LVS2 supervision software for addressable emergency lighting units





L¹ legrand

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Presentation of the supervision software

The software has three components:

- LVS2 server: this component enables communication with the unit(s). The server is installed on a single workstation and must be registered.

- Emergency lighting unit configuration: enables units and interfaces to be configured for supervision. Can be installed on the same station as the LVS2 server and/or several stations on the network.

- LVS2 supervisor: enables supervision of the installation according to access levels. Can be installed on the same station as the LVS2 server and/or several stations on the network.

There are two types of installation:

Installation 1: Single-station installation The server and client are installed on one computer



Installation 2: Multi-station installation



Access levels

You will need to set up different access levels for the two parts of the software. Specific actions will then be possible according to your access level.

Emergency lighting unit configuration

Emergency lighting unit supervision

Level 0: No access with level 0

Level 1: No access with level 0

Level 2: Define site, user and unit settings Register the software Define alarm settings...

Level 0: View statistics for all sites Level 1: Level 0 functions

View unit statuses Clear alarms Test units

Level 2: Define system settings

Installation

Supervision software Cat. No. 0 626 02 is available on a USB stick. Insert the USB stick into the appropriate port on your PC. The stick's directory will appear on your screen.



1 Double click on **logiciel_LVS2_Supervisor_vx.x.exe** to start the installation.



2 Click on Next to run the installation.





To change this directory, click on **Browse** and select the access path for the desired directory.

3 Click on Next to accept.

> LVS2 server:

This component enables communication with the unit(s). Installed on a single station. This component must be registered.

> Emergency lighting unit configuration:

Enables units and sites to be configured for supervision. Can be installed on the same station as the server and/ or several stations on the network.

> LVS2 supervisor:

4

Enables supervision of the units according to access levels.

Can be installed on the same station as the server and/ or several stations on the network.

Case 1 - Single-station installation - (LVS2 server, emergency lighting unit configurator and LVS2 supervisor on a single station)

The most usual installation is the default setting.

🐻 Setup - LVS2 - Supervision of the interfaces Legrand	
Select Components Which components should be installed?	
Select the components you want to install; clear the components you mat to install. Click Next when you are ready to continue.	ou do not want to
Complete installation of LVS2	~
Server LV52	7,3 MB
Server configuration	8,8 MB
Tool of supervision	9,5 MB
Current coloriza no minor at least 26 5 MB of dial space	
Current selection requires at least 26,5 MB of disk space.	
< Back Ne:	xt > Cancel

4 Click on Next to accept.

Case 2 - Multi-station installation - (emergency lighting unit configurator and/or LVS2 supervisor).

🕼 Setup - LVS2 - Supervision of the interfaces Legrand	
Select Components Which components should be installed?	
Select the components you want to install; clear the components you do not install. Click Next when you are ready to continue,	want to
Personalized installation	*
Server LV52	7,3 MB
Server configuration	8,8 MB
Tool of supervision	9,5 MB
Current selection requires at least 9,9 MB of disk space.	
< Back Next >	Cancel

4 Click on **Next** to accept.

Case 3 -Multi-station installation - (LVS2 server only).

🔀 Setup - LVS2 - Supervision of the interfaces Legrand	
Select Components Which components should be installed?	
Select the components you want to install; clear the components you do not v install. Click Next when you are ready to continue.	vant to
Personalized installation	~
Server LVS2	7,3 MB
Server configuration	8,8 MB
Tool of supervision	9,5 MB
Current selection requires at least 8,4 MB of disk space.	
< Back Next >	Cancel

4 Click on Next to accept.

🕏 Setup - LVS2 - Supervision of the interfaces Legrand 🛛 🔲 🗖
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
LVS2 - Supervision of the interfaces Legrand Browse
< Back Next > Cancel

The start menu shortcut appears by default. To change this directory, click on **Browse** and select the access path for the desired folder.

5 Click on **Next** to continue the installation.

Installation (cont.)



6 Select the checkboxes if you want to create icons on your PC.

7 Click on **Next** to continue the installation.



Check the summary of information entered so far.

8 Click on Install to run the installation.



Two icons appear on your desktop.



