Virtual Configurator

Software manual

09/11-01 PC


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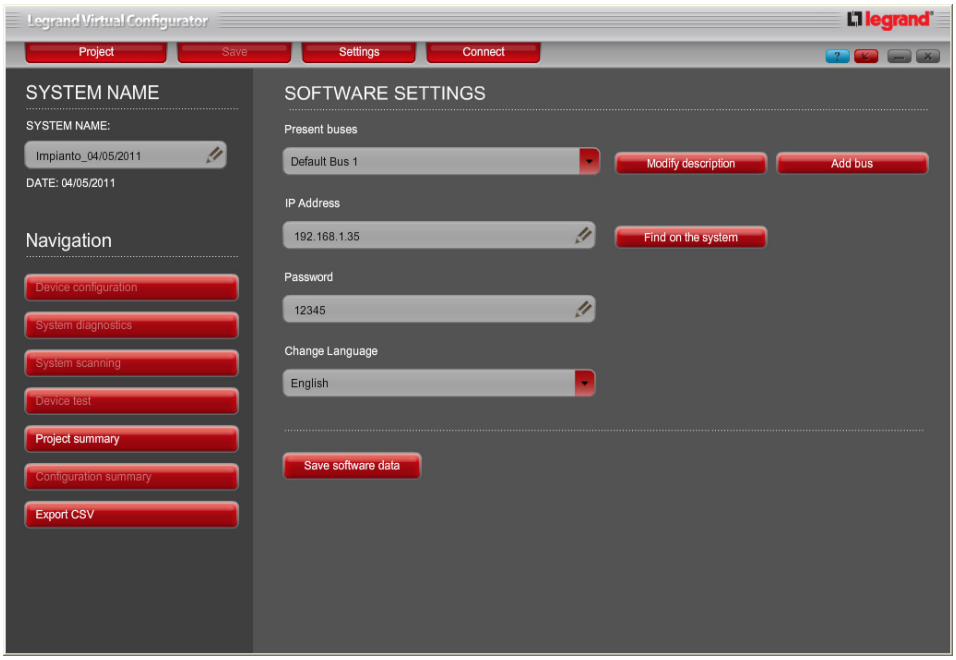
1. Hardware and Software requirements

Warning: The Virtual Configuration program is the main tool for the configuration of the My Home System. This software is protected by exclusive rights, owned by the company Legrand.

Requirements for the installation of Virtual Configurator

- Operating system Windows XP or higher
- Resolution 800x600, 256 colours, or higher
- 64 Mb RAM or higher
- CD drive reader
- Network connection



2. Installing Virtual Configurator

To install Virtual Configurator proceed as follows:

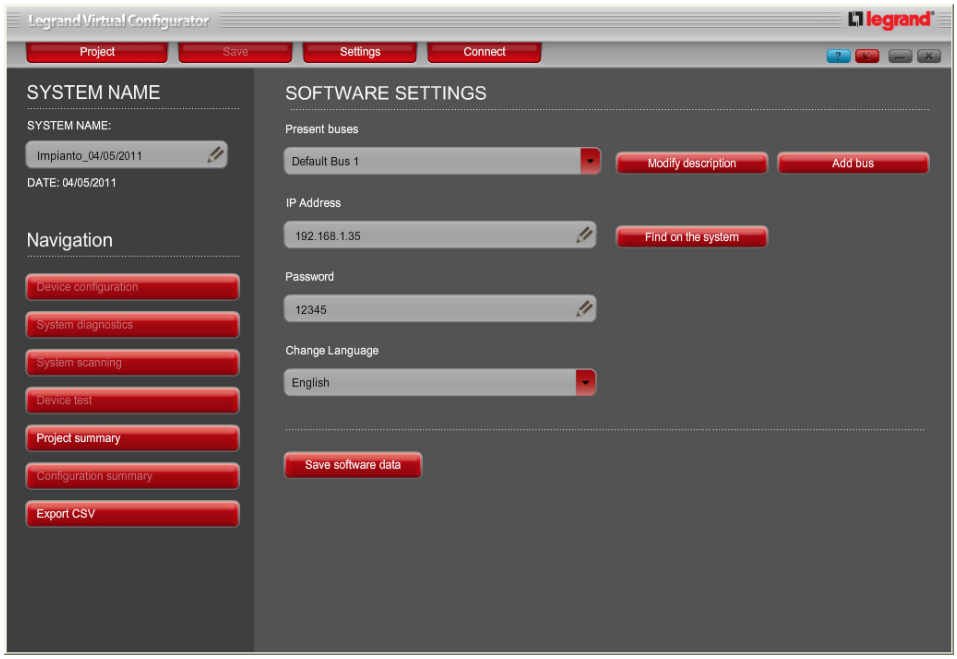
1. Insert the CD-Rom in the CD drive;
2. Select "Install Virtual Configurator" from the main screen;
3. The installation program will start copying the Virtual Configurator files.

3. General features

Virtual configurator can be used to configure My Home system devices (Automation and Temperature control) without the need to use physical configuration devices. It can also be used to perform system diagnostics, and to test the individual devices.

The communication between the PC and the My Home system is establised through the wireless network by directly connecting the PC to a system Web Server.

Virtual Configurator has a simple and easy to follow graphic interface split into three sections. The top area is dedicated to the general program control keys and the connection status indicator. The left side shows the navigation controls, while the main central area shows controls and information for the selected function.



When the program is started, the screen shows the Settings menu as active. At this stage network connection has not yet been established (the "connection status" icon is red), and only "Project Summary" and the "Export CSV" are enabled.

Press "Save Data" to save IP address, password and language set and to connect the My Home system to the network. Once connection has been established, all functions will be enabled.

4. Main Controls

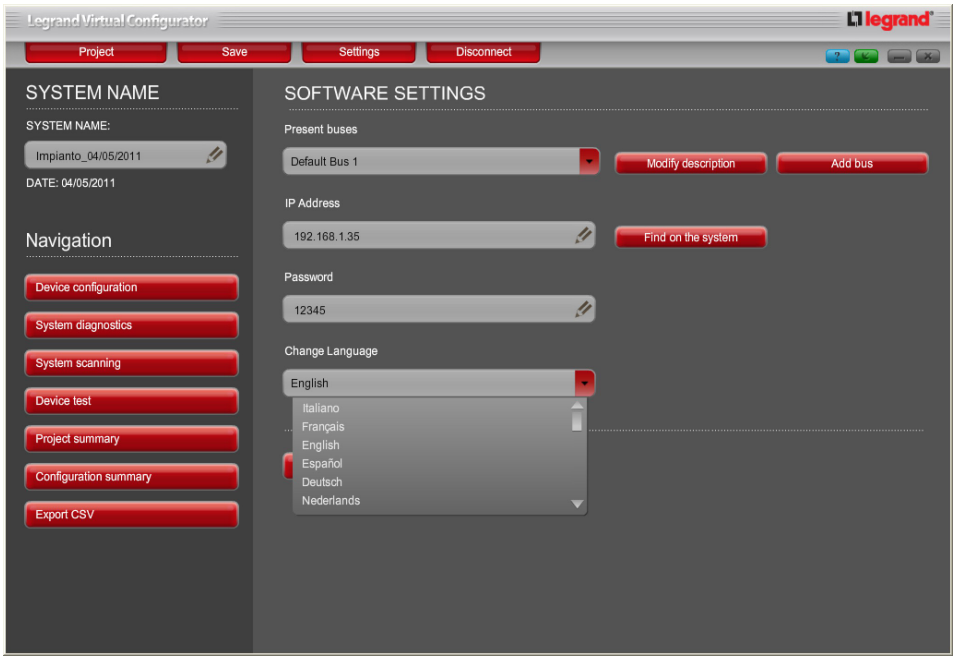
- **Project**: it enables the user to create a new project, open an existing project or a .mhz file generated by the "YouProject" program, save the current project with a specific name, in a specific folder.

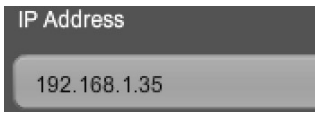
- **Save**: Save the current project

- **Connect**: connect to the My Home system

- **Settings**: To enter basic application custom settings; to confirm any changes made, press Save software data before exiting the menu.
  The Settings menu is active also when the system is not connected to the Web Server. In this way, the IP address and the connection password can be changed.

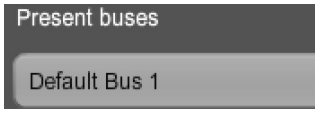
– **Change language**: select the application language from those listed in the drop down menu



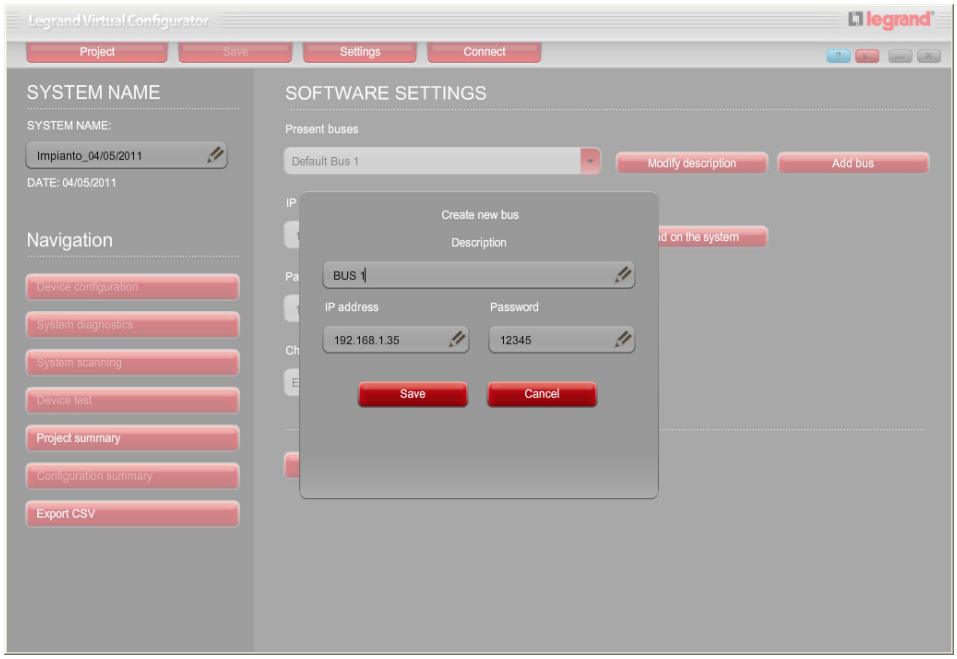


– **IP address**: the program has already been set at the factory with the base Legrand Web Server IP Address: 192.168.1. 35.
  If the Web Server IP address has been changed, the new number must be known and entered in this field, in order to establish connection.

– **Password**: the program has already been set at the factory with the base Legrand Web Server password: 12345.
  If the password has been changed, the new password must be known and entered in this field in order to establish connection.



– **Buses Present**: select the Add bus pushbutton to add several buses on the system, associating the IP address and the password of the associated Web Server; select the Modify description pushbutton to change the description of the Bus selected.

