# Room 13

## technical
## guide

in case of technical questions or problems please contact:
Ward Neirynck - +32485 148844 - ward@bamboemix.be
Jonas Everaert - +32496 069815 - everaert.jonas@gmail.com
Jesse De Roo - +32499 154716 - deroojesse@gmail.com

studio management:
Yves Meersschaert - +32477 995549 - info@room13gent.be
https://www.room13gent.be/

### Power on the studio
Switch on the power outlet on the ground on the left of the console.

The amp on the right is for the NS10s.
There is no password on the computer, just hit enter.
Open a DAW of your choice: ProTools 2019, Logic X,...

### File/Folder management
Please create a folder with the name of the project in the folder "project". Put this under the correct year and month. For example: Projects->2022->Februari->Band->Session

### In- and outputs
We are using an Orion 32 which has 32 analog in- and 32 analog outputs.
The first 24 inputs are the 24 busses from the TAC ('tape in' on the patch)
Inputs 25 - 32: Digidesign PRE
Patchable to any 'tape in': desk talkback (via aux output) & UAD LA-610 MkII.
If you want to use your own preamps you can connect them directly with a Dsub25 to the inputs of the orion (but there's only 1 Dsub25 to 8x female XLR present).

The first 16 outputs are connected to the line ins of the console.
The 1 and 2 are patched to the Tape In 1 (control room section).

### Headphones
Behringer Powerplay P-16 receives sound from ADAT out 1 & 2 of Orion 32.
ADAT out 1 & 2 of Orion 32 matches outputs 17 - 32 of Orion 32.
This can be customized in the Orion 32 app: it could for example be handy to directly route from the Orion's AD conversion to the P-16 monitoring (musician's monitoring then doesn't pass through Pro Tools, so no additional latency).
Use MADI instead of USB connection between Orion and DAW computer for minimum latency!
Connection with 8 personal mixers: via ethernet (present on stageboxes B, D, E, G, H, I).
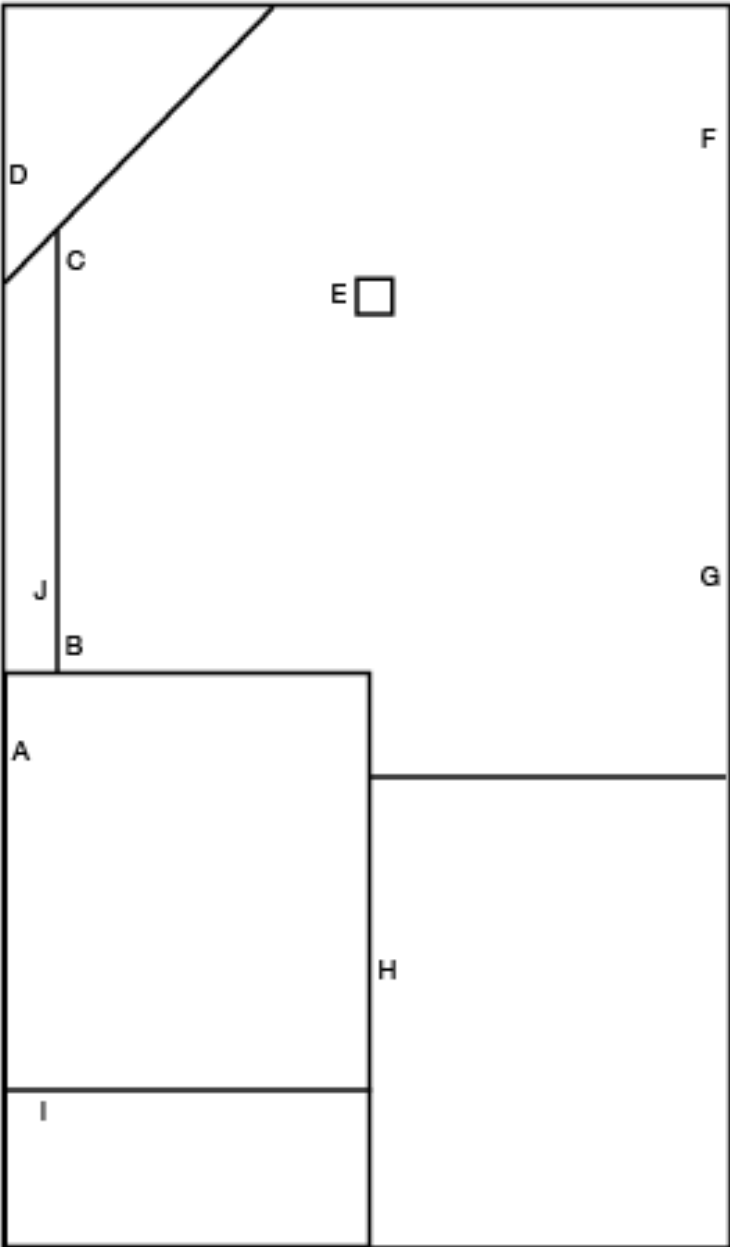Personal mixers receive power from ethernet except when daisychained: then use power adapter.
There are 2 Ultrasone, 5 Beyerdynamic and 7 Audio-Technica headphones + 16 extension cables.
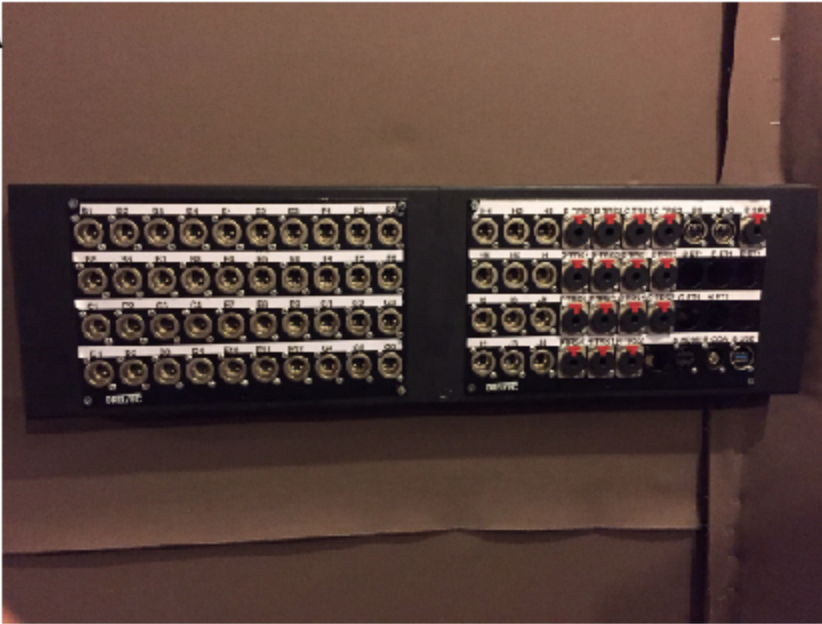
### Talkback
Use the desk talkback (green button) after patching to any 'tape in'

