

Main Hall sound reinforcement

Welcome to Phil Haarlem! We are happy that you are coming to perform at our venue and want to make your experience as pleasant as possible.

In Phil Haarlem we organise a large number of concerts per year, both amplified, fully acoustic, and everything in between.

The hall was once designed to make acoustic classic concerts sound as good as possible, with all acoustics and reflections that are desired in that setting. In the setting of an amplified (pop)concert this brings along some challenges. Due to these challenges, we have taken some measures to optimize the experience of our audience (and our artists). Furthermore we are obliged to have a **maximum sound pressure level (SPL) of 100 dBa average over 15 minutes** due to regulations. This can however already be perceived as fairly loud, most of the times it is not necessary to reach this level. A Metrao audio measurement set is situated at FOH to monitor SPL for your convenience.

Acoustical optimizations done in the hall are:

- baffles (absorption cushions) against the back wall
- baffles behind the lighting bridge halfway
- baffles behind the line-array hang
- baffles inside the first set of curtains behind the PA
- curtain set on the sides of the balcony
- borders, legs and side draperies/tabs to prevent too many reflections on stage

Furthermore on a technical level we offer free use of:

- 8x stereo in-ear set (Sennheiser G4)
- 1x curved drum screen

And actively discourage the use of:

- side-fills
- large floor wedges (15" or greater)

A balanced stage sound can make all the difference in this hall. A sound engineer schooled in the sound system and with full access to processing will be available from the moment of get-in until the end of your show to assist your FOH-engineer.

At your disposal is a Clair Brothers sound system, consisting of 2 hangs of 2xLS118 sub with 9xL208. The two groundstacks/infills consist of 2xCS218, 1xKit18 and 1xKit15 and frontfills are 4xFF2HP. All is run through a Lake LM44 to Labgruppen amplifiers. Speakers are delayed and processed to provide evenly balanced sound throughout the room.

System audio sends are analog and can be L-R-S-FF-Fill L-Fill R (or less), patched at FOH, stage L or stage R. FOH is in the middle of the room. Cat5e cabling is provided from SL and SR to FOH. It is, of course, always possible to run your own loom, if preferred.

If you have detailed questions about the room or the system, please feel free to contact us at toneelmeesters@ssphaarlem.nl. If you would rather talk to someone on the phone, please send us your telephone number at this email address and we will get back to you as soon as possible.

Thank you and see you soon,

Phil Haarlem, team Audio