

Technical Rider A/V Equipment

Jano Müller

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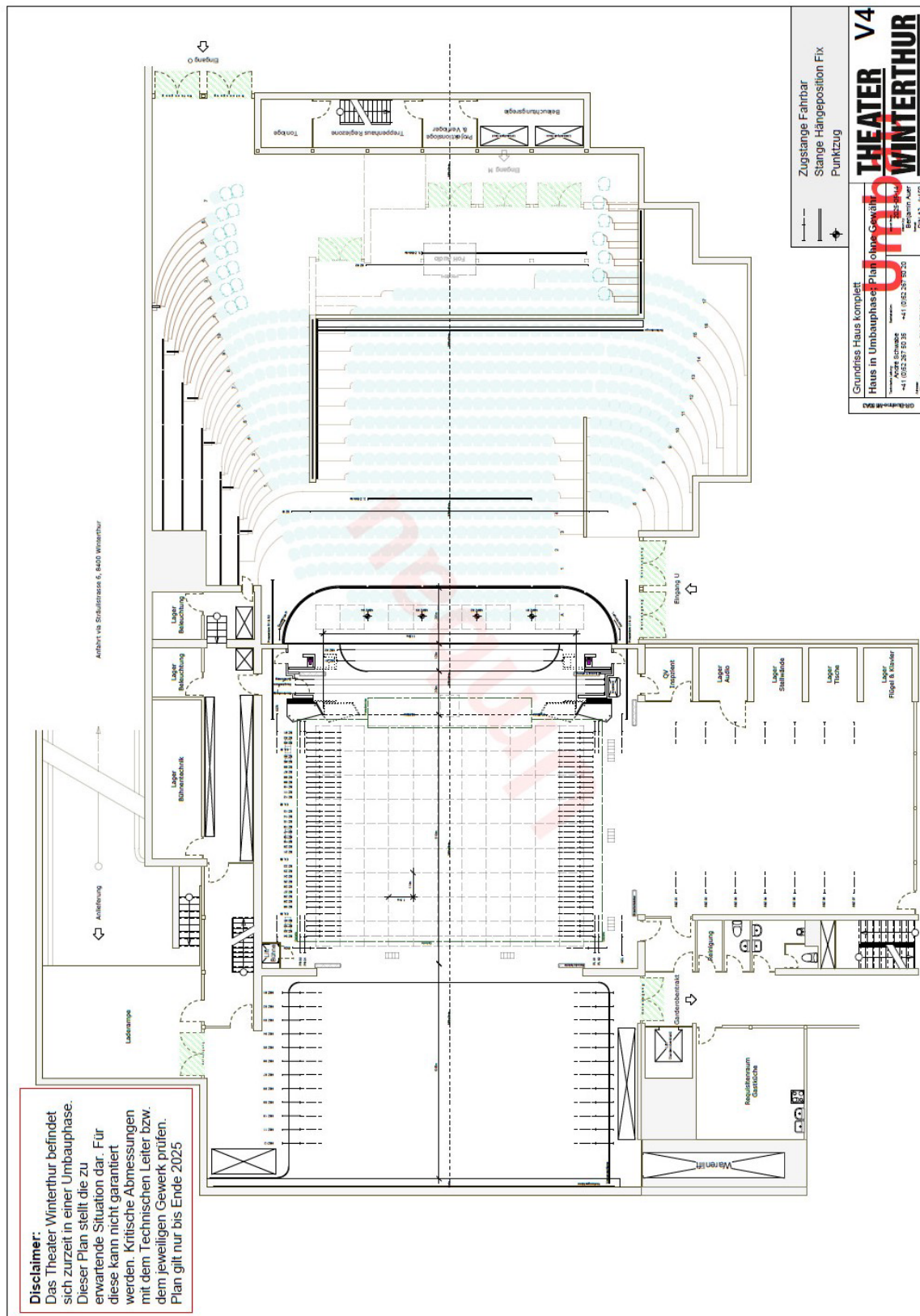
This techrider is a work in progress

