then turns green: @.
- 2/ Select the mode using the drop-down menu:



PROG mode may be used to toggle the programming status of circuits selected: an "on" circuit becomes an "off" circuit and vice versa). Relay circuits are selected one-by-one and no zone or group selection is possible (only all sounders).

ON mode: relays activate the selected circuits for a given time (0 seconds to 23:59:59). The selected sounders (zones or groups) emit the programmed melody.

ON/OFF mode: when first pressed, the relays activate the selected circuits and the selected sounders (zones or groups) emit the programmed melody either once or in a loop. When pressed again, the relays deactivate the circuits and the sounders stop playing the melody. The operation of the ON/OFF mode necessarily requires a second press for OFF. If you do not proceed to the OFF of the ON/OFF mode, unwanted bells may occur.

MUTE mode (available only in an IP environment): as long as the MUTE mode is enabled the selected relay circuits are switched OFF even when the external input is active and no sounders play melodies, only calls from the Microphone are authorised to be broadcasted.

Selection of circuits, zones and groups

External input				0
Mode : ON/OFF Circuits, zones, and groups selection	, ▼			
Everything The entire selection Everything but the the selection	Circuits, zones and grou 	aps Anno anno anno anno anno anno anno anno	Selection 01:circuit 01 101:iprelais 1 201:hal 202:corridor 203:room 1 204:room 2	
Alarm				
Relay Circuit Activate / Deactivate the se	lected relay circuits	Melody Melody Repeat over		u 5 🗘

Depending on the circuits, zones and groups created, 3 selection modes are possible:

Everything: to select all circuits, zones and groups.

The entire selection: to select the circuits, zones and groups added in the selection.

Everything but the selection: to select all circuits, zones and groups except those added in the selection.

- to add circuits, zones and groups one-by-one.
- to add all circuits, zones and groups.
- to remove all circuits, zones and groups from the selection.

to remove circuits, zones and groups one-by-one.

The Alarm checkbox may be used to enable the feedback of alarms:

- using circuit 03 (see <u>Configuration of relays 1-2 and 3</u> page 17). The activation duration of the selected circuits is only available in **ON** mode (see above).
- only available in **ON** mode (see above).
- sending e-mail and trap (see <u>Alarms I Configuration of the alarms list</u>, page 25)

It is possible to select a melody (or a sequence using the drop-down menu), the type of melody, the number of times it is going to be played, its volume and listening from the PC's audio.

This menu may be used to set the master clock date and time manually. The function may also be used to enter the master clock's method of synchronisation and the time zone for time distribution.

Changing the date and time

- 1/ Click 🚻.
- 2/ Enter the date from the drop-down menu (calendar).
- 3/ Enter the time manually.



Time synchronisation

1/ Click the drop-down menu to select the master clock mode of synchronisation (only if a master clock (time distribution) is present on the installation).

Date and time			
GLO 12/10	0/ 14:19:3	30 989	
,			
Type of sync	hronisation	GNSS	•
Type of sync Time zone	hronisation	GNSS NONE GNSS ALS/DCF RADIO	-

For time distribution, different synchronisation types may be used to define the mode of communication between the master clock and receiving clocks.

AUTO mode may be used to prioritise synchronisation: NTP then AFNOR then GNSS and ALS/DCF (AFNOR mode requires an option card and is available only on Sigma P and Sigma Mod master clocks).

In GNSS mode, the antenna connected to the product is automatically detected (GPS, Galileo or GLONASS).

The constellation used (GPS, GAL, GLO) is displayed under the pictogram : 🐩

Support for Galileo and GLONASS antennas requires software version V1.1H45 (minimum version).

Update the Sigma software and the firmware of the master clock if necessary.

NTP mode may be used to define the master clock as a NTP client. By selecting this option, it is possible to select the time signal transmission mode (these different modes may be accumulated if necessary):

		J Definition	of authentication keys
Broadcast:	Key No.		
Multicast:	Address	Key n*	
Unicast:	Addresses	Poll (s)	+ Add 111 Modify - Delete
Force synchronic	sation of the master clock with the serv	er when starting :	

Broadcast: the master clock receives the time emitted, identical to all network products.

Multicast: the master clock receives the time emitted only by the address on which the server emits.

Unicast: the master clock (client) queries one (or more) server(s) which transmit(s) the time via NTP. If several servers are entered, the first will take priority.

It is possible to add the number of server keys to secure the broadcast. The option "On start up, force the master clock time setting to that of the server" will command the master clock to connect to the server address and take the time on start up.

N.B.: NTP cannot be used to synchronise if the difference between the client and the server is greater than 15 minutes.

Time zone

 $1/\operatorname{Click}$ the drop-down menu to select the time zone.

Date and time			
GLO	/ 00:00:00 합니다		
Time synchronisat	ion		
Type of synch	nronisation GNSS	-	
Time zone			
Time zone	PARIS (UTC +01:00) ▼ HAWAI (UTC -10:00) L.ANGELES (UTC -08:00) DENVER (UTC -07:00) CHICAGO (UTC -06:00) NEW YORK (UTC -03:00) ACORES (UTC -01:00) PROG. LONDRES (UTC +00:00) PROG. LONDRES (UTC +00:00) PARIS (UTC +01:00) HELSINKI (UTC +02:00) MOSCOU (UTC +03:00) ABU DHABI (UTC +04:00) CALCUTTA (UTC +05:30) BAN6KOK (UTC +07:00) SINGAPOUR (UTC +09:00) ADELAIDE (UTC +09:00) SYDNEY (UTC +11:00) FORT-DE-FRANCE (UTC -4:00) CAYENNE (UTC +11:00) FORT-DE-FRANCE (UTC -4:00)	Time changeovers : - Summer time : last Sunday in March at 02:00 - Winter time : last Sunday in October at 03:00	

If **PROG** mode is selected, a sub-menu appears for setting the day light saving time.

Time zone				
Time zone	PROG.	•	UTC offset	+ 🔻 00 h 00 m
Time changeovers				
 Activation of 	of the time changeover	S		
Summer time :	last	 Sunday 	 March 	▼ at 02 h

2.5 Time outputs I Setting up the communication mode

N.B.: the master clock associated with the Sigma software may be used for time distribution on Bodet clocks by means of two communication modes: DHF or Ethernet network.

Parameter settings in DHF

1/ Select the Main card tab.

2/ Configure the power level and the broadcasting channel using the drop-down menus.

3/ Enable the DHF communication mode by clicking the icon

When the communication is enabled, the icon changes to The next stage of DHF configuration is detailed in Chapter <u>3. Installation in a DHF environment</u> page 26.

Parameter settings in the Ethernet network

1/ Select the NTP Server tab.

2/ Click Add to create a multicast address.

3/ Enter the master clock's (emission) multicast address.

U,	
Cr	reation Address, polling and TTL
	Address 239 . 192 . 54 . 1
	Sending period (s) 64 (Poll = 6) ▼ TTL index 0 (TTL = 1) ▼ Key No.
	V OK X Cancel

4/ Using the drop-down menu, enter the emission period in seconds. This period is the time between each data frame sent by the master clock.

(A)	
Creation Address, po	lling and TTL
Address 239 .	192 . 54 . 1
Sending period (s)	64 (Poll = 6)
TTL index 0 (TTL = 1)	16 (Poll = 4) 32 (Poll = 5) 64 (Poll = 6) 128 (Poll = 7)
	256 (Poll = 7) 256 (Poll = 8) OK × Cancel

5/ Using the drop-down menu, enter the TTL index (recommended value: 64).

This setting indicates the maximum number of routers/switches that the information sent by the master clock will have to go through.

ĥ.		x
Creation Ad	dress, polling and TTL	
Address	239 . 192 . 54 . 1	
Sending per	riod (s) 64 (Poll = 6)	
TTL index	0 (TTL = 1) ▼ Key No. 0 (TTL = 1)	
	1 (TTL = 32) 2 (TTL = 64) 3 (TTL = 96)	
	4 (TTL = 128) 5 (TTL = 160) 6 (TTL = 192)	
	7 (TTL = 224)	

6/ Key No. must be a number, identical for the master clock and the product, for establishing communication.

7/ Enable the communication mode by clicking the icon
 When the communication is active, the icon goes
 Ethernet (IP) configuration is explained in further detail in chapter <u>4. Installation in an IP environment</u> page 34.

By customising the master clock you can access the clock type and the name given by the user. It may be changed anytime to ease the installation (if there are several master clocks).

Master clock language

1/ Click the drop-down menu to change the master clock language.

IP		
Master clock menus in	Français	
Master clock configuration :	Français English	
Time format in idle mode:	Español Deutsch	
Backlight in idle mode :	Dutch Portugues	
User access Code :	Norsk Dansk	
	Suomi	

Master clock configuration

Master: to configure the master clock as a "primary" master clock.

Backup: to configure the master clock as a "secondary" master clock. For this configuration, the installation must already have a primary master clock and a Sigma Switch module (Sigma Switch 110-240VAC ref.: 907482, Sigma Switch 24VDC ref.: 907483, Sigma Switch 36-72VDC ref.: 907485).

Master clo	ock configuration :	Master	O Backu

Time format in idle mode

24h: to define the 24-hour clock (the day begins at midnight and is divided into 24 hours).

12h: to define the 12-hour clock (the day is divided into two periods of twelve hours each, one ending at midday and the other beginning at that time and ending at midnight).

Time format in idle mode:	O 24h	O 12h
---------------------------	-------	-------

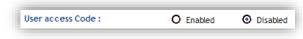
Master clock LCD screen lighting

The master clock LCD screen backlighting (when idle) may be set according to two options: low or off.



User access code

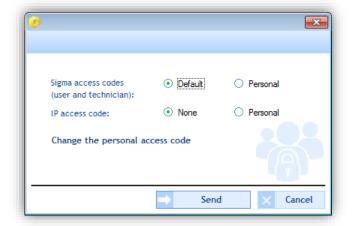
The access code may be used to protect your configurations.



• Activating and entering a password

1/ Check Enabled in the User access code line (see above).

2/ Click Access management.



3/ Select the access codes.