LVS2 - Emergency lighting units configuration



LVS2 - Emergency lighting unist supervision

Installation configuration

1 - Opening the site configuration software

1 Double click on **LVS2 - emergency lighting unit configuration** to start configuration.



The software opens and you will need to log in to access server configuration functions.

Con	nection	to an L'	VS sei	rver
	User: Password:	legrand		
			<u>Ok</u>	<u>Cancel</u>

2 Enter the default password: 1234

You may then begin configuring the server with your installation data.



The next time you log in, you will need to enter the password saved previously in the configuration software supplied with the interface.

2 - Registering the software

Please note that to operate beyond a duration of 60 days, this software must be registered with Legrand



Registration must be done on the computer on which the server is installed.

1 Click on the Parameters icon.

A new screen is displayed.

*	
Parameters	

Parameters					
Information: Server (IP address): TCP port: Current user: Configuration: Save	localhost 211 legrand	SMTP configuration: Server: Port: User: Password: Sender:	25		
		💏 Server ac	tivation	<u>Ok</u>	<u>Cancel</u>

2 Enter the information.



SMTP parameters should be entered if you would like to send your software registration request by email.

3 Click on Server activation.

A new screen is displayed.

Se	erver activation	
	Server activation key: Enter the server activation key:	
	Obtain an activation key	

4 Click on Obtain an activation key.

A registration request form appears.

- 5 Fill in the mandatory fields.
- 6 Click on Send by email or Save.



7

Send by email: enables you to send the form via your email client.

Save: enables you to save a PDF copy of the form to send it at a later time as an attachment, for example.

You will receive the software registration key within 7 business days

3 - Importing interface configurations

In order to supervise units in your installation, you need to know which units are linked with the supervised interfaces.

A list of units is produced in a .lvc file by the interface configuration software.

1 Click on the **Import** icon.

Import

rta

A new screen is displayed.

			<u>Ot</u>
List of sites:			
-List of interfaces:		List of users:	
-List of interfaces:	Import	List of users:	Import
List of interfaces:	Import	List of users:	Import
List of interfaces:	Import	List of users:	Import
List of interfaces:	Import	List of users:	Import
-List of interfaces: Name	Import	-List of users:	Import

2 Click on **Open** and select the .lvc file to import.

The name of the site, the list of interfaces and the list of Users appears.

LVS2 - Supervisor - Configuration - local	lhost / legrand						
LVS2	止 Import	↔ Sites	 ± Inter	iaces	💶 Users	🚜 Parameters	i Help
INNOVAL							
The site is inactive Site information	Non-assoc	iated units		ist of units:	△ Cat. No.	Information	<u>~</u>
Address :	All units		1	■ Demo Le	grand (000474	10600E8)	
COMPAGE.				-23R-00	062525	·····	-
				-23R-002	2 062525		
				-23R-003	3 062525		
Mananer:				- 23R-004	1 062525		
				-23R-005	5 062525		
				-23R-006	5 062525		
				-23R-007	7 062525		
<u>Change</u>				-23R-008	3 062525		
				-23R-009	062525		
Site plans				-281-001	062525		
Associated interfaces:				-281-002	2 062525		
				-281-003	8 062525		
Demo Legrand				-281-004	062525		
				-28R-00	062525		
				-28R-002	2 062525		
			<	-28R-003	3 062625		~
Change		Chang	e	Plan view	0.0000	As	sociate units

3 Click on OK.

 If a site was correctly created when configuring the interface (in the interface configuration software), you can move on to step 4 – "Linking units with locations". If no site was created when configuring the interface, the software screen will remain the same after importing the .lvc file. You will then need to create one and link it with the interface indicated when importing the .lvc file.

To create a site, click on the Sites icon and then Create. Sites

Fill in all the fields requested when creating the site. Then link the interface indicated when importing the .lvc file with this site. To do this, follow the instructions on page 9.

The site is displayed with the information entered on the interface.

Once a configuration has been imported, you can enter more detailed information for the site concerned.