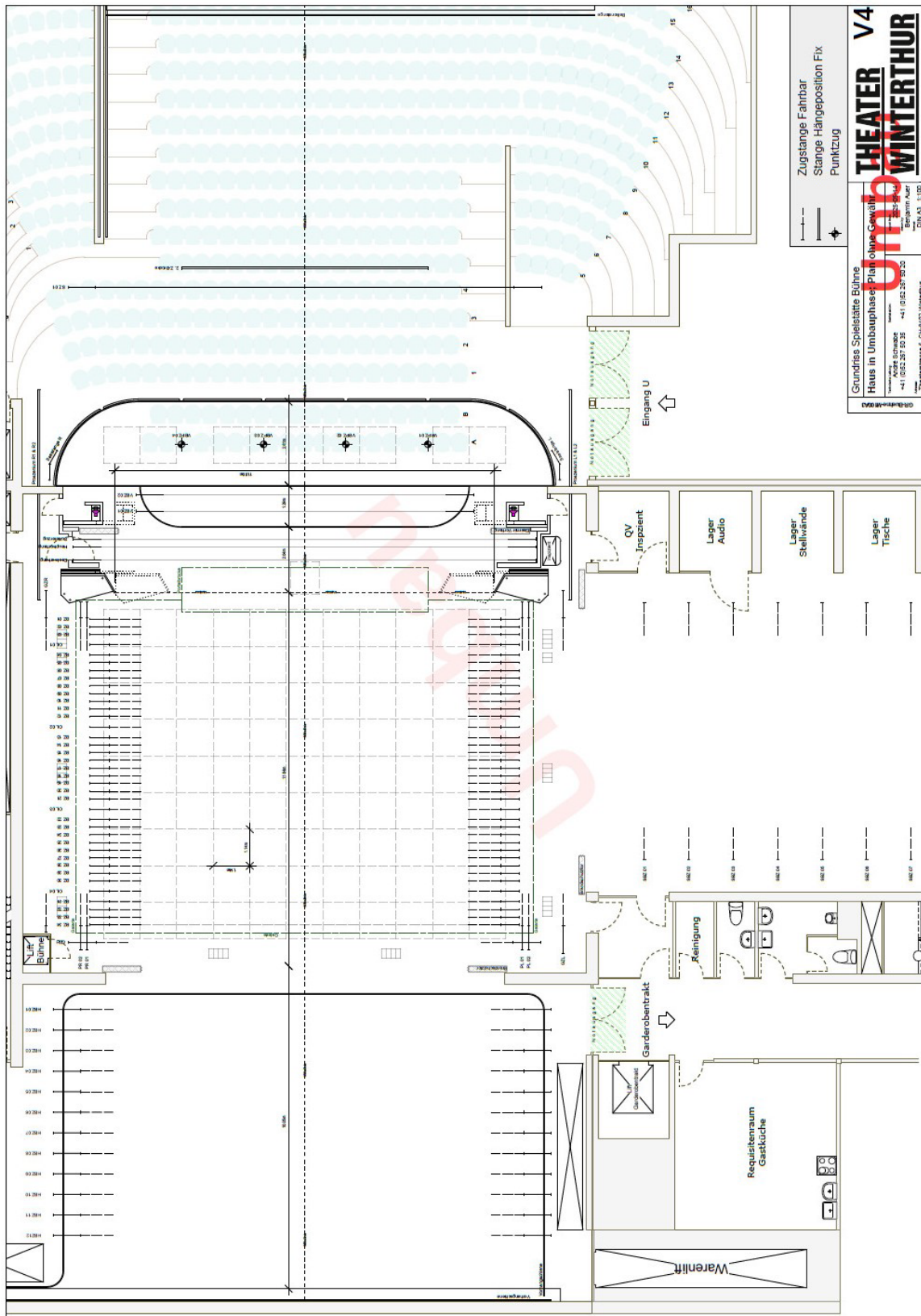
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Plans





The plans are available as PDFs on our website or as DWG files upon request.

Main Soundsystem

Installed Main PA

Loudspeakers MF / HF

09 x Alcons Audio QR24 / 03 x Alcons Audio QM24 per side
12 x Alcons Audio QR24 in the Portal Bridge
02 x Alcons Audio QRP20 Sidefills per side
03 x Alcons Audio LR7 Delays per side
02 x Alcons Audio SR9 Balconyfills at FoH

Loudspeakers LF

02 x Alcons Audio BC543 flown at left and right

Loudspeakers FX

06 x Alcons Audio VR5 at the back of the audience
02 x Alcons Audio VR12 behind the Ceiling for "Voice of God"

Stage Foldback

05 x Alcons Audio LR7 in Portal Towers per side
01 x Alcons Audio LR7B in Portal Towers per side
06 x Alcons Audio LR7 in Portal Bridge at center

