

Stand-alone dialler

SH511AX: PSTN+ADSL SH513AX: PSTN-SH512AX: GSM/GPRS+ADSL SH514AX: ADSL

SH513AX: PSTN+GSM/GPRS+ ADSL SH514AX: ADSL

INSTALLATION MANUAL

Contents

DAITEM

Foreword 1
1. Introduction 2 1.1 Description 3 1.2 Operation 4 1.3 Operating mode 5
2. Preparation62.1 Tooling required62.2 Accessories and power supplies to be used62.3 Opening the dialler62.4 Inserting the SIM card72.5 Power supply82.6 Transmission of tamper alarms in installation mode11
2.7 Modifying the language and modifying the volume of indications and the speech synthesis system11
3 Recognition programming 12
 3.1 Programming the control panel and dialler for recognition
4. Main parameter-setting operations

5. Advanced parameter-setting operations1	17
5.1 Programming a relayed dialler to be recognised	
by the control panel 1	17
5.2 Transferring control panel, system product	
and intrusion group personalised voice	
messages and the "welcome message	
for vocal transmissions" using the S.I.T.E. card 1	8
5.3 Using the dialler keypad to record a personalised	
voice message for intrusion groups	8
5.4 Customising a command button 1	9
5.5 Blue light indication 1	9
5.6 Modifying dialler self-monitoring parameters	20
5.7 Procedure for deleting a recognised product	20
6. Installing, parameter-setting and implementing	
6. Installing, parameter-setting and implementing transmission	21
6. Installing, parameter-setting and implementing transmission 2	21
 Installing, parameter-setting and implementing transmission	21 21
 6. Installing, parameter-setting and implementing transmission	21 21 21
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2	21 21 21 22
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2	21 21 22 23
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2 8. Appendix 2	21 21 22 23 24
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2 8. Appendix 2	21 21 22 23 24
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2 8. Appendix 2 9. Summary table of parameters and commands 2	21 21 22 23 23 24 26
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2 8. Appendix 2 9. Summary table of parameters and commands 2 10. Technical data 2	21 21 22 23 24 26 28
6. Installing, parameter-setting and implementing transmission 2 7. Maintenance 2 7.1 Indication of faults on power-up 2 7.2 Consulting the dialler events log 2 7.3 Changing the battery 2 8. Appendix 2 9. Summary table of parameters and commands 2 10. Technical data 2	21 21 22 23 24 26 28

4.1 Modifying the access code 15

Foreword

You have just bought a DAITEM dialler and we would like to thank you for your confidence. To install your dialler in the best conditions, we advise you to:

- 1. read the precautions to be taken below as well as the "Introduction" and "Operation" chapters,
- 2. follow the chronological order of the manual as it describes the successive operations to be performed.

Recommendations

The user must not attempt to access the device's internal parts, except areas described in this manual. If the user does access these parts, the product guarantee will be considered null and void and DAITEM shall not be held responsible for any problems. Touching the device's internal parts and/or electronic components can damage the product. Furthermore, the device is designed in such a way that these parts and components do not need to be accessed for operation or maintenance purposes.

Installation and maintenance must be performed according to the applicable standards of the country and by an installer with electrical accreditation. The installer is solely responsible for specific site recommendations and installation work. The installer must comply with applicable regulations as well as the recommendations specified in the system booklet and in this installation manual.

The installer is alone responsible for any system operating problems caused by non-compliance with these recommendations.

Any use of the devices other than that described in this manual can be dangerous.

The conditions governing application of the contractual guarantee and After-Sales Service are described in the general product catalogue and can be sent to you upon request.



. Introduction

IMPORTANT

- Some functions are only available with control panel versions 2.0.0 or later (enter # 5 0 3 # # on the control panel keypad to check the version).
- Operational differences in relation to former ranges are described in the compatibility booklet available in the Daitem
- Installers section at www.daitem.co.uk.

The stand-alone dialler has two main functions. Via its different communication networks, it makes the following possible:

1. Remote alerts in the event of intrusion or an event occurring on the protected site.

- The dialler warns individual correspondents and/or a remote monitoring centre in case of:
- intrusion,
- technical alarms,
- fire alarms,
- tamper alarms,
- system device faults.

Protection of individuals (e.g. Silent alarm), technical alarms and fire alarms are active 24 hours a day. The dialler has anti-tamper protection against opening and removal.

- When an intrusion occurs, the dialler makes the following remote operations possible:
- listen in and talk-back/speak-out,
- visual confirmation of the alarm via the transmission of images or films from image transmission detectors and/or compatible IP cameras installed on the protected site.
- 2. Remote access to the protected site:
 - alarm system control,
 - parameter-setting,
 - verifications.

GSM/

Transmission module and transmission media

- Depending on the type of dialler, it is fitted with a transmission module using different media (see table opposite, unused media must be declared).
- When installing the product, it should be assumed that the dialler has three transmission media: PSTN, GSM/GPRS and ADSL.

The different stand-alone diallers are:

Dialler reference	Module reference	Transmission media		
SH511AX	SH501AX	PSTN	-	
SH512AX	SH502AX	-	GSM/GPRS	Ethernet
SH513AX	SH503AX	PSTN	GSM/GPRS	(ADSL)
SH514AX	SH504AX	-	-	

MODULE APPLICATION KEY: GSM/ETHERNET

Only concerns transmission modules using the media indicated (example here: GSM/GPRS and/or Ethernet (ADSL)

MUST BE USED IN ORDER TO REMOTELY TRANSMIT IMAGES FROM IMAGE DETECTORS
\rightarrow Only concerns alarm systems fitted with one or several image transmission detectors.
MUST BE USED IN ORDER TO REMOTELY TRANSMIT IMAGES FROM IP COMPATIBLE CAMERAS
\rightarrow Only concerns alarm systems fitted with one or several compatible IP video cameras

Local programming:

The dialler can be programmed locally:

- using the dialler keypad as described in this manual:
- or
- more easily and in an intuitive manner, via a PC and user-friendly interface (protected by installer access code). The computer must have TwinLoad® configuration and maintenance software and be linked to the radio configuration tool. The dialler is configured by radio via the control panel.

The software and installation manual are available in the Daitem installer section at www.daitem.co.uk.

	RADIO CONFIGURATION TOOL	CONTROL PANEL	DIALLER
	USB cord))))))))	-
Computer with TwinLoad [®] software			

1.1 Description

The dialler has a keypad on its front face with the following:

- 12 programming buttons (dial buttons from 🗋 to 🗐 and 💌 and 🗰 buttons) for different operations:
 - recognition programming of system devices,
 - programming of the different parameters,
 - checking these different parameters,
- performing a test call to individual correspondents or a remote monitoring centre.
- 4 command buttons that can be personalised according to the user's needs, e.g. Silent alarm (= Panic alarm).



