



**BUILDING AUTOMATION:  
THE PLATFORM FOR BUILDING AUTOMATION AND ENERGY SAVING**

**CENTRAL CONTROLLERS:**

**FLASH NEW TOOL FOR LEGACY CENTRAL CONTROLLER**

JULY 23.07.2020

AE-Engineering Center – José María Redondo

Internal Use Only

# José María Redondo

BMS & Control Engineer  
AE-Engineering Center



HQ EU: Paris & Frankfurt

## INTRODUCTION

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- ORIGIN
- ADOBE FLASH EOL
- LEGACY CENTRAL CONTROLLERS
- LG FLASH NEW TOOL (FOC)
- HANDS-ON: LG SPAIN: ACP BACNET

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## FLASH TOOL FOR LEGACY CENTRAL CONTROLLERS

ORIGIN

## ORIGIN

### REMOTE ACCESS FOR CENTRAL CONTROLLERS

- Remote access from INTERNET
- Natural evolution of the Technology: ADOBE FLASH EOL (December 2020)
- FLASH GRAPHICAL USER INTERFACE (GUI) IN ALL the 4<sup>th</sup> generation (IV) of LG Central Controllers
- AFTER-SALES ISSUE: ALREADY INSTALLED DEVICES ON SITE
- HQ DEVELOPING NEW TOOL:
  - LG FOC software
  - **NAME: ACP&ACSmartConnectTool.EXE**

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## FLASH TOOL FOR LEGACY CENTRAL CONTROLLERS

ADOBE FLASH EOL

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## CONFIGURATION

### AC SMART PREMIUM & IV / ACP IV / ACP LON / ACP BACnet

- Programming based on FLASH (EOL December 2020)  
<https://www.adobe.com/es/products/flashplayer/end-of-life.html>

<https://www.blog.google/products/chrome/saying-goodbye-flash-chrome/>

- HQ is developing a tool for keep the compatibility with previous devices

Adobe Flash Player EOL General Information Page

#### 1. When is the Flash Player end-of-life (EOL)?

As [previously announced](#) in July 2017, Adobe will stop distributing and updating Flash Player after December 31, 2020 ("EOL Date"). We made this announcement in collaboration with several of our technology partners – including [Apple](#), [Facebook](#), [Google](#), [Microsoft](#) and [Mozilla](#) – which issued complementary announcements with more technical detail on what the Flash Player EOL will mean for developers, enterprises, and consumers using their specific OS environments or browsers.

#### 2. Why did Adobe decide to EOL Flash Player and select the end of 2020 date?

Open standards such as HTML5, WebGL, and WebAssembly have continually matured over the years and serve as viable alternatives for Flash content. Also, the major browser vendors are integrating these open standards into their browsers and deprecating most other plug-ins (like Adobe Flash Player). By announcing our business decision in 2017, with three years' advance notice, we believed that would allow sufficient time for developers, designers, businesses, and other parties to migrate existing Flash content as needed to new, open standards.

#### 3. How will this decision impact Adobe Flash Player support and distribution for the remainder of the year (2020)?

#### CHROME

## Saying goodbye to Flash in Chrome

Anthony Laforge  
Product Manager, Google  
Chrome

Published Jul 25, 2017

Today, [Adobe announced its plans](#) to stop supporting Flash at the end of 2020.

For 20 years, Flash has helped shape the way that you play games, watch videos and run applications on the web. But over the last few years, Flash has become less common. Three years ago, 80 percent of desktop [Chrome](#) users visited a site with Flash each day. Today usage is only [17 percent](#) and continues to decline.

This trend reveals that sites are migrating to open web technologies, which are faster and more power-efficient than Flash. They're also more secure, so you can be safer while shopping, banking, or reading sensitive documents. They also work on both mobile and desktop, so you can visit your favorite site anywhere.