Sigma access codes may be used to add a password to the master clock when you want to access its menus. Viewing the master clock LCD screen (if the central access code is active):



This code must be entered using the navigation arrows on the master clock keypad (see the corresponding master clock instructions).

IP access code may be used to add a password to the software connection on the master clock (Ethernet network mode only).

This password will be requested when you connect to the master clock computer (presence of a padlock to the right of the configuration record):

How do yo	wish to program your Sigma:	
USB KEY		ETHERNET NETWORK
SIGMA locked	OR	
History	access code	: ==_ (>:)] History
C:\Users\formation\Desktop\Sof\Con	✓ 0K × Canc	t Antoine
E:\Software Sigma\Configuration_SigmaC.sig 20/08/2014 E:\Logiciel SIGMA\Configuration_SigmaC.sig 11/08/2014		
E:\Configuration_SigmaC.sig 07/08/2014		
		Sea No Bodet

4/ Click Change personal access code to add or change an access code.

👌 New access (code		×
6	Access code Confirmation	••••	
	→	Send X	Cancel

5/ Click Send to validate.

$\circ \quad \text{Access history} \quad$

Access history may be used to view the type of access (IP access = software access, Tech menu access = master clock menu access), the date and time of the connection and the access code used.

Туре	Date an		Access code	
IP access	10/14/		1111	
IP access	10/14/	15:21:09	None	
IP access	10/14/	14:20:03	None	
IP access	10/14/	14:17:46	None	
IP access	10/14/	14:16:08	None	
IP access	10/14/	13:56:16	None	
IP access	10/14/	13:56:01	None	
IP access	09/25/	10:49:17	None	
Technician menu access	09/25/	10:48:44	standard	
IP access	09/22/	17:00:37	None	
Technician menu access	09/22/	13:54:04	standard	
IP access	09/22/	12:05:14	None	
IP access	09/18/	08:26:43	None	
IP access	09/17/	10:41:56	None	
Technician menu access	09/17/	09:47:52	standard	
User menu access	09/17/	09:47:38	None	

This menu may be used to display the list of alarms fed back to the software by the master clock:

Email SNMP Traps V Alarms displayed	on the master clock
Туре	Configuration
System failure	Enabled + Alarm relay / Mail / SNMP
User code failure	Enabled + Alarm relay / Mail / SNMP
Technician code failure	Enabled + Alarm relay / Mail / SNMP
Battery failure	Enabled + Alarm relay / Mail / SNMP
24V bat. failure	Enabled + Alarm relay / Mail / SNMP
Master failure	Enabled + Alarm relay / Mail / SNMP
Synchro failure	Enabled + Alarm relay / Mail / SNMP
24V overload	Enabled + Alarm relay / Mail / SNMP
24V pulse failure	Enabled + Alarm relay / Mail / SNMP
AFNOR failure	Enabled + Alarm relay / Mail / SNMP
ASCI1 failure	Enabled + Alarm relay / Mail / SNMP
DHF failure	Enabled + Alarm relay / Mail / SNMP
Serial pulse failure	Enabled + Alarm relay / Mail / SNMP
Short-circuit serial pulse	Enabled + Alarm relay / Mail / SNMP
Open circuit serial pulse	Enabled + Alarm relay / Mail / SNMP
Circuit failure	Enabled + Alarm relay / Mail / SNMP
AFNOR sync. failure	Enabled + Alarm relay / Mail / SNMP
Synch. wired failure	Enabled + Alarm relay / Mail / SNMP
SOUND failure	Enabled + Alarm relay / Mail / SNMP
External input failure	Enabled + Alarm relay / Mail / SNMP
Aert triggered	Enabled + Alarm relay / Mail / SNMP

- The checkbox **Alarms displayed on the master clock** may be used to display alarms listed by master clock. The alarm type is displayed on the LCD screen and the red **Alarm** light on the master clock flashes.
- Email... enable the alarm messages which will be sent to several end users by e-mail. To set up e-mail sending, you must:
- 1/ Click Email...

2/ Enter the e-mail server IP address (e.g.: the IP address of your Exchange server). As a general rule, the default port number is 25.

3/ Enter the sending e-mail address. The alarm e-mail will be sent automatically with this sending address.

4/ Enter the end users' e-mail addresses.

Email alarm config.	
Enable email alarm	
IP address of mail server :	Port: 25
Sender's address :	***********@bodet.com (Sigma@mail.com)
Recipients' address :	************0bodet.com (john.smith@mail.com)
Recipients' address :	************0bodet.com
Recipients' address :	************Obodet.com
	Validate X Cancel

SNMP traps may be used to enter the IP address of the SNMP server. Alarms may then be uploaded directly into your supervision software for viewing. To set the parameter for e-mailing SNMP messages to your SNMP server manager, you must:

1/ Click SNMP traps.

2/ Enter the IP address of the SNMP server found on the installation (if there is one).

A				×
Enable SNMP trap				
IP address of SNMP manager :	· · · · · · · · · · · · · · · · · · ·	• Validate	×	Cancel

3.1 Choice of DHF environment

1/ Select the "DHF environment" communication mode by clicking the drop-down menu (**Configuration > Sounders and relays**).

	DHF environment	-
	None	
F	DHF environment	
	IP environment	

DHF environment enables the master clock to control devices through high frequency radio.

Creation of DHF circuit

In this space, the user and/or installer will create the Melodys sounders circuits/zones and relays. The creation of zones enables identical control (same command sent) of several sounders present from the circuit.

• Creating a DHF circuit

1/	CI	ick	Ad	d.

HF	circuit	
	DHF circuit	circuit 60 - circuit 60 💌
	Name	circuit 60
	Configuration	Not allocated 👻
		✓ Validate × Cancel

- 3/ Select the group using the drop-down menu
- 4/ Give the circuit and configuration (relays or melody) a name5/ Validate.

• Renaming a circuit

1/ Click **Rename** or double click the circuit name.

HF Melodys a	nd relays			
RHF circuit No.	Name and location	Configuration	+	Add
60	circuit 60	Relay		Rename
61	circuit 61	Melody	161	Rename
			_	Delete

- Deleting a circuit
- 1/ Select the circuit to delete.

2/ Click Delete.

N.B.: there is no delete confirmation window for this action. As soon as you click Delete the zone is deleted.

3.2 Planning a broadcast

The **Planning** menu may be used to create audio events.

Access to the Planning menu

1/ Click Planning in the navigation bar (it turns yellow when selected).

3.2.1 Handling the calendar

Before starting the configuration of an audio or relay event, a few steps need to be taken in planning the broadcast of bells.

1/ Click on a date in the date navigator (mini-calendar which you will find at the top left of the taskbar):

Calendar									
•		Octo	ber			۲			
м	т	w	т	F	s	s			
29	30	1	2	3	4	5			
6	7	8	9	10	11	12			
					18	19			
20	21	22	23	24	25	26			
27	28	29	30	31	1	2			
3	4	5	6	7	8	9			

2/ Select a group or zone or circuit for displaying the schedule.

Once the calendar appears, you can use the buttons found at the top of the window to navigate the calendar and display or hide details:

SIGMA - New.sig				
SIGMA File Test Options Help				
Home Disconnect	Save to Sigma Alarms	3		56
Planning 🛗	Day Week Month 📀	Display the working week O Display the entire week		Today 141
Calendar				
 January 	New •	4 12 - 16 January	~ ~	Comment
MTWTFSS				
29 30 31 1 2 3 4	89	4		
5 6 7 8 9 10 11				
12 13 14 15 16 17 18				
19 20 21 22 23 24 25				
26 27 28 29 30 31 1				
2 3 4 5 6 7 8				

- Click i to display the scheduling in calendar mode or i for a display in list mode.
- 2 Click Day, Week or Month to go from one view to another quickly.
- 3 These buttons may be used to display or hide days or details according to the view selected.
- d < "date" > may be used to move around the calendar quickly.
- 5 Today may be used to quickly return to "day D" no matter which day you are on in the calendar.
- 6 Set up scheduling using 🛄:

Q	
Planning parameters	
Time precision : Minute	Second
Working week	
First day of the week:	Monday 💌
Number of working days:	5
Working day Start: 08:00 V	End: 18:00 🔻
Weekly rest day	Sunday 🔻
	✓ Validate × Cancel

7 Display the scheduling legend using the **Legend** button:

	Comment
	Type of step
	Weekly
	Holidays
	Special
	Public Holiday
	Periodic
	Astronomical
	Additional
	🙎 Heirs of a group
	Partial execution
8 Enable or disable the programming of the zon	e(s) or group(s) using the $ ilde{\mathbb{O}^{ imes}}$ or $ ilde{\mathbb{O}^{ imes}}$ buttons.
G Create a new audio or relay event using the	👀 New or the 🛩 🛱 New button.

Now that your calendar is displayed on screen, you can start your planning. To plan the broadcasting of an audio or relay event, you must:

1/ Select the week from which you want to start planning.

2/ Select the group and/or zone and/or circuit you want to program.

3/ Click **New** (or double click an empty space in the scheduling timescale, in calendar mode only). The following window opens (depending on the type of event):

	groupe 1 🗾		circuit 01
Action Melody Melody Sequence	No. 1 🗘 x 1 🗘 👰 Volume 5 🗘	Action	n 🔻 Duration (s) 🗧 ≑
When Hour 11:00 Days V V Type Wee Holit Spec Publ Add	days Start 01/01/2015 • cial End 31/12/2015 • lite Holiday End 31/12/2015 • litenval end	When Hour Days Type	Mo Tu We Th Fr Sa Su V V V V J Sa Su Weekly Holidays Special Public Holiday Additional step Astronomical Recurring

It is possible to rename your zone/group or relay by right clicking the scheduling timescale (calendar mode), clicking **Modify** (list mode) or clicking the button.

3/ In the Action zone, using the drop-down menu:

- Audio event: select the type of audio source followed by its number (see <u>Appendix</u> page 60), the number of times it will be repeated and its volume. Listen to the melody or sequence locally by clicking the button.
- Relay event: select the type of action:
 - **ON**: may be used to activate the circuit over the timescale programmed.
 - **OFF**: may be used to deactivate the circuit over the timescale programmed.
 - Duration: may be used to activate the circuit for a given duration in seconds over the timescale programmed.