LED indications

LEDs	Colours	LED status	Indication		
Three- red		steady	button pressed or line occupied (incoming/outgoing call)		
Colour LED continuous rapid flashing operation blocked when powered (power supply, radio, transmission mo					
		12 s maximum rapid flashing	connection test, date and reference		
		1 flash every 5 s	permanent indication of test mode		
		2 flashes every 10 s	permanent indication of installation mode		
	3 rapid flashes error				
	green	steady for 10 seconds	valid access code		
		steady	recording of voice message		
	orange	rapid flashing	memory zone transfer		
Blue light	t modulated indication of renewed		mode change: installation, test and use		
		control panel transmissions	arming or disarming		
			system status command		
			one of the 4 customisable buttons pressed (arm, disarm, arm partial 1 and 2)		



system product and intrusion group personalised voice messages and the "welcome message for vocal transmissions" using the S.I.T.E. module).



1.2 Operation

• The dialler only operates in a system with an alarm control panel.

Depending on the type of dialler, it communicates via different communication media: PSTN, GSM/GPRS and Ethernet (ADSL) (see "Description" chapter).

MUST BE USED IN ORDER TO REMOTELY TRANSMIT IMAGES FROM IMAGE DETECTORS

Image transmission detectors transmit:

- the intrusion event directly to the control panel,
- the images recorded directly to the dialler.

MUST BE USED IN ORDER TO REMOTELY TRANSMIT IMAGES FROM IP COMPATIBLE CAMERAS

- IP cameras are linked to the ADSL box/router modem
- The list of compatible IP cameras is available in the Daitem Installers section at www.daitem.co.uk.



ETHERNET

(ADSL)

GSM/

GPRS

- The IP transmission module manages the IP cameras via the alarm system making it possible: - to record alarm films following detection of intrusion or confirmed intrusion,
 - for users to view their IP cameras via the customer-dedicated Internet Portal.
- The intrusion detectors are associated with the IP cameras: each detector can be associated with 2 cameras maximum.



1.3 Operating mode

1.3.1 The dialler has 3 separate operating modes:

- installation mode for dialler installation and maintenance,
- test mode for dialler functional testing,
- user mode for dialler daily use.

1.3.2 The dialler's different functions and commands are protected by 3 separate access codes:

- 1 MASTER code, to be used by the main system user in USER mode for:
 - activating all of the dialler's commands locally via the dialler keypad (full dialler use),
 - remotely accessing the dialler via a PC (and via Smartphone and touch-screen tablet applications: iPhone/iPad and Androïd),
 - operating the system remotely over the phone (for incoming calls via the GSM network, the product must be connected to the mains).
- 1 INSTALLER code, to be used by the installer in INSTALLATION mode for:
 - completely accessing the dialler during installation on site via the dialler keypad or a PC with TwinLoad[®] software and which is linked to the radio configuration tool (in this case the dialler is configured by radio via the control panel),
 remotely accessing the dialler via a PC with TwinLoad[®] software. This is possible in all modes (factory: TEST), subject to the user's rights defined when parameter 611 is programmed.
- 1 VIDEO code, to be used mostly by the user and which provides secure access to video footage via the Internet.

Changing the operating mode:

The operating mode is changed using the factory master code "0000" then the factory installer code "1111" as shown below:



IMPORTANT

- For security reasons, the keypad automatically switches back to user mode after 4 hours without a command being issued.
- If 5 wrong codes are entered in less than 5 minutes the keypad will be blocked for 5 minutes and notification that a wrong code has been entered will be issued.
- The request to change system operating mode issued by the dialler is only taken into account when the control panel issues a voice message about the new system status in order to validate the change.

Example: switching from test mode to installation mode:



• - To check the dialler's operating mode at any time, use the keypad to enter:



2.1 Tooling required



2.2 Accessories and power supplies to be used

The **accessories and power supply(ies) needed** to install the dialler depend on the type of dialler and media used. Before going out to the site, installers must make sure they have the additional accessories and power supply(ies) listed in the "Appendix" chapter (besides any accessories that are supplied with dialler).

2.3 Opening the dialler



IMPORTANT: the SIM card must be inserted into the dialler with the power off.



2. Insert the SIM card into its slot making sure it is the right way round in the module.

IMPORTANT

Only mini SIM cards can be used in the module.
Do not insert a Micro SIM card as it does not have the right format and may damage the module.







3. Clip the transmission module into its compartment.

GSM/GPRS



Type of power supply to be installed depending on the media used KEY:

- BatLi = 2 x (3.6 V, 13 Ah) lithium power pack, BatLi22
- Li-lon = 3.7 V/1.2 Ah Li-lon rechargeable back-up battery

• Mains power module = 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module

	Type of dialler/media available				
Media used	SH511AX PSTN+ Ethernet (ADSL)	SH512AX GSM/GPRS+ Ethernet (ADSL)	SH513AX PSTN+GSM/ GPRS+ Ethernet (ADSL)	SH514AX Ethernet (ADSL)	
PSTN+Ethernet (ADSL)	mains power module + Li-lon	/		1	
GSM/GPRS+Ethernet (ADSL)	/	mains power module + Li-Ion	mains power module + Li-Ion	/	
PSTN+GSM/GPRS+Ethernet (ADSL)	/	/		/	
(PSTN+GSM/GPRS) only	1	/	 BatLi + compulsory Li-lon or mains power module + Li-lon for GSM incoming calls 	/	
PSTN only	BatLi or mains power module + Li-lon /		/		
GSM/GPRS only	/	 BatLi + compulsory Li-lon or mains power module + Li-lon for GSM incoming calls 	 BatLi + compulsory Li-Ion or mains power module + Li-Ion for GSM incoming calls 	/	
Ethernet (ADSL) only	mains power module + Li-Ion				

Declaring unused media

To prevent faults from occurring due to line cuts or the absence of transmission media in user mode, unused media must be declared. This parameter-setting operation is explained in the installation manual common to the control panel-dialler and the stand-alone dialler: "**Parameter-setting and implementation of transmission with transmission module**/chapter on "Main parameter-setting operations for the transmission module/Declaring unused media".

Indication of power faults on power-up:

N.B.:

- If the main power supply comes from the mains power module:
 - a sufficiently charged Li-Ion back-up battery must be installed in case the dialler issues the voice message "Fault, Accumulator Voltage, Transmitter", and the red LED flashes until the battery has been properly connected.
- if there is a mains power supply problem, the dialler issues the voice message "Fault, Battery Voltage, Transmitter".
 If the main power supply comes from the **BatLi lithium power pack**:
 - the Ethernet (ADSL) media will not be operational,
 - the GSM/GPRS media will be operational on condition that the Li-Ion back-up battery has been installed. In this case (powered without mains), the GSM/GPRS media will be configured by default for outgoing calls only.

