Lab.gruppen

# CAFÉ 1.5.2
# Release notes

Important information about features, compatibility and known issues

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# CAFÉ Release notes

Thank you for choosing a Lab.gruppen product for your sound reinforcement and processing needs. Please read these notes to become familiar with the contents and currently known issues in this release. CAFÉ is a system design tool and a complementary control software for D Series and PLM+ range of products.

## Keeping you up-to-date

For latest information and new releases please visit:
http://labgruppen.com/support/download-software

You can also follow us on Facebook, *@Lab.gruppen* and keep updated via Twitter by following *@labgruppenpower*

## Technical support

For further details regarding operation, please refer to the appropriate manual included in this release. As well, please visit our support portal at:
http://labgruppen.com/support

Online technical information, FAQs and support requests can be found at:
http://support.labgruppen.com/home

Please also refer to Lab.gruppen´s YouTube channel for updates on tutorial videos know as CAFÉ COACH.
https://www.youtube.com/playlist?list=PLeiaPYZpqGR8YpR9J7aeqcP8qYvqSS-qz

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# Release v1.5.2 – 2023-12-22

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v8.0.2 software suite.

## Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.5.2 | X | v1.5.2-0-gb750a9c |
| **Frontend** | 1.5.0.4 | | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.15 | X | v0.1.6-15-g1e031e8c |
| **CAFÉ (Mac)** | 1.5.1 | X | v1.5.2-0-gb750a9c |
| **Frontend** | 1.5.0.4 | | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.14 | X | v0.1.6-15-g1e031e8c |
| **Tutorial** | | | 1.2 |

## Compatibility & Support

### Products

This version supports all D Series Lake/PLM+/PLM with the firmware from:

| Product | Minimum firmware version | In release |
|---|---|---|
| **D Series Lake** | 5.17 | Lake Software v8.0.2 |
| **PLM+ Series** | 5.17 | Lake Software v8.0.2 |
| **PLM Series** | 5.66 | Lake Software v8.0.2 |

Important notes:
- Any PLM+ and D Series devices with firmware pre 3.10, will not be found by CAFÉ 1.4.X.
- TESIRA devices are not supported from CAFÉ 1.4.X.

### Project files

CAFÉ 1.4.X can open project files stored in CAFÉ 1.2.X and CAFÉ 1.3.X. Project files stored in CAFÉ 1.1.X and previously need to be opened and re-stored in a CAFÉ 1.2.X or CAFÉ 1.3.X before they can be opened in CAFÉ 1.4.X.

## New features and resolved issues

CAFÉ v1.5.2
- Updated version to work with Lake Controller v8.0.2 software suite.

CAFÉ v1.5.1
- Updated version to work with Lake Controller v8.0.1 software suite.

CAFÉ v1.5.0
- Updated version to work with Lake Controller v8.0.0 software suite.
- PLM 8K44 support is added
- Default files include updated Turbosound Manchester speakers and new TQ models.
  *Note that previously stored files will not automatically contain these models.*

CAFÉ v1.4.5
- Updated version to work with Lake Controller v7.0.7 software suite.

CAFÉ v1.4.4
- Updated version to work with Lake Controller v7.0.0 software suite.

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CAFÉ v1.4.3

- Updated version to work with Lake Controller v6.8.5 software suite.
- Default files include new Turbosound Manchester speakers M212, M212-XV, M215 and MS218. *Note that previously stored files will not automatically contain these models*.

CAFÉ v1.4.2

- Updated version to work with Lake Controller v6.8.2 software suite.

CAFÉ v1.4.1

- The formatting of the impedance sweep export .CSV files is improved to make them more easily imported into analysis software.

