Technical Rider

MAIN HALL

Technical Director
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COMÉDIE DE GENÈVE
www.comedie.ch

TECHNICAL TEAM

TECHNICAL DIRECTION

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Scenery maker
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BOISSEAU Balthazar
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Staff and artists' door :	Promenade Louise Boulaz 4 - 1207 Geneva
Loading bay :	Promenade Louise Boulaz 2 - 1207 Geneva (via rue de Chamonix 3)
Public entrance :	Esplanade Alice Bailly 1 – 1207 Geneva
Lorry parking :	It is not possible to park at the theatre
Parking options :	Geneva Airport paid parking P43 - 1215 Le Grand-Saconnex
	Rue Jacques Gosselin – 1227 Carouge
	Route des Jeunes (opposite la Praille Stadium) Geneva / Carouge

SCENERY ACCESS

To enter the loading bay, call General Services on +4122 708 49 11 or your contact at the Comédie so that the bollards can be lowered.

Please let us know the date and time of the lorry's arrival beforehand.

The bay can only be accessed by reversing in.

BAY

Dimensions :
Bay : L 4m x H 1m
Lorry access door : L 4.10m x H 4.25m
Door to access corridor : L 4m x H 3.30m

CORRIDOR

Dimensions : L 5m x H 3.70m
Maximum load : 750kg/m2

AUDITORIUM DOORS

Dimensions : L 4m x H 3.30m
Maximum load: 750kg/m2

Scenery access is on the same level as the stage

CAPACITY AND SEATING

Salle storey auditorium with a 90cm high proscenium. The capacity changes depending on how the proscenium is used:

- Full seating (proscenium at auditorium level) : 492 seats + 1-2 disabled access seats without reservation
- Seating with the sound position in the auditorium : 478 seats
- Seating stand without the 3 proscenium rows (at the height of the stage or the orchestra pit) : 403 seats
- Capacity for disabled access for up to 12 wheelchairs eith a reservation

CONTROL BOOTH

The sound, light, and video positions are at back-of-house in the centre and can be open or closed. Above, a "balcony" can house followspots and any other technical equipment. As an exception, and with the agreement of the technical director, the sound position can be set up in the auditorium in the last row of seating. This reduces capacity by 14 seats.

PROSCENIUM ARCH

No fire curtain. Proscenium arch in concrete 14 m wide and 8m high.
Batten 1 : Teaser 3m high.
Batten 2 : Rigid, mobile, independent Tormento left and right 1.50m wide : opening 11m-14m.
Batten 3 :
Draped, black house curtain on a motorised rail, speed : travel and fly speed 2m/s

STAGE

Load per m2 :   750 kg
Depth from proscenium arch : 17m
Width wall to wall :   26m
Total floor surface area :   442m2
Height to grid : 20.40m
3 walkways at 8.60m, 12.80m et 17.40m run all around the stage house.

PROSCENIUM

Proscenium 0 : At the proscenium arch, 90cm de haut
Proscenium 1 : +64cm, 90cm high

MOTORISED ORCHESTRA PIT

The pit can be set up as an extension of the stage into the auditorium. This removes 3 rows, or 75 seats. In this case, the stage thrust is rounded, following the curve of the seating stand. It can be lowered 2.65m. The surface area of the motorised section is 50m2, soit 16m x 3.56m.
Maximum load when still : 500kg/m2 with the weight properly distributed
Maximum total weight : 39 tonnes
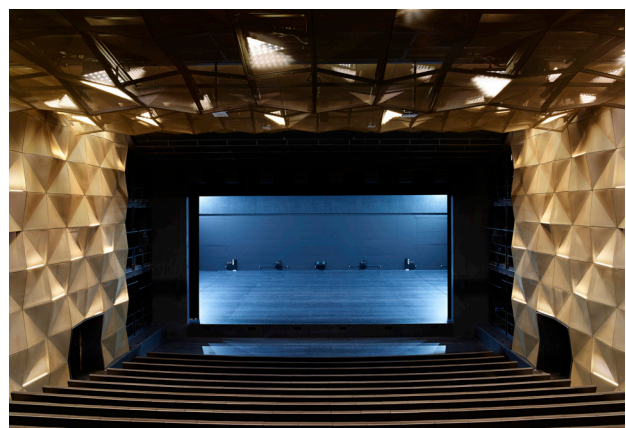When moving : 250kg/m2 with the weight properly distributed - Total maximum load : 13 tonnes
The orchestra pit cannot be moved during the performance with people in it.