N.B.: to create a sequence, refer to page 48. To set a circuit, refer to page 18.

4/ In the When zone, select the broadcast start time, days and type of frequency:

- Weekly: enables the steps of all weeks on the days and at the times selected, over X years.
- Holiday: enables the steps only if they are included in the calendar. Weekly mode takes priority.
- **Special**: enables the steps only if they are included in the special days calendar. Weekly and Holiday modes take priority.
- **Public holidays**: Enables the steps only if they are included in the public holidays calendar. Sunday programming takes priority.
- Additional step: broadcasting takes place every week, according to the selected days, over a defined period (Date period).
- Astronomical: may be used to programme the circuit activation/deactivation timescale according to solstice settings (see *Configuration of the solstices*).
 e.g.: switching a light on or off according to sunrise and sunset.
- **Periodic**: may be used to add an additional step (see above) over a timescale defined with intervals (repetition) in hours/minutes/seconds.

5/ Click Validate. The planned slot appears in your calendar in a colour corresponding to your configuration.

6/ In the case of a new relay event, enable/disable the circuit using the -1 or -1 buttons.

In Calendar mode, right clicking the planned slot may be used to:

- Add an audio event.
- Modify the created event.
- Delete the created event (or left click + Del).
- Rename the zone or group allocated to the planning.

Priority during event creation

When creating an event:

- If a single schedule is open, adding a new event is effective in the selected schedule.
- If several schedules are open:
 - Click the schedule timescale to which you want to add a new event (otherwise, by default, creation will be effective in the schedule furthest to the right of the screen).
 - It is possible to create several events in a single slot (and it is possible to add one or more exceptional days).

To set up vacations and holidays, you must:

1/ Click Vacations and Holidays.

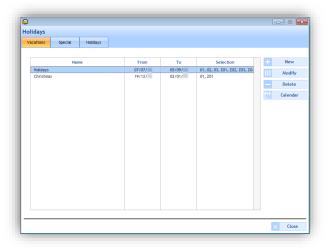
2/ Select Vacations or Special or Holidays by click on the appropriate tabs.

Tabs Vacation and Special (are displayed in the same way).



In Weekly mode, holiday periods take priority.

In Vacation and Weekly mode, periods with special days take priority.



New may be used to create a new vacation period or period with special days. **Modify** may be used to modify a vacation period or period with special days. **Delete** may be used to delete a vacation period or period with special days. **Calendar** opens a window for viewing part of the current year's calendar:

				<			-		>						
							_								
October	P H S		PHS		PI	H S		Р	н		Р	н		Р	н
01 Wed.		01 Sat.		01 Mon.			01 Thu.			01 Sun.			01 Sun.		
02 Thu.		02 Sun.		02 Tue.			02 Fri.			02 Mon.			02 Mon.		
03 Fri.		03 Mon.		03 Wed.			03 Sat.			03 Tue.			03 Tue.		
04 Sat.		04 Tue.		04 Thu.			04 Sun.			04 Wed.			04 Wed.		
05 Sun.		05 Wed.		05 Fri.			05 Mon.			05 Thu.			05 Thu.		
06 Mon.		06 Thu.		06 Sat.			06 Tue.			06 Fri.			06 Fri.		
07 Tue.		07 Fri.		07 Sun.			07 Wed.			07 Sat.			07 Sat.		
08 Wed.		08 Sat.		08 Mon.			08 Thu.			08 Sun.			08 Sun.		
09 Thu.		09 Sun.		09 Tue.			09 Fri.			09 Mon.			09 Mon.		
10 Fri.		10 Mon.		10 Wed.			10 Sat.			10 Tue.			10 Tue.		
11 Sat.		11 Tue.		11 Thu.			11 Sun.			11 Wed.			11 Wed.		
12 Sun.		12 Wed.		12 Fri.			12 Mon.			12 Thu.			12 Thu.		
13 Mon.		13 Thu.		13 Sat.			13 Tue.			13 Fri.			13 Fri.		
14 Tue.		14 Fri.		14 Sun.			14 Wed.			14 Sat.			14 Sat.		
15 Wed.		15 Sat.		15 Mon.			15 Thu.			15 Sun.			15 Sun.		
16 Thu.		16 Sun.		16 Tue.			16 Fri.			16 Mon.			16 Mon.		
17 Fri.		17 Mon.		17 Wed.			17 Sat.			17 Tue.			17 Tue.		
18 Sat.		18 Tue.		18 Thu.			18 Sun.			18 Wed.			18 Wed.		
19 Sun.		19 Wed.		19 Fri.			19 Mon.			19 Thu.			19 Thu.		
20 Mon.		20 Thu.		20 Sat.			20 Tue.			20 Fri.			20 Fri.		
21 Tue.		21 Fri.		21 Sun.			21 Wed.			21 Sat.			21 Sat.		
22 Wed.		22 Sat.		22 Mon.			22 Thu.			22 Sun.			22 Sun.		
23 Thu.		23 Sun.		23 Tue.			23 Fri.			23 Mon.			23 Mon.		
24 Fri.		24 Mon.		24 Wed.			24 Sat.			24 Tue.			24 Tue.		
25 Sat.		25 Tue.		25 Thu.			25 Sun.			25 Wed.			25 Wed.		
26 Sun.		26 Wed.		26 Fri.			26 Mon.			26 Thu.			26 Thu.		
27 Mon.		27 Thu.		27 Sat.			27 Tue.			27 Fri.			27 Fri.		
28 Tue.		28 Fri.		28 Sun.			28 Wed.			28 Sat.			28 Sat.		
29 Wed.		29 Sat.		29 Mon.			29 Thu.						29 Sun.		
30 Thu.		30 Sun.		30 Tue.			30 Fri.						30 Mon.		
31 Fri.				31 Wed.			31 Sat.						31 Tue.		
arat.	Date		D . D. 4	lic holiday		: Holid		s	. 6	elel			or rue.		_

Holidays tab

acations Special Holidays			
Name	✓ Enable Definition	the public holidays State	
Nouvel An	01 January , recurring		Load publ
Lundi Pâques	Easter + 1 day, recurring	 Image: A set of the set of the	
Fête du Travail	01 May , recurring	 Image: A set of the set of the	+ New
Victoire 1945	08 May , recurring	✓	
Ascension	Ascension day, recurring	 Image: A set of the set of the	11 Modify
Lundi Pentecote	Pentecost + 1 day, recurring	> > >	- Delete
Fête Nationale	14 July , recurring	 Image: A start of the start of	- Delete
Assomption	15 August , recurring	 Image: A start of the start of	Calenda
Toussaint	01 November , recurring	 Image: A start of the start of	
Armistice Noël	11 November, recurring 25 December, recurring	>	ôbî Options

The list of public holidays is defined by country. The **State** checkboxes indicate that public holidays are active in the programming.

To amend the list of public holidays, click Load public holidays:



New may be used to create a new holiday period or period with special days.

Modify may be used to modify a holiday period or period with special days.

Delete may be used to delete a holiday period or period with special days.

Calendar opens a window for viewing part of the current year's calendar (see the previous page). **Options** opens a window for listing public holidays which fall on a weekend or on a Monday.

<u>_</u>		
	Substitute day	
		V OK X Cancel

To copy programming, you must:

1/ Click Advanced planning.

♠ 🔁	6 8				
	iave to PC Save to Sigma				
nning 🗰 🔳	Day Week Month O Display t	he working week O Display the entire week			Today
Calendar 💝			21 - 25 June IIIII	>	Con
M T W T F S S				*	
31 1 2 3 4 5 6			building a		
7 8 9 10 11 12 13	Monday 21 (June) 7:00	Tuesday 22	Wednesday 23	Thursday 24	Friday 25
14 15 16 17 18 19 20 21 22 23 24 25 26 27					
28 29 30 1 2 3 4					
5 6 7 8 9 10 11	8:00				
Groups 💝					
01 : building a 🗸					
02 : building b	9.00				
Zones 💝					
Circuits 🌫					
	11:00				
	12:00				
	13:00				
	14:00				
	15:00				
	16:00				
Vacations and public holidays	10.00				
Advanced planning					
	17:00				
Configuration					
Configuration Utilisation	18:00				
Planning					

2/ Select the circuit containing the source of the programming to be copied using the drop-down menu.

3/ Select the event to be copied.

4/ Select the destination circuit on which the programming will be replaced or added.

P	ying a progra	im								
ou	rce Z01 : hall			۳						
/en	t to be copied				Dest	ination				
•	Туре	DAy	Action	÷		No.Zone	Name	Number of steps	+	Replace
~	Hebdo	LMMJV	Mélodie 1	1		Z02	corridor	3	+	Add
						Z03	room 1	0		Aut
						Z04	room 2	0		
	4		•	1						
	•		,							

4. Installation in an IP environment

4.1 Choice of IP environment

- o Communication mode.
- o Multicast address setting (master clock emission address).

1/ Select the communication mode by clicking the drop-down menu (Configuration > Sounders and relays):

noice of the environment					
IP environment ▼	Multicast adress				
None DHF environment					
IP environment					

IP Environment enables the master clock to control devices through Ethernet network.

2/ Set the master clock emission address by clicking Multicast Address:

a	×
IP broadcast cor	ifiguration
Multicast address	239 . 192 . 55 . 1
	✓ Validate × Cancel

N.B.: this multicast address must be identically entered into all web servers of the products found on the network.

Creation of zones and groups for Harmonys, Harmonys Trio and IP relays

In this space, the user and/or installer will create zones and groups of sounders, as well as zones of IP relays.

Zone creation may be used to control (same command sent) several sounders found on the network identically. Group creation may be used to control several sounder zones identically. IP relay zone creation may be used to activate all relays simultaneously.

To allocate a network device to a zone, see the next chapter.

Creating a zone1/ Select the Zone tab.2/ Click Add.

<u>_</u>			- • •
Zone			
	Zone	zone 5 - zone 5	•
1	Name	zone 5	
		Validate	× Cancel

3/ Select the zone using the drop-down menu and give the zone a name. 4/ Validate.