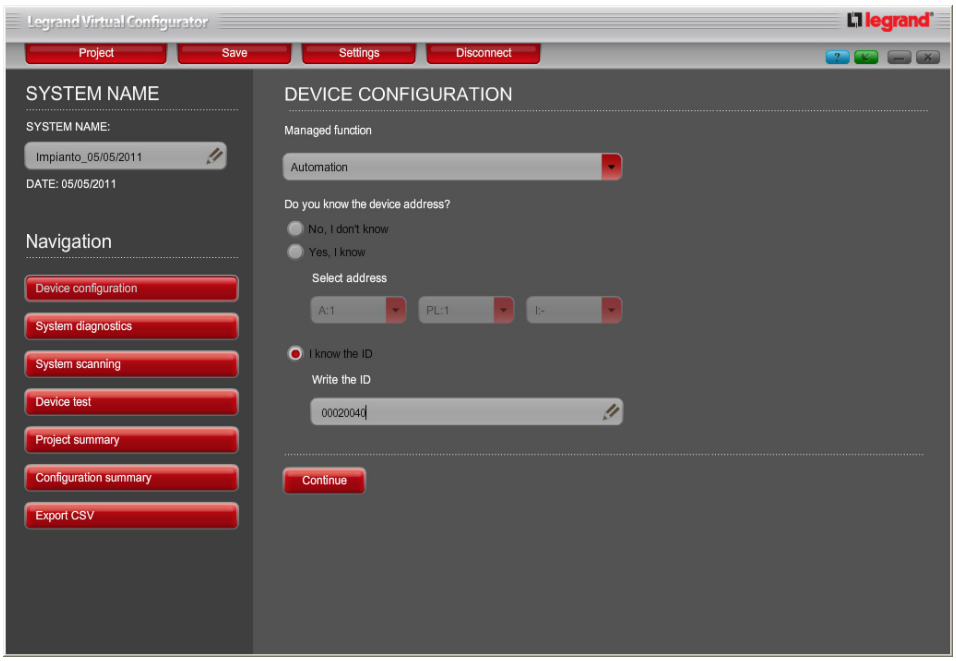


5. Configuration of the device

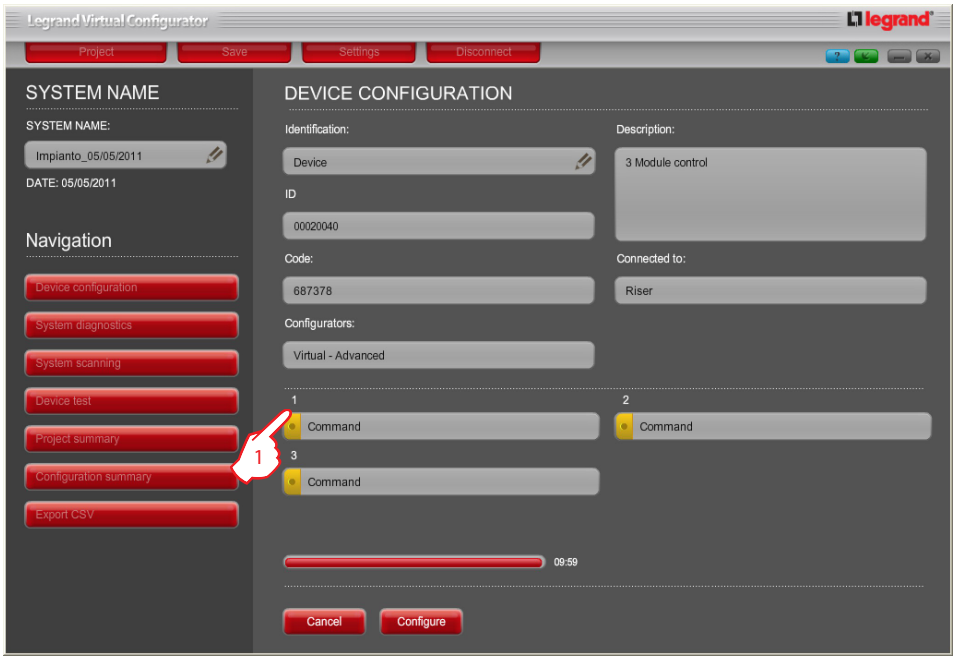
Virtual Configurator can be used to configure the control and operation devices of the My Home system. Configuration can be performed on systems consisting of devices accepting virtual configuration. Configuration can be performed both on devices for which the address is not known, and devices already virtually configured.

5.1 If the ID is known

Using the procedure below, it is possible to reconfigure a device for which the ID is known.



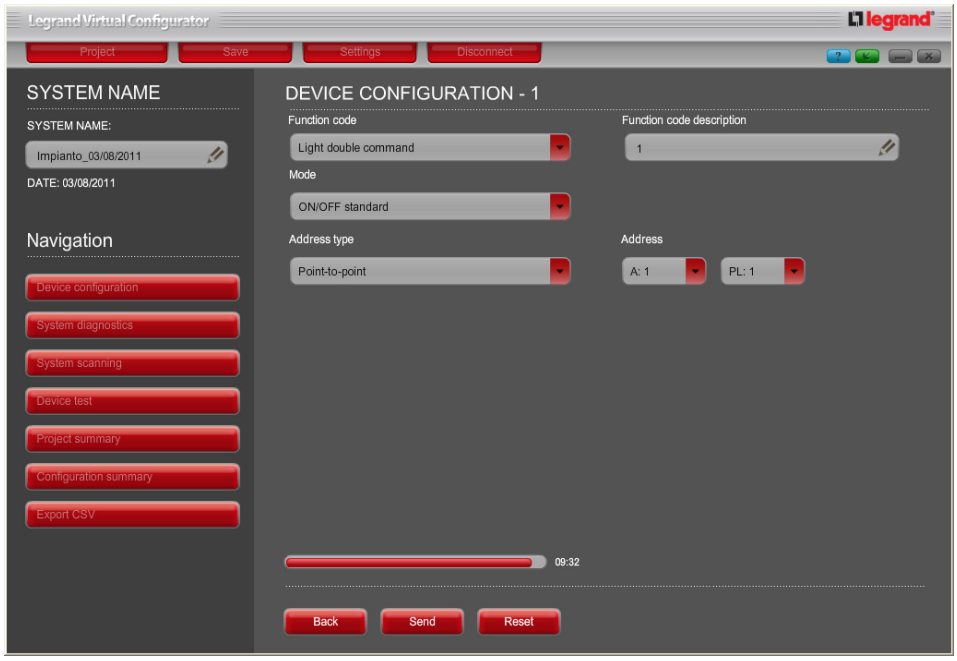
Select "**I know the ID**". This will enable the field for entering the ID.
Enter the ID of the device for which you want to change (or create, for the first time) the configuration.
Once the number has been entered press **Configure**.



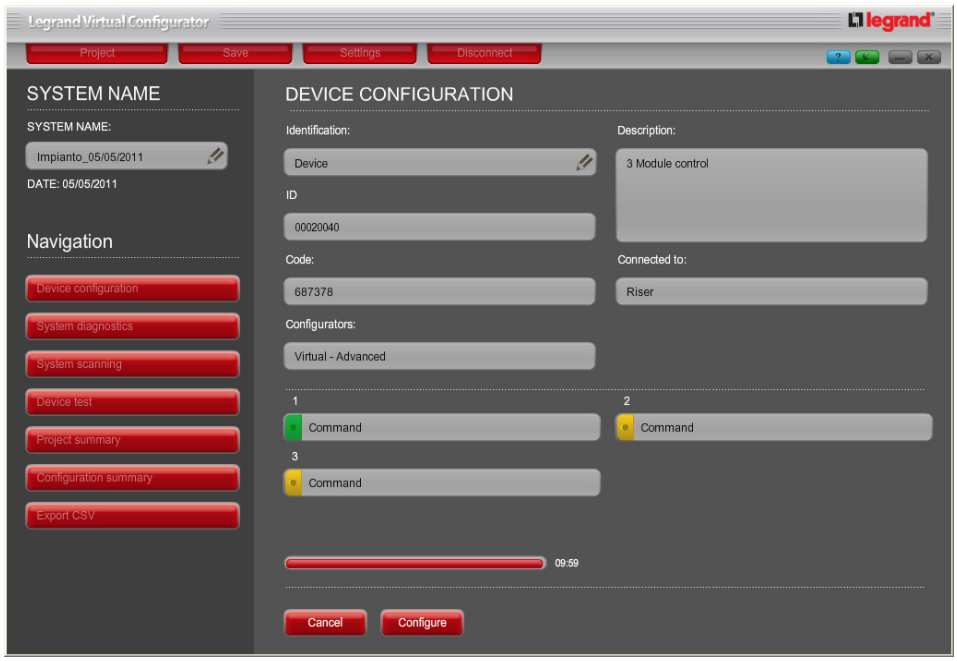
On the top of the screen is a summary of the device being configured, with a Description, the device ID, the Item code No., the connection, and the configurators.
In the Identification field, the user can enter a customised device description.

1. Select a command.

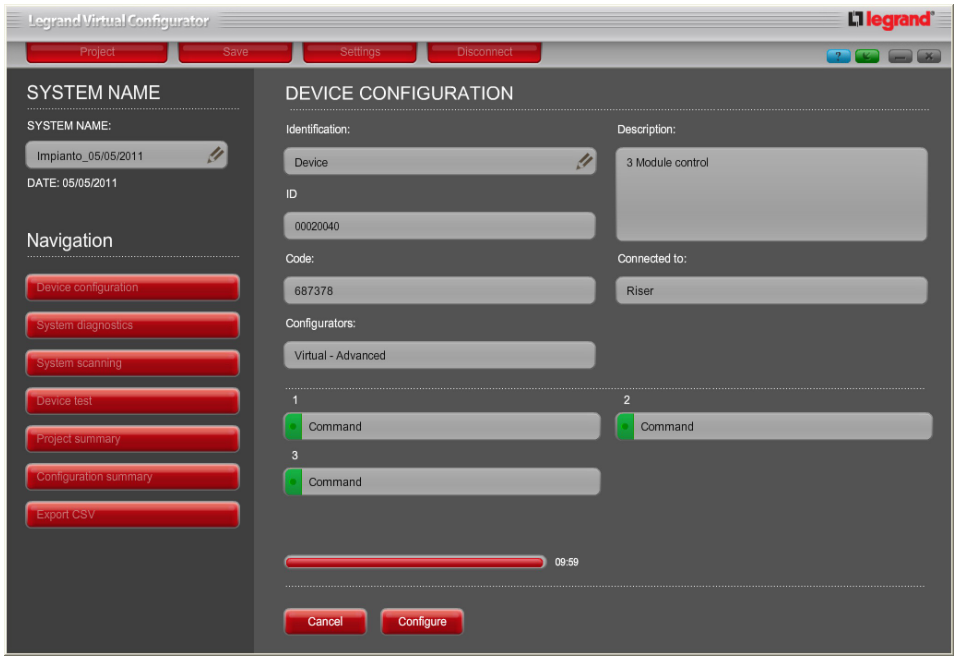
This will give access to the command configuration, giving the user the possibility of customising the command properties, and allocating to the command a free address on the Bus (for the operating modes of automation devices with virtual configuration see chapter **11**).
Once the configuration has been completed press **Send**.



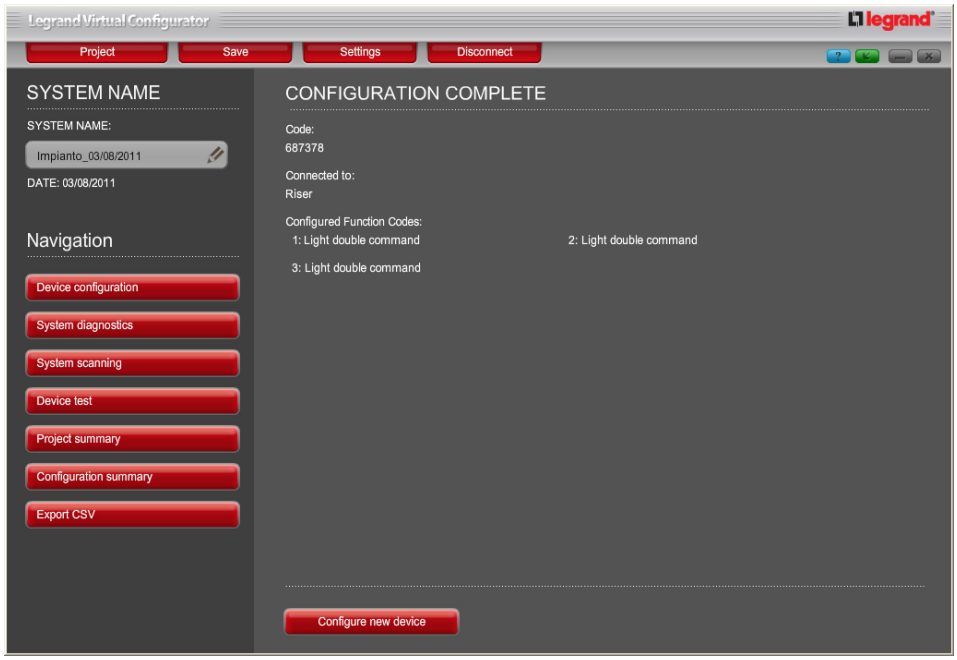
If the command has been correctly configured the icon changes status, and its colour goes from yellow to green.