Amping

12 x Alcons Audio Sentinel 10

Mixing System

Yamaha Rivage PM5
DSP EX-RX with 256ch Twinlane and 02 x HY144D Cards

Interfaces

01 x Yamaha RPiO622 installed in Amp City with 4 x RY-ML-SILK / 2 x RY-16-AE
01 x Yamaha RPiO622 mobile with 4 x RY-ML-SILK / 2 x RY-16-DA
02 x Yamaha RiO3224-D2
02 x Yamaha RiO3224-D
01 x Yamaha RiO1608 installed at FoH
01 x Yamaha RiO1608 installed at Foyer FoH
01 x Yamaha RiO1608

System Controller

Prodigy.MP
32 x Dante in/out
32 x Milan/AVB in/out
08 x AES3 in/out
08 x Analog in/out

Foyer Soundsystem

Installed Main PA

05 x Alcons Audio LR7 per side
02 x Alcons Audio LR7B per side

Mobile Monitoring

04 x Alcons Audio VR8

Amping

03 x Alcons Audio Sentinel 10

Mixing System

Yamaha DM7C

Interfaces

02 x Yamaha RiO3224-D2
02 x Yamaha RiO3224-D
01 x Yamaha RiO1608 installed at Foyer FoH
01 x Yamaha RiO1608

Backstage Venue Soundsystem

Main PA

03 x d&b Audio AL90 per side
01 x d&b Audio V-Sub per side

Mobile Monitoring / FX

08 x d&b Audio E8

Amping

05 x d&b Audio D40

Mixing System

Yamaha DM7C with Extension

Interfaces

01 x d&b Audio D10
02 x Yamaha RiO3224-D2
02 x Yamaha RiO3224-D
01 x Yamaha RiO1608

HF System

Main Stage / Backstage Venue

Tx/Rx

24 x Shure Axient Digital Rx

24 x Shure Axient AD2 Handheld Mic

24 x Shure ADX1 Bodypack with **LEMO**

Accessories

24 x Shure SM58 Capsule

12 x Shure KSM9 Capsule

04 x Shure beta87 Capsule

15 x DPA 6061 beige

10 x DPA 6061 black

10 x DPA 6066 beige

01 x Shure AXT600 Frequency Manager

03 x Shure Showlink Accesspoint

Foyer

Tx/Rx

04 x Shure Axient Digital Rx

04 x Shure Axient AD2 Handheld Mic

04 x Shure Axient ADX1 Bodypack with **LEMO**

Accessories

04 x Shure Axient SM58 Capsule

04 x DPA 6061 beige

04 x DPA 6061 black

04 x DPA 6066

Please note: radio frequencies in Switzerland

If the production brings any HF devices please let us know in advance, we will provide you with appropriate frequencies on arrival.

This is also relevant if you bring ANY radio equipment. We will need the operating frequency of the devices in advance to check if they are running in accordance with the Swiss frequency allocation plan.

Switzerland does not have the same frequency allocation plan as the European Union.

Please note: the samplerate of our audio network

Our network is running at 96kHz. This setting will not be changed for any of our devices.

Mobile Equipment

Sound Reinforcement

Alcons Audio

12 x LR18 Line Array

06 x RR12

04 x BC332

08 x VR8

d&b Audio

08 x AL90

04 x V-Sub

08 x E8

Meyer Sound

04 x Ultra X20 with U-Bracket

02 x Ultra X20 with Stand-Mount

02 x USW112-P

Kling & Freitag

06 x Passio

Glen sound

06 x Divine PoE Speaker with Volume Control

Mixing Desks

Yamaha

01 x Yamaha DM7 with Extension

01 x Yamaha DM7C with Extension

01 x Yamaha PM3500 - **on very special request only** 😊

Allen & Heath

01 x Allen & Heath ZED10 FX

01 x Allen & Heath GL3600 - **on very special request only** 😊

Microphones

Dynamic Vocal

06 x Shure SM58

03 x Shure Beta 58

Condenser Vocal

02 x Neumann KMS105

02 x DPA D:Factoll

Dynamic Instrument

04 x Sennheiser E906

04 x Sennheiser MD421

01 x Shure SM57

01 x Shure Beta57

01 x EV RE20

01 x EV N/D868

Condenser Instrument

03 x Shure Beta98

091 x Shure Beta 91

Small Diaphragm Condenser

04 x Neumann KM184 Stereo Pair

01 x Shoeps CMC6U MK4 Stereo Pair

01 x Shoeps MSTC ORTF

01 x Sennheiser MKH416 P48

01 x Sennheiser MKH406 P48

01 x AKG CK69-ULS

04 x AKG C747

04 x Audix MI255B

02 x AKG CK77

04 x Audio Technica AT4021

02 x AKG SE 300B

Shotgun

08 x AKG C480B

01 x Audio Technica AT 897

Large Diaphragm Condenser

01 x AKG C414

02 x AKG C214

Others

08 x Crown PCC160

Video

Scenic

Projectors

02 x Barco UDM4k15 with Flyframe

01 x Barco UDM4k30 without Flyframe, Installed in Projection Booth.