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## FLASH TOOL FOR LEGACY CENTRAL CONTROLLERS

### LG LEGACY CENTRAL CONTROLLERS



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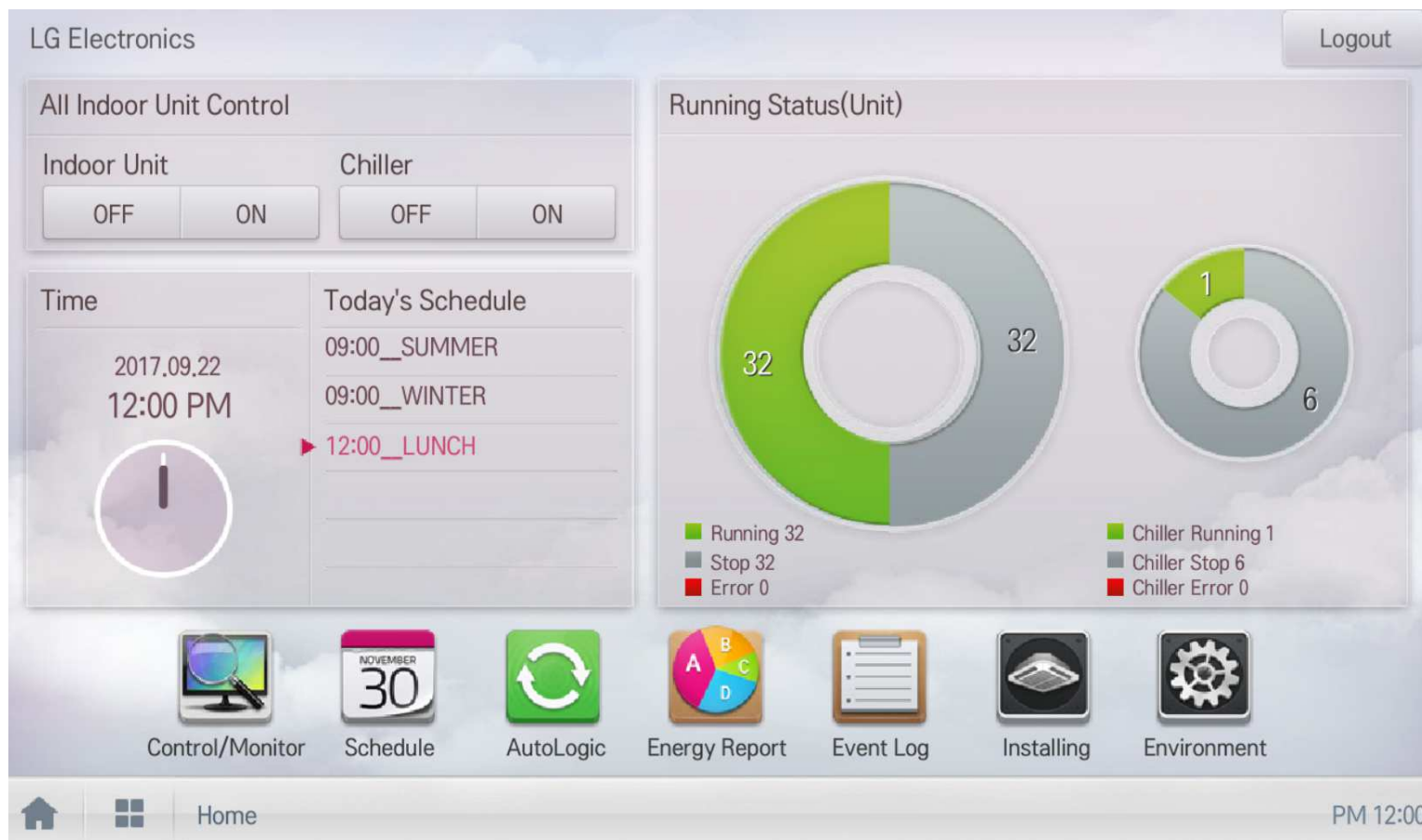
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## LEGACY CENTRAL CONTROLLERS

### COMPATIBILITY LIST

- All devices with FLASH based Technology (below Appearance):