Repeat the configuration operations for all the commands of the device.

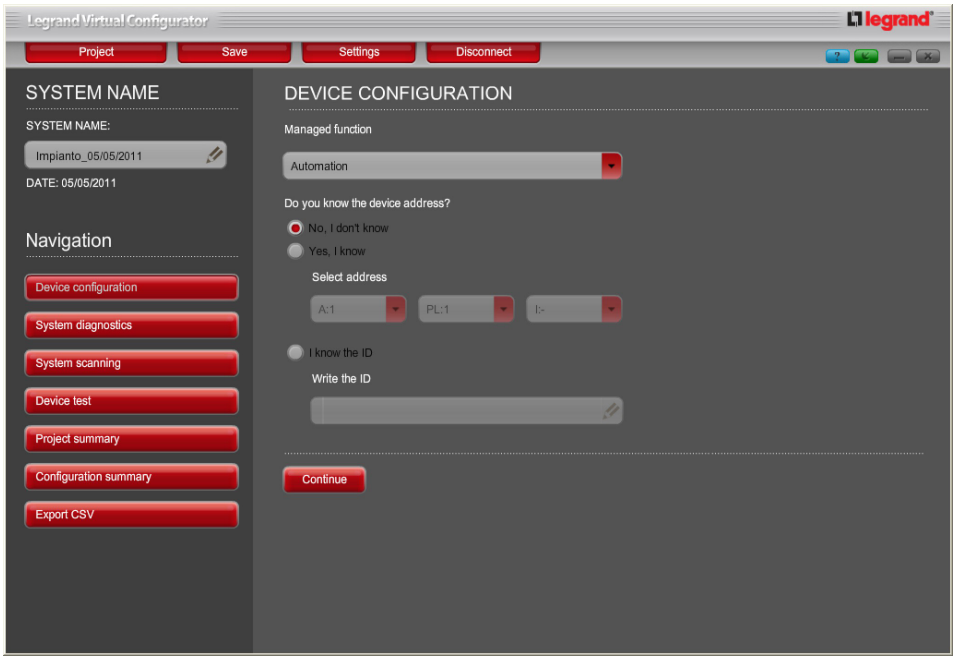


Once all the configuration operations have been completed, press **Configure** to send the configuration to the device.

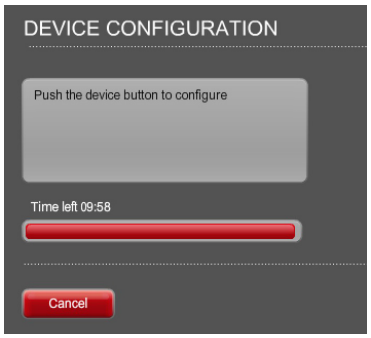


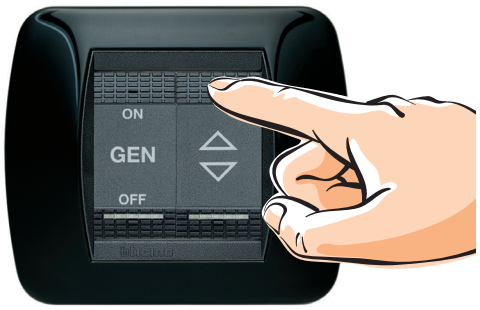
5.2 If the address is not known

This function can be used to configure a device for the first time, or to configure a device which address is not known.



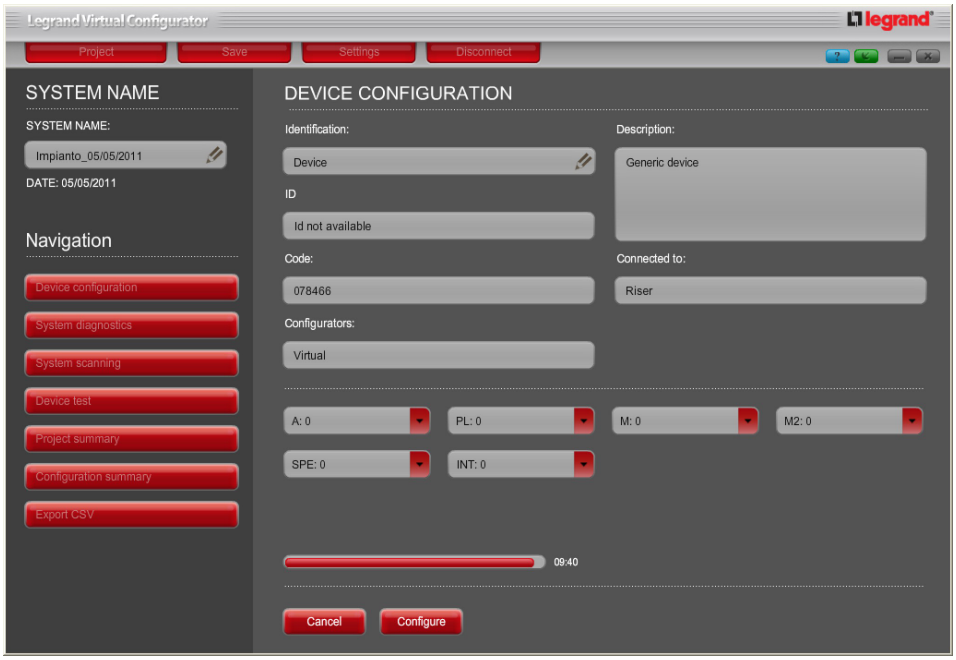
Make sure the No, I don't know option is selected, and press Continue. The My Home system switches configuration mode.



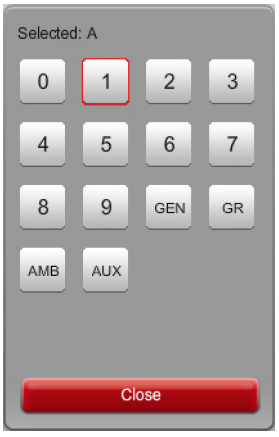


Press the key for the device to be configured within 10 minutes. If this is not done, an error message will be displayed.

The display shows the device information: item no., description, type of configurator and its position within the system (it shows if the device is connected to the riser, or to which SCS-SCS interface)

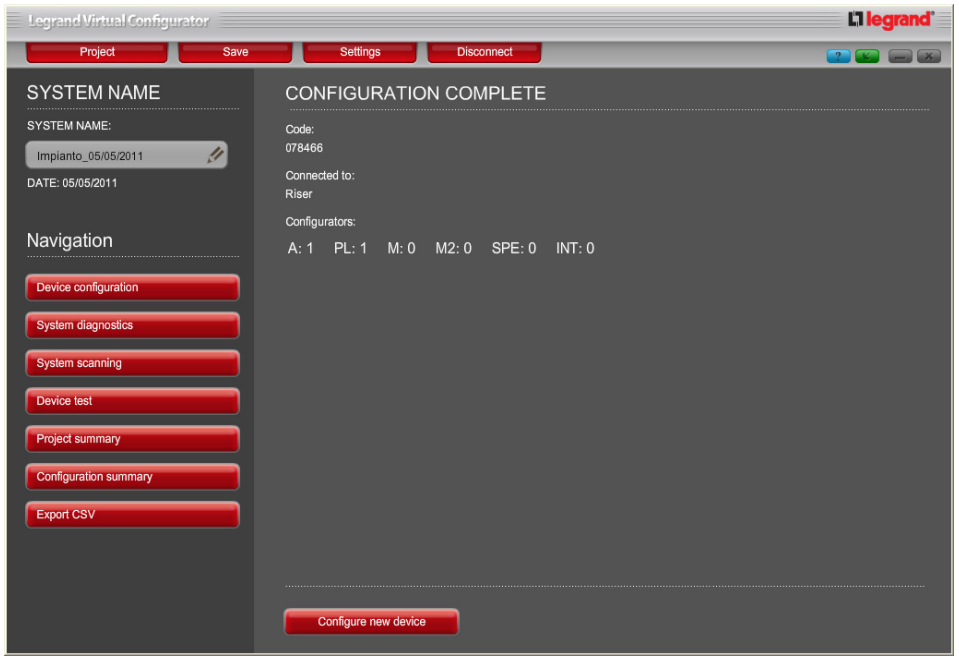


Open the configurator menu to change the device configuration; only the configurators applicable to the actual device will be available.
Once the procedure is completed, press **Configure**. The new configuration will be sent to the device.



If the configuration is wrong, it will be rejected and a warning message will be displayed.
Press **Close** and repeat the operation.

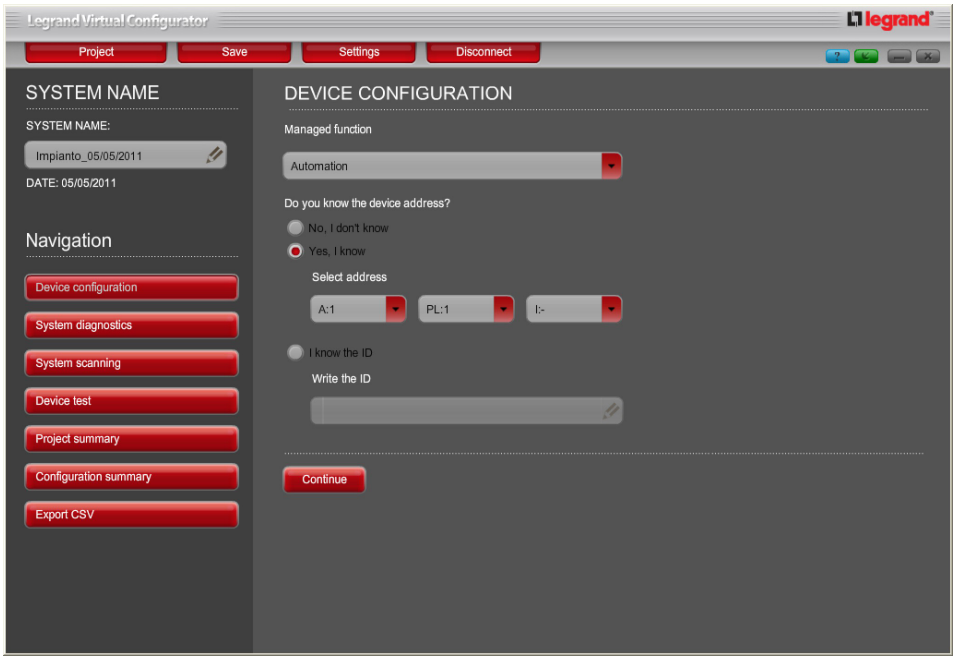
If the configuration is correct, the summary screen appears; press **Configure new device**, or select a different function.



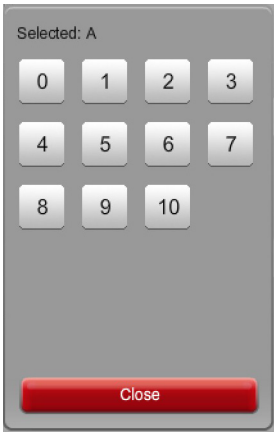
The configuration of devices previously configured using physical configurators cannot be changed.