FLYING

50 motorised 500kg battens (with the weight properly distributed)
Distance between them : 30cm
Variable speed : max 1.4m/s
Max height : 19.50m
Length n°1 to 3 : 18.60m
Length n°4 to 50 : 21.30m

2x2 motorised lateral 350kg battens
Variable speed max 0.4m/s,
Max height : 18.75m
Length : 13.50m

6 motorised 350kg battens downstage
Variable speed : max 0.2 m/s
A and B are taken up with sound broadcasting.

Option to add another 6 250kg battens
Max speed : 1.2m/s
Max height : 19m

TRAP ROOM

The trap room does not cover the whole stage.
Height to stage : 3.30m
Central part of stage can be converted into trapdoor :
Width : 17.60m / Depth 16m / up to -1m
Trap : 1,2m x 1,2m
Height can be adjusted every 5cm.
Stage cuts run down stage upstage

IMPORTANT TECHNICAL INFORMATION

In order to comply with the Genevan authorities' safety standards, complete blackout is not permitted on stage and in the auditorium. Emergency exit lighting cannot be masked.

Scenery on stage must be made out of relatively inflammable material (5.1 on the flammability scale). Solid wood furniture and constructions are permitted..

All scenery and fabric made outside of Switzerland must be fireproofed in line with European standards.

If any pyrotechnics are to be used, a request must be filed with the competent department no less than 30 days before the performances. None of our technicians are trained in pyrotechnics.
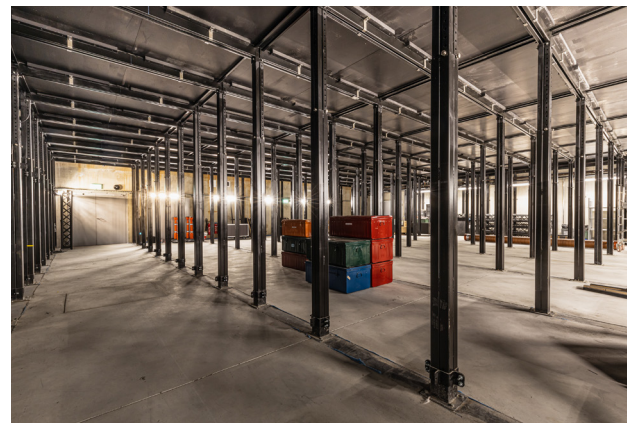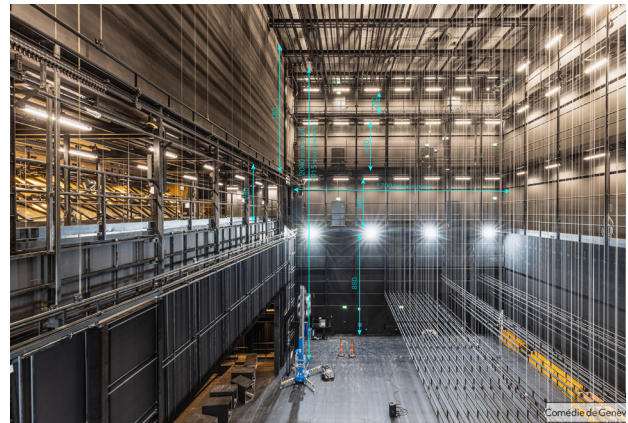
MOTORS

Depending on your needs, extra motorised battens can be added, once we have given our approval, to create more hanging points. Please be aware that the list of our motors is given for information purposes only and gives no indication as to whether they will be available or not :