• Renaming a zone

1/ Click Rename or double click the zone name.

one Group Relay		
Zones	Name and location	+ Add
1	hall corridor	↑↓↑ Rename
3	room 1	- Delete
4	room 2	

o Deleting a zone

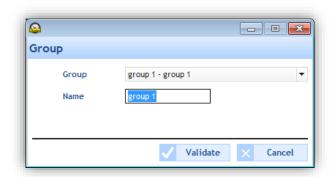
- 1/ Select the zone to be deleted.
- 2/ Click Delete.

N.B.: there is no delete confirmation window for this action. As soon as you click Delete the zone is deleted.

0	Creating	а	arou	D
<u> </u>	oroaning	~	9.00	~

1/ Select the Group tab.

2/ Click Add.



3/ Select the group using the drop-down menu and give the group a name.4/ Validate.

• Renaming a group

1/ Click Rename or double click the group name.

Zone Group Re	lay		
Groups	Name and location	Zones	+ Add
1	school	All	입하 Rename
			- Delete
			입하 Select zon

• Select a zone in a group

Select the group whose zones will be associated.
 Click Select zones.

Q		×
Select zones : school		
O All circuits		
O All selected circuits		
O All except selected circuits		
Zones		
All None		
Zone 1 - hall Zone 2 - corridor Zone 3 - room 1 Zone 4 - room 2		
	Validate 🗙	Cancel

3/ Select among those previously created the zones to be associated.

- o Deleting a group
- 1/ Select the group to be deleted.
- 2/ Click Delete.

N.B.: there is no delete confirmation window for this action. As soon as you click **Delete** the group is deleted.

<u></u>		- • •
IP relay		
IP relay Name	ip relais1 - ip relais 1 ip relais 1	•
	Validate	× Cancel

3/ Select the zone using the drop-down menu and give the IP relay zone a name. 4/ Validate.

• Renaming an IP relay zone

1/ Click Rename or double click the name of the IP relay zone.

Harmonys and IP relays						
Zone Group Relay						
Relays	Name and location	+ Add				
1	ip relais 1	입다 Rename				
		— Delete				

• Deleting an IP relay zone

1/ Select the IP relay zone to be deleted.

2/ Click Delete.

N.B.: there is no delete confirmation window for this action. As soon as you click **Delete** the IP relay zone is deleted.

4.2 IP devices I Network and product configuration

This menu may be used to identify all products found on the network. Devices are sorted by product family: Harmonys, Harmonys Flash, Microphone, Control Box and Relays.

This is the menu in which the devices found on the network will be allocated to a zone: Configuration > IP devices.

Identification of a product on the network

1/ Select the product line to be identified.

2/ Click 🖸

3/ When it is selected (), the product should identify itself (by product type: emission of a sound, LCD screen flashing, product flash, LED flashing).

Configuration of a product on the network

1/ Select the product to be configured from the list.

2/ Click Network.

etwork confi	guration	
Product name	BODET-000B840497AC	
	Enable DHCP	
IP Address	192.168.0.100	
Subnet Mask	255.255.255.0	
Gateway	192.168.0.1	
DNS	192.168.0.2	

It is possible to modify the device name for simpler identification (ex.: using the device's location). If your arrangement has a DHCP server, we recommend that you tick the box **Activate DHCP**.

Otherwise, enter the addresses to connect the device to your configuration's network: The parameters 'IP address', 'subnet mask', 'gateway' and 'DNS' from the last entry are stored. On the following hardware, when the DHCP box is left unticked, the fields 'IP address', 'subnet mask', 'gateway' and 'DNS' are automatically filled with the saved settings.

Note: When using the multizone microphone, it is necessary to assign a fixed IP address by Harmonys via manual entry or to use a DHCP server with reservation of the IP address by the product MAC address.

3/ Confirm.

The device restarts, emits its identification (according to the product type: refer to the product manual) and the list of devices on the network has been updated.

Access to a product's imbedded web server

1/ Select the product to access its web server in the categorised list.

2/ Click Web browser access.

3/ Refer to the corresponding product instructions for details on a product's web server.

Configure a product

• Harmonys, Harmonys Trio, Harmonys Flash, Relays

- 1/ Select the product you want to assign to a zone.
- 2/ Click Parameters.

3	– 🗆 X
Parameters	
Zone	1 - z1 building a1 🔻
Volume	Level 7 💌
Display	HH:MM 🔻
Display luminosity	Level 3 🔹
Flash luminous intensity	75% 🔻
	idate 🗙 Close

3/ Using the drop-down menu, select from the zones previously created the one into which you want to assign the product.

From this window, it is also possible to make specific settings for each type of product:

- Harmonys: volume,
- Harmonys Trio: volume, display, display luminosity, flash luminous intensity,
- Harmonys Flash: flash luminous intensity,
- Relay: assignment to an IP relay zone (A, B and C).

o 8 Zones Microphone

1/ Select the Microphone whose buttons you want to program from the list of inventoried products. 2/ Click **Parameters**.

😂 Keys ass	ignment
	Z. 1 · z1 building a1
\bigcirc	None
2	Zone
\cup	Z. 1 - z1 building a1 Z. 2 - z2 building a2 Z. 3 - zone 15
	Z. 3 - Zone 15 Z. 4 - zone 51 Z. 5 - zone 61
\bigcirc	Z. 6 - zone 78
4	Z. 7 - z3 building b Group
\cup	G. 1 - group a
()	Al 👻
$\tilde{}$	
(•)	Al 👻
	AL 👻
$\tilde{\mathbf{O}}$	
(\cdot)	AL 👻
	✓ Validate 🗙 Cancel

3/ Allocate a zone or group to a microphone button.

When this is selected, message broadcasting is effective for all products in the zone or group.

• Multizone Microphone

1/ From the list of inventoried products, select the microphone to set up.

Note : It is not possible to make a multiple selection of several multizone microphones.

2/ Click **Parameters.** A windows is displayed to create the directory: the assignment of a 4-digit number for a group, a zone, a Harmonys speaker or a combination of Harmonys speakers or zones.

"0" for	general call	V Include Harmonys		195	Modify
	Number	Name	Information		
		GROUP			
	0100	01 : building a		AL	Save Directory
· (0)	0200	02 : building b			
	0300	03 : building c		2.	Load Directory
		ZONE			
(0]	0101	01 : room a101		+	Manual adding
[0]	0102	02 : room a102		3	Export
- 10	0103	03 : room a103	_		
	0113	BT-BODET-00088404C01C	2		
0	0201	04 : room b101		3	Update
[0]	0202	05 : room b102			
- [0]	0301	06 : room c101			
- 19bc	0311	aBAU-B840540B7			
	0302	07 : room c102			
	1111	MANUAL ADDING			
·····	1111	special zone 1			
	ne items witho				

Check the "0, general call" option to activate the general call function by dialling "0" from the multizone microphone keypad. Note that the number "0000" is unavailable for the other elements.

Check the "Include Harmonys" option to show the Harmonys speakers assigned in each zone.

Activating this option is necessary to assign a number to a single Harmonys speaker.

Check the "Mask the items without number" option to hide items for which a number has not been assigned.

Note that a zone without a number will be displayed if at least one Harmonys in the zone has a number assigned.

3/ To assign a number to a group / a zone / a Harmonys speaker, select it and click on the modify. Enter a 4-digit call number. This number will be assigned. Limit: 500 numbers max.

<u></u>	>
Modification	
Number 0311	Name aBAU-B84054087
Number - Add Record	
1111 - special zone 1	
1111 - special zone 1	

If a Harmonys speaker is also assigned in a "manual adding", the number will be visible in the "Number – Add Record" window.

If a zone is also assigned in a "manual adding", the number will be visible in the "Number – Add Record" window. **Note :** the number name is inherited from the group or the Harmonys.

4/ Thanks to the manual adding, it is possible to create combinations of zones or Harmonys speakers (up to 4 Harmonys) in order to expand the calling possibilities. It is possible to include Harmonys speakers or zones that already have a number or are already in other "manual adding".

To create a manual adding, click + Manual adding.

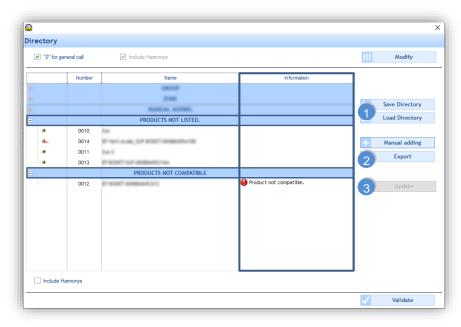
dd m	anually				
Name	special zone 1		Number	1111	
Mode:	Harmonys	-			
	Harmonys Zone		aBAU-B840540B7		
BAU-H BT-BOI BT-Jau BAU-B BAU-B	F-00088409821B -8999 DET-00088404C01C une-NSUPBODET-000884054089 DDET-000884053706 8408EA61 884054087	→	BT-BODET-000B84	04C01C	
BE BO	DET-000B84053FB2	*			

Choose if the "manual adding" is dedicated to a zone or speaker combination (Harmonys / zone mode). From the list of zones or speakers, assign them to the new combination using the arrows. Enter a name and a 4-digit call number. The name of a "manual adding" can be modified. We recommend to use names of less than 12 characters.

When a Harmonys speaker is used in by at least one "manual adding" number, this pictogram appears on its line:

		ZONE	
	0101	01 : room a101	
	0102	02 : room a102	
e 🝥	0103	03 : room a103	
	0113	BT-BODET-000B8404C01C	@ ^{**}
· [0]	0201	04 : room b101	
···[0]	0202	05 : room b102	
= 🝥	0301	06 : room c101	
Boc	0311	aBAU-B840540B7	@ ^{**}

Note : From the main "Directory" window, several features are available :



1 Save Directory / Load Directory :

Use these buttons to load and save a directory of numbers in order to be able to:

- duplicate the directory to one or more other multizone microphones,
- create a backup save which can be loaded from the Sigma software to restore the directory of a microphone. We recommend to make a save after each directory modification.