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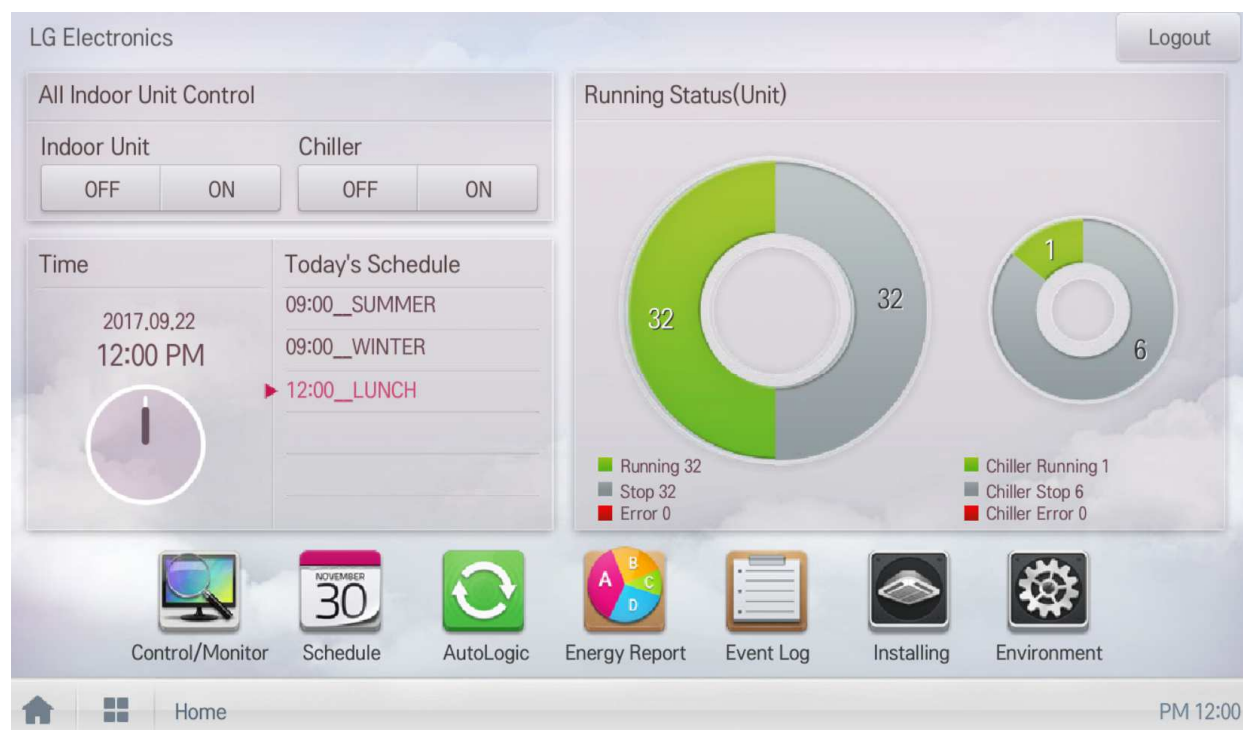
## LEGACY CENTRAL CONTROLLERS

### COMPATIBILITY LIST

- All devices with FLASH based Technology (below Appearance):

- LEGACY CENTRAL CONTROLLERS LIST:

- **AC SMART PREMIUM**
- **AC SMART IV**
- **ACP IV**
- **ACP LON**
- **ACP BACnet**



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## FLASH TOOL FOR LEGACY CENTRAL CONTROLLERS

ACP&ACSmartConnectTool.EXE

## ACP&ACSmartConnectTool.EXE

### Software

- Free of Charge
- We must share with our customers and local subsidiary
- Download from EU-WORKPLACE
- Easy tool
- Emulate a FLASH PLAYER:
  - Locally (LAN)
  - Remotelly (Internet -WAN)

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## ACP&ACSmartConnectTool.EXE

### Software

- Installation of the “.exe” file
- After installation procedure an icon will be added on the Desktop:



- Run the program
- Configure Network connection: LAN or WAN
- Specific port: **DEFAULT 80**