If an improper power supply is used with the transmission module connected this will lead to an error indication following power-up.

What to do if?

Red LED	Voice message	Solutions
Constant rapid flashing	<i>"Fault, power supply, transmitter plug"</i>	use the tables in the "Appendix/Accessories and power supplies to be used" chapter to check compatibility between the transmission module media and the dialler power supply.
	"Fault, transmitter plug"	check the transmission module has been properly installed.
	"Fault, battery voltage, transmitter"	check the state of the main power supply: BatLi 22 lithium power pack or mains power module depending on the case.
	"Fault, accumulator voltage, transmitter"	if the power supply is from the mains, check that the Li-Ion back- up battery has been installed and is properly charged.

IMPORTANT

Depending on the transmission media used:

- Installation of the back-up battery is often required for the dialler to operate (see Power supply/Type of power supply to be installed depending on the media used" chapter).
- The back-up battery is charged on the dialler and is designed to act as a buffer or back-up power supply to the main power supply. If the dialler is prepared for installation off the site and then moved without its main power supply being connected, the back-up battery should also be removed so that it remains charged.
- Connect the back-up battery first and then the lithium power pack or internal mains power module.
- The back-up battery must be connected with the main power off.

2.5.1 Use with the BatLi22 lithium power pack and Li-Ion rechargeable back-up battery

1. Connect the back-up battery to the "2-point" connector.





2. Clip the back-up battery into its compartment.

- **3.** Position the lithium battery on the guide rails.
- **4.** Slide the lithium power pack upwards until it locks into position.
- **5.** Following power-up, the dialler will issue the voice message:



If the dialler indicates a fault, refer to the "Power supply/Indication of power faults on power-up" chapter and the "Maintenance" chapter.



Unlocking key

IMPORTANT

- If the dialler does not respond as it should:
- disconnect the lithium power pack and then the back-up battery,
- wait for 2 min,
- reconnect the back-up battery and then the lithium power pack,
- check the correct voice message is issued.
- On power-up, the dialler is automatically in installation mode.

To remove the lithium power pack, press on the unlocking key and slide it downwards.

2.5.2 Use with the mains power module and the Li-Ion rechargeable back-up battery

1. Connect the rechargeable back-up battery to the "2-point" connector.



Closing screw

3.7 V/1.2 Ah Li-lon rechargeable back-up battery

2. Clip the back-up battery into its compartment.

3. Loosen the internal mains power module closing screw.

Cover

RXU01X internal mains power supply module: 200-240 VAC 50-60 Hz

4.5 VDC 2.2 A (double insulation symbol, 220 V power supply

without earth connection).

IMPORTANT: only use the 4.5 V DC module supplied

with the dialler or available

in the catalogue.

- 4. Connect the mains power cable (2 x 0.75 mm² H05WF type with a diameter ranging from 5 mm min to 7.5 mm max) to the terminal block.
 Install a cable clamp.
 - Put the cover back and tighten the closing screw.

Strip the mains power cable over a length of 28 mm and the conductor over 7 mm.



- **5.** Position the mains power module on to the guide rails.
- **6.** Slide the module upwards until it locks into position.



Unlocking key

 7. Connect the other end of the cable to the electricity network via a Hager MEN710-10 A type circuit-breaker which can be easily identified and accessed. 8. Following power up, the dialler will issue the voice message: 	IMPORTANT • If the dialler does not - disconnect the main - disconnect the back - wait for 2 min, - reconnect the back- - reconnect the power - check the dialler issue • On power-up, the dial	respond as it should: s power supply then disconnect the power module, -up battery, r module and then the mains power supply, ues the correct message. ler is automatically in installation mode.
If the dialler indicates a fault, refer to the "P of nouver faulte on nouver up" chapter and t	ower supply/Indication	 To remove the mains power module: "disconnect" the mains power supply, press the unlocking key and slide the power supply module downwards.
 If powered with the RXU01X mains power in the middle 	module, the battery	
The Li-lon 3.7 V/1.2 Ah back-up battery mu disconnected. Wait 2 minutes before power	ist first be ring up again.	It is advisable to protect the dialler with a surge arrester type device.

2.6 Transmission of tamper alarms in installation mode

INSTALLATION MODE

INSTALLATION MODE

The anti-tamper system is enabled by default in installation mode and generates a telephone call. Deactivating this function depends on the control panel and dialler parameter 14 value.

		Control panel parameter 14 value	
		0	1 (factory)
Dialler parameter 14 value	ter 14 value 0 no response		no response
	1 (factory)	control panel: no response dialler: telephone transmission triggered	telephone transmission triggered

To modify the transmission of tamper alarms in installation mode:

(transmission triggered)



Dialler factory setting: 1 enabled



• then use the control panel keypad to enter:



Control panel factory setting: 1 enabled

2.7 Modifying the language and modifying the volume of indications and the speech synthesis system

Language

Depending on the user, you can replace the original system language, French, with a different language.



Factory: French

• Setting the indication and speech synthesis volume The level can be adjusted from 1 to 8.

Sound level from 1 to 8

Factory: average sound level = 4





Checking recognition programming

Press and hold $\boxed{*}$ on the dialler and the control panel will issue the voice message: "*bip, test, dialler n*°". The dialler issues a voice message to confirm control panel reception: "*beep, control panel*".





It is essential to first programme the control panel to recognise the detector and then to programme the detector to be recognised by the dialler.





3.3 Programming the image transmission motion detectors to be recognised by the dialler



IMPORTANT

- The image transmission motion detectors must be programmed for recognition by the control panel in order to transmit intrusion events (see image transmission motion detector installation manual) and then programmed for recognition by the dialler in order to transmit images.
- Image transmission motion detectors (up to 40) can only be programmed for recognition by the the dialler once the alarm control panel has been programmed for recognition by the dialler.
- All the image transmission motion detectors in the same installation must be programmed for recognition by the same dialler using GPRS and/or Ethernet media so that all the films can be transmitted.
- Numbers are automatically allocated by the dialler during recognition programming. Consequently, the same detector can be programmed for recognition by the alarm control panel as number 10 and by the dialler as number 6.

Recognition programming sequence:



If an error is made during programming, the dialler issues 3 error beeps.

3.4 Testing the radio link between the dialler and the image transmission detectors

For each image transmission detector, we recommend you test the radio link with the dialler using GSM/GPRS and/or Ethernet media *(it is advisable to place the product to be tested at least 2 m away from the dialler)*. To ensure good radio link reliability over time, it is essential to **check each radio link carefully** once all the products have been installed. **Proceed as follows:**

 Dialler in installation mode. 	2. Press briefly on the detector test button. The detector LED lights up for 2 s then lights up again at the end of the test.	 3. The dialler tests the link: if the test is successful: the dialler issues a long beep, the detector LED lights up once for 2 s, if the test is unsuccessful: the dialler issues 3 short beeps, the detector LED flashes 3 times.
---	---	---

IMPORTANT

- If the radio link is not established, you must first reprogramme the image transmission motion detector to be recognised by the dialler and then perform the radio link test again.
- If recognition programming fails repeatedly, you must:
- 1. disconnect the alarm control panel power supply as well as that of any radio repeater relays in the installation,
- 2. perform the recognition programming procedure again.