CAFÉ v1.4.0

- PLM 5K44 support is added
- PLM+ models are now available in ESP
- New Export feature for impedance sweeps
- The synchronization of frame and computer data has been completely reworked into a real-time synchronization of the parameters.
- When a parameter is in conflict between the computer and frame due to changes done while the devices has been Offline, a “sync conflict”-badge is added on the device and a View Sync Conflicts button is displayed top right.
- The serial number is shown as device identification instead of Frame ID.
- Power channel labels visible in both CAFÉ and Lake Controller (LC), this provides a new way of working in parallel with LC (from v6.6.0) which enables a better user flow when using CAFÉ together with LC.
    - *Power Channel Label* is what is configured for the channel name in CAFÉ when a device come from ESP.
    - For a device that does not originate from ESP, but rather via Discovery, the channel label is still a combination of the Lake module name and module output label.
- PLM 20000Q, PLM 10000Q and PLM 14000 are now available in the online views. Note that all CAFÉ functionality is not available for these legacy models.
- An Offline network selection is added.
    - If Offline network is selected, and a Project file is opened the network will still be Offline and no settings are pushed via the recall to any online devices that are in the Project file.
- No Continuous automatic save functionality
- The last opened project is not automatically opened upon starting CAFÉ.
    - If you have installed CAFÉ 1.4.0 and need to recover the last used file from 1.3.3, go to *C:\Users\{YourUserName}\AppData\Local\Cafe* and copy the file *configuration_cafe.xml* to your desired CAFÉ project file location. This is the last used file from 1.3.3 and can then be saved using a more descriptive name.
- Attenuation is now controllable from CAFÉ
- Association of frames using *Select Me* now works by pressing *Select Me* on the physical frame (see the Operation manual for Ping). In the *Associate Frames* view this enables the association feature for all the virtual ESP frames of the same model as the physical frame. The user can then choose to associate one of these virtual frames with the selected physical frame with one click.
- Updating of views and sorting of entries is more coherent.
    - NOTE: The input for the Sorting is gathered once the view is selected. So for example, sorting on Frame temp will not be correct if the Frames view have been selected for several minutes, in this case, change view and the sorting will be correct.
- Select Network is shown upon CAFÉ startup
- Better handling of devices with incompatible FW
- TESIRA devices are no longer supported.
- The previous *Not Associated* tag is renamed to *Virtual.*
- Offline Mode selection per device is removed.
- Better error handling.
- Signal LED in Frames View is now lit if there is signal present on any of the channels.
- Anonymous usage data gathered using Google Analytics to help create a better product.
- CAFÉ is available in a Windows 32-bit and 64-bit version

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- CAFÉ will now create a log and dump file that can be of help in the support of any major issue causing the application to exit unexpectedly. It is created in the following location:
  - Windows: *C:\Users\{USERNAME}\.Cafe\logs*
  - Mac: *cores/core.{pid}*
- BEL can also display an [actual] value for both Nominal current and Profile within brackets (just as LC) when the selected Desired value cannot be achieved in that hardware.
- The Impedance sweep view does no longer display the LoadPilot low and high frequency

## Known issues

| Key | Description |
|---|---|
| **FROD-522** | Anti-Virus software may cause performance degradation. Please try to deactivate any Anti-Virus SW if experiencing performance issues. |
| **FROD-263** | The publish indicator in Amp Locations view is not updated when mapping is changed. |
| **FROD-273** | Scrolling in Sync-conflict popup will scroll in Frame view when sync-window is at end. |
| **FROD-266** | Reset does not clear placement. |
| **FROD-233** | Automap gives a bit different result if done Global VS Room (also when there only is one room). |
| **DS-781** | Load pilot with a high-ohm speaker may not work |
| **DS-777** | When linking a new zone cable length limitations is not updated and stuck at 0. Attempts to enter a longer length is noted red and not accepted. Workaround: Prior to linking the new zone first add a LSP template (with enough allowed cable range). |
| **DS-714** | Impedance sweep with an entered cable impedance exceeding the measured impedance still displays a positive impedance curve |
| **DS-419** | Search field filtering does not work in ESP views |

## LoadPilot monitoring design recommendations

The LoadPilot feature is capable of accurately monitoring the connected load and detects failures on loudspeakers and cabling. LoadPilot can be configured to fulfill the loudspeaker surveillance part in compliance to EN54-16 and other similar voice evacuation standards. For accurate surveillance of loads:

- The CAFÉ automatic or manual calibration sequence and enabling needs to be performed.
- The loudspeaker's impedance at the pilot tone frequency needs to be stable and between 1.4 ohm and 400 Ohms.
- The connected load consists of
  - a single loudspeaker
  - or two loudspeakers in parallel (detection of single failure)
  - or any number of loudspeakers in series
  - or two parallel coupled identical "chains of loudspeakers in series". (detection of single chain failure)
- The cable impedance needs to be less than 33% of the connected impedance at the pilot tone frequencies.
- For transformer/hi-impedance speakers there is a higher risk that the impedance at the pilot tone frequencies is not stable and varying with e.g. temperature and transformer saturation. For demanding applications sometimes only one tone is usable and sometimes End of line devices and blocking capacitors need to be used.