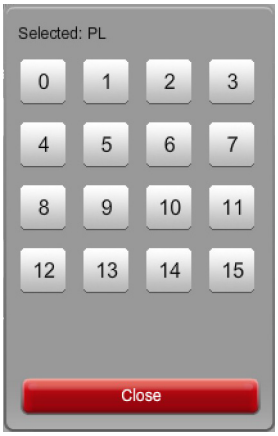
5.3 If the address is known

Using the procedure below, a device which actual configuration is known can be reconfigured.



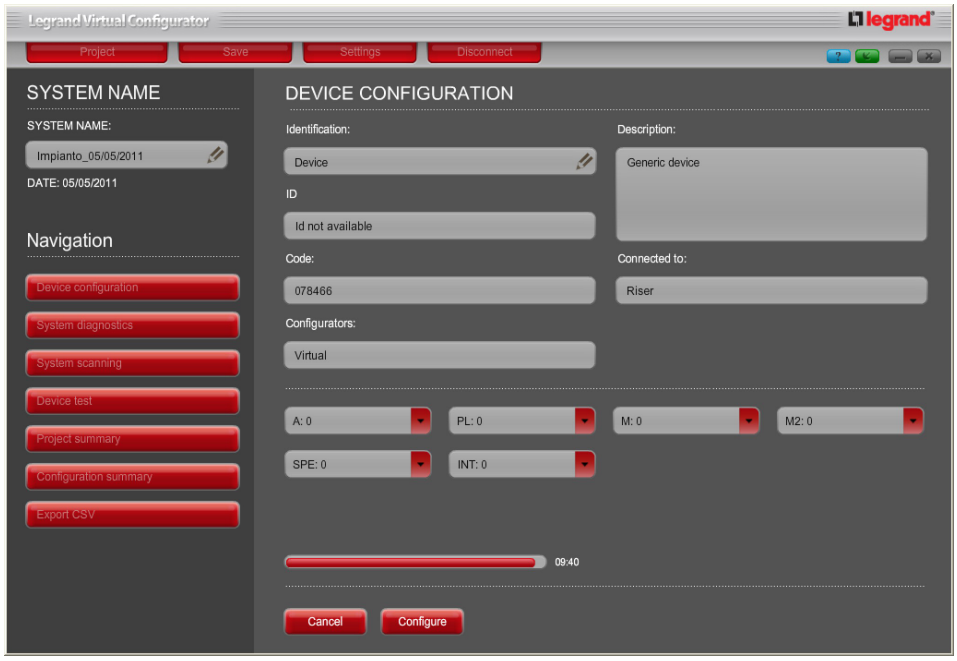
Select **Yes, I know**. This will enable the configuration keys.
Use the configurator menu to enter the current configuration of the device to be reconfigured





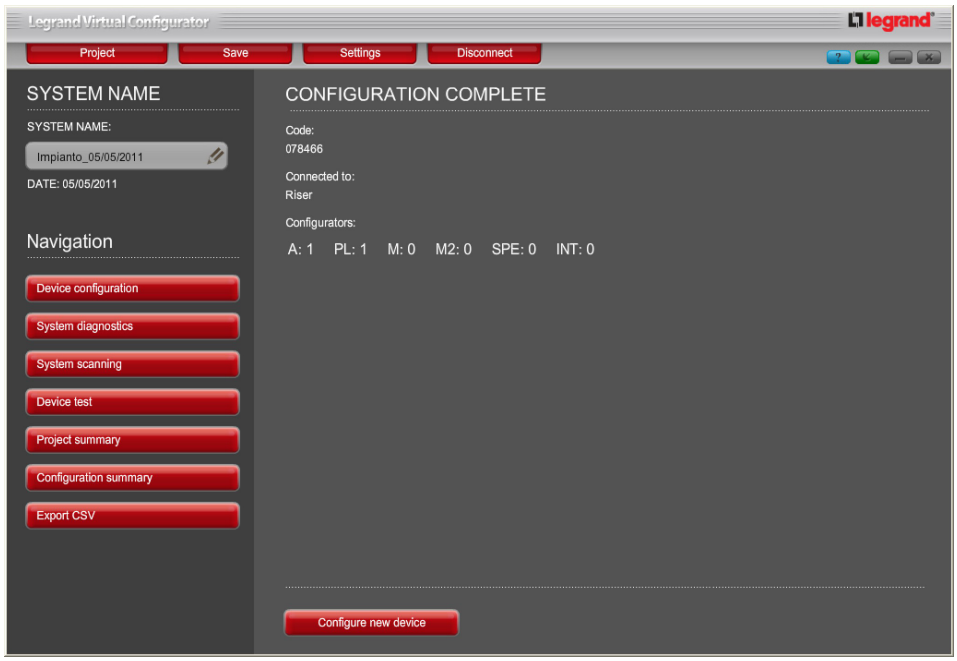
The **I** configurator refers to the interface 03562, to which the device to be configured is connected.
If the device is connected directly to the riser BUS, the I configurator should not be used (see the My Home technical guide).

Once the configuration has been entered, press **Continue**. Identification of the device within the system starts.



Once the device has been identified, the full description and its current configuration appear; if the device is not present, a warning message will be displayed.

Use the configurator menu to enter the new device configuration.
Press **Configure** to send the new configuration to the device.

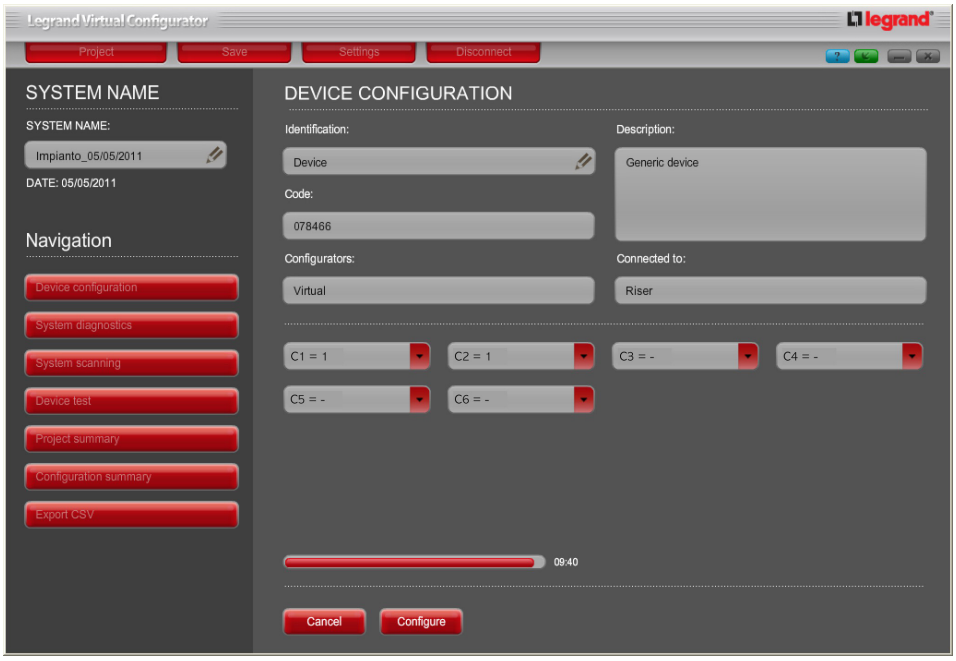


If the configuration is correct, the summary screen appears; press **Configure new device** or select a different function.

5.4 Generic device

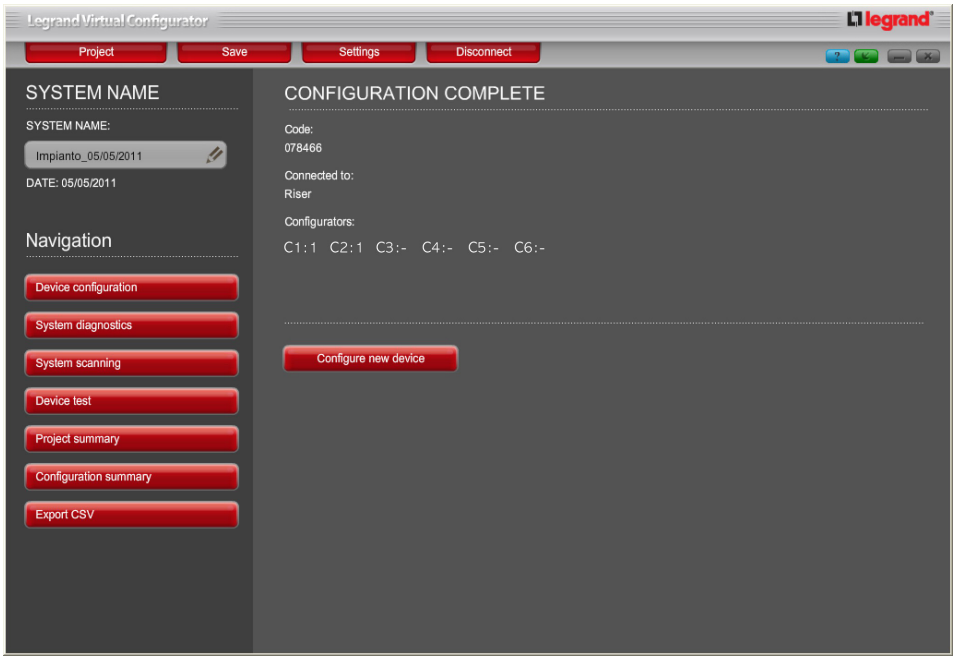
If the device is a more recent version than the software, Virtual Configurator may fail to recognise it.

In this case, a general screen appears, showing all existing configurators, which may be used to attempt configuring the device.



Press **Configure** to send the new configuration to the device. If the configuration is refused, a warning message appears. Try another configuration.

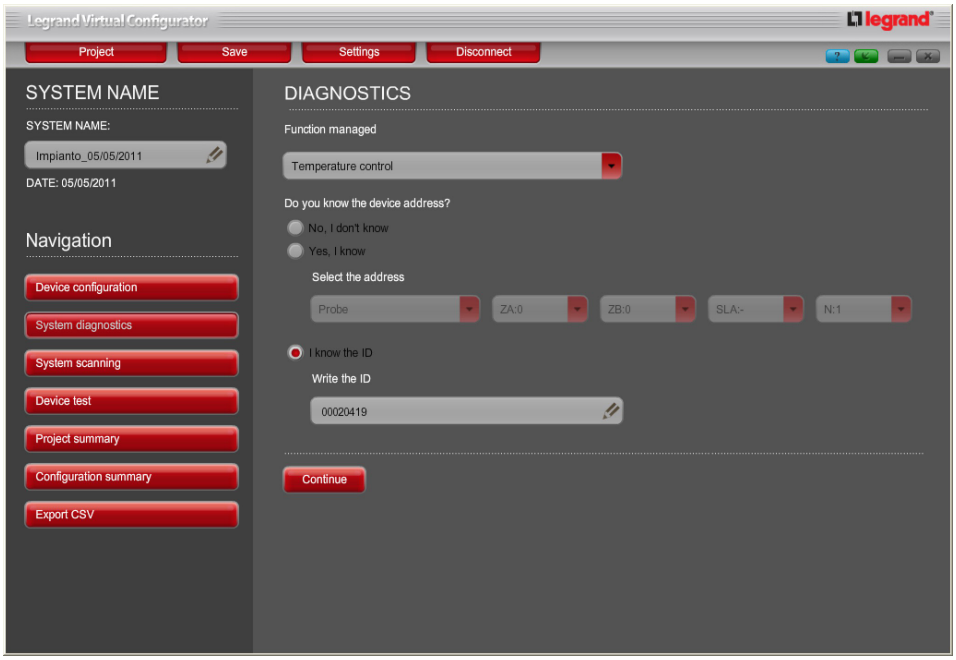
If the configuration has been accepted, the summary screen appears, showing the configuration sent.



