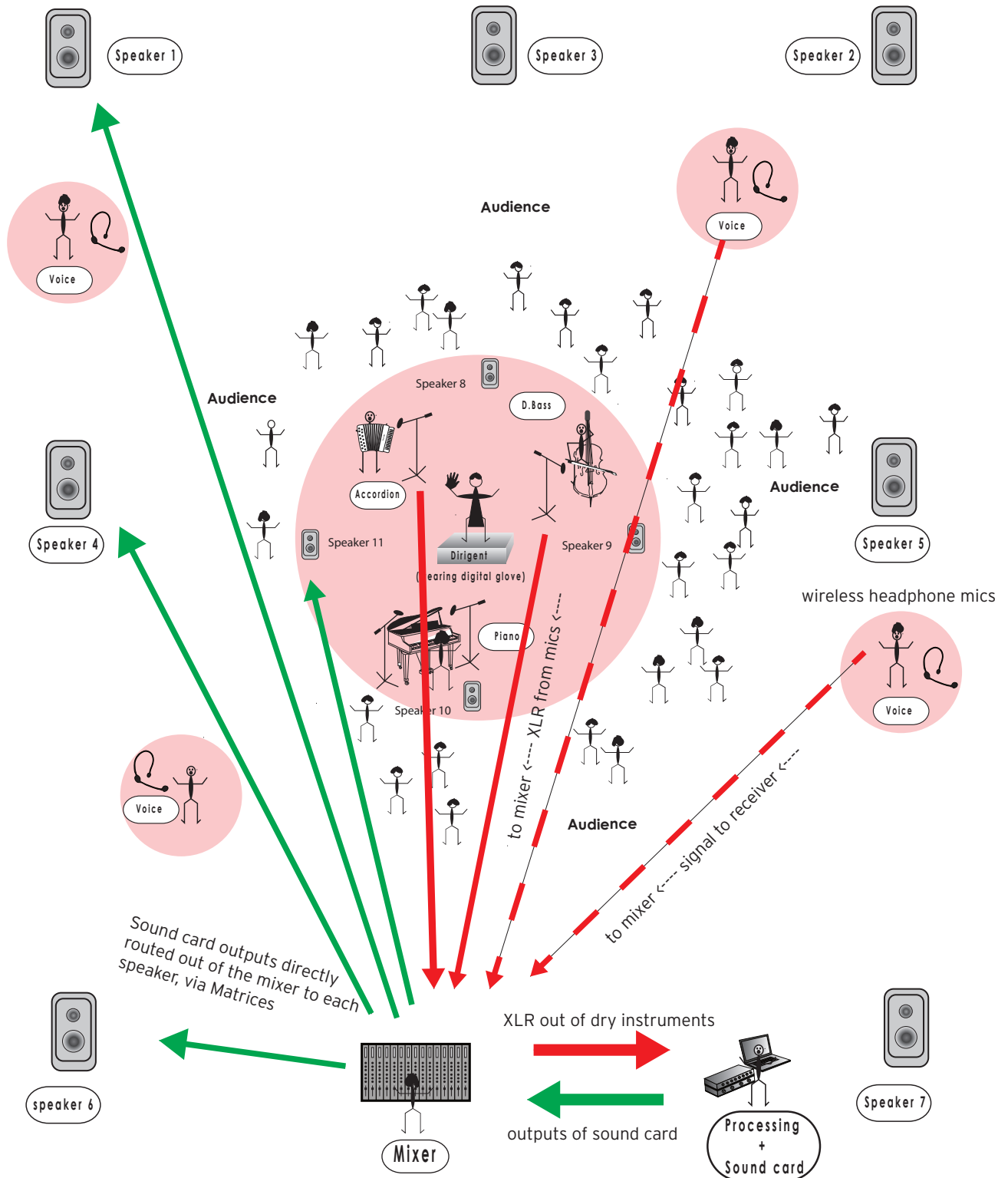







# Stage-setup for Black Obsidian in Bergen



-  = Processed signal
-  = Dry instrument signal
-  = wireless voice signal

 = Loudspeakers


 = Microphones (clip-on preferred)

## List of equipments (Bergen 2020 setup)

7 XLR cables out of dry signals from mixer to sound card

 = Dry instrument signal

4 - 7 XLR cables from microphones to mixer

 = Dry instrument signal

4 cables from singers microphones (if not wireless)

 = wireless voice signal

11 jack to XLR\* cables from my RME Fireface 800 sound card to inputs of mixer.  
\*The other end depends on mixer type, most likely XLR.

 = Processed signal


11 XLR cables from mixer to each speaker

 = Processed signal

### Loudspeakers and stands

7 larger (main) loudspeakers.

4 smaller loudspeakers. Genelec 8040 preferred

 = Loudspeakers


7 loudspeakers stands (main speakers)

4 loudspeaker stands (smaller speakers)


 = Loudspeaker stands

### Microphones and stands


4 - 7 microphones for the instruments. DPA 4099 clip-on mics. preferred.

 = Microphones  
(clip-on preferred)


4 - 7 microphone stands (if not clip-on)

 = Microphone stands  
(if not clip-on)

4 wireless headset microphones for the singers.  
(Sennheizer ewD1 or DPA)

 = Microphones  
(headphones)

4 receivers for the headset mics.  
(Sennheizer ewD1 or DPA)

 = Headphones receiver


### Mixer

Any type that has 16 in and 12 out can do the job.  
MIDAS 2 was used for the Bergen workshop

 = Mixer


### Sound processing

Using RME Fireface 800 Sound card and  
RME OctaMic pre-amp.


 = Sound card  
+ mic. preamp.