O The site is inactive

-Site information:	
<u>Address:</u>	
128 Avenue De Lattre De Ta	assigny
<u>Manager:</u>	
M. LEGRAND	
05 55 06 87 XX	
00 00 00 0, ,,,,	
	<u>Change</u>

8

4 Click Modify.

A window is displayed.

Si	ite info	rmation	
	Name: Address:		
	Manager: Contact		 Cancel

- 5 Fill in the empty fields.
- 6 Click on OK.

The site is displayed with the information entered.

Once the site is specified, you can change the interfaces necessary to associate the site

O The site is inactive
Site information:
Address:
128 Avenue De Lattre De Tassigny
Manager:
M. LEGRAND
05 55 06 87 XX
Change
<u>Site plans</u>
Associated interfaces:
Demo Learand
Change

7 Click on **Change** in the **"Associated interfaces"** section.

List of interfaces
Select the interfaces to be associated with the site:
<u>Ok Cancel</u>

8 Tick the boxes for the interfaces to be linked with the site.

9 Click on OK .

4 - Linking units with locations and on the plans

This step must be completed. It enables addressed units to be allocated to customised locations and sublocations.

I - Creating locations

In the location list section:

1 Click on Modify.

Li	st of	location	s	
		Add a location	Add a sub-location	Delete
	ŧ			
	ŧ			
				<u>Ok Cancel</u>

- 2 Click on Add a location (level 1).
- 3 Select the line and enter your level 1 in the site.

4 Repeat the process as many times as necessary, using the same method for the sub-locations.



You can enter up to 3 different levels.

Once the various site locations have been entered, you need to link the units with each location.

II - Linking units with locations

In the Unit List section:

1 Click on Unit association.

A new window appears with the list of locations and units.

List of locations and associated units:	List on non-associated units:
Evel0 -South -North -Level1 -Level2	S 23R 23R-000 (000474060068) 23R-000 (000474060068) 23R-000 (000474060068) 23R-000 (00047460068) 23R-000 (00047460068) 23R-000 (00047460068) 23R-000 (000474600078) 23R-000 (000074600078) 23R-000 (

Select the units to be positioned (you can select more than one unit using the SHIFT button on your PC; selected units are underlined in red).

3 Select the relevant location (it appears underlined in red).

4 Click on <.

The units are positioned in the selected location. Repeat the process to link all units.

5 Click on OK.



You can also drag and drop units into locations.

III - Placing units on plans

Plans in the following formats can be imported in the LVS2 supervision software: dwg, dxf, gif, jpeg.



The time needed to load the plans depends on the size of the file.

Units previously placed in locations/sub-locations can then be placed on these plans.

The placed units can then be actively supervised using the supervision software.

Open the plan editor by clicking on the site plans:

LYS2 - Supervisor - Configuration - local	ihost / admin						- 68
🐲 I VS2		西	\$	 =	н	.0	i
		Import	Sites	Interfaces	Users	Parameters	Help
INNOVAL							
The site is inactive	List of locations:	List of units:					
Site information:	All units	Name	Cat. No.		Informatic	n	~
Address:	G Level 0	Demo Legrand (C	004740600E8)				
128 Avenue De Lattre De Tassigny	di Carata	-23R-001	062525				
	- 30001	-23R-002	062525				
	-781	-23R-003	062525				
Managar	-78R	238-004	062525				
M LEGRAND	-74R	-23R-005	062525				
	-785	-23R-006	062525				
US 55 06 87 XX	-91R	-23R-007	062525				
Change	54R	-238-008	062525				
	-901	-23R-009	062525				
Site plans	B North	-281-001	062525				
Associated interfaces:	-34R	281-002	062525				
	-37R	-281-003	062525				
Demo Legrand	-44R	-281-004	062525				
	-38R	-28R-001	062525				
	GLevel 1	-28R-002	062525				
	- 100	-28R-003	062625				
	- 200	- 29R-004	062525				
	200	-29R-001	062525				
		29R-002	062525				
	III Level 2	29R-003	062525				~
Change	L	Change Plan view					Associate units
		Diegran					About.
		en la comunera la comunera				61	

Click on the New button then name (with 35 characters max.) the first plan to be imported in the software. E.g.: Building B first floor.