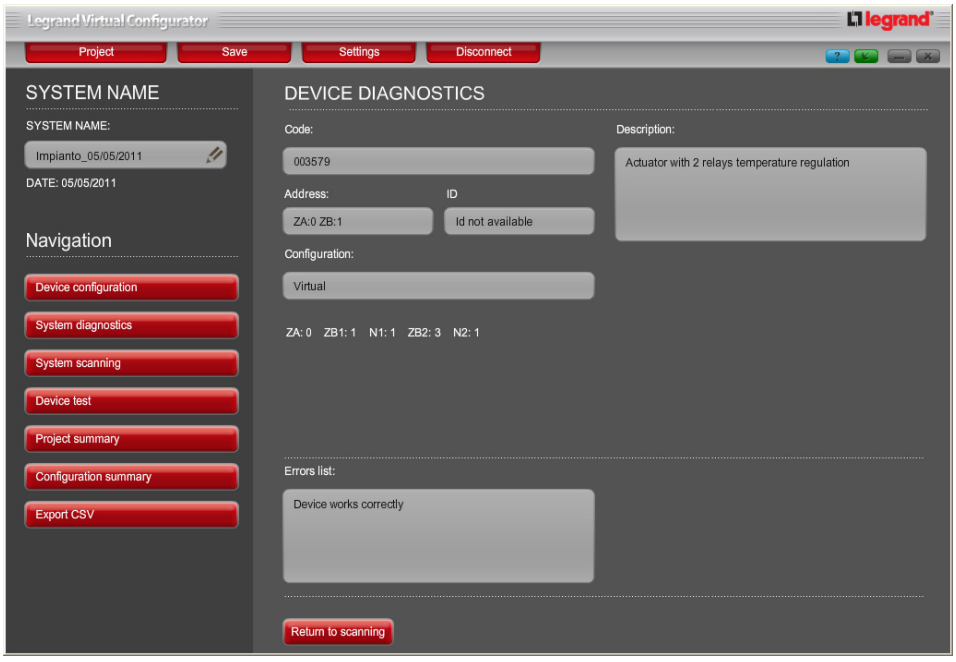
6. System diagnostic

Virtual Configurator can be used to check the operation of the devices connected to the BUS riser or to an item 03562 interface (see the My Home Guide).

If the device ID address is known, select "**I know the ID**". This will enable the field for entering the ID.

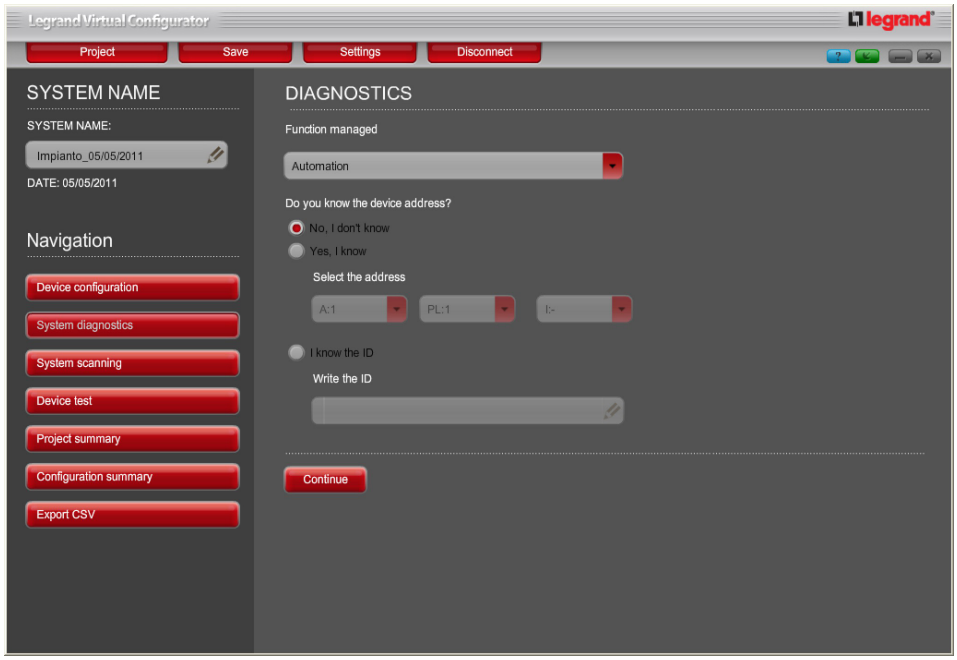


Enter the ID of the device for which you want to perform the diagnostic procedure and press Continue.

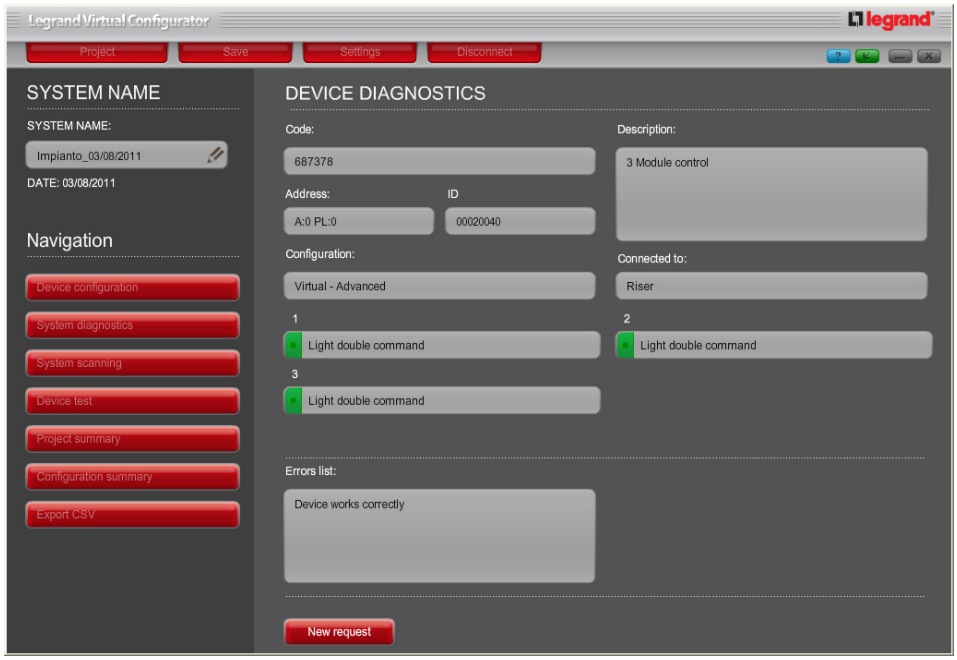


The screen will show the full description and the operating status of the device.

If the device address is not known select "**No, I don't know**" and press **Continue**.

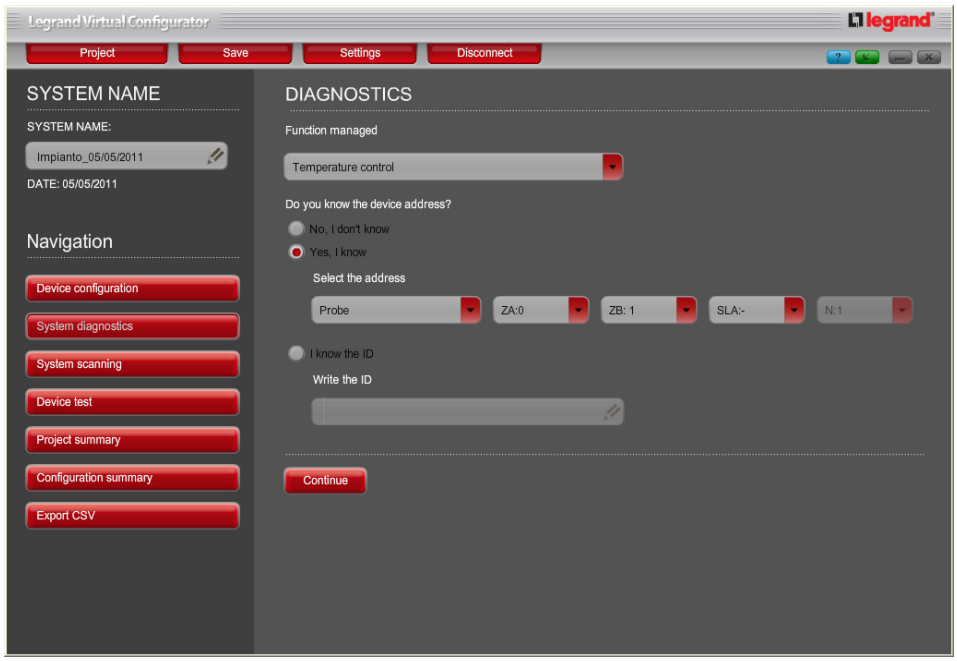


The system will ask to press a key of the device to be checked.
Press a device key within 10 minutes.

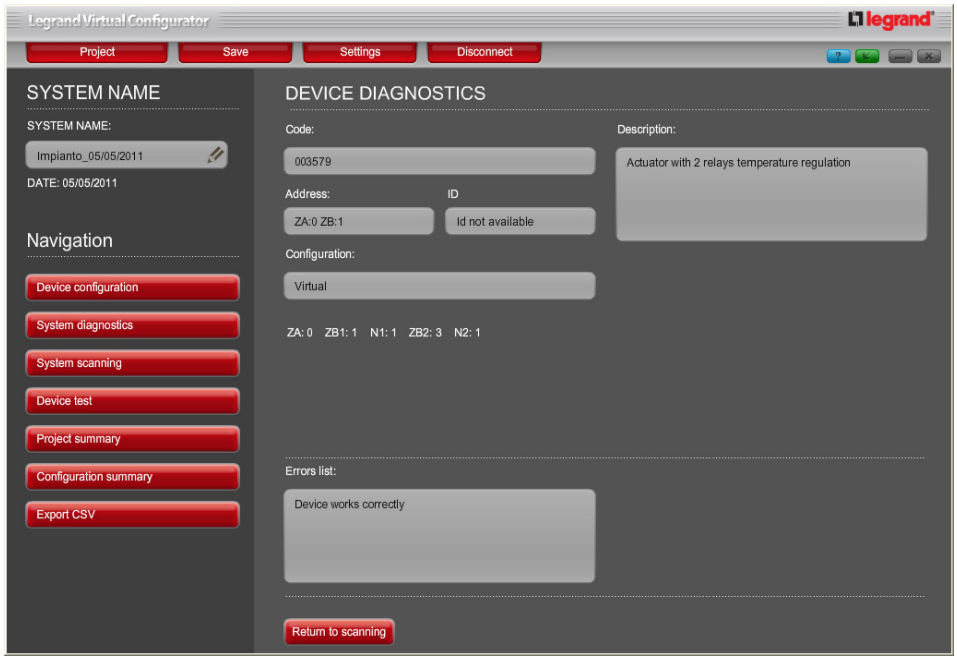


The screen will show the full description and the operating status of the device

If the device address is known, press Yes, I know. This will enable the configuration keys.



Use the configurator menus to set the configuration of the device to be checked.
Press **Continue** to start the diagnostic procedure.