2 Export (PDF / Excel) :

Use this button to export the directory of numbers in order to print it for a multizone microphone user. Note that this export is not a backup and can't be loaded in a multizone microphone.

3 Update :

By default, the button is inactive. If an inconsistency is displayed between the SIGMA configuration and that of the microphone on a selected line, the button is activated and allows the entry to be updated based on the information contained in the configuration of SIGMA or information from the last inventory.

"Information" column :

During the configuration, if inconsistencies or errors are detected about the SIGMA configuration or the products used, an error message appears in this column on the corresponding line.



Refer to Appendix 2. Error log - Multizone microphone to interpret and correct errors.

"Unknown zone" message :

This message appears for a zone unknown by SIGMA or by the microphone but containing one or more Harmonys speakers listed. You cannot assign a number to an unknown zone.

"Products not listed" section :

Harmonys speakers with an assigned number but not detected during the inventory will appear in this section. In addition, if an IP address is reassigned to a non-Bodet product, the Harmonys speaker previously detected will also appear in this section. If there is no anomaly, this section does not appear.

"Products not compatible" section :

Between 2 sessions, if an IP address assigned to a Harmonys speaker broadcasting audio and having a number is assigned to another Bodet product unable to broadcast audio and responding to the inventory, then, this other Bodet product (microphone, control box,...) will appear in this section. If there is no anomaly, this section does not appear.

• Control box

1/ Select the control box you want to configure.

2/ Click Assign config..

<u></u>	- • ×
Configuratio	n assigment
0flow-bloc	A
Configuration	A A B

3/ Select the configuration you want assigned to the control box using the drop-down menu.

Two configurations are possible: A or B.

These may be set from the Utilisation menu.

Saving or loading a configuration

To gain access to configuration saving or loading (ensure that the buttons are not greyed out), use the checkbox corresponding to the product.

Save config.: to save the product settings in a storage space. This configuration may then be loaded for another product on the network (for the same product family).

Load config.: to load a previously saved setting.

Update

To gain access to product updating (ensure that the button is not greyed out), use the checkbox corresponding to the product.

Update to import a product update file (.BOD file).

Export the list

Export: to export the list of products found on the network. Export includes all product families (Harmonys, Harmonys Flash, Microphone, Control box or Relays).

Two export file formats are proposed:



N.B.: So may be used to update the inventory of products found on the network.

4.3 IP device utilisation

The **Utilisation** menu relates to all settings associated with the devices found on the network (Harmonys, Microphone, Control box).

Access to the Utilisation menu

1/ Click Utilisation in the navigation bar (it goes yellow when selected):

In the left-hand side pane of the menu, 3 submenus list the devices found on the network by family:

- Harmonys / Harmonys Trio
- > Microphone
- Control box

In the pull down Harmonys menu the **Harmonys Trio** appear with the letters abc. In this menu it is possible to manage (add, change, delete, load to a PC, rename, etc.) melodies on one sounder or a zone/group of Harmonys sounders.

Management of melodies on a single Harmonys sounder or Harmonys Trio

1/ Select a Harmonys or Harmonys Trio sounder.

By default, on first use, a list of melodies is saved in the product (see Appendix page 60)

😂 SIGMA - N	New.sig							- 0	- ×
SIGMA F	ile Test	Optie	ons Help						
#	۱		6	1		6			
Home	Disconnect		Save to PC	Save to Sigma	Alarms	Firmware			
Utilisation		ø	Harmony	s Trio : BODET	-000B84053FB5				
	monys		Associate	ed with zone N	lo 1 - trio				
oups 01 : ecole			Association	ed with 20he h	0.1 010				
01 : ecole 02 : materne	ala								
02 : materne									
ones	~			lo.	File	Flas	Message + Add		
- 🚺 🛛 Al the zor	nes			1 Enbois.mp3		Enab			
- 🚺 01 : trio				2 Congas.mp3		Enat	11 Modify		
	DET-000B84053FB5			3 Whistle.mp3		Enab	- Delete		
- 🚺 02 : mural				4 Malice.mp3		Enat			
	DET-000884099339			5 Plaine.mp3		Enat	At Save as		
Micro	ophone			6 Syntaxe.mp3		Enat			
IP B	uttons			7 Bottle.mp3		Enab			
Configuratio	on A			8 Entree.mp3		Enat			
Configuratio	on B			9 Technique.mp3		Enat			
				10 Programme.mp3 11 Aurore.mp3	3	Enat			
Sequences	management			11 Aurore.mp3 12 Produit.mp3		Enat			
				13 Carillon musical.	L mp3	Enab			
				14 Sonnette Jectri		Enab			
				15 Xylophone aigu		Enab			
				16 Carillon rapide.		Enat			
			1.1	17 Vibrato.mp3		Enat			
A Carlo				18 Carillon fin.mp3	3	Enat	Fin des cours		
Configura	ation				ttentat-Intrusion avec s		INTRUSION		
-		11111			abri et confinement ave		CONFINEMENT		
🔥 Utilisatio	on				ion avec signal.mp3	Enab	EVACUATION		
		//////			ssage_female_voice.mp		EVACUATION EVACUATION Advanced		
Planning					ssage_male_voice.mp3	Enab	141		
			A	30 silence_10s.mp3	3	Enab	Aerte silencieuse settings		
🥕 Broadcas	st								
onnected to "VA	ALISE Harmonys	Trio N	VKT" (192.16	8.0.10 - V1.1E16 03	3/05/2019)			Wednesday 20 May 2020 12:0	:03

2/ Click - to select the melody to be imported.

3/ Specify the number of the melody using the arrows 🔄 (the number of a new melody must be different to an existing number).

. to load a new melody into the Harmonys sounder.

9		×
Add a m	elody	
Melody I	number [🛃 😓	
File	No mp3 file	
✓ Melo	dy complete	
Message	No message	
✓ Flash	1	
		✓ Validate × Cancel

- Click on to select the melody to be added to the melody number.
- A 50 characters max message can associated to the melody number.
- The tick box Flash enables the activation of the flash when the melody is played.

The audio files can be partially added.

Ex.: it is possible to select only 5 seconds out of a 45 seconds audio file (for example from the 20th second to second 25th second).

Select the melody to be added and uncheck the tick box Melody complete. The following windows opens up:

e				×
Add a melody				
Melody number 24				
File D:\NewChine.mp3				
Melody complete				
₩₩				-
Start	Move the cursors to select	the start and end of	I the melody	 End
Sélection				
Start 00:00.00 End 00:27.00 Length 00:27.00				
No message				
 Flash 				

Selected the zone to be kept using the beginning and end cursors.

	٠	to	edit	or	remove:
_	•	ιU	cuit	U.	remove.

- The audio file (MP3 format)
- The text message (Harmonys Trio)
- Enables or disables the Flash (Harmonys Trio)
- To rename the audio file

However the melody number remains unchanged.

Selite a maalaadu			>
Edit a melody			
Melody number 4			
Melody complete			
Message No message			
✓ Flash			
		Validate	× Cancel

Delete

Modify

: to delete a selected melody. A confirmation window opens to validate the selection once and for all:



<u>A</u>	Save as	: to save the selected melody in a storage space (computer, etc.).
184	Advanced settings	restores product configurations (see 4.2 IP device Network and product configuration).

N.B.: The melodies can be downloaded from the Mybodet platform by clicking here: Download melodies

Management of melodies, messages and flashes in a zone or a group of Harmonys and Harmonys Trio sounders

1/ Select a zone or group of sounders (e.g.: "01-Trio" zone selected. 1 Harmonys Trio sounder may be found in this zone):

> Grouped sending of a melody with or without message and flash

This setting may be used to load a single melody with or without a message and flash into all the Harmonys and Harmonys Trio sounders of a zone or a group. If one melody is already present on a target product it will be removed and replaced by the new one.

1/ Indicate the melody number,

- 2/ Select the melody by clicking on .
- 3/ Type in the message that you with to associate with the melody,
- 4/ Check the Flash tick box if a flash must be associated with the melody
- 5/ Click on Send

SIGMA - N	vew.sig						- []	×
SIGMA F	ile Test	Opt	ions Help					
#	1		F	1	1	6		
Home	Disconnect		Save to PC	Save to Sigma	Alarms	Firmware		
Utilisation		9	Harmony	s zones :trio				
Groups	monys							
01 : ecole			Group se	ending of a me	ody Group s	ending of meloo	lies	
02 : materne	elle •		Melody n	iumber 1			Send	
Zones			Message	No messo	ie			
- 01 : trio			Flash	~				
(BOD) 02 : mura	ET-000884053FB	5						
	ET-00088409933	9	Concerne	ed groups:				
	ophone uttons		01 : ecole			Advanced		
E Configuratio			02 : mate	rnelle		settings		
Configuratio	on B							
Sequences	management		-					
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	a					
Configur	ation							
Utilisatio	on							
Planning								
CA Broadcas	t							
Connected to"V	ALISE Harmon	iys Trio	MKT" (192.16	8.0.10 - V1.1E16 0	(05/2019)		Wednesday 20 May 2020 12:0	6 _{.1}

> Grouped sending of several melodies with or without messages and flashes

This setting may be used to copy several melodies from one Harmonys sounder or melodies, messages and flashes from one Harmonys Trio to another product in the same zone or in the same group.

1/ Select the source Harmonys or Harmonys Trio sounder using the drop-down menu (you will find the Harmonys sounders found in your zone or group).

2/ Select the melodies, from the source sounder, that you want to copy.

4/ Click on

3/ Select the destination Harmonys or Harmonys Trio sounder(s) (you will find all Harmonys or Harmonys Trio sounders p in your zone or group, except the source sounder).

to start the copy process.

