

SMARTLOOK

CENTRALIZING-MANAGEMENT SOFTWARE FOR INIM FIRE DETECTION AND ANTI-INTRUSION SYSTEMS



GameOver

inim[®]
ELECTRONICS

INSTALLATION
AND
CONFIGURATION
MANUAL

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ABOUT THIS MANUAL

DCMIINE0SLOOK **MANUAL CODE**
1.00 **VERSION**

Terminology 0-1

The main supervisory unit and the any constituent parts of the security apparatus manufactured by INIM Electronics s.r.l.

The layout or part of the arrangement of the layout of the protected premises. A graphic map can also be an overview.

The constituent parts of the control panel/network (partitions, zones, outputs, expansions, callpoints, detectors, sounder/flashers, etc.). Any constituent parts of the security apparatus manufactured by INIM Electronics s.r.l.

The directions are seen by the operator when directly in front of the mounted device.

Persons whose training, expertise and knowledge of the products and laws regarding security systems, are able to create, in accordance with the requirements of the purchaser, the most suitable solution for the protected premises.

Click on a specific item (from drop-down menu, options box, graphic object, etc.).

Click on a video button/key/icon.

PANEL, CONTROL PANEL, DEVICE

MAP

OBJECT

LEFT, RIGHT, BEHIND, ABOVE, BELOW

QUALIFIED PERSONNEL

SELECT

PRESS

Graphic conventions 0-2

Following are the graphic conventions used in the text:

Indicates the title of a chapter, section, paragraph, table or figure in this manual or other published reference (ex. "paragraph 0-2 *Graphic conventions*").

Similarly marked dialogue boxes contain recommendations and/or guidelines which the manufacturer wishes to call attention to.

The "Note" sections contain important information relating to the text.

TEXT IN ITALICS



Note

Manuals 0-3

You (the installer) should read carefully through this manual and be familiar with all the functions and operating procedures of the SmartLook software. In order to provide adequate protection, you (the installer) must adhere to all the manufacturer's guidelines relating to the active and passive security devices of this system. It is the installer's responsibility to inform the system users that, regardless of its capabilities, an intrusion alarm system is not a substitute for the necessary precautions building occupants must take to prevent intrusion.

You (the installer) should read carefully through the user's manual. Once the system has been installed, you must ensure that the User's Manual is available to the users for consultation, and that they fully understand how the system works and are aware of all the functions, settings and procedures.

INSTALLATION AND CONFIGURATION MANUAL

USER'S MANUAL

Chapter 1

GENERAL INFORMATION

Manufacturer's details 1-1

Manufacturer: INIM Electronics s.r.l.
 Production plant: Via Fosso Antico - Centobuchi
 63033, Montepandone (AP) - Italy
 Tel: +39 0735 705007
 Fax: +39 0735 704912
 e-mail: info@inim.biz
 Web: www.inim.biz

Any persons authorized by the manufacturer to repair or replace any parts or devices supervised by the SmartLook software program, hold authorization to work on INIM Electronics brand devices only.

Description of the software 1-2

SmartLook is a centralizing-management software program for INIM fire detection, fire extinction and intrusion-control systems.

It contains two distinct applications: one for the system configuration and the other, in support of the user, for the supervisory functions.

Table 1: **Technical features**

Hardware	• Pentium processors 4 (3.2 GHz) • Ram 2 GB • Voice board
Operative syistem	• Windows 2000 Professional (after installation of Microsoft Data Access Component (MDAC) 2.8 or successive release) • Windows XP, XP 64 • Windows Vista, Vista 64 • Windows Seven, Seven 64
Hard disk space	500 MB
Maximum number of supervised control panels	25
Connection interface	• RS232 • Ethernet
Access levels	• Administrator • Supervisor • Standard user
Recommended video resolutions	• 800 x 600 • 960 x 600 • 1024 x 600 • 1024 x 640 • 1024 x 768 • 1152 x 964 • 1280 x 720 • 1280 x 768 • 1280 x 800 • 1280 x 960 • 1280 x 1024
Client-server	No
Multilanguage	Yes



The SmartLook program offers a vast application spectrum. Its modularity makes it ideal for industrial, commercial, home-automation and residential applications

A typical application is the centralized-supervision of several installations stationed in separate buildings or even different locations. Other common applications are hotel receptions, congress centres, shopping malls and places where the constant supervision of a fire/security system is required.

The SmartLook software program, thanks to its user-friendly interface is also capable of playing a key role in home-automation installations. In fact, when it is combined with the management software of a SmartLiving intrusion-control panel, the home computer can actually become "house manager" and thus take full advantage of the true potential of the SmartLiving series control panels.

The SmartLook supervisory software uses graphic maps linked together in a 'tree' structure. Each map accepts an arbitrary number of objects. The objects can be supervised elements (detectors, partitions, zones, outputs, etc.), a link to another map or web page (VCR web interface) or a command button with access level control.

The system allows the operator to choose from 3 different notification levels (depending on the importance assigned by the programmer) for events linked to objects represented by icons:

1. Modification of the icon.
2. Modification of the icon and flashing on the icon and on all the graphic-map links it is connected to.
3. Display of a fully-configurable pop-up page using HTML language (Hyper-Text Markup Language). This makes the system completely configurable and consents to the insertion, for example, of Java applets which allow the operator to view the streaming of an IP camera.

The operator can interact with the system in realtime. In intrusion control systems, for example, it will be possible to control the status of the inputs, activate the outputs and implement operations such as: arm, disarm, bypass, output activation, etc.

This is achievable through the command functions, which allow the operator/user to work on the supervised system via the icons of the objects indicated on the map or by means of specific buttons defined during the configuration phase.

The SmartLook software integrates video capabilities and consents to the incorporation of telecameras and DVRs with IP network web interfaces.

The SmartLook software is capable of importing the system configuration by reading it directly on the control panel, or importing it from the database of the SmartLeague software thus reducing programming time considerably.

The system provides uncomplicated self-diagnosis functions which allow the operator to verify the status of communication between the software and control panels.