Main parameter-setting operations

IMPORTANT: all parameter-setting can be done using TwinLoad® software available in the Daitem Installers section at www.daitem.co.uk.

4.1 Configuring the date and time

The events memorised by the dialler are date and time stamped. This facilitates diagnosis should an alarm or fault occur.

The change to and from Daylight Saving is done automatically.



4.2 Modifying access codes

To guarantee installation confidentiality, the access codes must be modified:

• the user master code,

- the installer code,
- the video code (if video is used).

Number of access code digits

The number of access code digits is set at 4 by default. If you wish to change this, you must do so before changing the access codes.

IMPORTANT: the factory access codes are use

If you extend the number of digits, this applies to:

- the master code,
- the installer code,
- the remote monitoring centre code,
- the video code (if video is used).

To modify the number of digits, enter:

Example: to extend the access codes to 6 digits, enter:



to modify the number of digits (see Deleting access codes).					
Factory access code possible after deletion				deletion	
Number of digits	installer	master	remote monitoring centre	video	
4 (factory)	1111	0000	2222	4444	
5	11111	00000	22222	44444	
6	111111	000000	222222	44444	

Modifying the master code

To modify the master code, enter:



IMPORTANT: all access codes must differ from each other.

Factory master code: 0000

Example:

To replace the factory master code "0000" with the new code "1423", enter: 0000*50*1423*1423**



Modifying the installer code



Deleting the access codes

IMPORTANT: this programming deletes all access codes. The number of digits used for old access codes remains the same (see Number of access code digits).

To delete the access codes and return to the factory access codes, enter:



To consult the number of access code digits, enter:

* 6 9 * # * *

then refer to the paragraph on "Number of access code digits".



5. Advanced parameter-setting operations

5.1 Programming a relayed dialler to be recognised by the control panel

Relayed control panel recognition programming (for versions 2.0.0 and later) is done using radio repeater relay SH701AX.

IMPORTANT: for the transmission of images, motion detectors cannot be relayed to the dialler using radio repeater relay SH701AX. Recognition programming with the dialler must be done directly. You must therefore make sure that the detectors are within the dialler's radio range.

STEP 1: PROGRAMMING THE RELAY FOR RECOGNITION BY THE CONTROL PANEL

The radio repeater relay n° is allocated by the control panel during recognition programming.

The control panel and radio repeater relay must be in installation mode. The relay and the control panel are in installation mode when powered. Otherwise, use the control panel keypad to perform the following programming sequences:



IMPORTANT: the control panel issues 3 short beeps to indicate a programming error. When this happens, perform recognition programming again from the start.

STEP 2: PROGRAMMING A RELAYED DIALLER FOR RECOGNITION BY THE CONTROL PANEL

 If on an installation a radio repeater relay is needed to extend the range between the control panel and a stand-alone dialer then any transmitter/receiver device (example: dialler, sirens, 8-output standalone units, information keypads, etc.) then all such devices on the installation must be recognized by that same radio extender relay.
 NOTE: other devices on the installation such as detectors can be programmed/recognized either direct into the control panel or via another radio extender relay unit.

• The dialler n° is allocated by the control panel during recognition programming.



IMPORTANT: the dialler issues 3 short beeps to indicate a programming error. When this happens, perform recognition programming again from the start.

Checking recognition programming

Press and hold the dialler * button and the control panel will issue the voice message *"bip, dialler n°, relayed"*.

The dialler issues a long beep to confirm control panel reception.



5.2 Transferring control panel, system product and intrusion group personalised voice messages and the "welcome message for vocal transmissions" using the S.I.T.E. card

The personalised voice messages of **system products, intrusion groups** and the "welcome message for vocal transmissions" recorded on the control panel (to facilitate identification) are not automatically transferred to the dialler. They can be **transferred** by connecting the control panel S.I.T.E. NVM module (optional device) to the dialler. Transferring these personalised voice messages replaces the dialler personalisation functionality.

N.B.: the dialler keypad can also be used for personalised voice messages for the intrusion groups (see chapter below) and for the "welcome message for vocal transmissions" (see the Parameter-setting and implementation of transmission with the transmission module manual/Chapter on Parameter setting for calls to individual correspondents).

To transfer the personalised voice messages of system products, intrusion groups and the "welcome message for vocal transmissions" recorded on the control panel:

- 1. disconnect the dialler power,
- 2. connect the S.I.T.E. NVM module to the dialler after having first saved all the control panel data to it,
- **3.** connect the dialler power:
 - the orange LED flashes throughout the transfer,
 - the dialler issues the voice message "bip, installation mode",
- 4. disconnect the dialler power,
- 5. put the S.I.T.E module back in the control panel.

"bip, installation mode	e"
DIALLER	

5.3 Using the dialler keypad to record a personalised voice message for intrusion groups

To facilitate identification of the **intrusion groups** (in relation to the control panel), it is also possible to use the dialler keypad to record a personalised voice message for a maximum duration of 3 s.

To record the message, enter:



Example of personalised message: group 2 on "1st floor", enter:



To check the identification message, enter:



5.4 Customising a command button

The 4 command buttons on the dialler can be customised to adapt commands to customer requirements (see table below). Furthermore, this personalisation makes it possible to select the type of access (direct or via a code) to commands.

To customise a button, enter:



IMPORTANT

- . In installation mode, the keypad commands can be accessed directly.
- All Disarm or Arm commands as well as the System status command can only be accessed using a code.

Customised commands

Command description	Command n°	Command description	Command n°	Command description	Command n°
Disarm (1)	21	Off light	52	On relay 3	84
Alert	22	On light	54	Relay 3 toggle switch	86
Arm (1)	23	Light toggle switch	56	Relay 3 timer	88
Silent alarm	24	Light timer	ght timer 58 C		92
Partially arm 1 (1)	25	Off relay 1 (3)	62	On relay 4	94
Partially arm 2 (1)	27	On relay 1	64	Relay 4 toggle switch	96
Fire alarm	32	Relay 1 toggle switch	66	Relay 4 timer	98
Arm presence (1)	33	Relay 1 timer	68	Off relay control panel 1	112
Silent command	36	Off relay 2	72	On relay control panel 1	114
Stop indications (1) (2)	37	On relay 2	74	Off relay control panel 2	122
Chime	38	Relay 2 toggle switch	76	On relay control panel 2	124
Audible signal	42	Relay 2 timer	78	System status (1)	129
No command	44	Off relay 3	82		

(1) Command with code access only.