Optics

From 0.4-10.2 in sufficient numbers

Surtitles

01 x Gerriets Supertitle 2000 per Side. 2.00mx0.5m

01 x LED Processor to Supertitle.

The System is compatible with Powerpoint, Qlab or any Video source. Powerpoint can be imported into the Supertitle Software. Please see the necessary settings in the surtitle specs below. The pixel width of the text must not exceed the pixel width of the screen. Input is DVI-D or HDMI.

Playback System

Projection

04 x Macbook M4 with Qlab

01 x Mac Studio M3 Pro with Qlab

Surtitles

01 x Thinkpad with Gerriets Supertitle Software

Video Switches

01 x Blackmagic ATEM mini for HDMI Sources

01 x Blackmagic ATEM Television Studio for SDI and HDMI Sources

Video Monitoring

Screens

05 x Lilliput 8K installed on stage

06 x Neovo X-22G for mobile use

Various Mounting options for the Screens

Cameras

02 x Panasonic PTZ at FoH. Remote controlled at the Stage Manager Desk. Infrared possible.

01 x Changeover Camera behind the Curtain

01 x Conductor Camera

01 x Curtain Camera on line of the curtain from Stage Manager side

Matrix

01 x 40x40 Blackmagic Videohub. Remote controlled at the Stage Manager Desk.

Signal Distribution

04 x Lightware OPTC TX/RX

05 x Blackmagic SDI to HDMI micro Converter

05 x Blackmagic SDI to HDMI micro Converter

Communication

Intercom

Wired

05 x 19' Riedel Intercom Station

05 x Riedel Mobile Tabletop station

Wireless

14 x Riedel Bolero Beltpacks

The intercom has an interface from and to our handheld radio system. Half duplex communication to 30 handheld devices is possible.

Please note: setup of the Intercom

We have four partylines available on every device.

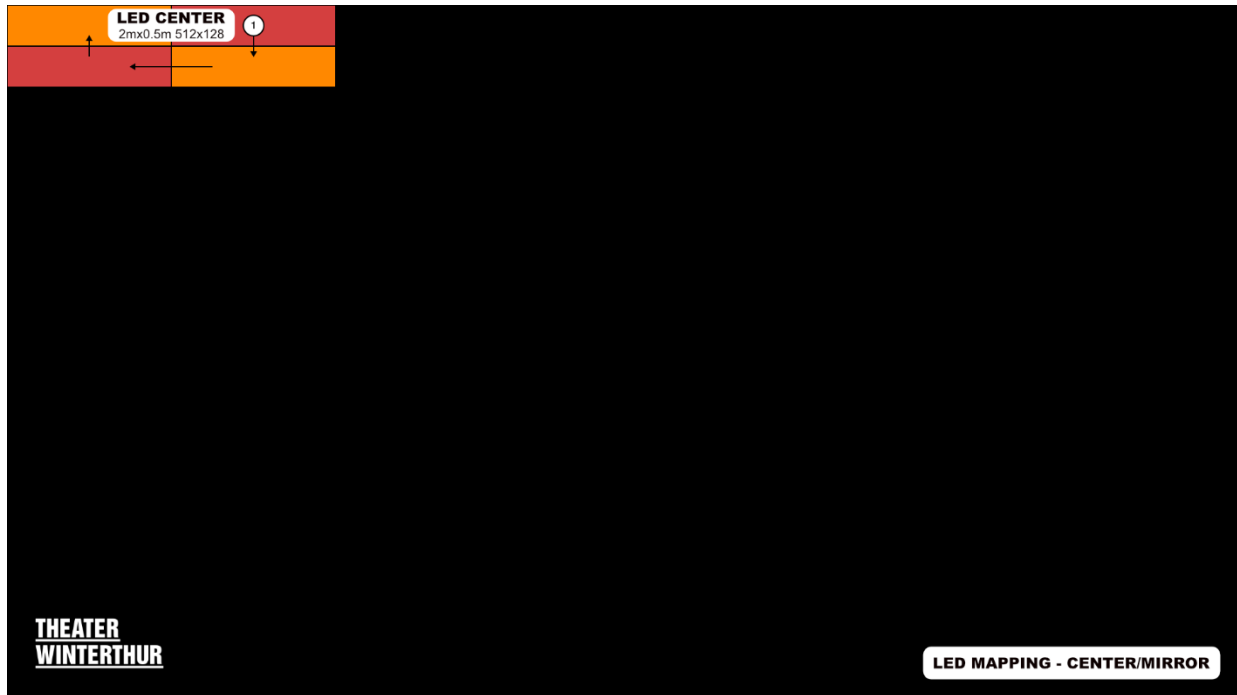
If you have any special needs for partylines or direct calls let us know in advance. The programming takes time and **can not be done just before the performance.**

If you are not familiar with the Riedel Bolero and Artist Intercom devices we will conduct a short training lesson. Please try to plan accordingly, it takes about 15 Minutes.