Software requirements

To operate properly, the SmartLook software applications require a .NET Framework 2.0. platform. If your computer is equipped with Windows Vista or Windows Seven, this platform is already provided by the operative system. However, if your computer is equipped with a different operative system, the .NET Framework 2.0 platform may not be present. If this is the case, its installation is required.

Following is a list of operative systems supported by .NET Framework 2.0 (details available on the Microsoft website):

Windows 2000 Service Pack 3; Windows 98; Windows 98 Second Edition; Windows ME; Windows Server 2003; Windows Vista Business; Windows Vista Business 64-bit edition; Windows Vista Enterprise; Windows Vista Enterprise 64-bit edition; Windows Vista Home Basic; Windows Vista Home Basic 64-bit edition; Windows Vista Home Premium; Windows Vista Home Premium 64-bit edition; Windows Vista Starter; Windows Vista Ultimate; Windows Vista Ultimate 64-bit edition; Windows XP Service Pack 2.

Windows Installer 3.0 (with the exception of Windows 98/ME which requires Windows Installer 2.0 or successive editions). Windows Installer 3.1 or successive editions is recommended.

APPLICATIONS

GRAPHIC MAPS

NOTIFICATION LEVELS

COMMANDS

FUNCTIONS AND CAPABILITIES

1-3

.NET FRAMEWORK

WINDOWS INSTALLER

Microsoft Internet Explorer 5.01 or a successive edition must be installed before installing .NET Framework.

MICROSOFT INTERNET EXPLORER

User levels

1-4

The system is capable of managing different user levels:

Administrator level provides access to the configuration process and all the graphic maps (viewing and command operations).

ADMINISTRATOR

Supervisor level provides access to part of the configuration process. Access to the graphic maps is subject to the rules applicable to standard users.

SUPERVISOR

Standard level does not allow access to the configuration process. Viewing of the graphic maps may be: denied; allowed; allowed together with command operations (full access). If a standard user does not have access to a specific map, then the same user will not have access to any of the maps linked to it. Therefore, all the events generated by the objects contained in an inaccessible map will be disregarded.

STANDARD USER

Chapter 2

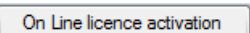
LICENCE ACTIVATION

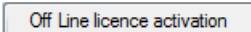
The SmartLook software can be downloaded from our website (<http://www.inim.biz>). The downloaded software is linked to a demo licence.

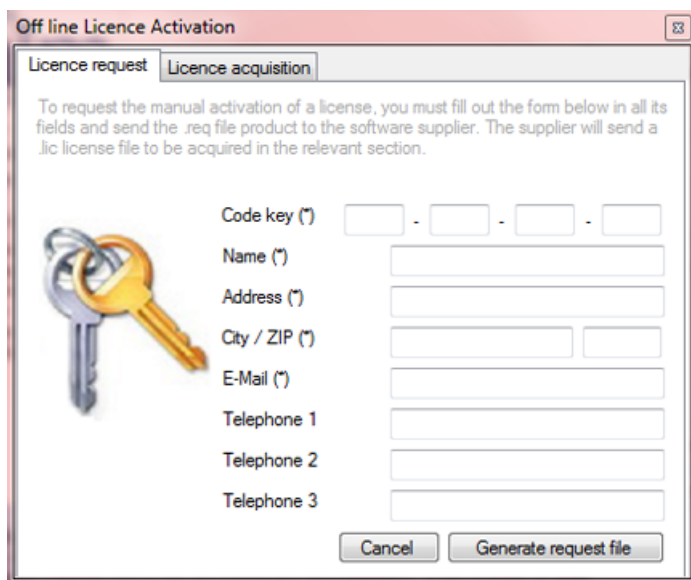
The demo licence has an expiration time and allows you to carry out all the configuration operations for an arbitrary number of control panels, the monitoring period runs for 30 successive minutes. The application will close when the 30 minute monitoring period ends.

The licence can be activated by entering a 12 digit "CodeKey" (XXX-XXX-XXX-XXX) provided by INIM Electronics s.r.l.. The licence is valid for a certain number of control panels (fire detection or intrusion). Further activations of the licence increase the number of control panels which can be configured and managed.

To enter the code, once the program has been successfully installed and started (refer to *Chapter 3 - Basic Configurations*), press  to access the configuration application and select the "About SmartLook" option.

Press  and enter the code; the licence will be activated OnLine.

If an Internet connection is unavailable on the computer in use, activation can be obtained OffLine. In this case, press . From the "Licence request" section, enter the required data in the editable fields (asterisks "*" indicate the mandatory fields):



The licence request generates a file, in .req format, to be sent to INIM Electronics s.r.l. by e-mail to licensing@inim.biz. In response, you will receive .lic file which you will be able to purchase in the "Licence acquisition" section in order to activate the licence.

Always contact Electronics s.r.l. before formatting or transferring the licence to another PC, as it must first be unlocked.

DEMO LICENCE

ACTIVATION

Chapter 3

BASIC CONFIGURATIONS

Installation 3-1

Execute the installation file smartlook-XXX-setup.exe (XXX indicates the software edition).

Once the program has been successfully installed on your PC, a SmartLook.exe link will be created on your desktop which will allow you to start the program.



On first startup of the monitoring phase, press , or configuration, press . It will be necessary to enter the ID of the default user ("admin", "admin") as user name and password.

The program uses English at default. If you wish to change the language, go to "Utility > Application Settings" and select the required language.

Accessing the program 3-2

Access is allowed only after User Login.

The following configuration procedures can be accessed by Administrator users only (including the default "admin" user).

Network configuration 3-3

First of all, you must configure all the networks present in the system. A SmartLook network is a device or group of devices which can be controlled via a single communication channel, for example: an intrusion control network comprises a SmartLiving control panel, whereas, a fire detection network can be made up of several SmartLoop control panels linked together in a "Hornet" network.

To access the system configuration phase, press and select "Network management" from the "Standard settings" menu. After which, select the "New network" section to access the new-network configuration wizard.

Specify the type of network you require (SmartLoop fire-detection network, SmartLine fire-detection network, SmartLiving intrusion-control network), a description, the type of control panel (SmartLoop, SmartLine, SmartLiving 515, 1050 or 10100) and the communication channel (serial port, SmartLAN ethernet interface, LAN/serial adaptor). Once you have completed this procedure and exited the wizard, your new network will be created. The newly-entered values can be changed via the "Network configuration" section, on the left-hand side of the window.