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# Release History

## Release v1.5.1 – 2023-10-06

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v8.0.1 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.5.1 | X | v1.5.1-0-ge9a4a49 |
| **Frontend** | 1.5.0.4 | | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.14 | X | v0.1.6-14-g8618a26e |
| **CAFÉ (Mac)** | 1.5.1 | X | v1.5.1-0-ge9a4a49 |
| **Frontend** | 1.5.0.4 | | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.14 | X | v0.1.6-14-g8618a26e |
| **Tutorial** | | | 1.2 |

## Release v1.5.0 – 2023-07-07

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v8.0.0 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.5.0 | X | v1.5.0-7-gcc49d43 |
| **Frontend** | 1.5.0.4 | X | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.13 | X | v0.1.6-13-g39b76825 |
| **CAFÉ (Mac)** | 1.5.0 | X | v1.5.0-7-gcc49d43 |
| **Frontend** | 1.5.0.4 | X | v1.5.0-4-g46f1c778 |
| **Backend** | 0.1.6.13 | X | v0.1.6-13-g39b76825 |
| **Tutorial** | | | 1.2 |

## Release v1.4.5 – 2022-03-03

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v7.0.7 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.5 | X | v1.4.5-14-gb327d171 |
| **Frontend** | 1.4.2.3 | X | v1.4.2-3-gb327d171 |
| **Backend** | 0.1.6.6 | X | v0.1.6-6-g14d4f823 |
| **CAFÉ (Mac)** | 1.4.5 | X | v1.4.5-14-gb327d171 |
| **Frontend** | 1.4.2.3 | X | v1.4.2-3-gb327d171 |
| **Backend** | 0.1.6.6 | X | v0.1.6-6-g14d4f823 |
| **Tutorial** | | | 1.2 |

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## Release v1.4.4 – 2020-07-03

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v7.0.0 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.4 | X | v1.4.4-0-g6e83881 |
| **Frontend** | 1.4.2.0 | | v1.4.2-0-g88d52399 |
| **Backend** | 0.1.5.0 | X | v0.1.5-0-g91147ce8e |
| **CAFÉ (Mac)** | 1.4.4 | X | v1.4.4-0-g6e83881 |
| **Frontend** | 1.4.2.0 | | v1.4.2-0-g88d52399 |
| **Backend** | 0.1.5.0 | X | v0.1.5-0-g91147ce8e |
| **Tutorial** | | | 1.2 |

## Release v1.4.3 – 2019-12-19

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v6.8.5 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.3 | X | v1.4.3-1-ge5e0217 |
| **Frontend** | 1.4.2.0 | X | v1.4.2-0-g88d52399 |
| **Backend** | 0.1.4.0 | X | v0.1.4-0-g6d790549f |
| **CAFÉ (Mac)** | 1.4.3 | X | v1.4.3-1-ge5e0217 |
| **Frontend** | 1.4.2.0 | X | v1.4.2-0-g88d52399 |
| **Backend** | 0.1.4.0 | X | v0.1.4-0-g6d790549f |
| **Tutorial** | | | 1.2 |

## Release v1.4.2 – 2019-07-02

This is a release of CAFÉ that adds compatibility with the firmware included in the Lake Controller v6.8.2 software suite.

