

New Features of CadnaB Version 2022

The new features of *CadnaB* Version 2021 MR1 and MR2 can be found [here](#).

Note

Besides many new functions, version 2022 also contains bugfixes which may have an influence on calculation results, see below in the section "Bugfixes". Due to these changes, we strongly recommend an update, which is available on our website (after login).

New Features

- Extensive Undo and Redo function implemented, for example at modification of object attributes or geometry
- Export of construction data
 - via a button in the construction browser for all selected entries as .docx file. (Multiselect available)
 - via the menu "File → Export": Export of all constructions used in the project
- Extensive revision of the report, especially when using the calculation standard DIN 4109. Report now includes an output of a summary of all requirements.
- Constructions from DIN 4109-35/A1 now included.
- When using ISO 12354, a new calculation option for impact noise from bottom to top is available. The calculation must be activated in the configuration of calculations. (Method not part of the standard ISO 12354)
- ISO 12354-3: Facade correction ΔL_{fs} added according to Annex C
- Results dialog, tab Junctions: The detected junctions are displayed with an icon. With "mouse over", the icon is shown enlarged.
- Import of construction data from software INSUL (Marshall Day Acoustics) *
- Search function in the construction browser: Search for country abbreviations, e.g. with the syntax "c=D" for Germany
- For user-defined, concrete double wall constructions, the reference to single wall constructions can now be modified (for calculation of flanking).
- Support for Windows 11
- New language: French

* Export/Import available with INSUL version 9.0.24

Bugfixes

- DIN 4109: A bug in the calculation of K_{ij} for junction types 7,8 and 17,18 has been fixed. (this may influence calculation results)
- DIN 4109: A bug has been fixed which incorrectly determined the junction types 3/4 for horizontal room pairs with a wall offset < 0.5 m (type 2 is now correctly recognized). (this may influence calculation results)
- In the database of constructions for DIN 4109, concrete ceilings and ventilators have been corrected. (this may influence calculation results)
- ISO 12354: Automatic calculation of spectrum correction values for spectral data corrected (only when spectra are entered manually).
- DIN 4109, transmission from outside: The requirement is no longer checked if the receiving room is classified as "not worth protecting" (i.e. if $K_{Raumart}$ is invalid)
- Bugfix when using very long room names: Protocol could no longer be opened in this case.
- Bugfix regarding the visibility of objects in the "Project" mode
- Bugfix in the report output which caused a crash (only with the simplified model according to ISO 12354)
- Vertical room pairs with very small (possibly unwanted) overlap are now ignored during room pair search

New Features of CadnaB Version 2021 MR1 + MR2

Bugfix version 2021 MR2

A bug in the appearance / comparison of results with a defined requirement has been fixed (The bug only affected the calculation method according to DIN 4109).

Due to this change we highly recommend installing the latest update "CadnaB 2021 MR2". You can find the update in the download area of our website.

New Features

- New calculation standard DIN 4109
- Database "DIN 4109" extended by 466 constructions from parts 33, 34, 35.
- Auralization between adjacent rooms incl. variant comparison. Input signal, orientation of the listener (rotation) as well as room response (selection from predefined room types) can be defined by the user.
- Requirements browser extended with many predefined requirements: BB 93 (2015), BS 8233 (2014), DB HR (2019), DEGA 103 (2018), DIN 4109-1 (2018), DIN 4109-5 (2019), ISO 19488 (2020)*, UNI 11367 (2010), VDI 4100 (2007), VDI 4100 (2012)
- New "Noise Level" mode for defining outdoor and indoor levels. Existing CadnaB files (version 2021) are automatically converted with a hint message.
- Configuration of calculation: New setting whether defined / imported outdoor levels include the reflections present at the facade or not.
- New feature "Check for updates" to notify about new CadnaB versions. This notification will first appear at the release of CadnaB 2022.

Miscellaneous

- New languages: Italian, Portuguese
- Consistency check: Warning when calculating a screed construction with missing airborne sound spectrum.
- General bug fixes

* Draft 2020 published, meanwhile withdrawn

Please note: In case of an update, a prior uninstallation of version 2021 is recommended, because the installation directory has changed from "CadnaB64" to "CadnaB". Otherwise, the version 2021 remains installed on the PC.