<u> </u>	w Delete Pename		
Input Duppt Previous soon Change soon Zoon + Zoon	- Unit space Display	Blocs	
		By interface	 Eiters
		Name	Reference
		Demo Legrand	/ 0004740600E8
		-34R-005	062525
		-29R-001	062525
	<u>.</u>	-29R-002	062525
	New plan	-28R-003	062625
		-28R-004	062525
		-281-001	062525
	Diagon enter the name of the new plan below:	-281-002	062525
		-281-003	062525
	Name - Providence	-29R-003	062525
		-34R-001	062525
		-34R-002	062525
	Ok Cancel	-34R-003	052525
		-34R-004	062525
		781-001	062525
		-29R-001	062525
		-29R-002	062525
		-781-002	062525
		-781-003	052525
		781-004	062525
		, 781-005	062525
		781-006	062525
		-781-007	062525
		LILLER (406)	
0,00153 s			
démarrer 🔰 🕫 🥹 🌈 🔯 🖬 🛱 🔯 🦈 🎦 Cilocunen	s and Se 🖆 C.(Documents and Se 🍞 Sans thre - Paint 🥔 LV52 - Supervisor – C 🌈 G		() 製塑 8 開開 0

Import the corresponding plan using the import button (top left).

The imported plan is displayed in the dark box on the left of the window. In the templates tab, you can modify the display of dxf and dwg plans. To do this you can either select a line on the plan (the template concerned will then be displayed in red), or select a template in the list (the lines concerned will then be displayed in a lighter colour on the plan).



You can zoom in or out on the plan with the zoom + / zoom - buttons, or using the mouse wheel. Right click on the mouse to grab the plan and move it. The plan background colours can be changed with the display button:



In order to place units, they must have been previously linked with locations. Open the unit tab in the plan editor.



In this tab, you can filter units either by interface or by location. You can also choose to display only units that are available (not yet placed on plans), units placed on the plan or all units. To place a unit on a plan, select the unit in the **Units** tab list, then click on add or double click on it. To reduce or increase its size, first select the unit, then either click on the unit size button and Zoom + or Zoom -, or hold down Alt and use the mouse wheel. To rotate the unit, hold down Ctrl and use the mouse wheel.

Note: the size of all units on a plan is identical. Therefore, when you change the size of one unit, all the other units on the same plan change size accordingly.

To place a unit, select it with the left mouse button and hold it down while dragging the unit to the desired location. The unit is placed when you release the left mouse button.



Units already placed, to be placed and placed on a different plan are displayed differently in the list.

In the example shown below, units displayed in bold have been placed on the active plan, units in regular font have not yet been placed and units in light grey belong to another plan.

Name	Reference
Demo Legrand /	0004740600E8
-34R-005	062525
-28R-001	062525
- 28R-003	062625
- 28R-004	
-281-001	062525
281-002	062525
-281-003	062525
-34R-001	062525
- 34R-002	062525
-34R-003	062525
-34R-004	062525
781-001	062525
-29R-001	062525
- 29R-002	062525
-781-003	062525
-781-004	062525
781-005	062525
-781-006	062525
-781-007	062525

When all the units are placed on the plan, save the work done by clicking on save. To add a new plan, click on new then import and place units on the plan. You can switch between plans by using the dropdown list in the top right corner of the plan editor. You can rename or delete a plan. To do this, select it in the dropdown list, then click on rename or delete at the top of the plan editor.

Note: Plans (along with linked units) can be exported in dxf format (the units placed on the plan will be on a specific template) or as a PDF, by clicking on the "export" button in the plan editor.

A save folder can be made as follows: save any modifications and close the plan editor. Click on parameters, save, then name the save folder, click on export, choose a destination folder for the save, name the file to be saved and then save. The file is then saved with the extension .lvk.



5 - Managing the interfaces

This step will enable you to set the frequency at which the supervisor connects to the interface.

1 Click on the Interfaces icon.

Interfaces

与

A new screen is displayed.

