

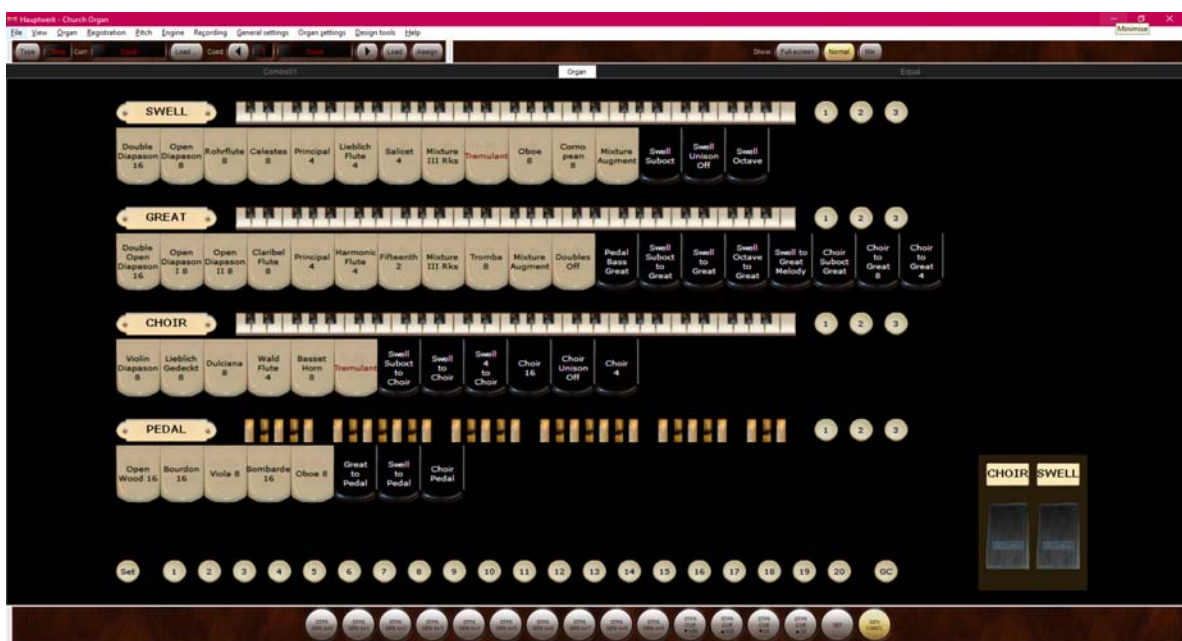
# Hauptwerk Organ Generator

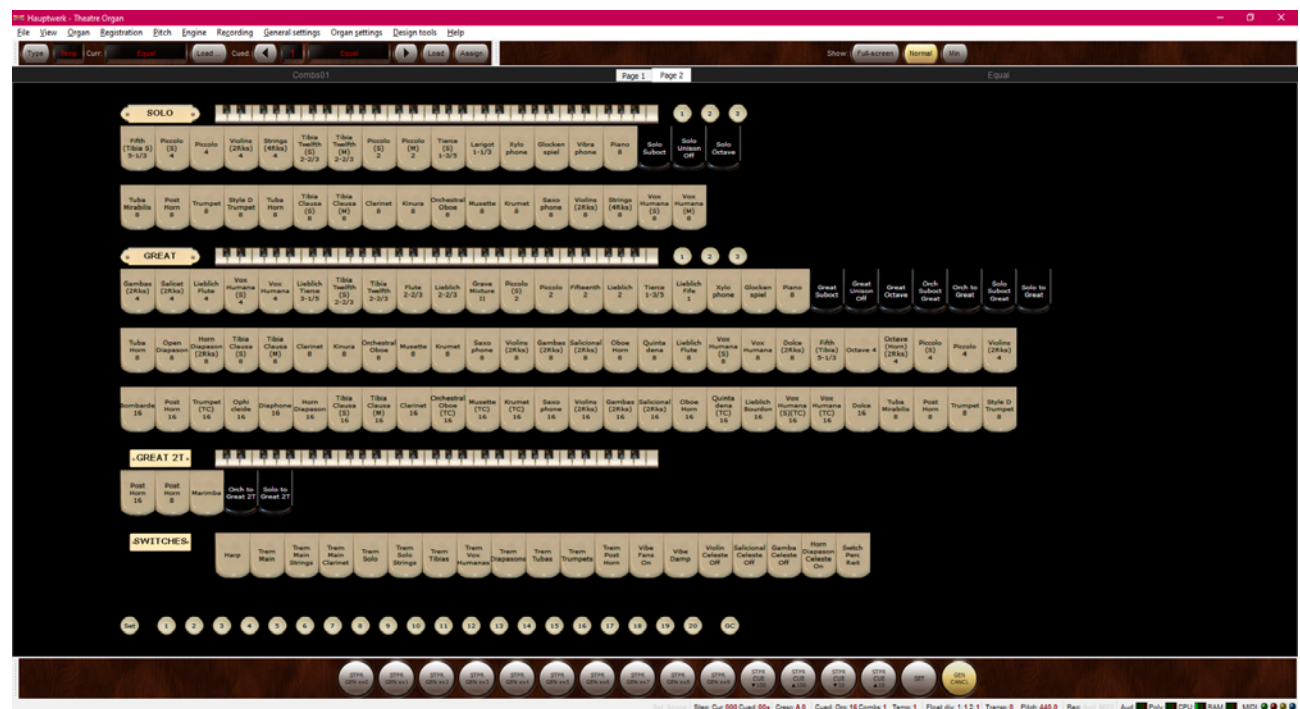
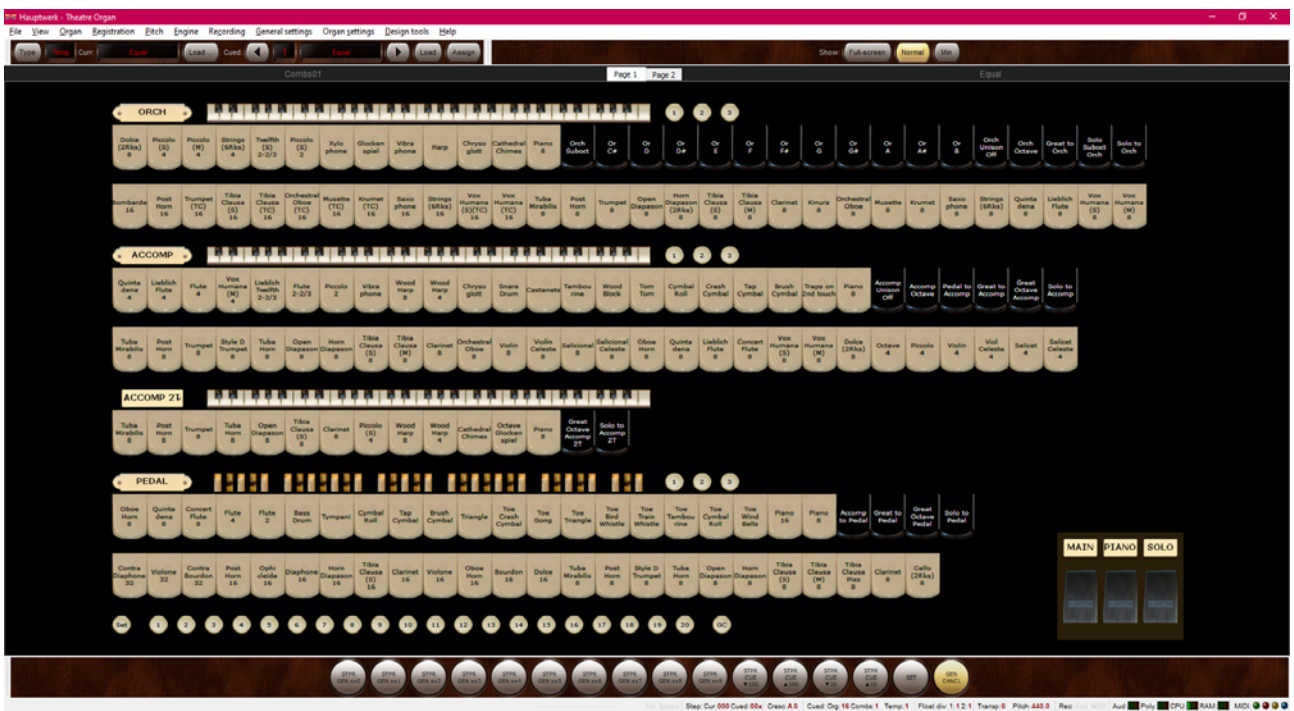
The Hauptwerk Organ Generator is software that generates a fully working Hauptwerk organ from a simplified, minimal description supplied in CSV (comma separated value spreadsheet) files.

- It automates the detailed work required to produce a CODM or ODF file, automatically assigning IDs and linking the various tables together correctly
- It provides an 'organ builder's workshop' for the Hauptwerk sample producer wanting to test a sample set under development, including making it easy to include extra stops to test out different chorus options and specifications
- It generates a working MIDI-ready organ with console graphics that lay out the specified stops, couplers and tremulants organised within their own divisions with manual/pedal keyboards, pistons for testing each division and expression pedals.
- It generates a complete set of silent samples with the correct names and within the correct directories so that the organ can be loaded into Hauptwerk before the true samples are available. The silent samples can then be replaced with the true samples so that each rank can be tested as its samples are processed.
- The CSV files can then be modified as required to finalise the organ specification and the auto-generated organ can be enhanced with customised graphics and any additional ODF functions required to produce a 'ready-to-ship' sample set.

The software supports most of the features found in large classical and theatre organs, including sampled and synthetic tremulants, off-note chests, ventsils/switches/registration aids such as 'doubles off' and celestes, through-coupling options and piano sustain.

Example console graphics produced for a medium sized classical organ (1 screen) and a large theatre organ (2 screens) are shown below.





The outputs from the software are console graphics, folders of silent samples, CODM and ODF files. The ODF file can be loaded in Hauptwerk versions 4.2 to 7.

The software generates a CODM file with all of the basic organ functions implemented, to facilitate testing adjustments particularly to the Rank table, plus an ODF containing enhancements required for advanced functions such as ventsils/switches and piano sustain.

Changes to the Rank table made in the 'organ builder's workshop' can be fed back into the software as a part of generating the 'ready-to-ship' sample set. Voicing adjustments made using Hauptwerk can also be incorporated into the ODF.