Once you have configured the network, you must then configure the control panels which are part of it. You can select the control panels which are to be added or removed from the network from the section on the right (selected control panels are indicated by).

The requested parameters for each control panel are:

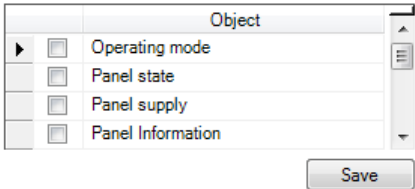
- **Description**, this is the label which identifies the control panel.
- **Address**, this is the address applied by the control-panel programmer which identifies the individual control panel within the network (precisely, a SmartLoop within a Hornet network).
- **PIN**, this is the user ID.
- **Request PIN**, if enabled, commands will not be carried out until the user PIN is entered (this option is enabled at default for SmartLiving control panels). If disabled, commands will be carried out even without user PIN entry).

SmartLook software program will not allow users to work on partitions they are not assigned to by the control-panel programmer. Therefore, disablement of the "Request PIN" option is advantageous only for users who are assigned to (can control) all the partitions and outputs.

You must configure the objects of each control panel which constitutes the real-system. The objects will appear as icons on the the graphic maps and can be monitored through changes in the icons.

Select the control panel then select the configuration mode from the three available:

- Selection of the objects from the "Object" table. You can change the object labels in order to help you identify them more easily.
- Importation of the configuration data from files generated by INIM's SmartLeague software suite (programming and management software).
- Direct download of the control-panel configuration data, that is, if connected to the control panel via one of the above-mentioned communication channels.



If you select the "Read from panel" method and are configuring several SmartLoop fire-control panels in a Hornet network, all the control panels in the network will be read and configured. Therefore, this single operation completes this phase. The operation may take some time, depending on the number of loops and control panels being configured. However, If you are configuring SmartLine intrusion-control panels, this operation only takes a few seconds.

The direct download method from the control panel also allows you to test the connections beforehand.

For the complete list of all the monitored objects and icons which represent them, refer to *Appendix A, Monitored objects*.

NEW NETWORK

Create a new network - Remove an existing



New network



Delete networks

Configured networks



SLiving



SLoop

CONTROL PANELS

Panels

Description	Add	PIN	Request PIN
SLoop	0		☐
> <new panel>	0		☐

Add

Delete

Save

Note

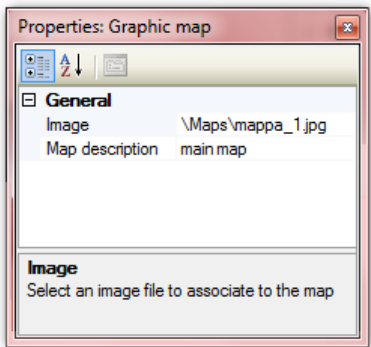
OBJECTS

Map management

3-4

This section allows the operator to create a layout of the premises where the security systems (identified as configured networks) are installed.

The graphic maps are identified by a description and an image file and are connected by links which create a tree structure which starts from the "main map".



You can access the "Main map" via the system configuration by pressing  and selecting the "Map management" option from the "Standard settings" menu. No image is present on first access. The map can be configured by clicking-on  "Properties" on the toolbar. A window will appear which will allow you to modify and change the description of the map and import the image which represents the map.

The main map allows you to add links to other maps. From the "Objects" menu (on the right), select "Link to graphic map" from under "Common controls" and locate and size the link, represented a rectangular, red frame. Press the Ctrl key on the computer keypad and the left button on the mouse simultaneously to start the link-configuration wizard.

The wizard will allow you to create new maps, add links to an existing map, or a connection via the URL which will allow access to a web page or a video-surveillance system equipped with a web interface.

To move between maps in the configuration, press the Ctrl key and the left button on the mouse simultaneously and access a link, double click-on the map to return to a higher level.

The "Objects" menu (on the right) also provides all the control panels and objects defined during the network configuration phase. To add the objects to the maps, click-on the object and then click-on the spot where you wish to locate it. If you double click-on the object on the menu, the objects will be located in the centre of the map.

The SmartLook program allows you to add "Command buttons" to the system and control the objects (implement the commands associated with the objects).

From the "Objects" menu (on the right), select "Command button" under "Common controls" and locate and size the command button. To define a generic command for the selected command button, press the Ctrl key and the left button on the mouse and follow the instructions provided by the wizard. To change the properties of the command button, press .

The presence of command buttons depends on the level of access the user has to maps, as described in paragraph 4-3 *User Management*.

You can find a complete list of the commands allocated to each type of control panel in *Appendix B, Commands*.

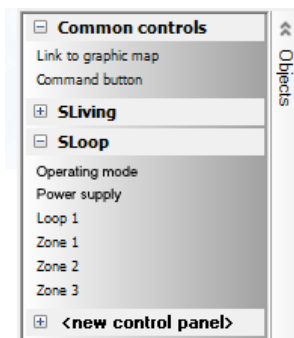
Each object, link or command button can be re-sized and relocated on the map. For these purposes, the SmartLook program provides the following functions on the toolbar:

-  to save the ongoing configuration
-  to open the attributes window of the selected object
-  to delete the displayed map (this function does not apply to the "Main map")
-  alignment tools for the selected objects
-  sizing tools for the selected objects

Save frequently during the configuration phase.

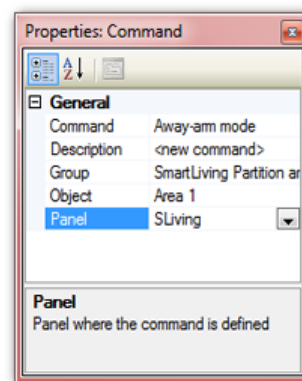
MAIN MAP

LINKS



OBJECTS

COMMAND BUTTONS



Note

Chapter 4

ADVANCED SETTINGS

A group of conditions is defined for each of the objects configured and located on the maps. These conditions assume various values, in accordance with how the system has been programmed and the incidence of the events which involve the objects. The "Advanced settings" allow you to manage the status (conditions) of the objects and the signalling of changes in the values relating to these conditions.