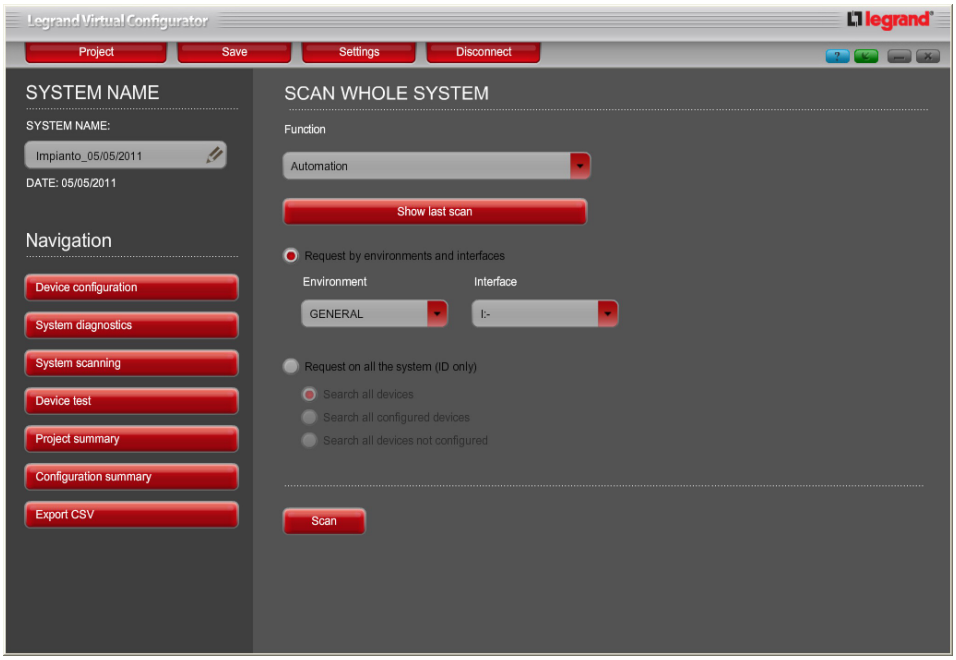
The screen will show the full description and the operating status of the device. If the set configuration does not correspond to any of the devices, a warning message will be displayed, and the operation can be repeated.

7. System scanning

This function can be used to check all the devices installed on the My Home system.

The whole system can be scanned, as well as a certain environment and/or the address of the 03562 interface (if no interface is selected, the riser BUS will be scanned).

Press **Scan** to start the scanning process

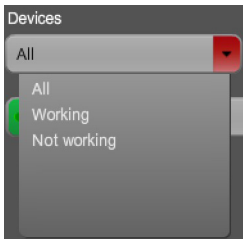


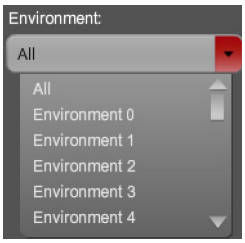
Once the procedure has been completed, the screen shows the list of all the system devices.
Use the arrow keys to scroll through the different pages, or press the number corresponding to the desired page on the bar below.

The different colours of the device indicate the test results:
Green = device working
Grey = device not present
Red = device faulty

1. Select any device (with the exception of those not present) to know its features.

It is also possible to select the display mode among the options listed in the **Devices**, **Bus**, and **Environment** menus.

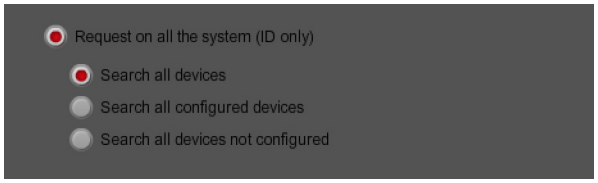




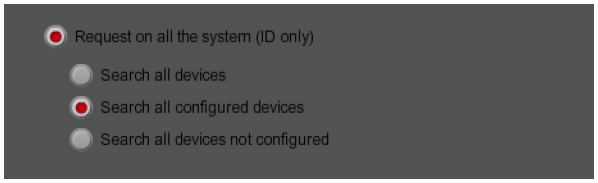
7.1 Interrogation on the whole system (ID only)

This function enables checking all the devices with an **ID** on the system.
The interrogation can be filtered in 3 different ways:

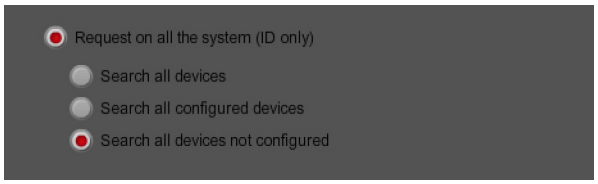
– Search all the devices



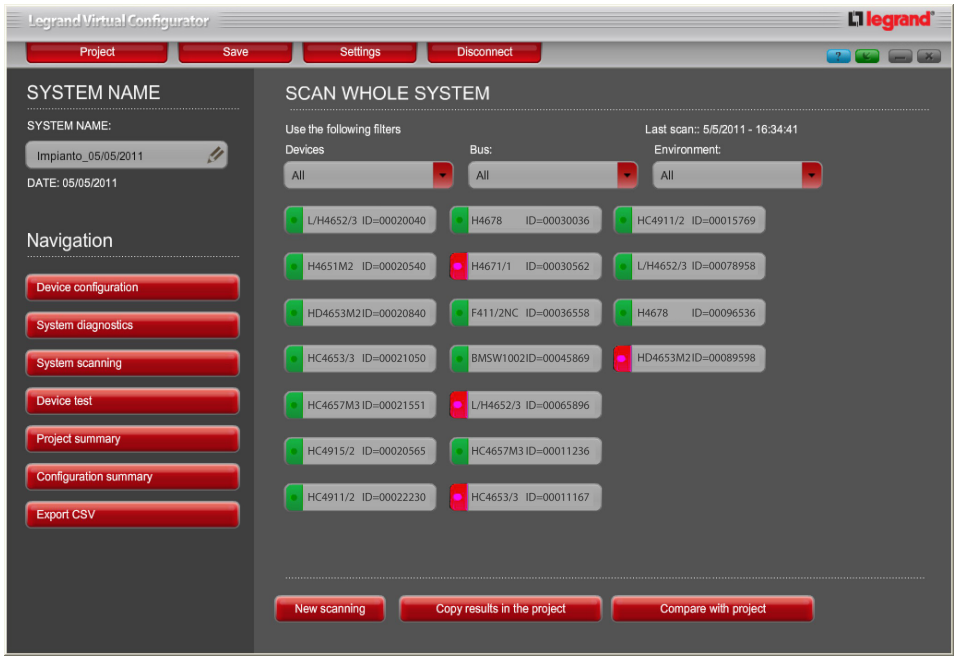
– Search all configured devices



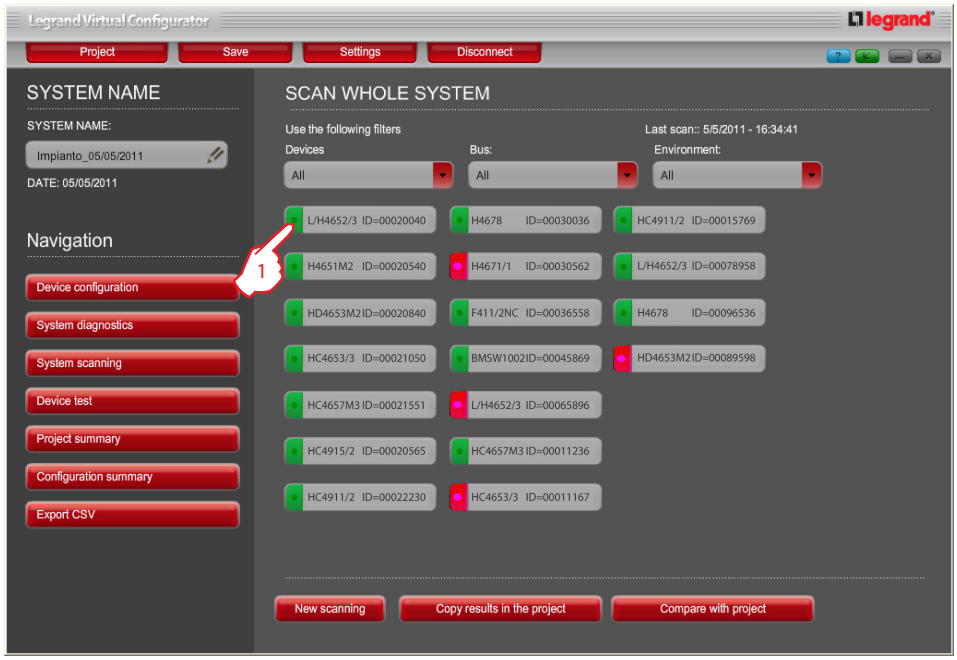
– Search all devices non-configured



Once the interrogation method has been selected press the **new scanning** pushbutton. The screen shows the list of all **ID** detected on the system (the example shown has been obtained selecting "**Search all devices**")

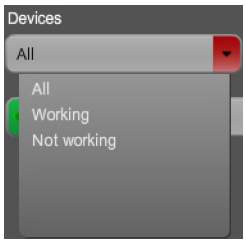


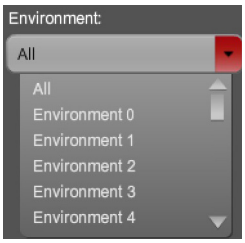
The different colours of the devices indicate the test results:
Green = device working
Red = device faulty



1. Select any device to know its features.

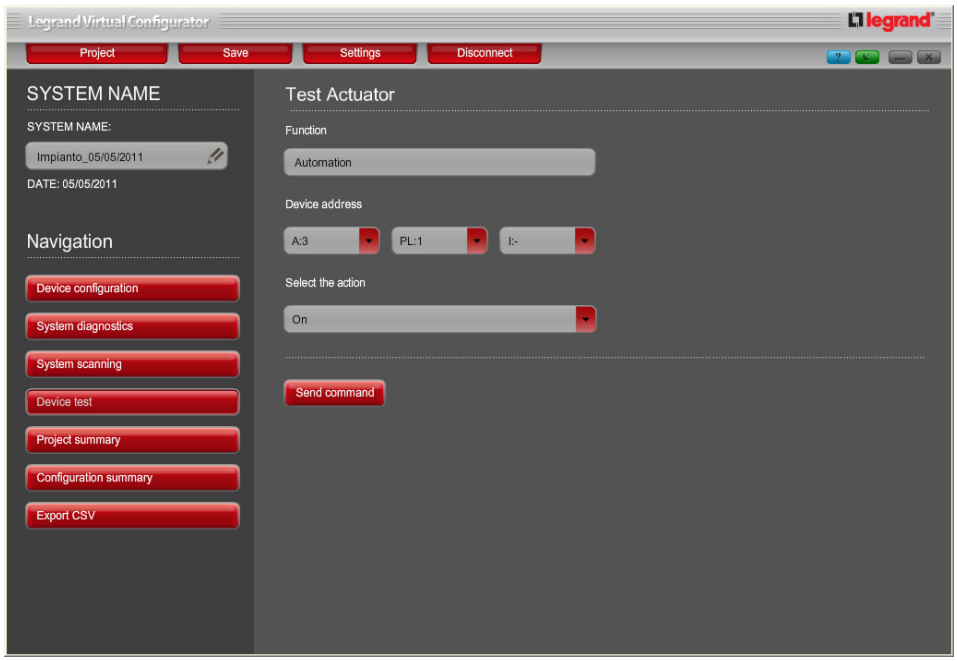
It is also possible to select the display mode among the options listed in the **Devices**, **Bus**, and **Environment** menus.