### Software and firmware components in this installer

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.2 | X | v1.4.2-2-gd976d20 |
| **Frontend** | 1.4.1.1 | X | v1.4.1-1-ga2a099b0 |
| **Backend** | 0.1.2.238 | X | v0.1.3-0-g3ceb22aef |
| **CAFÉ (Mac)** | 1.4.2 | X | v1.4.2-2-gd976d20 |
| **Frontend** | 1.4.1.1 | X | v1.4.1-1-ga2a099b0 |
| **Backend** | 0.1.2.238 | X | v0.1.3-0-g3ceb22aef |
| **Tutorial** | | | 1.2 |

## Release v1.4.1 – 2018-05-15

This is a release of CAFÉ that adds better formatting of the Impedance Sweep Export output file.

| Component | Version | New | Full Version Information |
|---|---|---|---|

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| | | | |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.1 | X | 1.4.1-4-g9ab45e4 |
| **Frontend** | 1.4.1.1 | X | 1.4.1.1-ga2a099b |
| **Backend** | 0.1.2.238 | X | 0.1.2.238-gcefabe0 |
| **CAFÉ (Mac)** | 1.4.1 | X | 1.4.1-4-g9ab45e4 |
| **Frontend** | 1.4.1.1 | X | 1.4.1.1-ga2a099b |
| **Backend** | 0.1.2.238 | X | 0.1.2.238-gcefabe0 |
| **Tutorial** | | | 1.2 |

## Release v1.4.0 – 2017-12-21

This is a major release of CAFÉ with significant changes under the hood regarding device synchronization as well as adding PLM+ series to ESP. The ESP workflow with Lake Controller is also improved by adding the Power Channel Label feature.

| Component | Version | New | Full Version Information |
|---|---|---|---|
| **CAFÉ (Windows)** | 1.4.0 | X | 1.4.0.127-gb4fbdb9 |
| **Frontend** | 1.4.0.254 | X | 1.4.0.254-gddad3d6 |
| **Backend** | 0.1.2.235 | X | 0.1.2.235-g013f2c9 |
| **CAFÉ (Mac)** | 1.4.0 | X | 1.4.0.127-gb4fbdb9 |
| **Frontend** | 1.4.0.254 | X | 1.4.0.254-gddad3d6 |
| **Backend** | 0.1.2.235 | X | 0.1.2.235-g013f2c9 |
| **Tutorial** | | | 1.2 |

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## Release v1.3.3 – 2017-04-10

This release of CAFÉ has an updated loudspeaker template database.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.3.3.3 | X | Commit #1922436 |
| **Tutorial** | 1.2 | | |

## Release v1.3.2 – 2016-12-15

This is a release of CAFÉ that adds support for the new D Series Slimline products as well as numerous improvements and bug fixes aimed at all users.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.3.2.4 | X | Commit #e398bc6 |
| **Tutorial** | 1.2 | | |

## Release v1.3.1 – 2016-11-03

This is a release of CAFÉ that adds support for the new D series Slimline products as well as numerous improvements and bug fixes aimed at all users.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.3.1.22 | X | Commit #63db341 |
| **Tutorial** | 1.2 | | |

## Release v1.3.0 – 2016-09-28

This is a release of CAFÉ that adds support for the new D series Slimline products as well as numerous improvements and bug fixes aimed at the Tesira user.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.3.0.194 | X | Commit #e5d82c8 |
| **Tutorial** | 1.2 | | |

## Release v1.2.0 (9471) – 2015-06-22

This is a public release of CAFÉ with new features, bug fixes and performance enhancements. This release adds RPM Auto mode for easy integration with Lake presets. The release also contains performance enhancements and extended control functionality for the LoadPilot feature.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.2.0 9471 | X | |
| **Tutorial** | 1.2 | X | |

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## Release v1.1.0 – 2015-03-23

This is a public release of CAFÉ and a patch update to v1.0.0. This release adds RPM Auto mode for easy integration with Lake presets. The release also contains performance enhancements and extended control functionality for the LoadPilot feature.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.1.0 9208 | X | |
| **Tutorial** | 1.1 | X | |

## Release v1.0.0 – 2014-12-12

This is a public release of CAFÉ and the first version that combines support for D Series Tesira as well as D Series Lake/PLM+ and the ESP feature for all of them.

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 1.0.0 8947 | X | |

## Release v0.6.0 – 2014-09-09

Public release for D Series Tesira

| Component | Version | New | Comment |
|---|---|---|---|
| **CAFÉ** | 0.6.0 (8153) | X | |

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