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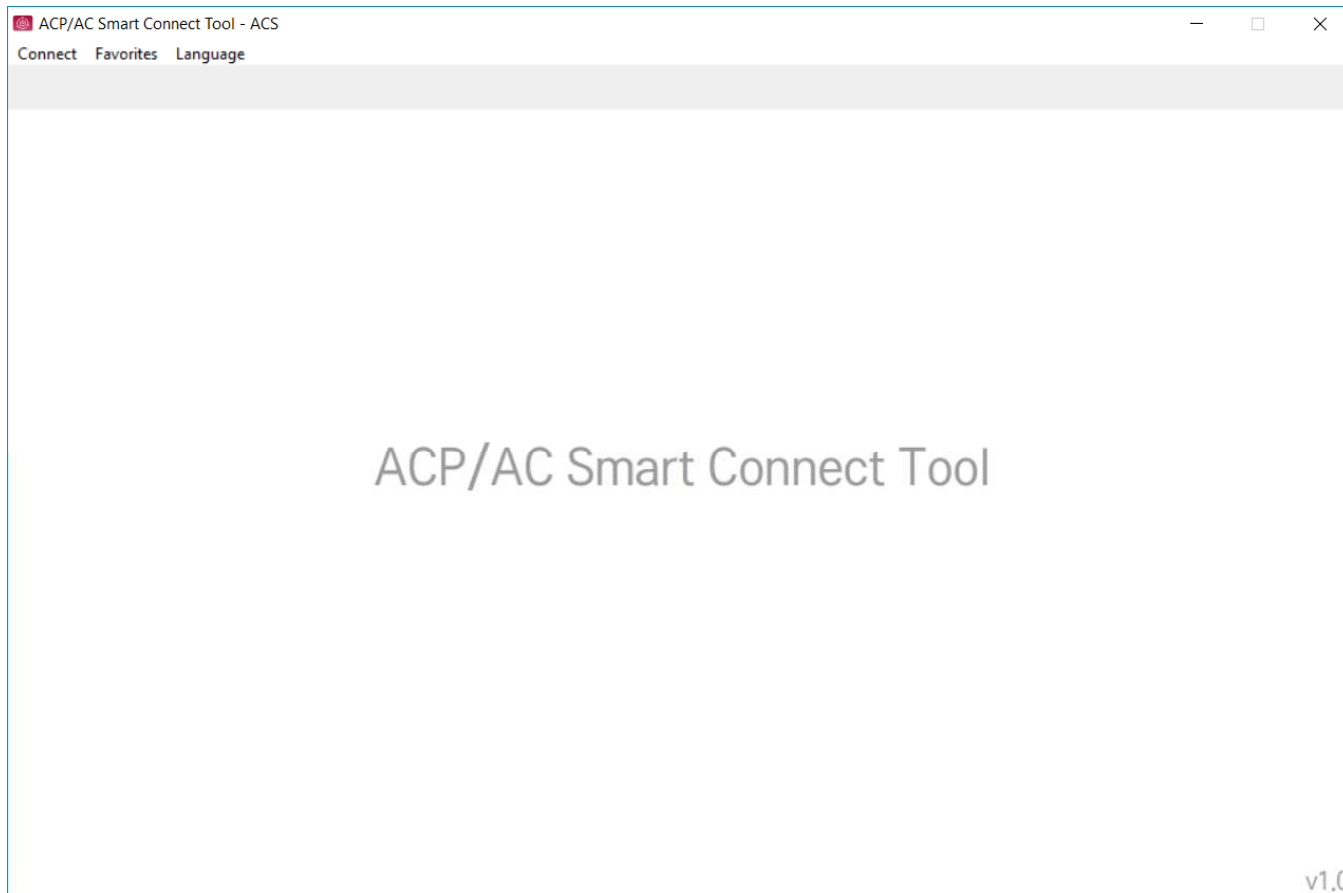
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## ACP&ACSmartConnectTool.EXE

### Software

- Configure Network connection: LAN or WAN
- Specific port: **DEFAULT 80**



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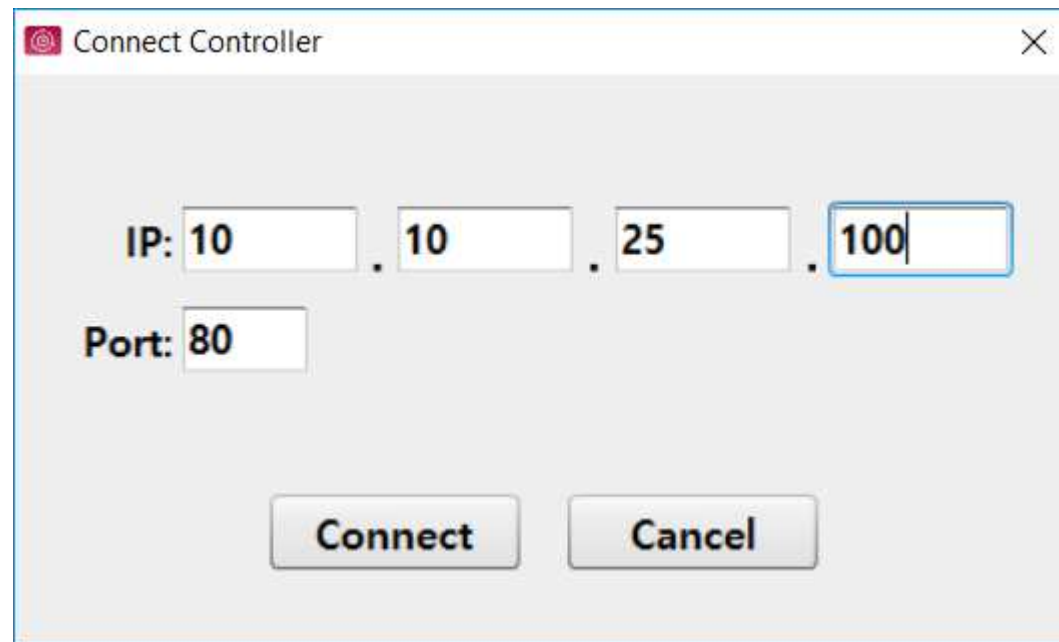
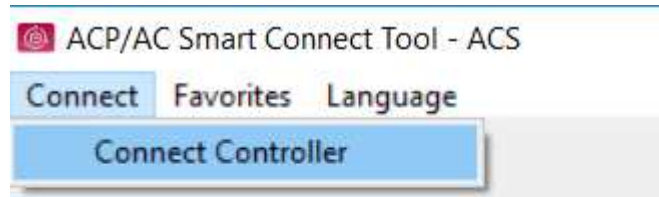
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## ACP&ACSmartConnectTool.EXE