(2) Used to stop indications concerning a technical alarm, an alert or a tamper alarm without changing the system status.

Important: telephone transmissions are not interrupted.

3) For controlling command receivers or remote-controlled sockets (via control panel)

Example: to personalise the 1 button for an "Alert" command accessed via a code, enter:

*58*122*1**

Personalising a command button to arm or disarm groups 1 to 8

IMPORTANT: all disarm and arm commands can only be accessed via a code.

To personalise a button to arm groups 1 to 8, enter:

* 5 8 * 1*112131*1 * * button to be groups 1 to 8 depending personalised on the type of control panel

Example: personalise the <u></u>button to arm group 5 and 6:

*58*123*56**

• To personalise a button to disarm groups 1 to 8, enter:



Example: personalise the 1 button to disarm group 7 and 8: *58*121*78**

5.5 Blue light indications

To activate or deactivate the dialler's blue light, enter:



5.6 Modifying the dialler's self-monitoring parameters

5.6.1 Communication network (detection of communication network interruptions)

- Dialler fitted with a lithium power pack as its main power supply: only the PSTN network is monitored.
- Dialler fitted with a mains power module as its main power supply: the PSTN, GSM/GPRS and Ethernet networks are monitored.

If the PSTN or GSM network is cut off (PSTN cable cut, GSM interference) and if the network is used in a call cycle, the dialler can trigger an alarm via the control panel and issue a telephone transmission.

The system's response will depend on the duration of the interruption and the value of parameter 26 on the control panel and dialler. It should be noted that this dialler does not manage communication network interruptions in installation mode.

To modify activation of dialler interruption detection, use the keypad to enter:

1: enabled, triggering of telephone transmission via back-up network

Dialler factory setting: 1 enabled

5.6.2 Dialler radio jamming (radio anti-tamper system)

The dialler monitors the availability of radio links (TwinBand®, 400/800 MHz).

If these radio links are purposefully interfered with, the dialler can trigger an alarm and a telephone transmission.

The system's response will depend on the level of jamming and the value of parameter 27 on the control panel and dialler. It should be noted that this dialler does not manage radio jamming in installation mode.

To modify dialler radio tamper transmission triggering, use the keypad to enter:

1: enabled, triggering of telephone transmission

Factory dialler setting: 1 enabled

5.6.3 Radio link between the dialler and the control panel (radio fault indications)

The dialler monitors the availability of radio links with the control panel. If it detects a fault, it can trigger an alarm and a telephone transmission.

To modify dialler radio fault indication and triggering, use the keypad to enter:

*28***

^

0: disabled 1: enabled, indication and triggering of telephone transmission

Factory setting: 1 enabled

5.7 Procedure for deleting a recognised product

5.7.1 Deleting recognition programming of control panel and dialler (relayed (1) or non-relayed)

Use the **control panel** keypad to enter:

 *
 1
 9
 *
 5
 *
 *
 *



Deleting control panel recognition programming also deletes all the image transmission detectors recognised by the dialler.

5.7.2 Deleting an image transmission motion detector recognised by the dialler

Use the **dialler** keypad to enter:

detector n°

5.7.3 Deleting all products recognised by the dialler

Use the **dialler** keypad to enter:

*195***

(1) Only for a control panel (for versions 2.0.0 and later) relayed via radio repeater relay SH701AX.

To complete installation, refer to the installation manual common to the control panel-dialler and the stand-alone dialler: **"Parameter-setting and implementation of transmission with the transmission module".**

7. Maintenance

INSTALLATION MODE

For more information about transmission-related maintenance, refer to the installation manual common to the control panel-dialler and the stand-alone dialler: **"Parameter-setting and implementation of transmission with the transmission module manual/Maintenance chapter"**.

7.1 Fault indications on power-up

Red LED	Voice message	Meaning
Continuous rapid	"Fault, remote control unit"	dialler keypad problem
	"Fault, system, hour"	problem with dialler internal component
	"Radio fault"	radio problem
	"Fault, power supply, transmitter plug"	incompatibility between transmission module media and dialler power supply
haorning	"Fault, transmitter plug"	no transmission module
	"Fault, battery voltage, dialler"	problem with main power supply
	"Fault accumulator voltage, dialler"	main power supply connected but no or insufficiently charged back-up battery

7.2 Consulting the dialler events log

IMPORTANT: it is advisable to consult the control panel's events log to have a full account of events when on the site.

- The events log contains the **last 1,000** time and date-stamped events known to the dialler. It also keeps track of specific system operation and maintenance events.
 - The events log can be **consulted**:
 - locally, using the dialler keypad,
 - locally using a computer with TwinLoad[®] software and linked to the radio configuration tool. The dialler's events log is consulted by radio via the control panel,
 - **remotely using a computer** with TwinLoad[®] software connected to the dialler via the Internet. The dialler must be linked to the Ethernet (ADSL) network via a router/BOX or to the GPRS network (mains-powered dialler).

The events log records:

- intrusion protection device status changes known to the dialler,
- alarms,
- fault occurrence and clearance,
- media presence and absence (1),
- time resetting (1)
- incoming and outgoing calls (1),
- access for system configuration modifications,
- remote programming modifications (1).

• To access the events log locally using the dialler keypad:

- 1. Remove the cover.
- 2. In user mode, enter:



Each event in the log is recorded with the following information:

- date and time,
- name of event,
- identity of devices triggering the event,
- detection zone (for intrusion alarms).

Example:



PSTN GSM/ GPRS (ADSL)

If no command button is pressed on the keypad for 30 seconds, the dialler automatically exits the events log.



If the dialler is connected to the secure Internet Portal via the Ethernet (ADSL) network, it is not necessary to programme the date and time following a power cut as the dialler receives this information regularly from the Portal. If it is not connected to the Portal, see the chapter on "Main parameter-setting operations/Configuring the date and time".

Perform a real test on the dialler (see the "Parameter-setting and implementation of transmission with transmission module" installation manual, chapter on "Performing a real test".