Access system configuration then press . The "Advanced settings" menu (on the left side), provides three options: "Status management", "Image management", "User management".

Status Management 4-1

This section allows you to define the actions associated with the status of each object. The SmartLook program provides 3 different event-notification levels:

- **Basic**, this notification method uses images which indicate the status. Any change in status is signalled by an image change. For instructions regarding the image selection refer to paragraph 4-2 *Image management*.
- **Blink**, this notification method uses visual signal (blinking). When the object reaches a particular status, its icon will start to blink in unison with the maps it is associated with.
- **Warning page**, this notification method uses a visual signal (screen change). When the object reaches a particular status, a "Warning page" will appear accompanied by an audible signal.

All the configured networks are shown in the section on the the right side of the window. Each network specifies the control panels it comprises and all the objects in configuration. You can select the object you wish to configure from this section.

Once you have selected the network, control panel or object from the section on the left side of the window, all the conditions (status), and the values these conditions can assume, will be shown.

After selecting the status, assign the required action ("Blink" and/or "Warning page") by ticking the respective check box. Any status assigned to an "Warning page" will be highlighted in red.

The type of signalling selected for a specific status of any object will apply to all objects of the same type. For example, if "Warning page" notification is selected for partition tamper events, this setting will be valid for all the partitions of all the control panels in the network.

You can distinguish signalling on individual objects by creating a differentiated "Warning page" which allows you to customize an event related to a particular object (for example, through the connection of a specific IP camera).

However, it is impractical to define an excessive number of events with "Warning page" notification, as such a situation would create confusion and make the system almost unworkable on account of the number of control panels being monitored.

At default, some events are already associated with "Blink" notification and others with "Warning page" notification. Default settings can be changed to suit customer requirements.

SLoop

Description	Addr	PIN	Type
SLoop	0	1	
<new panel>	0	1	

Object

- Operating mode
- Panel supply
- Loop 1
- Zone 1
- Zone 2
- Zone 3

Status	Value
Zone fault	OFF
Zone State	ON
Zone State	OFF
Zone State	ON (Output active)
Zone Test	OFF

☒ Set the warning page for the event

☒ Blinking object

File .Wav

Create new page

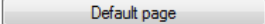
Manage page

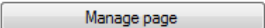
The "Warning page" is divided into four sections (for instructions on how to use of this page, refer to the *User's Manual*):

- The two sections on the right provide two reduced-sized, interactive layouts of system (virtual systems).
- The bottom left section provides the events log. Only the events generated during the time the user is working on the SmartLook program will be shown. However, "Administrator" users can view all the events.
- The top right section displays a fully-configurable page in HTML language (HyperText Markup Language). This makes the system completely configurable and allows the user to customize the events one by one, it also and consents to the insertion of Java or ActiveX applets.

You can configure the HTML page through HTML editor.

You can create a new HTML page solely for a selected event and object by pressing  , or can change the default page (changes will apply to all the objects of the same kind), by pressing

.

Access the editor by pressing .

The following tags can be applied during the page-configuration phase. These are the key terms which are used by the SmartLook program in accordance with the event signalled by the object:

Tag	Variable
SMARTLOOK_DATAORA	Date and time of the event
SMARTLOOK_CENTRALE	Name of the control panel which reported the event
SMARTLOOK_OGGETTO	Name of the object which triggered the event
SMARTLOOK_INFO1	Value read by the object which triggered the event
SMARTLOOK_INFO2	Unit used to measure the value read by the object which triggered the event

WARNING PAGE

HTML EDITOR

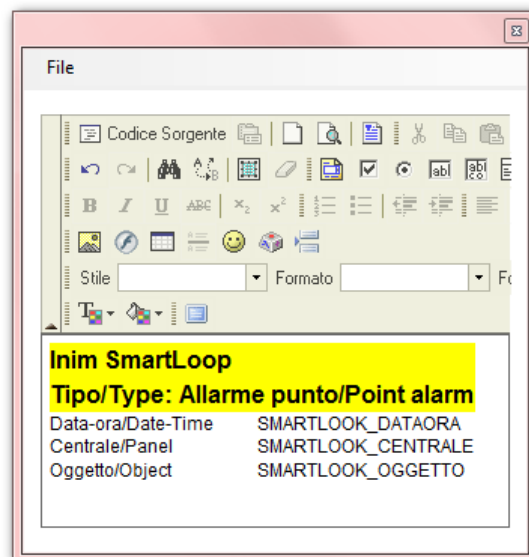


Image management

4-2

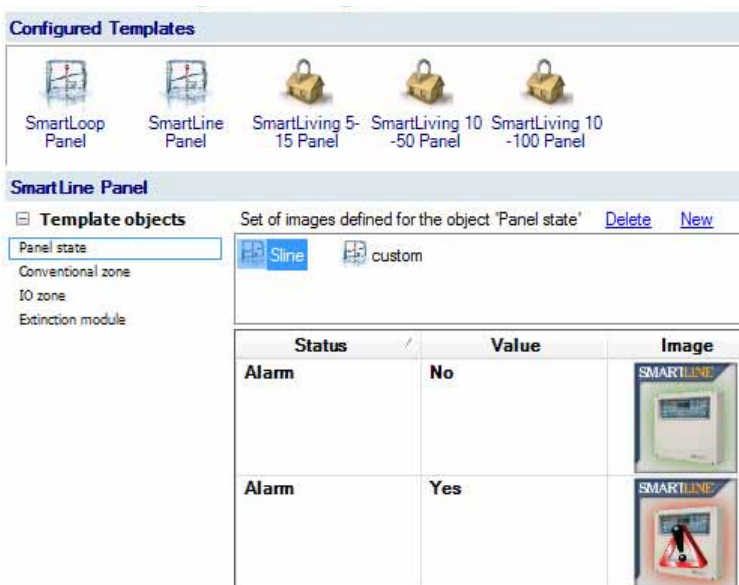
In order to allow full customization of the SmartLook program, the user is allowed direct management of all the icons (placements, size and choice of image) which represent the objects on the maps.