### Software

- Configure Network connection: LAN or WAN IP Address (IP depends on your local site)
- Specific port: **DEFAULT 80**



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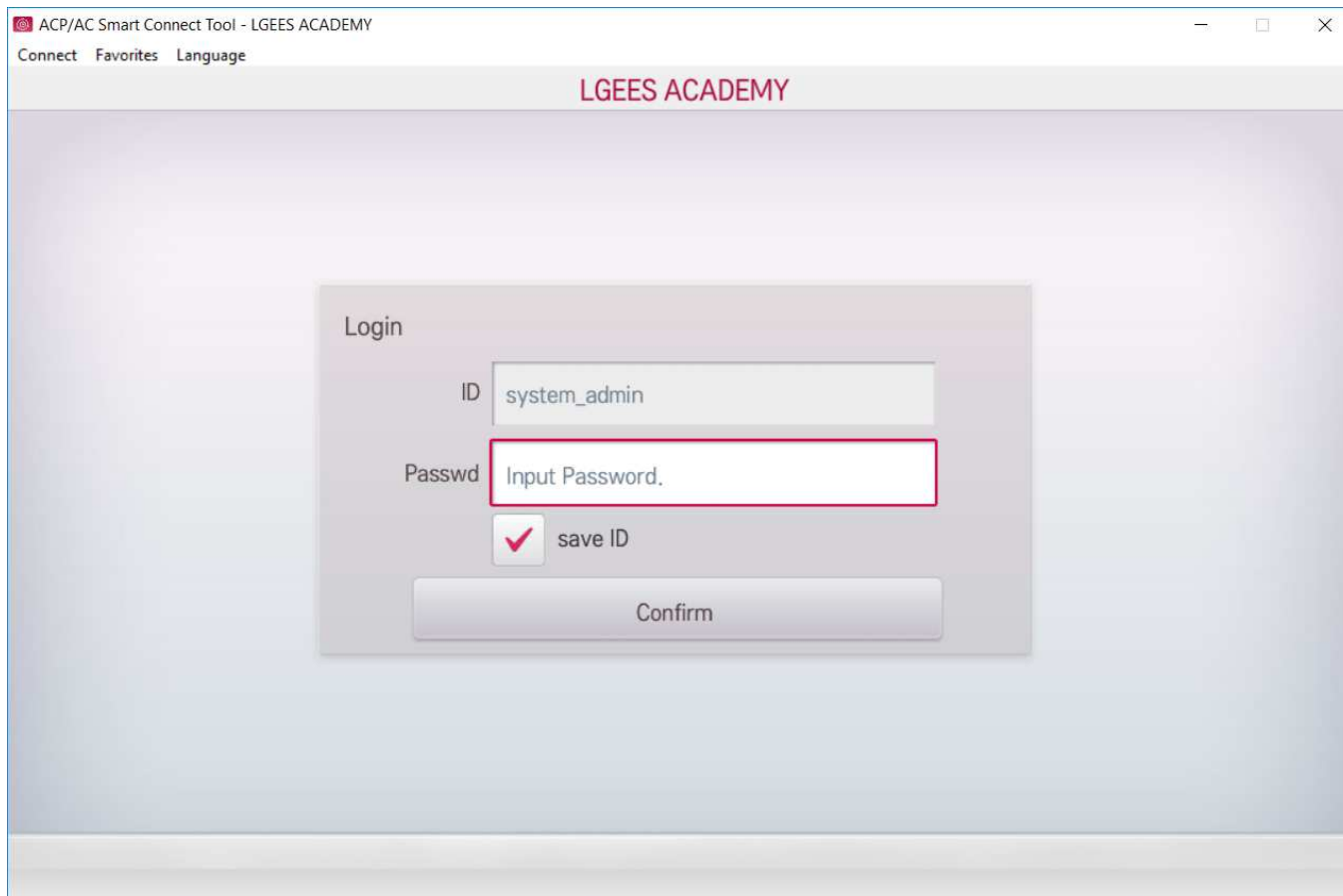
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## ACP&ACSmartConnectTool.EXE