### Computer

Mac Pro laptop (2013 model)

 = Mac pro laptop

Conducting Digital Glove (wireless to computer)

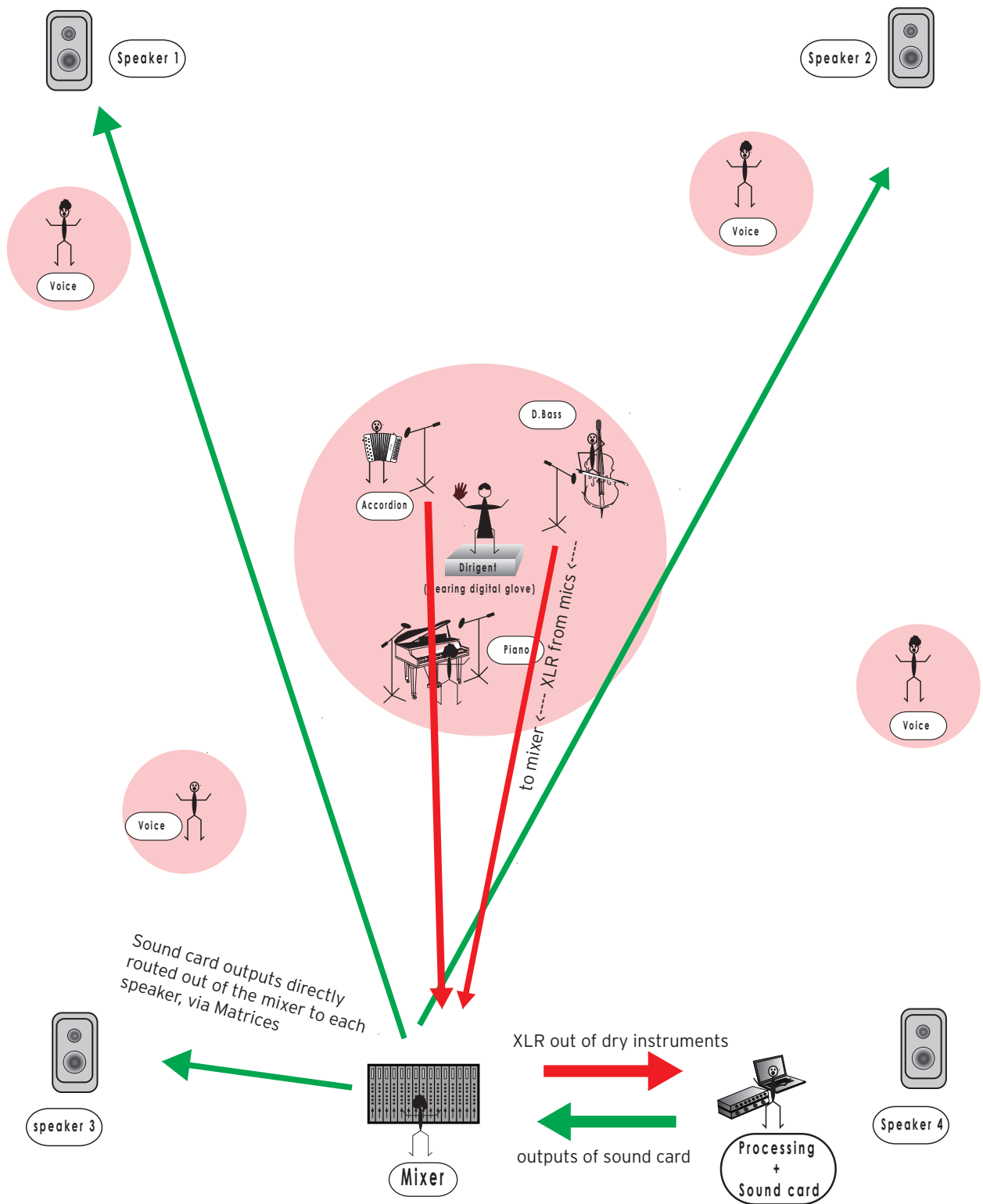
 = Conducting glove




### Software


Ableton Live with Max for Live


Ableton Live v.10 software

# Minimum Stage-setup for Black Obsidian




-  = Processed signal
-  = Dry instrument signal
-  = wireless voice signal

 = Loudspeakers


 = Microphones (clip-on preferred)

## List of equipments (minimum Bergen 2021)

4 XLR cables out of dry signals from mixer to sound card

 = Dry instrument signal

4 XLR cables from microphones to mixer

 = Dry instrument signal

4 jack to XLR\* cables from my RME Fireface 800 sound card to inputs of mixer.  
\*The other end depends on mixer type, most likely XLR.


 = Processed signal

4 XLR cables from mixer to each speaker

 = Processed signal

### Loudspeakers and stands

4 loudspeakers.


 = Loudspeakers

4 loudspeaker stands


 = Loudspeaker stands

### Microphones and stands

4 microphones for the instruments. DPA 4099 clip-on mics. preferred.

 = Microphones  
(clip-on preferred)

4 microphone stands (if not clip-on)

 = Microphone stands  
(if not clip-on)

### Mixer

Any type that has 4 in and 4 out can do the job.  
MIDAS 2 was used for the Bergen workshop

 = Mixer


### Sound processing

Using RME Fireface 800 Sound card and  
RME OctaMic pre-amp.


 = Sound card  
+ mic. preamp.

### Hardware

Mac Pro laptop (2013 model)

 = Mac pro laptop

Conducting Digital Glove (wireless to computer)

 = Conducting glove

### Software

Ableton Live with Max for Live

Ableton Live v.10 software

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