It is possible to define a set of images (a group of images assigned to each object status) for each type of object. The users can create further sets of images to add to the non-modifiable one provided, by simply pressing the "New" button.

After selecting a set of images (template) and a category of objects, you can access the template wizard and create a new set by pressing "New".

If you select the newly created template, the default images will appear. To access image selection, double click-on the image you wish to change. The images used during this phase are in bitmap format (.bmp). Therefore, for best performance, it is advisable to use 100 kB images (approx.).

To apply the selected images to the maps, first complete the set (template) then select the object from "Map management" and press ; at this point, select the desired set from under "Images set".



User Management 4-3

The SmartLook program has a predefined, fixed "Administrator" account whose ID and password is "admin". The ID and password of this account can be changed, but its role as "Administrator" cannot.

To create a new user, go to the "User management" and click-on **Add...**. The screen that appears will allow you to create a new user by filling in the programming fields (Login, User name and Password are mandatory) and selecting a role (access level).

To establish the access level of standard or supervisor users to the maps, you must access the User information window (double click-on **Properties**) in the "Map access" section.

At default, all Non-Administrator users have fixed access to viewing the main map but access to all other maps is denied (☐). Click-on the respective map checkboxes to authorize viewing (☒) , double click for complete access (☐).

Configured users

	Login	User name	Profile
▶	admin	Administrator	System administrator
	User1	Installer	Supervisor user
	User2	Watchman	Standard user

Add...

Remove

Properties

User information

User info

Map access

Map

☒ main map

☒ Offices

☒ Warehouse

☐ Show room

☐ inim.biz

main map - Partial Access: Only display

Save

Cancel

Chapter 5

UTILITY

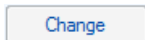
The SmartLook program provides the "Administrator" user with a series of ancillary functions which optimize program operations and monitoring activities.

After accessing the configuration phase, press , the menu on the left (under "Utility"), provides four activities: "Application settings", "Events Log", "Diagnostics" and "About SmartLook".

Application settings 5-1

This section will allow you to select the general settings of the application.

Access this section to change the Language used by the application. Click-on "Application settings", select the desired language from the list then press

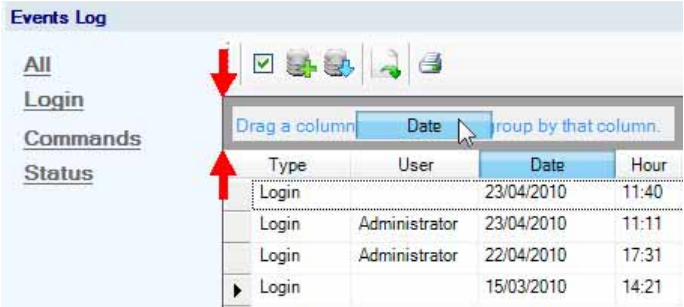


Language	
	Description
	Czech
	English
	German
	Hungarian
	Italian
	Polish
	Romanian

Events log 5-2

The SmartLook program provides an event log where all the events which involve the program (user access and command operations on the system) and notifications from the monitored systems are saved.

The events and notifications are listed in a table in the "Events log" section. The event details are divided into separate fields and various columns on the table. Using the mouse arrow, you can drag the column headers and drop them to the grey strip above the table ("Drag a column header here to group by that column"), in order to view a group of events, depending on the selected field. To exit the viewing phase, drag the column header out of the grey strip.



Events Log			
All	Login	Commands	Status
Type	User	Date	Hour
Login		23/04/2010	11:40
Login	Administrator	23/04/2010	11:11
Login	Administrator	22/04/2010	17:31
Login		15/03/2010	14:21

The events can be further sub-divided into three groups:

- **Login**, all user Login and Logout operations.
- **Commands**, all user Command operations on the various control panels in the different networks.
- **Status**, all the event notifications signalled by an "Warning page". This group of events coincides with the data displayed on the bottom left of the "Warning page" (refer to paragraph 4-1 *Status Management*).

It is useful the "Administrator" user to be able to remove events from the events log, thus reducing the number of events listed, and save them to a historical archive.

HISTORICAL ARCHIVE

The SmartLook program provides two methods which allow this operation:

- The selected events are moved to a "Historical archive" table
- The selected events are saved to a .xml file

The program provides buttons for management of the archive:

- , select all the events shown in the events log
- , save the selected events to the "Historical archive"

-  , create the .xml files for the selected events
-  , view the events in the "Historical archive"
-  , load .xml files
-  , view the events in the running "Historical archive"
-  , print the events displayed.

It is advisable to archive the events on a monthly basis to the "History register" (first level) and annually to the .xml file (second level).

Diagnostics 5-3

This section provides the diagnostic actions which simulate the communications between the supervisor and the control panel with the aim of identifying any problems.

Select the network and press  , the SmartLook program will carry out three different communication tests:

- **Driver**, tests the communication with the driver and verifies the availability of the TCP-IP ports for communication with the driver.
- **Connection**, tests the connection with the control panel using the configured communication channel.
- **Communication**, - tests the data exchange with the control panel using the driver.

If all three tests give positive results (), no problems have been found.

If, instead, any of the tests give negative results (), the SmartLook program will display a message signalling test failure and will advise you to check the system and communication channels in order to find the possible causes of test failure.

The test procedure should be carried out three times in order to ensure the perfect working order of the system.

Note

"About SmartLook" 5-4

The "About SmartLook" window provides information regarding the program version and licence.

From this window you will be able to activate the licence (refer to *Chapter 2 - Licence activation*), and view the following information:

- PC imprint, that is, the hardware identifier of the PC in use
- The key, the registered holder and expiry date of the licence
- The number of configurable control panels, indicated in the "Other" field; the first value indicates the number of fire-control panels and the second the number of intrusion-control panels).