8 x GISS Chain length : 20m, CMU 250kg

3 x GISS motor control units with extensions : 5m, 20m, 30m

CURTAINS AND BACKDROP

1x creamy white opera plastic cyc H 10m x L 18m
1x studio grey cyc H 10m x L 18m

Borders :
2x H 2m x L 21.3m
4x H 3m x L 21.3m
4x H 4m x L 21.3m
3x H 5m x L 21.3m
1x H 6m x L 21.3m

Leg-style drops :
8x H 10m x L 4m
8x H 10m x L 5m

1/2 backdrop:
4x H 10m x L 8m
6x H 10m x L 12m

Backdrop :
1x H 10m x L 21.3m

Flown house tabs :
1x H 10m x L 16m

We have a set of pipes to fully equip the entirety of our black box.

DANCE MAT

HARLEQUIN duo / pro BLACK / WHITE

8 x 15m x 2m (Nbr x L x l)
2x 16m x 2m (Nbr x L x l) wings

TRUSS

SIXTY 82 M29 L
10 x 0.5 m
10 x 1m
20 x 2m
44 x 3m

The following equipment can be used if available when you arrive. It is shared between the two auditoriums of the Comédie de Genève

SQUARE TRUSS

SIXTY 82 M29 S
12 x 0.5 m
20 x 1m
62 x 2m
20 x 3m
12 x square heavy base
16 x cube box corner

PIPES

10 x 0,25m
10 x 0.5 m
20 x 1m
30 x 2m - 30 x 3m

ACCESS EQUIPMENT

2x GENIE AWP30S 10m
1x GENIE AWP40S 14m

FLYING SYSTEM

WAAGNER BIRO CAT V5
The 50 downstage-upstage battens onstage can be synchronised, with a maximum load of 5 tonnes when moving.

DIMMERS

ADB EURODIM TWIN-TECH : 292 x 3KW and 40 x 5KW spread throughout the stage and the auditorium. A diagram of the distribution of the lines is available on demand. We can add Swisson or Juliat DiGi 5 mobile dimmers.

CONTROL

ETC EOS Ti with Puck as master.

NETWORK

Luminex DMX nodes. SACN network management by Luminode Monitor software. Art-net.

PROJECTORS

In order to save energy, we offer a suite of equipment made up entirely of LED lights. We try to use these light sources as a priority, but if it is impossible to adapt to them, our "conventional" suite of lights remains temporarily available.

We intend to create a permanent setup for the front of house.

The following equipment can be used if available when you arrive. It is shared between the two auditoriums of the Comédie de Genève

LED LAMPS

- 124x ETC SOURCE FOUR LED 2, with :
  70x lens tube zoom 15°-30°
  54x lens tube zoom 25°-50°
  27x fresnel lens mount 15°-50°
  10x lens tube 26° EDLT
  10x cyclight lens tube
- 10x ARRI FRESNEL L10-C RGBW 15°-50°
- 10x AYRTON GHIBLI 7° - 56°
- 32x JULIAT DALIS 860 LED CYCLIGHT 300W
- 06x ADB ALC-4/2 CYCLIGHT
- 8x CLAYPAKY B-EYE K25 4°-60°
- 6x CLAYPAKY B-EYE K15 4°-60°
- 4x CLAYPAKY K-EYE K20 HCR 7°-53°
- 26x ROBE T1 Profile 7°-49°

EFFECTS / MACHINES

- 2x MARTIN ATOMIC 3000 LED strobe machine
- 2x MDG ATMOSPHERE hazer
- 2x LE MAITRE G300 smoke machine
- 1x ANTARI S-500 snow machine