Accessories and power supplies to be used for the stand-alone dialler

1. Dialler SH511AX: PSTN + Ethernet (ADSL)

		Media used				
Power supplies and accessories to be used	References	PSTN only	PSTN + Ethernet (ADSL)	Ethernet (ADSL) only		
Power supplies from the catalogue to be used						
200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A Internal mains power module	RXU01X	Choice between:BatLi (supplied)	order	order		
BatLi22 2 x (3.6 V, 13 Ah) Lithium power pack	BatLi 22	 mains power module (order) 	not used	not used		
Li-Ion: 3.7 V/1.2 V Li-Ion rechargeable back-up battery	RXU03X	+ Li-Ion (order)	order	order		
Accessories from the catalogue to be used						
RJ45/RJ45 Ethernet network cable	830-99X	/	order	order		
PSTN cable: RJLL/T	851-99X	order	order	/		
PSTN cable: RJ11/(RJ45-RJ-45)	856-99X	order	order	/		
ADSL master filter (partial unbundling)	900-99X	/	order	order		
IP cameras and/or image transmission detectors	see catalogue	/	order	order		
Accessories to be used that are not available in the o	atalogue		•			
Mains connection cable for 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module	/	/	order	order		
Cable clamp for mains connection cables	/	/	order	order		
IP camera video connection cables	/	/	order	order		
Bag of accessories: cable clamps + screws	/	supplied	supplied	supplied		

2. Dialler SH512AX: GSM/GPRS + Ethernet (ADSL)

		Media used				
Power supplies and accessories to be used References		GSM/GPRS only	GSM/GPRS + Ethernet (ADSL)	Ethernet (ADSL) only		
Power supplies from the catalogue to be used						
200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A Internal mains power module	RXU01X	• BatLi (supplied) + compulsory	order	order		
BatLi22 2 x (3.6 V, 13 Ah) Lithium power pack	BatLi 22	 or mains power module (order) 	not used	not used		
Li-Ion: 3.7 V/1.2 V Li-Ion rechargeable back-up battery	RXU03X	+ Li-Ion (supplied) for GSM incoming calls	supplied	supplied		
Accessories from the catalogue to be used						
RJ45/RJ45 Ethernet network cable	830-99X	/	order	order		
GSM remote antenna	RXA03X	order	order	/		
ADSL master filter (partial unbundling)	900-99X	/	order	order		
IP cameras and/or image transmission detectors	see catalogue	order	order	order		
Accessories to be used that are not available in the o	atalogue					
Mains connection cable for 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module	/	order according to power supply	order	order		
Cable clamp for mains connection cables	/	order according to power supply	order	order		
IP camera video connection cables	/	order	order	order		
SIM card	/	order	order	order		
Bag of accessories: cable clamps + screws	/	supplied	supplied	supplied		

3. Dialler SH513AX: PSTN+ GSM/GPRS + Ethernet (ADSL)

		Media used																			
Power supplies and accessories to be used	Ref.	(PSTN+ GSM/GPRS) only	PSTN + GSM/ GPRS + ADSL	(PSTN + ADSL) only	(GSM/ GPRS + ADSL) only	PSTN only	GSM/GPRS only	ADSL only													
Power supplies from the catalo	gue to be ι	ised																			
200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A Internal mains power module	RXU01X	Choice between: • BatLi (supplied) + compulsory	order	order	order	Choice between: • BatLi (supplied)	Choice between: • BatLi (supplied) + compulsory	order													
BatLi22 2 x (3.6 V, 13 Ah) Lithium power pack	BatLi 22	Li-lon (supplied) or • mains power module (order)	not used	not used	not used	• mains power module (order) + Li-Ion (supplied)	Li-lon (supplied) or • mains power module (order)	not used													
Li-lon: 3.7 V/1.2 V Li-lon rechargeable back-up battery	RXU03X	+ Li-Ion (supplied) for GSM incoming calls	supplied supplie	lied supplied supplied															plied	+ Li-Ion (supplied) for GSM incoming calls	supplied
Accessories from the catalogue	e to be use	d																			
RJ45/RJ45 Ethernet network cable	830-99X	/	order	order	order	/	/	order													
GSM remote antenna	RXA03X	order	order	/	order	/	order	/													
PSTN cable: RJLL/T	851-99X	order	order	order	/	order	/	/													
PSTN cable: RJ11/(RJ45-RJ-45)	856-99X	order	order	order	/	order	/	/													
ADSL master filter (partial unbundling)	900-99X	/	order	order	order	/	/	order													
IP cameras and/or image transmission detectors	see catalogue	order	order	order	order	/	order	order													
Accessories to be used that are	e not availa	ble in the catalog	ue																		
Mains connection cable for 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module	/	order according to power supply	order	order	order	order according to power supply	order according to power supply	order													
Cable clamp for mains connection cables	/	order according to power supply	order	order	order	order according to power supply	order according to power supply	order													
IP camera video connection cables	/	order	order	order	order	/	order	order													
SIM card	/	order	order	/	order	/	order	/													
Bag of accessories: cable clamp + screws	/	supplied	supplied	supplied	supplied	supplied	supplied	supplied													

4. Dialler SH514AX: Ethernet (ADSL)

Power supplies and accessories to be used	References	Ethernet (ADSL) media
Power supplies from the catalogue to be used		
200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module	RXU01X	supplied
Li-Ion: 3.7 V/1.2 V Li-Ion rechargeable back-up battery	RXU03X	supplied
Accessories from the catalogue to be used		
RJ45/RJ45 Ethernet network cable	830-99X	supplied
ADSL master filter (partial unbundling)	900-99X	order
IP cameras and/or image transmission detectors	see catalogue	order
Accessories to be used that are not available in the catalogue		
Mains connection cable for 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module	/	order
Cable clamp for mains connection cables	/	order
IP camera video connection cables	/	order
Bag of accessories: cable clamp + screws	/	supplied

9. Summary of parameters and commands

Access code parameters

Required parameter-setting

Parameter description	Parameter-setting sequence	Factory parameters	Possible values	Page	Selected parameters
Master code	MMMM * 50 * ? ? ? ? ? * ? ? ? ? **	0000	code with 4, 5 or 6 digits	16	
Installer code	* 51 * ? ? ? ? * ? ? ? ? **	1111	code with 4, 5 or 6 digits	16	
Remote monitoring centre code	RRRR * 52 * ? ? ? ? * ? ? ? ? **	2222	code with 4, 5 or 6 digits	16	
Video code (if video is used)	MMMM * 53 * VVVV * ? ? ? ? * ? ? ? ? **	4444	code with 4, 5 or 6 digits	-	-
Number of access code digits	* 69 * ? **	4 digits	code with 4, 5 or 6 digits	15	
Deletion of all access codes (1)	* 196 ***	-	Return to factory access codes	16	

(1) The access codes can only be deleted within the 30 minutes following dialler power-up

MMMM = master code

| | | | = installer code

RRRR = remote monitoring centre code

VVVV = video code (if video is used)

• To check programming, enter:



• To delete programming, enter:





• For security reasons, the keypad automatically switches back to user mode after 4 hours without a command being issued.

• If 5 wrong codes are entered in less than 5 minutes the keypad will be blocked for 5 minutes and notification that a wrong code has been entered will be issued.