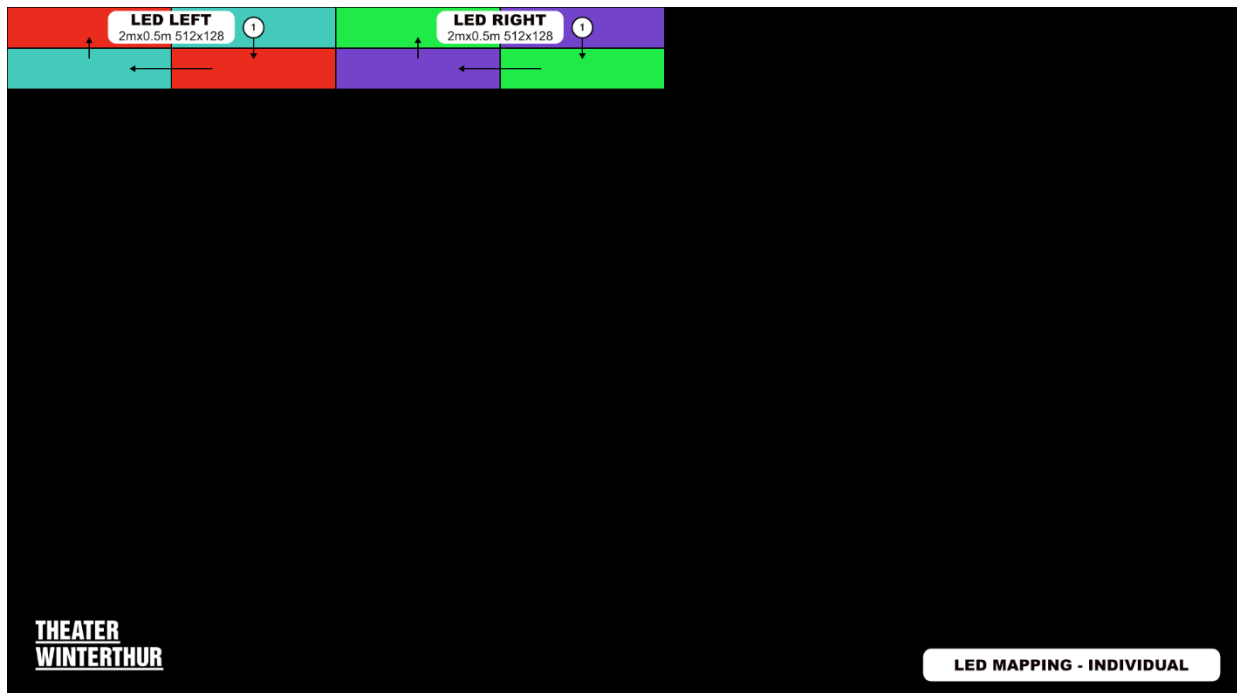
Surtitle Pixel Specs

Surface 1920x1080

Mapping Mirrored / Center



Mapping Individual



These pictures show you the exact pixel count a session must not exceed as well as the area on a 1920x1080 picture that is shown on the LED Walls.

Surtitle with supertitle software and .pptx import

First steps

1. Download the .zip file "Surtitles Theater Winterthur" from our website
2. Unpack the .zip file on your Windows PC
3. Start the Supertitle.exe from the "Supertitle - 1.2.1" folder

Import a .pptx or Word file

4. To import a .pptx or word file go to "File" – "Import Language 1" and choose your file.
Continue with step 5.

OR - Start a new session

5. To start a new session click "Finish Preparation" at the Bottom of the screen **5.1** without loading a file and **5.2** Load a prepared startfile from the folder "Setup" and start writing your surtitles. **Skip Steps 5.1-5.2 if you loaded a .pptx or word file**

Check your session

6. If the maximum character count per line is exceeded it will not be shown on the screen.
You have to check this if you imported a file. The maximum character count is dependent on letter size

Questions

The downloaded zip file contains a manual, in case you need any help.

tbc

Photos