SIGMA - New.sig П X SIGMA File Test 1 6 1 F 1 # ave to PC Utilisation ֎ All the zones Group sending of a melody Group sending of melodies)1 : ecole BODET-000B84053FB5 (addr. IP:192.168.0.12) 03 : primaire Select a source Harmonys All the zon Melody selection on of the receiving H Flash 70 ID Addros BODET-**X X X X X X X X X X X X X X X** 1 Enbois.mp3 BODET-000884099339 192.168.0.11 Enable Enable Enable Enable Enable Enable Enable Enable Enable 0 2 Congas.mp3 3 Whistle.mp3 4 Malice.mp3 5 Plaine.mp3 6 Syntaxe.mp3 7 Bottle.mp3 8 Entree.mp3 9 Technique.mp 19 BODET-00 Microphone IP Bu Configuration A Sequences managemen 10 Programme.n 11 Aurore.mp3 12 Produit.mp3 13 Carillon music Enable Carillon musical.mp Enable 14 Sonnette ,lectrique , 15 Xylophone aigu .mp3 16 Carillon rapide.mp3 17 Vibrato.mp3 Enable Enable Configuration Enable Enable 18 Carillon fin.mp 📷 Utilisation Delete the data in memory before copy Planning Broadcast Connected to "VALISE Harmonys Trio MKT" (192.168.0.10 - V1.1E16 03/05/2019) Wednesday 20 May 2020 12:07

N.B.: it is possible to erase the melodies from the destination Harmonys sounder(s) memory before launching a copy process. To do this, check the box **Delete the melodies in memory before the copying**.

At any time, it is possible to review the allocation of your device to zones or groups by clicking the button **Advanced** settings (see <u>Sounders and relays I Creation of zones and/or groups</u> page 17).

N.B.: The melodies can be downloaded from the Mybodet platform by clicking here: Download melodies

i

In the **Microphone** menu, it is possible to set the parameter of the jingle and to archive the messages.

Home	Disconnect	Save to PC	Save to Sigma	file Aarms				
ilisation		e IP Micr	ophoneBODET-00	00884049814				
Harm	ionys	Jingle						
Micro BODET-00088 MICRO-MKT BODET-00088 BODET-00088	4049169	Archiv	 Play the jingle ing the messages 	Volume 5 🗢 👔	111	Modify		
500ET-00088			Archive the record					
IP Buttons		*	Archive the live me					
Configuration					Filename			
A BODE 1-00066	4047042	A	MESSAGE_00111_MP3					 Save as
			MESSAGE_00112.MP3 MESSAGE_00113.MP3 MESSAGE_00114.MP3				Delete	
			MESSAGE_00115.MP3					
			MESSAGE_00116.MP3					
			MESSAGE_00117_MP3 MESSAGE_00118_MP3					
			MESSAGE_00119.MP3					
			MESSAGE_00120.MP3					
Sequences n	nanagement							
		111110						

Setting up the jingle

The jingle is a musical theme which introduces a live or saved audio broadcast. It is possible to:

- Enable or disable the jingle by ticking or unticking the checkbox.
- Configure the volume using the buttons (8 = very loud, 1 = very soft, default value = 5).
- Listen to the jingle locally (on the computer speakers) using the button PA.

Modify may be used to load a new jingle into the microphone.

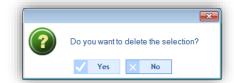
Archiving of messages

Using the checkboxes, it is possible to:

- Archive the messages recorded from the microphone (stored in the product memory).
- Archive the messages broadcasted live from the microphone using the button (see microphone instructions, ref.: 607723).

Save as may be used to save the selected message (.mp3 file) in a storage space (computer, etc.).

Delete may be used to delete 1 or more (if several messages are selected) archived messages. A confirmation window opens to validate the selection once and for all:



Send may be used to copy your configuration into the microphone. The update is instantaneous.

The Control box menu may be used to set up both configurations (A and B) for the IP Control boxes.

Harmonys 🗧	Buttons - Configuration A					
6						
Microphone 3	lutton 1 Button 2 Button 3 Button 4	Button 5 Button 6 Button 7 Button 8		Cxtensio		
IP Buttons 👋	tode ON/OFF ·					
Configuration A	2.3					
	Circuits, zones, and groups selecti	on				
	 Everything The entire selection Everything but the the selection 	Circuits, zones and groups - 01 : circuit 01 - 02 : circuit 02 - 03 : circuit 03 - 03	Selection 01 : circu 02 : circu 03 : circu 04 : corr 05 : corr	at 02 at 03 ridor m 1		
	Alarm		Melody cricuit			
Sequences management	Activate / Deactivate the se	Melody	Melody • 1 💭 闷 vol 5 🕏			

If you have a 4-button control box extension, tick the **Extension** checkbox.

Modes	Relay circuit	Melody circuit		
PROG	Activate/deactivate the program of the selected relay circuits	-		
ON	Selection of the duration	Select the number of repetition (loop on the ON)		
ON/OFF	Activate / deactivate the selected relay circuits	Select the number of repetition (loop of ON/OFF)		
OFF	Deactivate the relay circuits manually controlled by this configuration	Stop the melodies manually controlled by this configuration		
OFF global	Deactivate the manually controlled relay circuits	Stop the manually controlled melodies		

The **Repeat over again** checkbox allows the triggering of the « Lock down » alarm in a loop in an installation without a Sigma master clock (IP button must be configured as Independent in its embedded web server)

Note : the operation of the ON/OFF mode necessarily requires a second press for OFF. If you do not proceed to the OFF of the ON/OFF mode, unwanted bells may occur.

Refer to Appendix <u>3. Audio broadcast priority order</u> to find out about the prioritization between Button Box and microphone.

4.3.5 Sequences

A sequence is an association of several melodies.

For a sequence, it is possible to define:

- The melody selection (from those saved in the Harmonys sounders).
- The number of times the melody will be repeated in the sequence.
- The length of the silence between each melody in seconds.

1/ Click Sequences management.



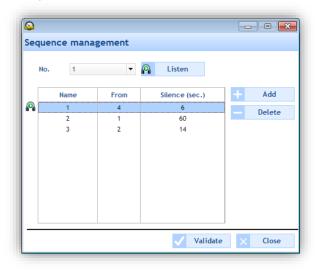
Sequence creation

- 1/ Click Add (a new window opens).
- 2/ Add a melody by clicking Add.
- 3/ Enter the melody number (from the 18 melodies saved in the Harmonys sounder, see Appendix page 60).
- 4/ Indicate the number of times it will be repeated.
- 5/ Indicate the duration of the silence in seconds.

Listen to your configuration locally by clicking the button P in the line created.

To add other melodies to your sequence, start again from step 2.

Listen to your full sequence by clicking Listen.



To add other sequences, repeat the 5 steps above.

4.4 Planning a broadcast

The Planning menu may be used to create audio events.

Access to the Planning menu

1/ Click Planning in the navigation bar (it turns yellow when selected).

4.4.1 Handling the calendar

Before starting the configuration of an audio or relay event, a few steps need to be taken in planning the broadcast of bells.

1/ Click on a date in the date navigator (mini-calendar which you will find at the top left of the taskbar):

Calendar 🏻 🗸							
∢	October						
М	т	w	т	F	s	s	
29	30	1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31	1	2	
3	4	5	6	7	8	9	

2/ Select a group or zone or circuit for displaying the schedule.

Once the calendar appears, you can use the buttons found at the top of the window to navigate the calendar and display or hide details:

	SIGMA - Nev	w.sig		×
SI	IGMA File Te	est Options Help		
	Home	Disconnect	Save to Signa Aarms 3	6
P	Planning	tit i	Day Week Month O Display the working week O Display the entire week Today	181
	C	alendar		-
	 ↓ 	anuary 🕨 🕨	● New • < 12 - 16 January > Comm	ent
	МТ	WTFSS		
	29 30 3	31 1 2 3 4		
	5 6	7 8 9 10 11		
	12 13	14 15 16 17 18	•	
	19 20 2	21 22 23 24 25		
	26 27 2	28 29 30 31 1		
	2 3	4 5 6 7 8		

Click it to display the scheduling in calendar mode or is for a display in list mode.

2 Click **Day**, **Week** or **Month** to go from one view to another quickly.

3 These buttons may be used to display or hide days or details according to the view selected.

(d) <"date" > may be used to move around the calendar quickly.

5 Today may be used to quickly return to "day D" no matter which day you are on in the calendar.

6 Set up scheduling using 🚻:

e	
Planning parameters	
Time precision : O Minute C	Second
Working week	
First day of the week:	Monday 🔻
Number of working days:	5
Working day	
Start: 08:00 🔻	End: 18:00 🔻
Weekly rest day	Sunday 🔻
	✓ Validate × Cancel

Display the scheduling legend using the Legend button:

	Comment
	Type of step
	Weekly Holidays Special Public Holiday Periodic Astronomical
	Additional
	Partial execution
Enable or disable the programming of the zo	one(s) or group(s) using the ${}^{\otimes}$ or ${}^{\otimes}$ buttons.
Create a new audio or relay event using the	New or the P New button.

Now that your calendar is displayed on screen, you can start your planning. To plan the broadcasting of an audio or relay event, you must:

1/ Select the week from which you want to start planning.

2/ Select the group and/or zone and/or circuit you want to program.

3/ Click **New** (or double click an empty space in the scheduling timescale, in calendar mode only). The following window opens (depending on the type of event):

	gro	upe 1 🗾	circuit 01
Action Melody Melody	v No. 1	🗘 x 1 🗘 🖓 Volume 5 🕏	Action Duration v Duration (s) 5
When Hour Days Type	e 11:00 Mo Tu We Th Fr Sa St V V V V V Holidays Special Public Holiday Additional step	Date range Start 01/01/2015 ▼ End 31/12/2015 ▼ Interval	When Hour Idstd Days V V V V S Type Weekly Holidays Special Public Holiday diditional step
	 Astronomical Recurring 	From 11:00 to 16:00	Astronomical

It is possible to rename your zone/group or relay by right clicking the scheduling timescale (calendar mode), clicking **Modify** (list mode) or clicking the *scheduling* button.

3/ In the Action zone, using the drop-down menu:

- Audio event: select the type of audio source followed by its number (see <u>Appendix</u> page 60), the number of times it will be repeated and its volume. Listen to the melody or sequence locally by clicking the button.
- Relay event: select the type of action:
 - **ON**: may be used to activate the circuit over the timescale programmed.
 - **OFF**: may be used to deactivate the circuit over the timescale programmed.
 - Duration: may be used to activate the circuit for a given duration in seconds over the timescale programmed.

N.B.: to create a sequence, refer to page 48. To set a circuit, refer to page 18.