### Connections and stageboxes
In the studio there are 9 stageboxes (B - J) which are all connected to the big stagebox (A) in the control room. (see plan)
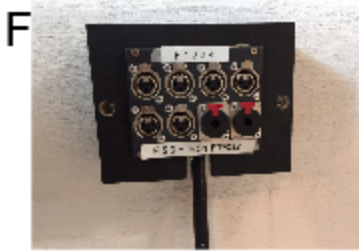
D

C

F

E

J

B

A

G

H

I

F

G

H

I

J

Once you plugged in your mics into a stagebox in the liveroom the signal will go to the corresponding xlr plug on the stagebox A.
In the control room you connect your input of the console or preamp to patch A. You can use the multicables which are labeled.

Between C and D there are 4 connections
2 times XLR
1 jack TRS
1 Speaker Cable

Between B and J there are 3 connections
2 jack TRS
1 Speaker Cable

**Gear**

Console
> TAC Matchless 26/24/8/2

Preamps
> 26 TAC Matchless preamps (if a preamp doesn't come through, connect insert send & return of the channel with a patch cable)
> Digidesign PRE (8 preamps)
> LA - 610 Mk2

Tube microphones
> Neumann U48 (extremely expensive vintage microphone, take greatest care!)
> Neumann M269 (extremely expensive vintage microphone, take greatest care!)
> BSA (Blackspade) UM17 (upgraded with Thiersch M7)

Condenser microphones
> Bruel & Kjaer 4011 x2
> DPA 4006A x2 (matched pair)
> Audio-Technica AE2500
> Audio-Technica ATM350 x4
> AKG 414 x2 (1 XLS and 1 ULS)

Ribbon microphones
> Beyerdynamic M160 x2
> t.bone RB500

Dynamic microphones
> Sennheiser MD 421 x2
> Shure SM57  x2
> Shure SM58  x2
> Shure Beta 58A  x1
> Shure Beta 57A x1
> Shure SM7b
> Shure Beta 52
> Electro Voice RE20
> Audiotechnica ATM25

DIs
> Little Labs multi z pip (DI preamp, so straight to Orion)
> 2x Palmer Stereo DI
> 2x Behringer mono DI
> Radial SGI TX + RX

Monitoring control room
> PSI A21 - M
> Yamaha NS10

Monitoring recording room
　　Adamson Point 8
　　Behringer Powerplay P16 x7
　　Audio Technica ATH-M20 x7, Ultrasone x2, Beyerdynamic DT770 x5

Dynamics
　　Empirical Labs EL7 Fatso Jr.
　　Empirical Labs / Kush Audio UBK Fatso
　　DBX 160x

Other outboard
　　Little Labs IBP Junior (phase alignment)

Backline
　　Yamaha C3 grand piano
　　Hammond B3 with Leslie 147
　　Moog Prodigy
　　Fender Rhodes


**Extra information**
Please reset the console completely when you are finished.

Make sure to put everything back how you found it.

When something is broken or not working please inform Ward / Jonas.

If you disconnected something please connect it back.

Have fun!