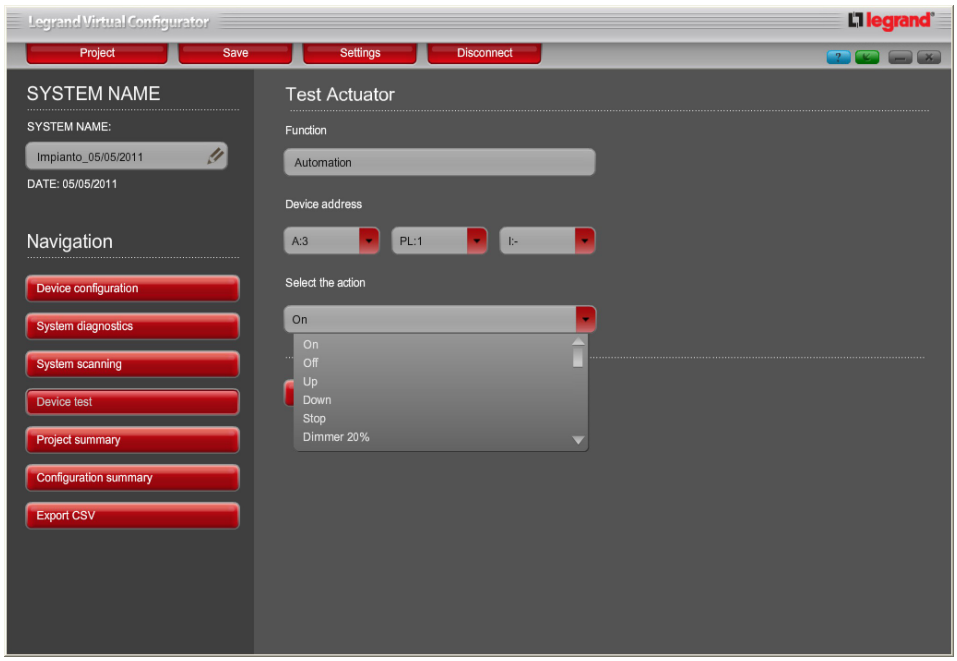


8. Device test

This function can be used to test the good working order of the individual actuators within the My Home system.

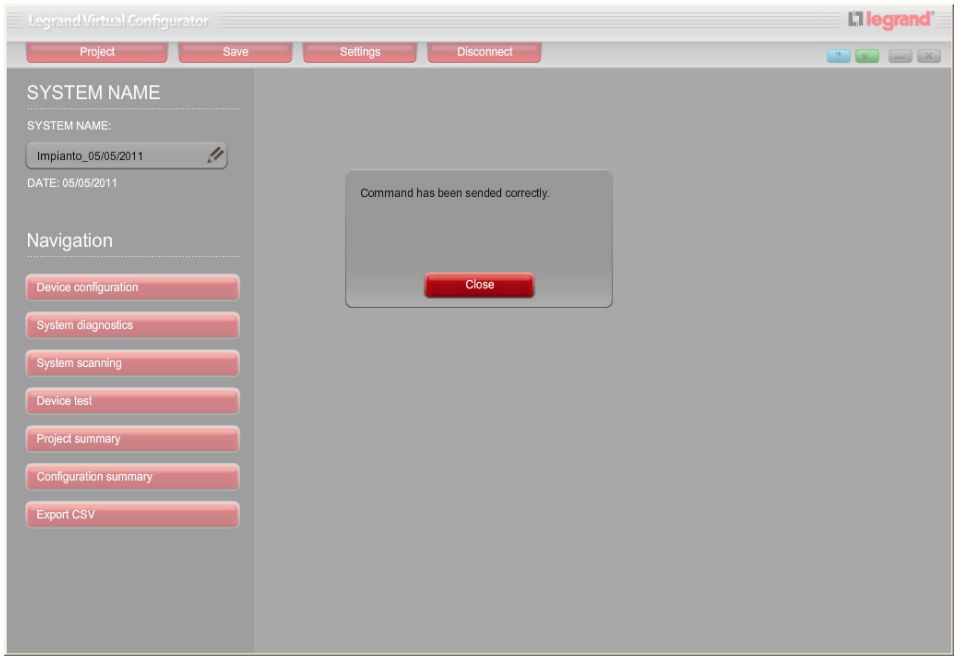


Use the drop down menu to select the address of the device to be tested. If this is not connected to the riser BUS, it will be necessary to also enter the I address of the 03562 interface. Based on the type of device, select the action among those listed on the menu.

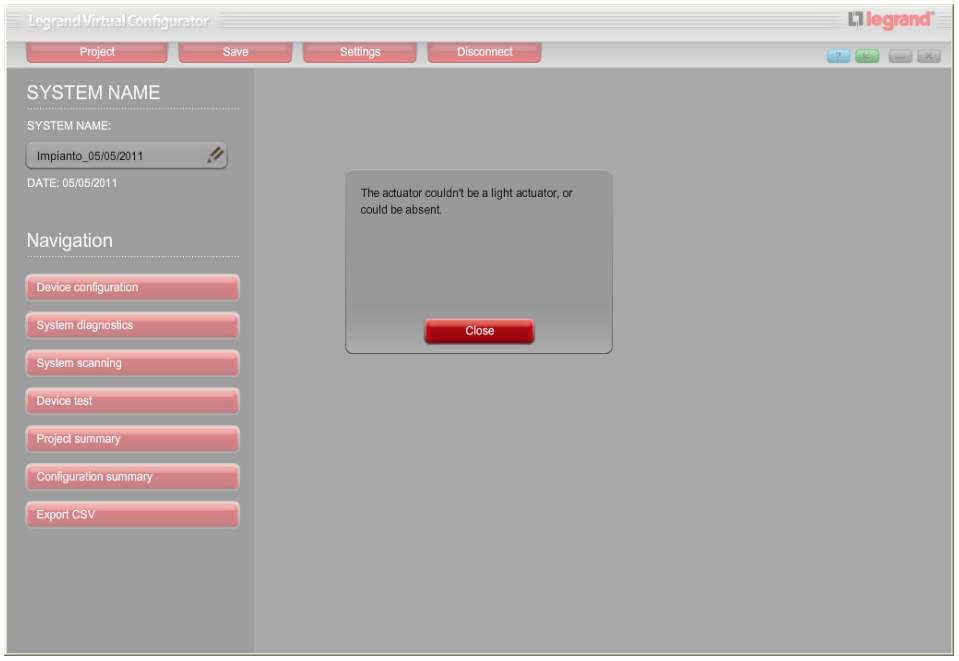


Press **Send command**

If the operation is successful, a confirmation message appears.
Press **Close** to return to the previous screen. It will now be possible to test another device.

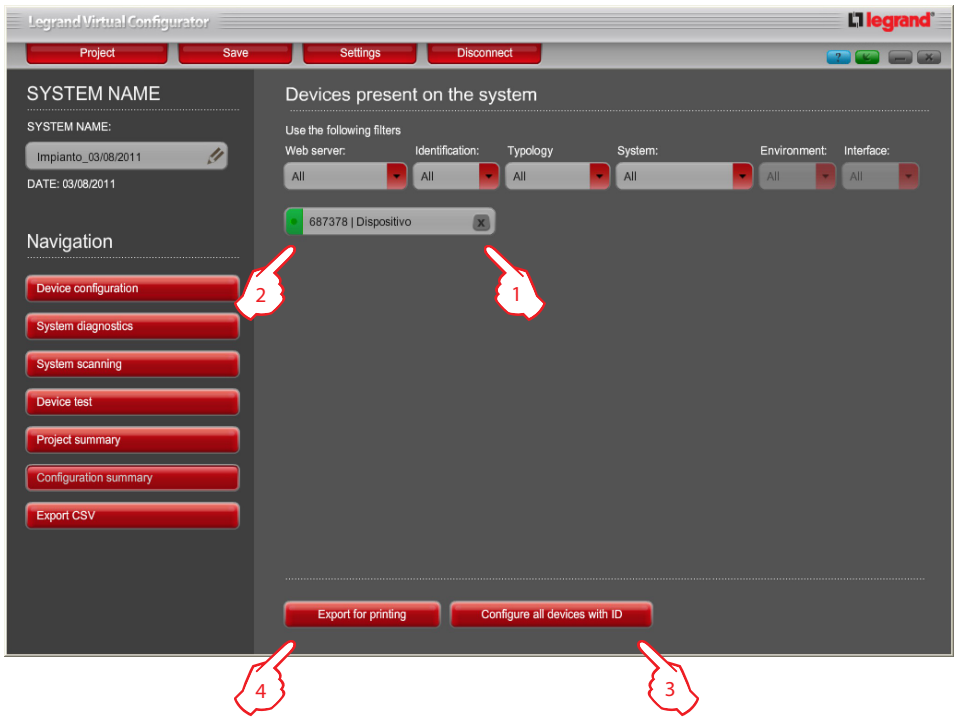


If the device is of the wrong type, or is not present in the system, a warning message appears.
Press **Close** to return to the previous screen, and try again.



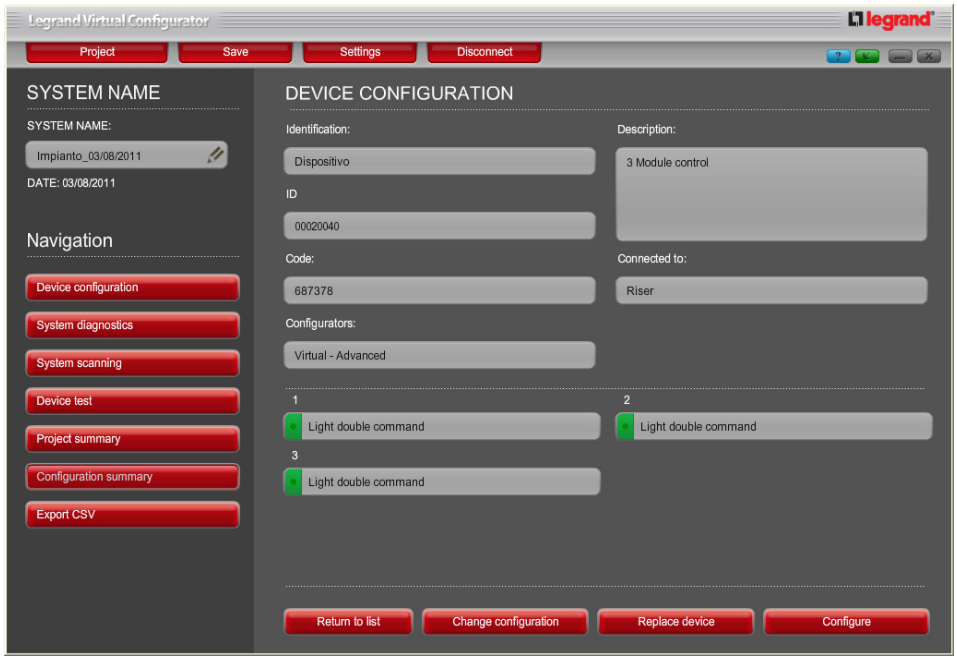
9. Project summary / Configuration summary

This function can be used to display the list of the devices within the system, and their individual features and configurations. The list can be exported as a .txt print file.

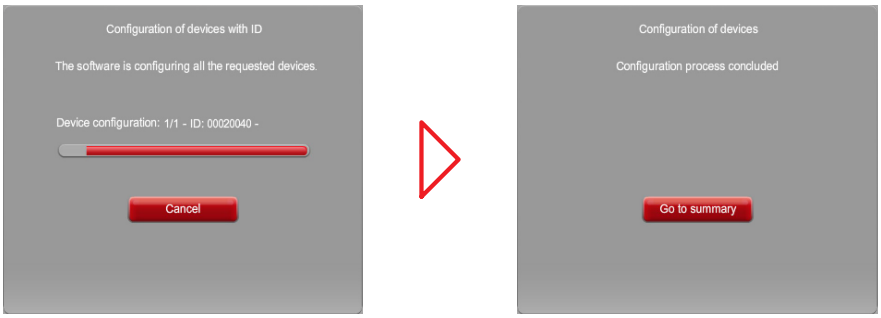


Press **Project summary** to display the list of devices on the system

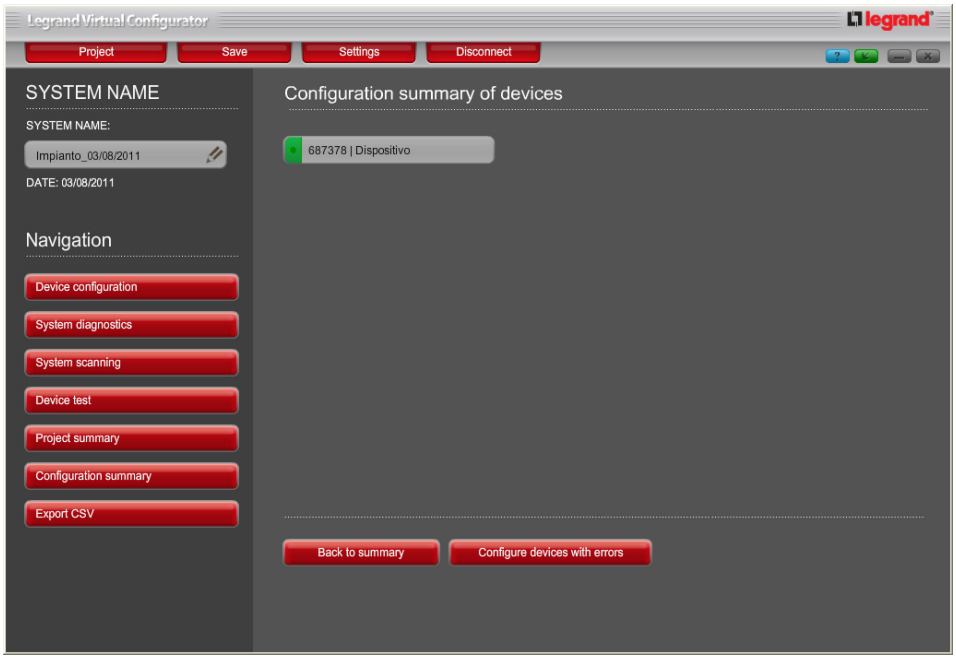
1. Press "**x**" in the corresponding device box to remove it.
2. To view the individual features of a device in details, press the corresponding box. A screen will appear, with the name, the item number and the configuration of the device.