4/ In the When zone, select the broadcast start time, days and type of frequency:

- Weekly: enables the steps of all weeks on the days and at the times selected, over X years.
- **Holiday**: enables the steps only if they are included in the calendar. Weekly mode takes priority.
- **Special**: enables the steps only if they are included in the special days calendar. Weekly and Holiday modes take priority.
- **Public holidays**: Enables the steps only if they are included in the public holidays calendar. Sunday programming takes priority.
- Additional step: broadcasting takes place every week, according to the selected days, over a defined period (Date period).
- **Astronomical**: may be used to programme the circuit activation/deactivation timescale according to solstice settings.
 - e.g.: switching a light on or off according to sunrise and sunset.
- **Periodic**: may be used to add an additional step (see above) over a timescale defined with intervals (repetition) in hours/minutes/seconds.

5/ Click **Validate**. The planned slot appears in your calendar in a colour corresponding to your configuration (see **Legend**).

6/ In the case of a new relay event, enable/disable the circuit using the _/ _ or _/ _ buttons.

In Calendar mode, right clicking the planned slot may be used to:

- Add an audio event.
- Modify the created event.
- Delete the created event (or left click + Del).
- Rename the zone or group allocated to the planning.

Priority during event creation

When creating an event:

- If a single schedule is open, adding a new event is effective in the selected schedule.
- If several schedules are open:
 - Click the schedule timescale to which you want to add a new event (otherwise, by default, creation will be effective in the schedule furthest to the right of the screen).

It is possible to create several events in a single slot (and it is possible to add one or more exceptional days).

4.4.3 Setting up vacations and holidays

To set up vacations and holidays, you must:

1/ Click Vacations and Holidays.

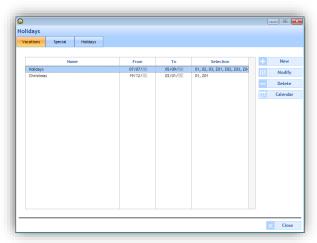
2/ Select Vacations or Special or Holidays by click on the appropriate tabs.

Tabs Vacation and Special (are displayed in the same way).



In **Weekly** mode, holiday periods take priority.

In Vacation and Weekly mode, periods with special days take priority.



New may be used to create a new vacation period or period with special days. **Modify** may be used to modify a vacation period or period with special days. **Delete** may be used to delete a vacation period or period with special days. **Calendar** opens a window for viewing part of the current year's calendar:

							<					>								
											_									
October 01 Wed	Р	H :	5 November 01 Set	Р	н	S	December 01 Map	P	н	S Janu 01 Thu	ary I	РН	IS	February 01.Sun	Р	н	S	March 01 Sup	P	н
01 Wed. 02 Thu			01 Set. 02 Sun		_		01 Mon. 02 Tue			01 Thu. 02 Fe	_			01 Sun. 02 Mon				01 Sun. 02 Man		
02 Inu. 03 Fri.			02 Sun. 03 Mon				02 108. 03 Wed			02 m.				02 Mon. 03 Tue				02 Mon. 03 Tue		
03 Ph. 04 Sat.			03 Mon. 04 Tue.				04 Thu			03 Sat. 04 Sun.				04 Wed				03 Tue. 04 Wed.		
			04 Tue. 05 Wed				04 Thu. 05 Fit			04 Sun. (6 Man				04 Wed. 05 Thu				04 Wed. 05 Thu		
05 Sun. 06 Mon			05 Wed. 06 Thu				05 HI. 06 Sat			05 Mon. 06 Tue				05 Thu. 05 Fri				05 Thu. 06 Fri		
05 Mon. 07 Tue			06 Thu. 07 Fri				06 Sat. 07 Sun			05 Tue. 07 Wed				05 Fri. 07 Sat				06 HI. 07 Sat		
07 Tue. 08 Wed			07 Fri. 08 Sat				07 Sun. 08 Mon			07 Wed.				07 Sat. 08 Sun				07 Sat. 08 Sup		
							08 Mon. 09 Tue							08 Sun. 09 Mon				08 Sun. 09 Mon		
09 Thu.			09 Sun.				09 Tue. 10 Wed			09 Fri.				09 Mon. 10 Tue						
10 Fil.			10 Mon.	-	_					10 Sat.								10 Tue.		
11 Sat.			11 Tue.				11 Thu.			11 Sun.				11 Wed.				11 Wed.		
12 Sun.			12 Wed.				12 Fri.			12 Mon.				12 Thu.				12 Thu.		
13 Mon.	_		13 Thu.				13 Set.			13 Tue.				13 Fil.				13 Fri.		
14 Tue.			14 Fri.				14 Sun.			14 Wed.				14 Set.				14 Set.		
15 Wed.			15 Set.				15 Mon.			15 Thu.				15 Sun.				15 Sun.		
16 Thu.			16 Sun.				16 Tue.			16 Frt.				16 Mon.				16 Mon.		
17 Fri.			17 Mon.				17 Wed.			17 Sat.				17 Tue.				17 Tue.		
18 Sat.			18 Tue.				18 Thu.			18 Sun.				18 Wed.				18 Wed.		
19 Sun.			19 Wed.				19 Fri.			19 Mon.				19 Thu.				19 Thu.		
20 Mon.			20 Thu.				20 Sat.			20 Tue.				20 Fit.				20 Fri.		
21 Tue.			21 Fri.				21 Sun.			21 Wed.				21 Sat.				21 Sat.		
22 Wed.			22 Sat.				22 Mon.			22 Thu.				22 Sun.				22 Sun.		
23 Thu.			23 Sun.				23 Tue.			23 Fil.				23 Mon.				23 Mon.		
24 Fil.			24 Mon.				24 Wed.			24 Sat.				24 Tue.				24 Tue.		
25 Sat.			25 Tue.				25 Thu.			25 Sun.				25 Wed.				25 Wed.		
26 Sun.			26 Wed.				26 Fri.			26 Mon.				26 Thu.				26 Thu.		
27 Mon.			27 Thu.				27 Set.			27 Tue.				27 Fil.				27 Fri.		
28 Tue.			28 Fri.				28 Sun.			28 Wed.				28 Set.				28 Set.		
29 Wed.			29 Set.				29 Mon.			29 Thu.								29 Sun.		
30 Thu.			30 Sun.				30 Tue.			30 Fri.								30 Mon.		
31 Fe							31 Wed.			31 Set.								31 Tue.		

Vacations Special	Holidays				
		✓ Enable	the public holidays		
Name	e	Definition	State		Load publi
Nouvel An		01 January , recurring	✓		holidays
Lundi Pâques		Easter + 1 day, recurring	✓		
Fête du Travail		01 May , recurring	 Image: A set of the set of the	+	New
Victoire 1945		08 May , recurring	 Image: A start of the start of		
Ascension		Ascension day, recurring	~	191	Modify
Lundi Pentecote		Pentecost + 1 day, recurring	 Image: A set of the set of the		Delete
Fête Nationale		14 July , recurring	 Image: A start of the start of		Delete
Assomption		15 August , recurring	 Image: A set of the set of the		Calendar
Toussaint		01 November , recurring	 Image: A set of the set of the		
Armistice Noël		11 November, recurring 25 December, recurring	 	î ê î	Options

The list of public holidays is defined by country. The **Status** checkboxes indicate that public holidays are active in the programming.

To amend the list of public holidays, click Load public holidays:



New may be used to create a new holiday period or period with special days.

 $\ensuremath{\text{Modify}}$ may be used to modify a holiday period or period with special days.

 $\ensuremath{\textbf{Delete}}$ may be used to delete a holiday period or period with special days.

Calendar opens a window for viewing part of the current year's calendar (see the previous page). **Options** opens a window for listing public holidays which fall on a weekend or on a Monday.

	•
Substitute day	
	V OK X Cancel

To copy programming, you must:

- 1/ Click Advanced planning (see page 33).
- 2/ Select the circuit containing the source of the programming to be copied using the drop-down menu.
- 3/ Select the event to be copied.
- 4/ Select the destination circuit on which the programming will be replaced or added.

/en	t to be copied				Destir	ation					
•	Туре	Day	Action	÷		Group No.	Name	Number of steps	+	Replace	P
~	Weekly	MTWTF	Melody 1			Z01	room a101	0	+	Add	
1	Weekly	MTWTF	Melody 1			Z02	room a102	0	+	Add	
1	Weekly	MTWTF	Melody 1			Z03	room a103	0			
1	Weekly	MTWTF	Melody 3			Z04	room b101	0			
•	Weekly	MTWTF	Melody 2			Z05	room b102	0			
•	Weekly	MTWTF	Melody 2			G02	building b	0			
		4									
po	ort/Export s	chedules									

4.4.5 Import / Export a program

To import or export Harmonys programming, use the **Export** and **Import** buttons. Only groups and zones are affected. An export generates an Excel file with one sheet per zone and per group.

4	A	В	С	D	E	F	G	Н	1	J	K	L	M
1	Action	Import	Help										
2	Enabled	Melody / Sequence	No.	Repeat	Volume	Hour	Days	Туре	Start date	End date	Start hour	End hour	Interval
3	On	Melody	1	1	5	09:00	MTWTF	Weekly					
4	On	Melody	1	1	5	10:00	MTWTF	Weekly					
5	On	Melody	1	1	5	11:00	MTWTF	Weekly					
6	On	Melody	3	1	5	12:00	MTWTF	Weekly					
7	On	Melody	2	1	5	14:00	MTWTF	Weekly					
8	On	Melody	2	1	5	15:00	MTWTF	Weekly					
9	On	Melody	2	1	5	16:00	MTWTF	Weekly					

It is possible to make modifications to the ringtone programming from this Excel file or by generating an Excel file from a third party software. To do this, the computer language described in the "Help" sheet of the Excel file generated from the SIGMA software must be respected.

Save by renaming the file and make an import in Sigma via the **Import** button to load the modifications made from the Excel file.

Note: The Excel file can be generated automatically by using Excel formula or from a third party software.

4.5 Live broadcast management

The Broadcast menu may be used to broadcast, live, audio from the computer to sounders found in a zone or group.