Appendix A

MONITORED OBJECTS

Table A - 1: SmartLine control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Control panel	Communication	Operating		Standby status	Sprinkler	No	Standby	
		Serial / ethernet fault		The communication between the control panel and the user's PC has been interrupted.		Yes		A "sprinkler" zone has activated and is signalling alarm to the control panel.
	Alarm	No	Standby		Supervision	No	Standby	
		Yes		An input point, programmed for alarm activation has activated.		Yes		A "supervised" zone has activated
	Gas alarm	No	Standby		Change class	No	Standby	
		Yes		A "gas" zone has activated and is signalling alarm to the control panel.		Yes		The "Change Class" signal is active.
	Pre-alarm	No	Standby		Silence	No	Standby	
		Yes		An input point, programmed with a pre-alarm time, has activated.		Yes		The sounder/flashers connected to the control panel have been silenced.
	Pre-alarm gas	No	Standby		Bypass telephone dialler	No	Standby	
		Yes		A "gas" alarm input point has activated and exceeded the pre-alarm threshold.		Yes		The telephone-dialler activation output has been disabled.
	Fault	No	Standby		Day/Night mode	No	Standby	
		Yes		A system fault condition is active.		Yes		The control panel is operating in night mode.
	Bypass	No	Standby		Network fault	No	Standby	
		Yes		At least one of the system components (zone or output) has been bypassed.		Yes		Mains failure.
	Test	No	Standby					
		Yes		At least one of the system zones is in test mode.				
Conventional zone I/O Zone	Alarm	No		Standby status	Bypass	No	Standby	
		Yes		The zone has detected an alarm.		Yes		The zone has been bypassed (disabled)
	Gas alarm	No	Standby		Test	No	Standby	
		Yes		The "gas" zone has detected an alarm condition.		Yes		The zone is in test mode.
	Pre-alarm	No	Standby		Sprinkler	No	Standby	
		Yes		The zone programmed with a pre-alarm time has activated.		Yes		The "sprinkler" zone has detected an alarm condition.
	Pre-alarm gas	No	Standby		Supervision	No	Standby	
		Yes		The "gas" zone has activated after exceeding the pre-alarm threshold.		Yes		A "supervised" zone has activated
	Fault	No	Standby		Change class	No	Standby	
		Yes		The zone has signalled a fault condition.		Yes		The zone has activated a "Change class" signal.

Table A - 1: SmartLine control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Extinction board	Extinction	No		Standby status	Bypass automatic-extinction	No	Standby	
		Yes		The extinction board has activated the extinction phase.		Yes		Automatic-extinction has been disabled.
	Pre-extinction	No	Standby		Flow detected	No	Standby	
		Yes		The pre- extinction time is running.		Yes		A flow detector has sensed the flow of fire-extinction gas.
	Fault	No	Standby		Confirm extinction	No	Standby	
		Yes		A component of the extinction system has signalled a fault.		Yes		Extinction has been carried out successfully.
	Pressure valve	No	Standby		Manual extinction	No	Standby	
		Yes		The pressure level of the extinction-gas is too low.		Yes		The extinction phase has been activated manually.
	Bypass extinction	No	Standby		Block extinction	No	Standby	
		Yes		A component of the extinction system has been bypassed.		Yes		Extinction inhibited.
	Bypass manual extinction	No	Standby					
		Yes		Manual-extinction has been disabled.				

Table A - 2: SmartLoop control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Control panel operating mode	Day/Night mode	Day mode		Standby status	Telephone dialler	OK	Standby	
		Night mode				Fault		A fault has been detected on the dialler or telephone line.
	Test mode	OFF	Standby			Disabled		At least one of the dialler functions has been disabled.
		ON		At least one of the system parts is in test mode.		Alarm report		Ongoing alarm communication
	Programming mode	OFF	Standby			Fault report		Ongoing fault communication
		From panel		Indicate that the control panel is undergoing programming and the platform in use.		General report	Standby	Ongoing communication
		Via SmartLeague			Silenced	OFF	Standby	
	Programming jumper	Not inserted	Standby			Silenced		The bells have been disabled.
		Inserted			Investigate		The "investigate" time is running.	
	User level	View only	Standby		Reset	OFF	Standby	
		Key inserted and turned		The control panel is in access "Level 2" operating mode.		Reset running		
		Maintenance		The control panel is in "maintenance" mode.				
		Programming		The control panel is in "programming" mode.				

Table A - 2: SmartLoop control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Control panel status	Communication	Operating		Standby status	Alarm supervision	No		
		Serial / ethernet fault		The communication between the control panel and the user's PC has been interrupted.		Yes		A "supervised" zone has activated
	Disabled	No	Standby		Alarm warning	No	Standby	
		Yes		At least one of the systems parts has been disabled.		Yes		A zone has exceeded the "alarm threshold".
	Faults	No	Standby		Fire pre-alarm	No	Standby	
		Yes		A fault has been detected in a part of the system.		Yes		An input point, programmed with a pre-alarm time, has activated.
		Hornet network		A fault has been detected in a part of the Hornet network.	Fire alarm	No	Standby	
	Gas alarm	No	Standby			Yes		An input point, programmed for alarm activation has activated.
		Yes		A "gas" zone has activated and is signalling alarm to the control panel.	Evacuation alarm	No	Standby	
						Yes		An evacuation signal has been activated.
Control panel power supply	Mains	OK		Standby status	Control panel power supply	OK	Standby	
		Short mains blackout		230V AC Mains failure.		Supplementary power-supply fault		A fault has been detected on the supplementary power-supply.
		Long mains blackout		The mains failure event (blackout) has exceeded the "signal mains-failure delay".		AUX fault		A fault has been detected on the "AUX" terminal.
	Battery	OK	Standby			AUX-R fault		A fault has been detected on the "AUX-R" terminal.
		Low level		The battery voltage is low.	Dispersion to earth	OK	Standby	
		Inefficient		The battery voltage is jeopardy.		Earth fault		The control panel has detected dispersion to earth.
Control panel info	Monitoring	No		Standby status	Sprinkler signals	No	Standby	
		Yes		A "monitoring" has activated.		Yes		A sprinkler has activated.
	Change class	No	Standby		Inibibit fire extinction	No	Standby	
		Yes		The "Change Class" signal is active.		Yes		Fire-extinction has been inhibited.
	Voice alarm	No	Standby		Fire extinction running	No	Standby	
		Yes		A voice-alarm device has activated.		Yes		A fire-extinction signal has been activated.
	Fire door	Open	Standby					
		Closed		Closure of the Fire door has been triggered.				
Loop	Fault	OFF		Standby status	Fault	Short-circuit OUT		A short-circuit has been detected on the "OUT" terminal.
		Open fault		The loop is open.		Short-circuit IN		A short-circuit has been detected on the "IN" terminal.
NAC output	Fault	OFF		Standby status	Status	Enabled	Standby	
		Generic fault		A fault has been detected on the output.		Disabled		Output disabled.
	Test	OFF	Standby			ON output		The output has triggered a signal.
		ON		Output in test mode.		OFF output	Standby	
Timer	Status	OFF						
		ON		Timer active.				