Dialler parameters

Required parameter-setting

			· · · · · · · · · · · · · · · · · · ·		
Parameter description	Parameter-setting sequence	Factory parameters	Possible values	Page	Selected parameters
Indication sound level	* 11 * ? **	average (= 4)	from 1 to 8	11	
Tamper alarm acknowledgement in installation mode	* 14 * ? **	1: enabled	0: disabled 1: enabled, triggering of telephone transmission	11	
Validation of message content on 1 or 2 bands	* 15 * ? **	1: validation if 2 radio bands	0: validation if at least 1 radio band 1: validation if 2 radio bands	-	
Selection of speech synthesis language	* 17 * ? **	0: français	0: French 1: Italian 2: German 3: Spanish 4: Dutch 5: English	11	
Detection of communication network interruption	* 26 * ? **	1: enabled (back-up transmission)	0: disabled 1: enabled (back-up transmission)	20	
Radio jamming tamper transmission	* 27 * ? **	1: enabled	0: disabled 1: enabled	20	
Radio link fault indication	* 28 * ? **	1: local indication + transmission	0: disabled 1: local indication + transmission	20	
Blue light indication	* 34 * ? **	1: enabled	0: disabled 1: enabled	19	
Command button personalisation	* 58 * T * n° * access **	4 customisable command buttons: • armed • off • armed partial 1 • armed partial 2 1 = access via code	T: press button to be personalised (see Description) n°: command number (see Personalisation of command button) access: 0 = direct access 1 = access via code	19	
Personalisation of a command button for group arming or disarming	* 58 * T * n° * G * access **	4 customisable command buttons: • armed • off • armed partial 1 • armed partial 2 G = 0 1 = access via code	T: press button to be personalised (see Description) n°: command number 121: group(s) off 123: group(s) armed G = group(s): from 1 to 8 (1) access: 0 = direct access 1 = access via code	19	
Date	* 70 * DD * MM * YY **	-	day = DD: from 1 to 31 month = MM: from 1 to 12 year = YY: from 0 to 99	15	
Time	* 71 * HH * MM **	-	hour = HH: from 0 to 24 minute = MM: from 0 to 59	15	
Recording personalised voice message for groups	* 131 * group n° # "message" # "message repeated" *	no pre-recorded message	max duration: 3 s	18	
Deletion of a recognised product	* 194 * TP * n° **	-	TP = type of product 2: detector n°: product n°	20	-
Overall deletion of recognised products	* 195 ***	_	-	20	-
Deletion of parameters (recognition programming kept)	* 197 ***	_	return to factory programming	-	-

Summary of commands

Description of keypad command	Parameter-setting sequence	Modes via keypad	Page
System status query	#4##	all	5, 16
Vocal consultation of stand-alone dialler events log	# 10 # #	all	22
Checking recognition programming of products recognised by the dialler	# 11 # #	installation	-
Identification and software version: of control panel or stand-alone dialler	# 503 # #	all	2
Identification and software version of transmission module	# 603 # #	installation or test	-

KEY: X: indicates that the function is available whatever the dialler.

PSTN (for example): indicates that the function is available with PSTN media.

Dialler technical specifications	SH511AX PSTN + ADSL	SH512AX GSM/GPRS + ADSL	SH513AX PSTN +GSM/GPRS +ADSL	SH514AX ADSL
Radio link		•	•	
TwinBand® radio, 400/800 MHz		:	x	
Transmission mode	-	l.	1	
PSTN network: protocol, voice message to individual correspondent / FSK 200 bauds and contact ID for remote monitoring centre	PSTN		PSTN	
GSM network: protocol, voice message and/or SMS to individual correspondent / contact ID for remote monitoring centre		• GSM	• GSM	
GPRS network: ViewCom IP protocol for transmission of alarm and alarm films to remote monitoring centre		• GPRS	• GPRS	
Ethernet network (ADSL): protocol, ViewCom IP for transmission of alarm and alarm films to remote monitoring centre as well as listen-in and talk- back/speak-out	ADSL	ADSL	ADSL	ADSL
Transmissions		•		
 3 call cycles to 2 or 3 telephone numbers or IP addresses with up to 5 call attempts per number when calls are not acknowledged (20 digits max per n°) 8 programmable IP addresses or telephone numbers in the event of an alarm 		1	x	
1 system correspondent telephone number		GSM/GPRS	GSM/GPRS	
Transmission of alarm films via IP remote monitoring	ADSL	GPRS/ADSL	GPRS/ADSL	ADSL
Transmission of alarm films from image transmission detectors and/or compatible IP cameras linked to the dialler	ADSL	GPRS/ADSL	GPRS/ADSL	ADSL
Transmission of up to 5 JPEG pictures via MMS for calls to individuals		GSM MMS option	GSM MMS option	
Programmable test cycle call (start and period of 1 minute to 31 days)	ADSL	GSM/GPRS/ADSL	GSM/GPRS/ADSL	ADSL
centres (and to individual correspondent via SMS with GSM)		:	x	
1 to 8-digit identification number for calls to individuals	PSTN	GSM	PSTN/GSM	
4 to 8-digit identification number for calls to remote monitoring centre	ADSL	GPRS/ADSL	PSTN/GSM- GPRS/ADSL	ADSL
Battery status supervision and dispatch of message if fault			x	
Encrypted transmission of data and videos		:	x	
General parameter-setting mode	1			
Locally via dialler programming key Locally via computer with TwinLoad® software connected to dialler via the configuration tool and control panel			x x	
Remotely from a computer with TwinLoad® software connected to dialler via the Internet	ADSL	GPRS/ADSL	GPRS/ADSL	ADSL
Programming mode for compatible IP video cameras				
Locally by a computer equipped with the TwinLoad® software and connected on the customer's Ethernet network	ADSL	ADSL	ADSL	ADSL
General data		•	•	
8 groups		:	x	
1 built-in programming keypad			x	
1 built-in microphone and 1 built-in loudspeaker for recording and listening to personalised messages		:	x	
1 built-in microphone and 1 built-in loudspeaker for listening to background sounds and using the remote talk-back/speak-out function		:	x	
3 x 4 to 6-digit dialler access codes (installer, remote monitoring centre and user)			x	
1 video consultation access code			X	
Built-in speech synthesis: choice of 6 languages			x	
Automatic switch between summer and winter time				
Number of image transmission motion detectors: 40 max.	ADOL		x	ADOL
Personalisation of welcome message (in this case the message replaces the identification message)			x	
Personalised voice messages for products (only with control panel S.I.T.E. module)			x	
Specific voice messages for 8 alarm groups (1)			x	
Remaining credit monitoring function with prepaid card		GSM	GSM	
Time and date-stamped events log: 1000			x	
Remote control operation over the phone				
Remote commands issued over the phone	PSTN	PSTN/GSM (2)	PSTN/GSM (2)	

(1) Depending on the control panel used. (2) With GSM: only if the dialler is mains-powered.