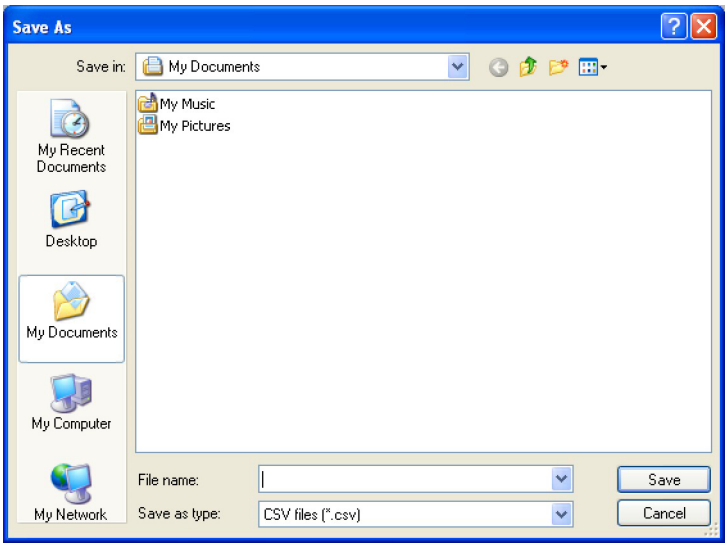
3. Press "**Configuration of devices with ID**" to automatically configure all the system devices with ID



Once the operation has been completed, a screen will appear showing the automatic configuration summary.



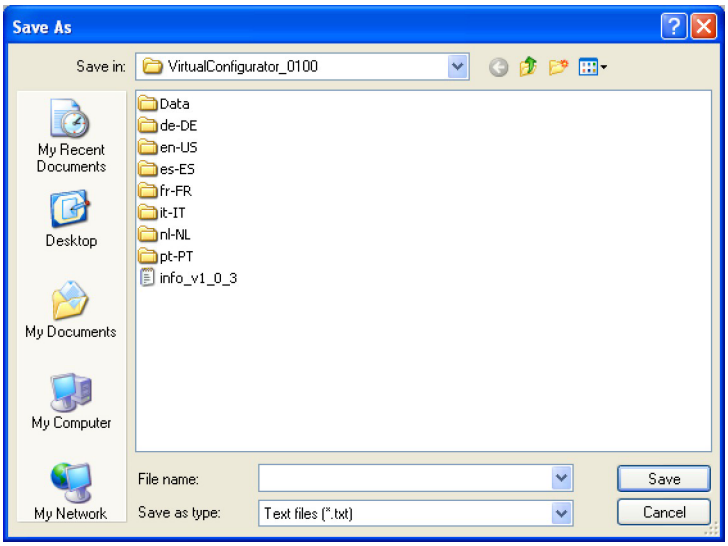
4. To export the device list press Export for printing.



Enter the name, select the destination folder and press **Save**

10. Export CSV file

This function can be used to export an existing project to a .csv file, which can then be opened using Microsoft Excel™.



Enter the name, select the destination folder and press **Save**

11. Extended description and operating modes of Automation devices with virtual configuration

Extended configuration devices have 2 configuration levels:

- **Functions**
- **Operating modes**

The functions identify what the device must do, while the operating modes identify how the device must operate to perform the preselected function. Below is a technical glossary explaining the terms used, to help identify the functions and the modes.

GLOSSARY OF FUNCTIONS

SENSORS

Local lighting/movement detector
It manages the presence of people and the lighting level. To be set when the sensor is not managed by the central unit.

Local lighting sensor
It only manages the lighting level. To be set when the sensor is not managed by the central unit.

Local movement sensor
It only manages the presence of people. To be set when the sensor is not managed by the central unit.

Central lighting/movement detector
It manages the presence of people and the lighting level. To be set when the sensor is managed by the central unit.

Central lighting sensor
It only manages the lighting level. To be set when the sensor is managed by the central unit.

Central movement sensor
It only manages the presence of people. To be set when the sensor is managed by the central unit.

PLUS IR scenario control
It manages the recalling of scenarios set on IR remote controls, item BMGE1001 and item BMGE1003.

ACTUATORS/DIMMERS

Light actuator
ON/OFF management of the load connected.

Dimmer
Management of the load dimmer adjustment.

Rolling shutter actuator
Function for the management of rolling shutter up/down movement.

Curtain actuator
Function for the management of shutter opening/closing.

COMMANDS

Double light command
Management of the lighting system

Double rolling shutter command
Function for the management of rolling shutter up/down movement.

Double CEN command
Recalling of scenarios saved in the central unit item BMNE500. Addresses from 1 to 175.

Double CEN PLUS command
Like the "CEN double control" but with addresses extended from 1 to 2047

Double AUX command
Management of auxiliary channels

Double disable command
Mode for disabling the control functions.

Double scenario command
Recalling of scenarios saved in the scenario module.

Double scenario PLUS command
Recalling of advanced scenarios stored in the devices (actuators, dimmers, room controllers). It does not use any address.

Double video door entry system command
Recalling of video door entry system functions such as Call to the floor or staircase lights.

Double sound system command
Function for the management of a sound system loudspeaker/room.

OPERATING MODE GLOSSARY

SENSORS

Type of addressing
In point-point mode the sensor manages a single load. Indicate the address of the load by entering the values in the menu on the right. In Group mode it is possible to select the management of several loads belonging to different addresses.

Main group
It identifies a main group of sensors/actuators/dimmers/room controllers to be managed.

Reference address
It indicates the address of the actuator/dimmer of which the sensor must follow the status.

Sensor group
It identifies the secondary groups to which sensors/actuators/dimmers/room controllers belong to, in addition to the main one to manage.

Main group control
Enabling/disabling of the main group management.

Detection mode
It identifies the technology to use for the detection (PIR/US).

Load control
In case of groups with several sensors, the Master sensor is activated, which manages the load directly. The other sensors must be disabled, as they operate in Slave mode.

PIR sensitivity
This is used to set the number of beams emitted by the sensor during the detection process.

US sensitivity
This is used to set the number of beams emitted by the sensor during the detection process.

Reference light
Entering of the lux value that the sensor must maintain inside the room.

Hours/Minutes/Seconds
The switch off time delay from the time a movement was detected.

Control cycle
Always closed

Initial presence
It's used to set the detection mode of the initial movement.

Re-trigger
This function switches the light back on in case of unwanted switching off due to a movement not being detected.

Daylight factor
It expresses the ratio between the lighting produced by natural light on a plane inside the room, and the level of lighting produced on the plane itself, from the unobstructed sky (max 255).

Lighting adjustment
To be set depending on the type of load management, ON/OFF or Dimmer.

Operating mode
It indicates the mode of operation of the lighting system managed by the involved sensor.

Preserve the presence
It's used to set the mode for the preservation of the presence for the management of the lighting system.

Alarm
It indicates how the sensor can notify the imminent switching OFF of the lighting system.

ACTUATORS/DIMMERS

Master – standard mode
ON/OFF load management. Possibility of setting a time delay (240 sec. maximum) for the delayed switching OFF of the SLAVE actuator (if the case).

Slave
The device receives a control sent by the actuator identified as Master with the same address.

Master PUL
Pulse mode ON/OFF load management. It does not take into account Room and General controls. Possibility of setting a time delay (240 sec. maximum) for the delayed switching OFF of the SLAVE actuator (if the case).

Slave and PUL
The device receives a command sent by the actuator identified as master with the same address. Pulse mode operation.

Local pushbutton mode
This functions offers the possibility of managing the load using the device pushbutton (cyclical ON/OFF, ON/OFF, Pushbutton, Timed ON); when used for the management of rolling shutters, the following modes can be set: bistable and monostable.

STOP Time
This function enables setting the final time after which the actuator is automatically disabled when in rolling shutter or curtain mode.

Delay between the doors
In curtain mode, this function enables setting a time delay (60 sec. maximum) before the rabbeted window starts opening or closing.

COMMANDS

Cyclical standard
For point-point commands, in non-tilting mode, a short pressure of the command is used to perform the ON/OFF function, while an extended pressure of the lower section of the command is used for the adjustment function. For group, room, and general controls, it only performs the ON/OFF function.

ON timed
The load managed switches OFF after a preset time, to be set in the corresponding item.

Cyclical with adjustment
The same as the cyclical standard, but the adjustment is possible for all commands, point-point, group, room, and general

O/I with adjustment
The same as standard O/I, but the adjustments are also possible with group, room and general commands.

Cyclical without adjustment
it only performs ON/OFF functions, for all point-point, group, room, and general commands.

O/I without adjustment
For commands, in tilting mode, it performs the ON functions when the upper key is pressed, and the OFF function when the lower key is pressed.

Standard O/I
For point-point commands, in tilting mode, when the upper key is pressed, with a short pressure it performs the ON function, and with an extended pressure the adjustment function; when the lower key is pressed, with a short pressure it performs the OFF function, and with an extended pressure the adjustment function. For group, room, and general commands, it only performs the ON/OFF function.

OFF
The device only sends OFF commands to the load.

ON
The device only sends ON commands to the load.

PUL
The device operates as a pushbutton.

Flashing
The device sends a flashing command to the load. The time indicates the flashing speed.

Dimmer level
It defines the percentage value of the power on the load.

Extended cyclical standard adjustment
As for the standard cyclical mode, but the soft start/stop times, dimming times, and switching on level can also be set.

Extended standard O/I adjustment
As for standard O/I mode, but the soft start/stop times, dimming times, and switching on level can also be set.

Extended cyclical adjustment
As for cyclical mode with adjustment, but the soft start/stop times, dimming times, and switching on level can also be set.

Extended adjustment with O/I
As for O/I mode with adjustment, but the soft start/stop times, dimming times, and switching on level can also be set.

Extended non-cyclical adjustment
As for cyclical mode without adjustment, but the soft start/stop times, dimming times, and switching on level can also be set.

Extended adjustment without O/I
As for O/I mode without adjustment, but the soft start/stop times, dimming times, and switching on level can also be set.

Monostable command
In rolling shutter mode the duration of the command corresponds to the time the key is pressed.

Bistable Command
In rolling shutter mode, with the simple pressure of the control, the motor connected stays ON until the end of the stroke.

World Headquarters and
International Department
87045 LIMOGES CEDEX FRANCE
☎: 33 5 55 06 87 87
Fax : 33 5 55 06 74 55
www.legrandelectric.com