### Software

- Configure Network connection: LAN or WAN IP Address (IP depends on your local site)
- Specific port: **DEFAULT 80**



The screenshot shows a Windows application window titled "ACP/AC Smart Connect Tool - LGEES ACADEMY". The window has a menu bar with "Connect", "Favorites", and "Language". The main content area has a header "LGEES ACADEMY" and a "Login" dialog box. The dialog box contains the following fields and controls:

- ID**: A text input field containing "system\_admin".
- Passwd**: A text input field containing "Input Password.". This field is highlighted with a red border.
- save ID**: A checkbox with a red checkmark icon, labeled "save ID".
- Confirm**: A button at the bottom of the dialog box.



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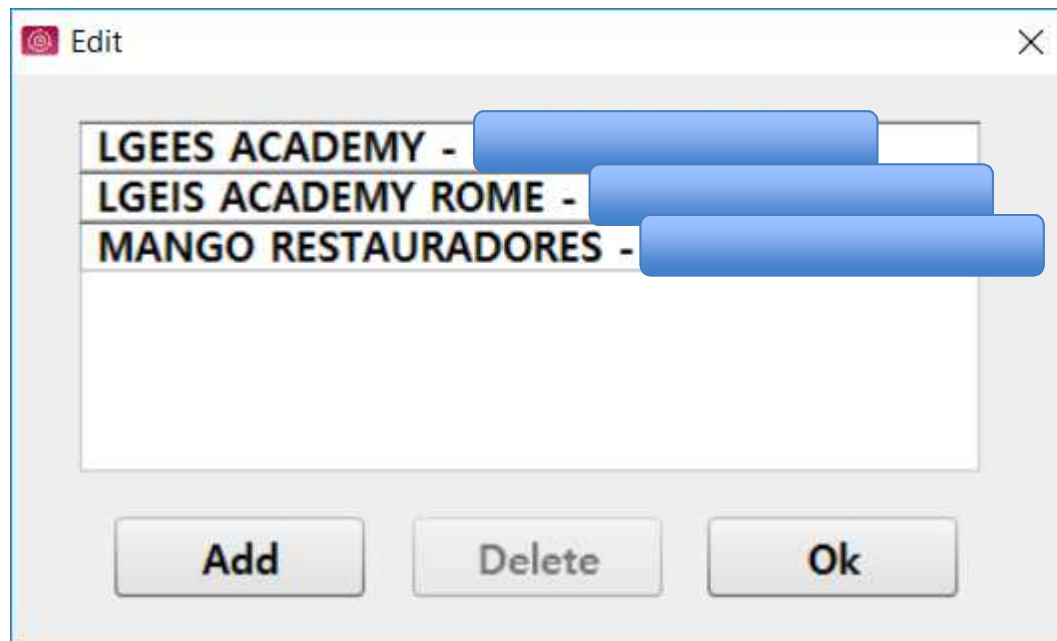
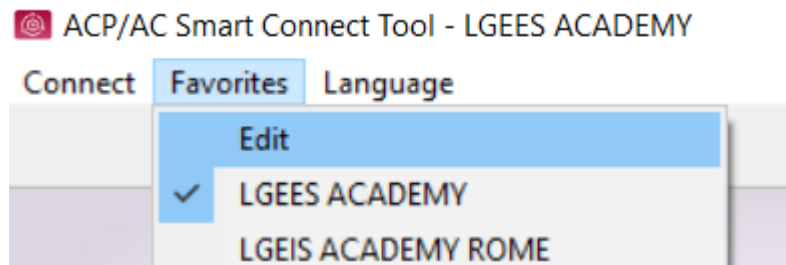
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## ACP&ACSmartConnectTool.EXE