Name	MAC address	Site	Connect	tion
Demo Legrand	0004740600E8	INNOVAL	USB	
		Update	Connection	<u>Del</u> é

The interfaces present are those that were imported in the .lvc file (p.8).

To set the parameters for an interface (case of interface Cat. No. 0 626 00):

2 Click on tab Cat. No. 0 626 00.

3 Click on Connection.

		_	×
Co	nnection p	parameters	5
	Access method:	USB / RS 232 / RS 485	4
	Serial configuratio	n	
	Port:		*
	Selector:	0	~
		RS 485 protocol	
	Options		
	Frequency:	1 day	~
	Next refresh:		
	24/04/2013	00:00	*
		Qk	<u>Cancel</u>

4 Enter or check the interface's configuration parameters.

5 Enter the date and time of connection periods of the interface to the supervisor.

6 Click on **OK**.



To add or update units on a Cat. No. 0 626 00 interface, you must use the **Update** button and import the .lvc file updated by the interface configuration software with the unit(s) added or modified.

The process is the same for a Cat. No. 0 625 11 interface. You should also click on **Update** to update the units on this interface.

You can also manually add or delete an interface.

7 Click on Finish.

6 - Saving the supervisor configuration

Once all the parameters have been entered, you must save the configuration.

1 Click on the **Parameters** icon.

Parameters

A new screen is displayed.
Parameters

Information: Server (IP address): <u>TOP port:</u> Current user: Configuration: Save	localhost 211 admin	SMTP configuration:	25		(
				<u>Ok</u>	<u>Cancel</u>

2 Click on Save.

A new screen is displayed.

Sa	ave	×
	<u>Save date:</u> <u>Description:</u>	24/04/2013 09:43
E≥	kport	<u>Ok</u> <u>Cancel</u>

3 Insert a comment in the Description section if needed.

4 Click **OK** if wish to save your data locally, or **Export** if you wish to save your data on another medium.

When exporting, the application saves an .lvk file. This file can then be imported in the configuration software using the **Import** button in the load section.

To return to a previous configuration, you simply need to load the saved file.

5 Click on Load.

A new screen is displayed.

Lo	oad	
	List of backups: Date 24/04/2013 09:45 24/04/2013 09:44 24/04/2013 09:44	Description:
I	mport	Load Cancel

- 6 Select the configuration to be imported.
- Click on Load.

Installation supervision

1 - Opening the supervision software

1 Double click on LVS2 - Emergency lighting units supervision.





At least one site needs to be activated to open this software.

The software opens with the information concerning the activated sites

List of supervised sites. When the site is selected (displayed in red), details of the installation are given on the right-hand side of the screen.



Site-by-site summary of the status of your installation, with the number of faults detected and distribution of statuses.

Installation supervision (cont.)

2 - Supervising a site

1 Click on **Open** on the tab of the site concerned.

A window opens and to gain access you must log in with your password previously defined in the emergency lighting unit configuration software.

Au	thentica	tion		
	User: Password:	legrand		
			<u>Ok</u>	<u>Cancel</u>

2 Click on OK.

By default, the software opens with an overview of each site saved. When a site is opened, a plan view of the site is displayed by default. Units with faults are displayed with a flashing orange box.



You can switch between plan view and list view by clicking on display list or display plans.