Dialler technical specifications	SH511AX PSTN + ADSL	SH512AX GSM/GPRS + ADSL	SH513AX PSTN +GSM/GPRS +ADSL	SH514AX ADSL
Anti-tamper system				
Protection against dialler opening and removal		2	x	
Protection against mains power cuts depending on media used		2	x	
Protection against communication network interruptions (PSTN, GSM interference, Ethernet) depending on media used		2	x	
Protection against jamming and radio interference		2	x	
Protection against attempts to crack the radio code		2	x	
Environmental class				
Class II according to standard EN 50130-5		2	x	
Operating temperature				
-10 to +55 °C	Х			
Security grade				
Grade II according to standard EN 50131-3		2	x	
Degree of protection				
IP31 and IK04		2	x	
Environment				
For indoor use 🖒		2	x	
Degree of pollution: 2		2	x	
Overvoltage category: II		2	x	
Maximum altitude: 2,000 metres		2	x	
Humidity range				
Average rate of humidity from 5% to 75% without condensation at 25°C		2	x	
Product dimensions (L x H x D)				
232 x 232 x 67,7 mm		2	x	
Packaging dimensions (L x H x D)	•			
240 x 310 x 95 mm		2	x	
Weight (without power supply unit)				
1200 g		2	x	
Power supply				
 According to media used: BatLi22 2 x (3.6 V, 13 Ah) lithium power pack or BatLi22 2 x (3.6 V, 13 Ah) lithium power pack backed up by 3.7 V 1.2 Ah Li-lon buffer battery or 200-240 VAC 50-60 Hz / 4.5 VDC 2.2 A internal mains power module backed up by 3.7 V/1.2 V Li-lon battery 		see chapter on	Power supplies	

Battery life

Mains power supply + 1.2 Ah Li-Ion rechargeable back-up battery (5 year service life)	Battery life	Duration with back-up	Charging time
All diallers (grade II type A according to standard EN 50131-6RTprime_certif_2009_III)	-	36 h depending on functions used	72 h

BatLi22 lithium pow	er pack	Media used				
Type of dialler/media	available	PSTN only	GSM/GPRS only	GSM/GPRS+PSTN		
SH511AX	PSTN+ADSL	А	-	-		
SH512AX	GSM/GPRS+ADSL	-	В	-		
SH513AX	PSTN+GSM/GPRS+ADSL	A	В	В		

(A) For BatLi power supply: 5 years in normal conditions of use
1 test cycle call/day (SMS message only),
10 events/year with listen-in and talk-back/speak-out,
4 daily transmission of Arm/Disarm commands

(B) For BatLi + compulsory Li-Ion:

- 5-year battery life for calls to individuals via GSM, with (1):
- 1 test cycle call/day,
- 10 events/year with listen-in and talk-back/speak-out;
- 4-year battery life for calls to remote monitoring centres via GPRS, with (1):
 1 test cycle call/day,
 10 events/year with listen-in and talk-back/speak-out;

(1) The battery life is calculated taking into account the average product consumption. Because consumption depends on the quality of the GSM network (closeness of GSM relay), battery life may be greater or smaller than that specified above.

Description of symbols

CE	The product complies with basic safety, health and environmental protection requirements.
Electrical shock hazard	Electrical hazard.
Li	To prevent any damage to the environment or harmful effects on health, this product must not be placed in an ordinary bin or thrown out with normal household waste. It must be taken to an appropriate waste collection, recycling and management point. Lithium batteries contain substances that can pollute the environment. They must therefore be taken to a certified waste battery disposal point.
	The power supply used must have a 230 V rating with no earth connection and display this double insulation symbol.
	For indoor use only.
Â	The note must absolutely be consulted before installation, use and maintenance of the equipment.
	Ethernet network cable (ADSL)
220V	220 V mains cable
ß	Telephone network cable
	External GSM antenna cable



Summary table of programming performed (to be filled in)

Customer sheet

Surname and First Name:						
Address:						 _
	 _ Tel.: [
Operator name:	 _ Tel.:					

Telephone numbers

• SH502AX and SH503AX modules: choice between Ethernet or GPRS as main digital media (factory: Ethernet (ADSL)):

• SH503AX: choice between PSTN or GSM as main analogue media (factory: PSTN):_

(The FSK 2000 protocol (PSTN only) and the SMS-MMS protocols (GSM only) do not have any back-up media).

	Programme telephone	Type of ca	I		Listen-in			
	n°/IP address	protocol	identification n°	main media	back-up media	with	without	
N° 1								
N° 2								
N° 3								
N° 4								
N° 5								
N° 6								
N° 7								
N° 8								
N° 9 (*)		SMS/MMS		GSM/GPRS	-	-	-	

(*) System correspondent number (GSM/GPRS only)

Test cycle call

X

1st call (day/month/hour/min)

Period (day/hour/min)

Chosen GSM antenna Internal antenna External antenna

	1	/			
	1/1	1/1	1/1	1 1	
	Jι				

Personalised voice messages

Description	Recorded voice message
Welcome	
Group 1	
Group 2	
Group 3	
Group 4	
Group 5	
Group 6	
Group 7	
Group 8	

This device may have a "(PSTN) public network analogue access" type transmission media. This must be connected to a (TR-3) type Telecommunication Network in the sense of standard EN 60950.

To obtain advice when installing your system or before returning equipment, please contact the Daitem technical support team (see telephone number at the back of the alarm system installation manual) or check the web site at:

www.daitem.co.uk.

A team of qualified technicians will tell you what to do.

	CLARATION OF CONFOR	MITY			13					
Manufacturer: Hager Security SAS Address: F-38926 Crolles Cedex - France										
Product type: D	aller									
Trade mark: Dai	tem									
We declare und	er our sole responsibility the	at the product	to which this	declaration	relates is					
compliant with t	he essential requirements o	of the following	g directives:							
 R&TTE Direct 	ive: 99/5/EEC									
 Low voltage Directive POI 	lirective: 2006/95/EC									
in compliance w	ith the following harmonise	d European s	tandarde:							
	full the following narriorise			0.15/0.11	0.1544.04					
Products coc	e	SH511AX	SH512AX	SH513AX	SH514AX					
EN 300 220-2	V3.2.1	Х	х	X	X					
EN 301 419-1	V4-1-1		Х	X						
EN 301 511 V	9-0-2		Х	X						
EN 50360 (20	01) et AC 2006		Х	Х						
EN 301 489-1	V1.8.1	Х	X	Х	X					
EN 50130-4 (2	2011)	X	Х	Х	Х					
EN 60950 (20	D6)	X	Х	Х	Х					
This product ca	n be used in all EU, EEA Co	ountries and S	Switzerland.		0					
Crolles, 02.01.2	013 Signature: Patrick Bernard Director of Rese	arch and Dev	relopment	-	Ja ss -					

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