FLUORESCENT LAMPS

- 29x TUBE 36W JULIAT 744V

HMI/MSR LAMPS

- 1x FRESNEL 575W STRAND Sirio with electronic Pani shutter in T13
- 1x FRESNEL 2500W ARRI with Licht-Technik DARK VADER shutter
- 1x JULIAT BISON 2500W FRESNEL with JULIAT shutter
- 2x ARRI D40 4000W FRESNEL with Licht-Technik DARK VADER shutter
- 1x JULIAT 914 S 1200W SPOTLIGHT
- 2x JULIAT 933 SNX 2500W SPOTLIGHT
- 2x JULIAT 934 SNX 2500W SPOTLIGHT
- 1x MSR JULIAT VICTOR 1800W FOLLOWSPOT
- 3x VARILITE 575W VL1000 ERS AS

HALOGEN LAMP

- 80x PAR 64
- 6x FRESNEL 5KW
- Various PC 1KW and PC 2KW
- Various 1KW and 2KW profiler
- ACP1000 ADB CYCLIGHTS

SOUND

SYSTEM

d&b Soundscape avec DS100 + onstage licence. (https://www.dbsoundscape.com/global/en/)

The system can be used for immersive mixing (object-based mixing) or matrixing 64 in/64 output via the Dante network. Each speaker can be accessed separately via the DS100 matrixing.

- In object-based mixing, each input from the console can be used as a "sound object" and can be positioned in a listening zone. Each direct output or mix can be used in "object" mode or freely placed in this zone (for example, to adapt a multicast project for a tour).

- In "matrix" mode, each speaker can be accessed separately and can be delayed depending on your needs.

It is important to note that the Soundscape speakers in the auditorium cannot be moved. However, speakers can be added to the auditorium or on stage at specific points in line with your needs (cf: list of monitors).

Zactrack system for tracking actors, 2 trackers per actor, up to 10 trackers simultaneously, i.e. 5 actors.

SPEAKERS

Main: - Vi10p x 5
(110° x 40° | 3 way - 2x10", 1x8", 1x1.4")

Subs: - YSUB x 8 (Array)
(Sub Cardio | 18", 10")

Delay: - Vi10p x 3
(110° x 40° | 3 way - 2x10", 1x8", 1x1.4")

Front Fills: - C44S x 6
(90° x 30° | 2 way - 2 x 4.5 , 2 x 1.25)

360°:   - E8 x 20
(Coaxial 90° x 50° | 2 way - 8", 1 ")

VoG: - E8 x 4
(Voice of God - Zenithal) (Coaxial 90° x 50° | 2 way - 8", 1 ")

MONITORS

- Vi10p x 4
(110° x 40° | 3 way - 2x10", 1x8", 1x1.4")

- E12 x 6
(Coaxial 80° x 50° | 2 way - 12", 1.3 ")

- E8 x 6
(Coaxial 90° x 50° | 2 way - 8", 1 ")

- E5 x 4
(Conical 100° | 2 way - 5", 1")

CONTROL

Yamaha Rivage PM5 Console + DSP-RX

- 120 Input

- 48 Mix

- 24 Matrix

- 8 Omni In/Out on console

- 3 x 12 faders + 2

Yamaha Rio Mobile 1608-D2 x 3

Dante Primary + Secondary System. (Full redundancy)

PM Editor : https://ch.yamaha.com/de/products/proaudio/mixers/rivage_pm/downloads.html

Console file converter: https://usa.yamaha.com/products/proaudio/software/console_file_converter/index.html

SOUND

MICROPHONES

Wireless Hand Mics :

- Wireless Sennheiser Ew500 G4 + e965 (G Frequency Band)

Beltpacks :

- - HF Sennheiser Ew500 G4 + SK500 G4 (G Frequency Band)
- - DPA 4061, beige & black

Choice of various dynamic and static microphones. (AKG, Sennheiser, Shure, Neumann, Schoeps etc... please contact us for more information)

INTERCOM

Wireless :

Riedel Bolero System

Wired :

Riedel Digital Partyline

- 6 x C3 Beltpacks (DPL)
- 1 x CR-2 Masterstation (Stage Right)

The two systems are connected and enable communication between wireless positions and cabled positions on 4 separate channels ("Grande Salle", "Plateau", Lumière" and " Son Vidéo")