VS2 - Supervision - local	lhost / admin					
List of sites	INNOVA	L ×				
Work sheet	History	Alerts	Test Automatic	report		Alarm(s):
cations		-Display units (Display	(plans)			
Turp op Turp off	Drint		ul Q (Nauth			AII
	PIIIC (All of the site / Lev	el U / North			Al
All of the site	<u>^</u>	Label	Status Fa	llt(s) Interface	Information	Cat. No.
Level 0		34R-005	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
🖻 South		28R-001	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
- 781		28R-002	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
- 78R		28R-003	Undefined Nor	e Demo Legrand ,	/ 0004740600	062625
74R		28R-004	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
- 78S		281-001	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
~91R		281-002	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
~54R		281-003	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
901		29R-003	Undefined Nor	e Demo Legrand ,	/ 0004740600	062525
🖻 North		34R-001	Undefined Nor	e Demo Legrand ,	/ 0004740600	062525
~34R		34R-002	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
- 37R		34R-003	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
~ 44R		34R-004	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
38R		781-001	Undefined Nor	e Demo Legrand ,	/ 0004740600	062525
Level 1		29R-001	Undefined Nor	e Demo Legrand ,	/ 0004740600	062525
- 28R		29R-002	Undefined Nor	e Demo Legrand ,	/ 0004740600	062525
-29R		781-002	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
L-30R		781-003	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
Level 2	~	781-004	Undefined Nor	e Demo Legrand ,	/ 000474060	062525
		701.005	I 1. J. C. J. KI	. Demos Learned	1000474060	000505
	s): U	<u>Enable</u> <u>Disable</u>	-	=	<u>Turn on</u>	<u>furn off</u> <u>Autonomy test</u> <u>Functional te</u>
I T ⊢			1	T		
						Deverseters Hele

In the Location section:

- To attach a document to a level:
- **1** Select the level (in the Location section).
- 2 Click on **Documents**.
- **3** Click on **Add** and select the document to attach.



You can then consult, delete or modify the document by repeating steps 1 and 2.

To attach a document to a location:

- **1** Select the level (in the Location section).
- 2 Click on **Documents**.
- Click on Add and select the document to attach.
- To switch on/off all units in a location:
- Click on Turn on or Turn off

To print out an installation status report for a location:
Click on Print

In the Unit view section:

All actions can be applied to a selected unit: Activate / Deactivate / Switch on / Switch off / Autonomy test / Functional test.

Supervision on plan:

When you place the mouse cursor above a unit, information on the unit is displayed.



When you right click on a unit, a pop-up menu is displayed.



When you right click outside a unit, a menu with actions relating to the plan is displayed.



3 - Managing alarms

1 Click on Alarms



- 2 Click on Add to create an alarm.
- 3 Enter the name of the alarm.
- 4 Select the units concerned by this address.
- **5** Define the number of faulty units that will trigger an alarm.
- 6 Define the elements to be considered as "Faults".
- 7 Define recipient emails for the alarms, as well as the documents to be attached (worksheet and/or list of spare parts).
- 8 Activate your alarm.

Installation supervision (cont.)

4 - Managing automatic tests

Enables the test time and date to be set for each emergency lighting unit group and each interface.

Click on Tests.

An information window appears.

2 Click on OK.

Automatic tests Demo Legrand -Central unit configuration -Group 1 Every: Monday to: 00:00 * Next quarterly 29/04/2013 ~ Group 2 ~ Every: Monday 00:00 Next quarterly 29/04/2013 to: Group 3 29/04/2013 ~ Every Monda ~ 00:00 29/04/2013 Every: Monday Next quarterly to: <u>Ok</u> <u>Cancel</u>

Units are randomly divided into 4 groups so as to avoid 2 adjacent units being tested at the same time.

5 - Managing automatic reports

Enables the installation report distribution mode to be managed.

1 Click on Automatic report.

A	Automatic report				
	Planning Weekly Monthly	From: 24/04/2013 V 09:54			
	Send by e-mail	E-mail addresses			
		<u>Ok Cancel</u>			

2 Select the period of the report to be produced and its start date.

The report can be sent by email. To do this, select the relevant option and enter the email addresses of recipients.

The report can be viewed directly in the software.



6 - Generating worksheets

Click on Work sheet:

Report selection				
	Report to print:			
	<u>Ok Cancel</u>			

Selecting a worksheet produces a report containing all faulty units on the site.

Selecting a spare parts list produces a list of all spare parts required to repair all faulty units on the site.

7 - History

The History button enables all worksheets and installation reports issued by the supervision software to be found. It also enables tracking of all actions performed on the software and the persons involved.

History		
Events Installation	reports Work sheets	
Time interval sele	tion:	
From: 24/03/2	013 💌 to: 24/04/2013	Apply
History		
Date	Event type	User
24/04/2013 09:4	6 The site INNOVAL is active	admin
24/04/2013 08:5	0 Site creation	legrand
		Export to Excel
		<u>Close</u>

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