Table A - 2: SmartLoop control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Zone	Zone fault	OFF		Standby status	Zone alarm	OFF	Standby	
		Generic fault		A fault has been detected on the zone.		Monitor		The "monitor" zone has activated (technical alarm).
	Zone status	ON	Standby	Zone enabled.		Gas		The "gas" zone has activated.
		OFF		Zone disabled.		Supervision		The "supervision" zone has activated.
	Test zone	OFF	Standby			Warning		The detected signal has exceeded the "warning" threshold.
		ON		Zone in test mode.		Pre-alarm		The zone is in pre-alarm status.
Group	Status	OFF		Standby status		Alarm		The zone has activated.
		ON		The group is activated.		Evacuation		The "evacuation" zone has been activated.
Point	Fault	OFF		Standby status	Test point	OFF	Standby	
		Generic fault				ON		The point is in test mode.
		Point loss		The point does not respond.	Alarm point	OFF	Standby	
		Contaminated		The contamination (dust) threshold has been exceeded.		Warning		The detected signal has exceeded the "warning" threshold.
		Battery empty (wireless)		The battery voltage of the wireless point is low.		Pre-alarm		The point is in pre-alarm phase.
		Tamper (wireless)		The wireless point does not respond.		Alarm		The point has triggered the alarm signal.
		Power failure (IO)		A fault has been detected on the power-supply external to the "IO" input.		Supervision		The "supervision" point has activated.
		Output (IO) fault				Monitor		The "monitor" point has activated (technical alarm).
	Point status	Enabled	Standby		Info point	Info point OFF	Standby	
		Disabled		The point has been disabled.		Info point updated		Information updated after an "INFO enquiry" command.
		ON output		The point output has activated.		Info point error		The "INFO enquiry" command has conveyed an error.
		OFF output	Standby					

Table A - 3: SmartLiving control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Control panel status	Communication	Operating		Standby status	Peripheral tamper	OFF	Standby	Status for tamper signalling on the Peripherals connected the BUS.
		Serial / ethernet fault		The communication between the control panel and the user's PC has been interrupted.		Expansions		
		Linedown		Telephone line trouble.		Keypads		
	Programming	OFF	Standby		Control panel Tamper	OFF	Standby	Control panel dislodged (pulled from wall) or the frontplate is open.
		In programming				Tamper		
Control panel power supply	Mains failure 230V AC	OFF		Standby status	Battery fault	OFF	Standby	
		Fault		230V AC Mains failure.		Fault		Backup battery empty or disconnected.

Table A - 3: SmartLiving control panels

Object	Status	Value	Icon	Notes	Status	Value	Icon	Notes
Reader	Peripheral present	Yes		Standby status	Activation	Activated	Standby	
		No		The peripheral has not been enrolled on the control panel.		Not activated		The peripheral has been disabled by a user.
	Peripheral loss	No	Standby		Tamper	No tamper	Standby	
		Yes		The peripheral has been enrolled on the control panel but is not connected.		Tamper		
Expansion	Peripheral present	Yes		Standby status	Tamper	No tamper	Standby	
		No		The peripheral has not been enrolled on the control panel.		Tamper		
	Peripheral loss	No	Standby					
		Yes		The peripheral has been enrolled on the control panel but is not connected.				
Keypad	Peripheral present	Yes		Standby status	Activation	Activated	Standby	
		No		The peripheral has not been enrolled on the control panel.		Not activated		The peripheral has been disabled by a user.
	Peripheral loss	No	Standby		Tamper	No tamper	Standby	
		Yes		The peripheral has been enrolled on the control panel but is not connected.		Tamper		
Partition	Arm/Disarm ops.	Disarm		Standby status	Tamper memory	No tamper	Standby	
		Away				Tamper		Partition tamper has been detected.
		Stay		Partition arming mode.	Alarm memory	Not activated	Standby	
		Instant				Activated		An alarm has been signalled.
	Tamper	No tamper	Standby		Enable automatic arming	No	Standby	
		Tamper		Partition tamper active.		Yes		The partition is enabled for automatic arming.
	Alarm	Not activated	Standby					
		Activated		Alarm signalling active.				
Terminal	Zone bypass	No		Standby status	Alarm	No	Standby	
		Yes		The zone has been bypassed (disabled).		Yes		Alarm signalling active.
	Zone in test mode.	No	Standby		Tamper memory	No	Standby	
		Yes		The zone is in test mode.		Yes		Zone tamper has been detected.
	Tamper	No	Standby		Alarm memory	No	Standby	
		Yes		Zone tamper is active.		Yes		An alarm has been signalled.
Output	Activation	No		Standby status	Activation	Yes		he output has been activated.