This menu is only available for the following operating systems: Windows 7, Windows 8 and Windows 10.

Access to the Broadcast menu

1/ Click Broadcast in the navigation bar (it turns yellow when selected):

Broadcasting a sound to a zone or group

1/ In the menu on the left, select the zone and/or group of sounders to broadcast audio from the computer live.

Zones	
hall	~
corridor	
room 1	
room 2	
Groups	ت
Configuration	
Utilization	
Planning	

2/, Play the audio track of the computer that you want to broadcast on the sounders. Player types: VLC, Windows Media Player.

e.g.:



3/ Click to play the audio track. To stop playing, click the Stop button on the computer's player or in the software.

4/ The volume may be adjusted directly from your computer's player or from the pages of each product's web server (see the corresponding product instructions).

The sound level is symbolised by a VU meter (outlined in red):



5/ Set the live broadcast priority by clicking the drop-down menu (priority applied in the case of several PCs broadcasting audio over the network):

<u></u>		
Parameter		
Broadcast priority	•	
	High Medium	_
✓	Low	1

If broadcasting is enabled in the software but no audio track is played from the computer, the following information window opens:

(A period of inactivity has been detected. Broadcast was ended automatically.
	ОК

N.B.: The melodies can be downloaded from the Mybodet platform by clicking here: Download melodies

Click on 🔢	Settings	to open the following window:
		Parameter
		Broadcast priority Medium
		Broadcast quality Average
		✓ Automatic deactivation after a period with no audio
		✓ Validate × Cancel

Choose the level of priority to be applied when the sounder has several audio streams incoming from different PCs.
 High: the incoming stream with high priority will continue to be played regardless of the other

incoming streams.

- Average: the incoming stream with average priority will continue to be played if another stream with low priority is incoming but will be cut and replaced by an incoming high-priority stream.

- Low: The incoming stream with low priority will continue to be played if another low priority steam is incoming (chronological order of priority: the first stream to come in will be played).

N.B. If two streams with the same priority level are received by a sounder, the first of the two will be played.

2 Choose the broadcast quality: Normal or High (this mode can only be used on sites without a Harmonys repeater or on a local Multicast address).

Broadcast status

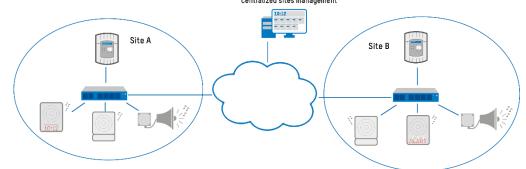
- Broadcasting enabled and in progress.
 Broadcasting enabled but no audio detected on the computer.
- Broadcasting disabled.

5. Regular backup

The configuration files must be backed up regularly. The backup is done to a storage space (PC or external medium). We recommend backing up every week and checking regularly whether the backup has been done, in order to prevent unpleasant surprises.

CENTRALIZED MANAGEMENT OF MULTIPLE SITES

Special case of managing several sites (schools...) from one unique PC equipped with the Sigma software (technical services) and shared by the each site managers. Each site manager must not have access to elements of the other sites.

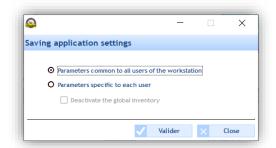


To implement this the network administrator must use the following procedure: Run the Sigma software as Administrator.

In this case the welcome screen of the Sigma software shows an additional button

How do you wi	sii to progra	m your sigma.
USB FLASH DRIVE		ETHERNET NETWORK
	OR	
History		History
Empty history		192.168.0.10 VALISE Harmonys Trio MAT 10.17.30.200 Sigma test production VISIO2 10.17.10.219 lac_sigma_test
IA (V1.1621)		

This button opens up the dialogue window shown below:



2 options are offered to the administrator:

- "Parameters common to all users of the workstation". In this case all the users of the Sigma software share the same backup file of the PC software parameters (USB/Ethernet history – master clock address, range of IP addresses...)
- "Parameters specific to each user": In this case each user has his own backup file. He will see in his history only the master clock to which he is connected.

The administrator can also disable the global inventory of the sounders which allows the inventory beyond the defined network address range by checking the tick box Opeactivate the global inventory . Each user, with the help of the administrator, will therefore have to define ranges of IP addresses which will not be seen by other users/sites.

TROUBLESHOOTING

1. Broadcasting does not work... Check that...

1/ The multicast address is identical in the Sigma software and the products found on the network.

- Remainder: in the software, the multicast address can be changed:
 - No master clock mode: from the "Broadcast" screen using the Multicast Address button.
 - Ethernet: from the screen "Configuration > Sounders and relays" using the Multicast Address button.

For sounders, the multicast address may only be changed using the web server:

From the screen "Configuration > IP Device" using the Web server access button.

2/ An audio element must be in the process of being broadcasted, and the volume must not be set to "mute".

If the problem persists, check for presence of several players.

- To access it from your computer:
- Right click the loud speaker icon next to the clock, followed by "Playback devices".



- Disable the peripheral(s) which do not broadcast audio.

In the example below, the sound is emitted on "Loud speakers/Headphones". The obsolete element, "Communication headphones" must therefore be disabled. (Right click the element, and "Disable").



3/ Restart the application: audio broadcasting will work.

2. Sigma is not on my network

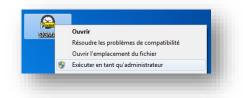
1/ Check that the Sigma master clock is in DHCP mode (see the Technician menu in the corresponding master clock instructions).

If the Sigma has a fixed IP address, it is possible that its address does not correspond to your network.

3. Error when starting up the software

When the software starts up, depending on your administration rights, it is possible that an error window will be displayed on screen.

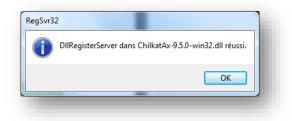
1/ Right click on the executable, then "Run as administrator".



2/ Check for the presence of the file < ChilkatAx-9.5.0-win32.dll> in the installation directory.

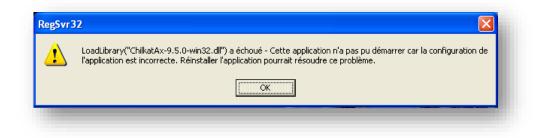
3/ Open a DOS command prompt in administrator mode and type the following commands:

- a. > cd C:\Program Files\BODET\Sigma
- b. > regsvr32 ChilkatAx-9.5.0-win32.dll
- 4/ If you obtain:



Restart the SIGMA software; the problem is solved.

If you obtain:



It is necessary to install <<u>Microsoft Visual C++ 2008 Redistributable Package (x86)</u>>. After installation, restart the SIGMA software; the problem is solved.

1. Melody names

1	Enbois.mp3
2	Congas.mp3
3	Whistle.mp3
4	Malice.mp3
5	Plaine.mp3
6	Syntaxe.mp3
7	Bottle.mp3
8	Entree.mp3
9	Technique.mp3
10	Programme.mp3
11	Aurore.mp3
12	Produit.mp3
13	Carillon_musical_2.mp3
14	Sonnette électrique école.mp3
15	Xylophone_aigu_2.mp3
16	Carillon_rapide_2.mp3
17	Vibrato_2.mp3
18	Carillon fin.mp3
19	PPMS - Alerte Attentat-Intrusion avec signal.mp3
20	PPMS - Mise a l'abri et confinement avec signal.mp3
21	PPMS - Evacuation avec signal.mp3
22	Emergency_message_female_voice.mp3
23	Emergency_message_male_voice.mp3

Here is a list of the names of the melodies delivered with your Harmonys sounder:

The melodies can be downloaded from the Mybodet platform by clicking here: <u>Download melodies</u>

2. Error log - Multizone microphone

GROUP		
MESSAGE	COMMENT	USER ACTION REQUIRED
The group has been modified.	The zones (more or less) in the group have changed in the Sigma.	Click on "Update", this refreshes the included zones and the name.
The group has been deleted.	The group no longer exists in the Sigma.	Delete the number assigned to the group.
A The name has been changed.	The name of the group has changed in the Sigma.	Click on "Update".
ZONE		
MESSAGE	COMMENT	USER ACTION REQUIRED
The area has been deleted.	The zone no longer exists in the Sigma.	Delete the number assigned to the zone.
🔺 Unknown area.	Zone of a detected speaker (with or without assigned number).	Create the zone or change the speaker assignment zone.
A The name has been changed.	The name of the zone has changed in the Sigma.	Click on "Update".
MANUAL ADDING		
MESSAGE	COMMENT	USER ACTION REQUIRED
At least one area has been deleted.	There is at least one zone of the "manual adding" that no longer exists in the Sigma.	Delete the zone(s) from the list.
Forbidden "repeater" configuration.	There is at least one repeater speaker in the "manual adding".	Disable the repeater function or delete the associated number.
Product not compatible.	The IP address corresponds to a detected Bodet product that does not broadcast audio.	Reassign IP addresses or delete the associated number*.
At least one product not listed.	There is at least one speaker that has not been detected.	Delete the speaker(s) from the "manual adding".
HARMONYS		
MESSAGE	COMMENT	USER ACTION REQUIRED
Product not compatible.	The IP address corresponds to a Bodet product that does not broadcast audio.	Reassign IP addresses or delete the associated number*.
Forbidden "repeater" configuration.	There is a speaker with a number that is also a repeater.	Disable the repeater function or delete the associated number.*
A The name has been changed.	The name of the listed product has changed compared to that of the microphone.	Click on "Update".*

* These actions are impossible in the case where the connection was made without a master clock because the information are "read-only".

3. Audio broadcast priority order

Here is the order of priority for audio broadcasting between equipment (in particular between microphone and Button Box) according to the type of information:

Priority	Type of audio broadcast
1	Button box: manual "Alert" triggering
2	Microphone: high priority
3	Microphone: normal priority
4	Microphone: low priority
5	Button box: manual "non-alert" triggering
6	Programmed ringtone
7	Streaming

CONCLUSION

We hope that this guide will help you make the most of your Sigma operating software.

If there is a problem, check that it is caused by the Sigma software and is not an internal computer problem, a cabling problem, etc. and that it cannot be solved using this manual.