WIRELEES FREQUENCY PLAN

CHANNEL	FREQUENCY (MHZ)	ID
1	558.200	10.101.32.101
2	558.600	10.101.32.102
3	559.200	10.101.32.103
4	560.000	10.101.32.104
5	561.200	10.101.32.105
6	563.600	10.101.32.106
7	565.800	10.101.32.107
8	564.900	10.101.32.108
9	560.475	10.101.32.109
10	562.125	10.101.32.110
11	562.575	10.101.32.111
12	564.475	10.101.32.112
13	569.950	10.101.32.113
14	571.900	10.101.32.114
15	574.600	10.101.32.115
16	575.700	10.101.32.116

VIDEO

NETWORK AND IT

R3G-SDI network

3G-SDI matrixing BlackMagic Universal

VideoHub Mixer Live Atem Television

Studio Pro HD

Windows 10 PC available

- Intel Xeon W2125 4.00GHz
- 64Gb 1333MHz
- 2 x Nvidia Quatro P4000
- Moniteur 32" 4K

BUILT IN EQUIPMENT

Panasonic PT-RZ30K (30 000 lum) front-facing projector and suite of lenses.

Recording of a set security plan and for the archives of each performance: Sony PXW-Z150 front-facing camera in the center of the control booth.

A FullHD recorder can be provided on demand.

Stage relay monitors :

- 2 x stage left and right, behind the proscenium arch
- 3 x at the stage management console
- in the performers' waiting area next to the auditorium and the changing rooms

EXTRA EQUIPMENT

The following equipment is provided if available upon your arrival.

Suite of Panasonic Laser video projectors with the following lenses :

- PT-RCQ10 (10000lum)
- PT-RZ660BA (6000lum)
- PT-RZ570B (5000lum)
- PT-RZ570E (5000lum)

Front-facing projection screens :

- Stumpfl 400 x 300
- Stumpfl 750 x 431

Live Atem TV Studio HD Mixers

Variety of converters:
BlackMagic – DataVideo – Aja

System for Windows PC

Software : Madmapper , Isadora , Qlab, Suite Adobe

Caméras :

- Sony PXW-Z190
- Tripod and gimbal

Various monitors

Our stage network is based on the Luminex network and managed with the Araneo software

Static guest IPs :

**Main Hall
10.101.100.0-254 /16**

LIGHTING

Luminex DMX nodes

SACN network management by Luminode Monitor software

Access to machines is available on these networks via protected wifi :

Hidden SSID, IP address white list

SOUND

Cisco switches for the Dante network

Dante network management by Dante Domain Manager.

Unless there is a good reason to do otherwise, internet access is via the administration ethernet network or the Guest or Pro wifi.

TECHINCAL SERVICES OPENING TIMES

Morning :   09h – 13h
Lunch break :   13h – 14h
Afternoon :   14h – 18h
Evening break :   18h – 19h
Evening :   19h – 23h

These hours can be altered as long as a request is made and has been approved by the Technical Director.

Our staff is subject to Swiss labour law.

(artos_plaquette_tt_theatres_181128_web.pdf (artos-net.ch)

EQUIPMENT FOR STAFF

All staff taking part in setting up and breaking down must wear safety shoes and gloves.

ARTISTS

Access to dressing rooms on upper floors is via... They can be accessed by stairs and by lift.

There is an adjoining waiting room with toilets and a shower specifically for the room.

DRESSING ROOMS AND EQUIPMENT

Individual dressing rooms floor 4- 8 individual furnished dressing rooms (day bed, mirror, hanging space, shower, sink) 1 dressing room with disabled access.

Shared dressing rooms floor 3 - 4 8-person furnished dressing rooms (armchairs, mirrors, clothes rails, shower, toilet).
Make-up room floor 4- 2 rooms each for 5 people

CATERING AREA

Furnished kitchen (microwave, dishwasher, coffee machine, teapot) 10-person table. Outside balcony space for smokers.