Appendix B

COMMANDS

Table B - 1: SmartLine control panels

Object	Command	Notes
Control panel status	Re-arm control panel	Command which clears all the active events on the control panel, deletes the memory and resets the system to standby status.
	Silence ON	Command which silences the silenceable outputs active at the time of the command.
	Silence OFF	Reactivates the silenced outputs.
	Evacuation	During active pre-alarm conditions, this command zeroes the running pre-alarm time and forces the control panel into immediate alarm status. If pre-alarm is not active, this command forces the control panel into immediate alarm status.
	Day mode	Command which puts the control panel in standard operating (day) mode.
	Night mode	Command which puts the control panel in night mode.
	Disable dialler	Commands which disable or enable the telephone dialler output.
	Enable dialler	
	Disable NAC control panel	Commands which disable or enable the "ALARM NAC" output of the control panel.
	Enable NAC control panel	
	Disable NAC expansion 1	Commands which disable or enable the "NAC" output of the respective expansion.
	Enable NAC expansion 1	
	Disable NAC expansion 2	
	Enable NAC expansion 2	
	Disable NAC expansion 3	
	Enable NAC expansion 3	
	Disable NAC expansion 4	
	Enable NAC expansion 4	
Conventional zone	Disable zone	Commands which disable or enable the selected conventional zone.
	Enable zone	
I/O zone	Disable zone	Commands which disable or enable the selected I/OI zone.
	Enable zone	

Table B - 2: SmartLoop control panels

Object	Command	Notes
Control panel operating mode	Day mode	Command which puts the control panel in standard operating (day) mode.
	Night mode	Command which puts the control panel in night mode.
Control panel status	Reset	Command which clears all the active events on the control panel, deletes the memory and resets the system to standby status.
	Silence	Command silences the silenceable outputs active at the time of the command.
	Investigate	Command which when activated during the pre-alarm time, places the alarm-delay time to the value set for the "investigate" time.
	Sounder/flasher ON	Commands which activate or deactivate the sounder/flashers.
	Sounder/flasher OFF	
	Evacuation	The command which forces the control panel into alarm status.
NAC output	Disable output	Commands which disable or enable the selected output.
	Enable output	
	Start test	Commands which activate or deactivate the test mode.
	End test	
	ON output	Commands which activate or deactivate the selected output.
	OFF output	

Table B - 2: **SmartLoop control panels**

Object	Command	Notes
Timer	OFF	Commands which activate or deactivate the selected timer.
	ON	
Zone	Disable zone	Commands which disable or enable the selected zone.
	Enable zone	
	Start test	Commands which activate or deactivate the test mode.
	End test	
Detector Point	Enable point	Commands which disable or enable the selected point.
	Disable point	
	Start test	Commands which activate or deactivate the test mode.
	End test	
	LED ON	Commands which activate or deactivate the LED of the selected point.
	LED OFF	
	ON output	Command which activates and deactivates the output of the selected point.
	OFF output	
	Info enquiry	Request for information update on the selected point.

Table B - 3: **SmartLiving control panels**

Object	Command	Notes
Partition	Away mode	Commands for the selection of the operating mode of the selected partition.
	Stay arm	
	Instant mode	
	Disarm	
	Partition reset	Clears the tamper and alarm memories of the selected partition and resets the system to standby status.
Terminal	Unbypass zone	Commands which unbypass or bypass the selected zone.
	Bypass zone	
Output	Deactivate output	Commands which deactivate or activate the selected output.
	Activate output	

Appendix C

ORDER CODES

Please quote the following order codes when ordering items from the INIM Electronics product range:

Order code	Product description
DCMIINE0SLOOK	SmartLook installation and configuration manual
DCMUINE0SLOOK	SmartLook user's manual
SmartLook/F01L	"lite" licence for the management of one SmartLoop or SmartLine fire-detection control panel. Non-expandable licence.
SmartLook/F01E	Licence for the management of one SmartLoop or SmartLine fire-detection control panel. Expandable licence.
SmartLook/F02E	Licence for the management of two SmartLoop or SmartLine fire-detection control panel. Expandable licence.
SmartLook/F05E	Licence for the management of five SmartLoop or SmartLine fire-detection control panel. Expandable licence.
SmartLook/F10E	Licence for the management of ten SmartLoop or SmartLine fire-detection control panel. Expandable licence.
SmartLook/I01L	"lite" licence for the management of one intrusion-control panel from the SmartLiving series. Non-expandable licence.
SmartLook/I01E	Licence for the management of one intrusion-control panel from the SmartLiving series. Expandable licence.
SmartLook/I02E	Licence for the management of two intrusion-control panel from the SmartLiving series. Expandable licence.
SmartLook/I05E	Licence for the management of five intrusion-control panel from the SmartLiving series. Expandable licence.
SmartLook/I10E	Licence for the management of ten intrusion-control panel from the SmartLiving series. Expandable licence.
SmartLeague	Programming and management software for INIM devices
SmartLine020-2	Conventional fire control panel with 2 zones (NON expandable)
SmartLine020-4	Conventional fire control panel with 4 zones expandable to 20 zones
SmartLine036-4	Conventional fire control panel with 4 zones expandable to 36 zones
SmartLoop/1010-G	1 loop, NON-expandable control panel with command keypad and display
SmartLoop/1010-P	1 loop, NON-expandable control panel, equipped with command keypad and display, zone status LED pad and housing for optional SmartLoop/PRN thermal printer
SmartLoop/1010-S	NON-expandable single loop control panel, with unequipped flush front
SmartLoop/2080-G	2 loop control panel, expandable to 8, equipped with command keypad and display
SmartLoop/2080-P	2 loop control panel, expandable to 8, equipped with command keypad and display, zone status LED pad and housing for optional SmartLoop/PRN thermal printer
SmartLoop/2080-S	2 loop control panel, expandable to 8, with unequipped flush front
SmartLiving505	Intrusion control panel: manages 5 to 10 terminals, 5 partitions, switching power supply @ 1.2A, comes in metal enclosure with housing for 1 battery @7Ah
SmartLiving515	Intrusion control panel: manages 5 to 10 terminals, 5 partitions, switching power supply @ 1.2A, comes in metal enclosure with housing for 1 battery @7Ah
SmartLiving 1050	Intrusion control panel: manages 10 to 50 terminals, 10 partitions, switching power supply @3A, comes in metal enclosure with housing for 1 battery @7Ah
SmartLiving1050L	Intrusion control panel: manages 10 to 50 terminals, 10 partitions, switching power supply @3A, comes in metal enclosure with housing for 1 battery @17Ah
SmartLiving10100L	Intrusion control panel: manages 10 to 100 terminals, 15 partitions, switching power supply @5A, optional TCP/IP connectivity, comes in metal enclosure with housing for 1 battery @17Ah



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DCMIINE0SLOOK-R100-201005026