### Software

- FAVORITES: Recurrent configuration sites connection



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## FLASH TOOL FOR LEGACY CENTRAL CONTROLLERS

HANDS ON

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# DOCUMENTATION @ EU-WORKPLACE

<http://b2b.lge.com/portal/main/portalMain.do>

EU Workplace

**CATEGORY**

- [Product specification] **N**
- [Spec-in]
- [Control]**
- [LATS Software]
- [Regulation & Certification]
  - Regulatory strategy
- [Therma V]
- [PV and ESS]
- Service and parts **N**
- Service EU
- Share
  - IBERIA
  - AE EU Engineering Center
  - Partage LG France (Clim)
- Announce
- Sales & Marketing Material
- Tech. Support
- Research
- Best Practice
- Event
- Guidelines
- Template
- Marketing Local EU AS

[Control]

20 Total 74

☐ Unread

No.			Title	Share	Writer	Register Date
74			[HVAC] [CONTROL] WEBINAR - Central Controllers: Email Notific...	regular/associa	JOSE MARIA REDON...	12 Jun, 20
73			[HVAC] [CONTROL] D COMPANY - MADOKA Remote Control -...	regular/associa	JOSE MARIA REDON...	28 May, 20
72			[HVAC] [CONTROL] BECON CLOUD - TMS - MTX HELIOS II LTE...	regular/associa	JOSE MARIA REDON...	24 Apr, 20
71			[HVAC] [CONTROL] JMT MODBUS TCP converter to MODBUS R...	regular/associa	JOSE MARIA REDON...	17 Apr, 20
70			[HAVC] Function list differentiation for wireless remote controller (2)	regular/associa	Monica MARZA Depa...	17 Apr, 20
69			[HVAC] [CONTROL] BECON CLOUD - TMS - BURGER KING CER...	regular/associa	JOSE MARIA REDON...	08 Apr, 20
68			[HVAC] [CONTROL] MODBUS-RTU (RS-485) Capture Communic...	regular/associa	JOSE MARIA REDON...	01 Apr, 20
67			[HVAC] [CONTROL] JMT MODBUS RTU converter to MODBUS T...	regular/associa	JOSE MARIA REDON...	27 Mar, 20
66			[HVAC] [CONTROL] ACP 5 BACnet BTL Certificate Product (1)	regular/associa	JOSE MARIA REDON...	28 Jan, 20
65			[HVAC] [CONTROL] MODBUS TCP JMT REGIN - Site: Spec-in Co...	regular/associa	JOSE MARIA REDON...	18 Mar, 20
64			[HVAC] [CONTROL] BECON CLOUD - TMS - LTE Modem 4G Co...	regular/associa	JOSE MARIA REDON...	11 Mar, 20
63			[HVAC] [CONTROL] LG-AC-KNX-4/8/16/64 INTESIS EOL (End Of...	regular/associa	JOSE MARIA REDON...	04 Feb, 20
62			[HVAC] [CONTROL] MODBUS RTU Gateway PMBUS00A (3)	regular/associa	JOSE MARIA REDON...	18 Jul, 19
61			[HVAC] [CONTROL] AC SMART 5 SIMULATOR (6)	regular/associa	JOSE MARIA REDON...	24 Oct, 19
60			[HVAC] [CONTROL] BACnet Journal Europe & AC Smart 5 prom...	regular/associa	JOSE MARIA REDON...	15 Oct, 19
59			[HVAC] [CONTROL] BACnet JMT NETx AUTOMATION - Site: Cen...	regular/associa	JOSE MARIA REDON...	20 Sep, 19
58			[HVAC] [CONTROL] LONWORKS JMT Schneider - Site: M-TEL-P...	regular/associa	JOSE MARIA REDON...	22 Aug, 19
57			[HVAC] [CONTROL] BACnet JMT Schneider - Site: EPHAD-LILLE...	regular/associa	JOSE MARIA REDON...	12 Jul, 19
56			[HVAC] [CONTROL] KNX SMART CONGRESS June 2019	regular/associa	JOSE MARIA REDON...	24 Jun, 19
55			[HVAC] [CONTROL] AC SMART 5 & ACP 5 & DDNS	regular/associa	JOSE MARIA REDON...	04 Jun, 19

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