

# Technical Specifications – Virtual Studio

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# Technical Specifications – Virtual Studio

## 1. General Information:

### *1.1. Equipment Set Up & Operation*

All in-house equipment, including consoles, will be operated by Gateway Theatre staff. Concessions to this practice may be granted, under special circumstances, through prior consultation. Charges apply to equipment set up and operation.

### *1.2. Electrical Safety*

All electrical equipment brought on site is expected to conform to local codes, be of good quality and good repair. Dubious equipment may be subjected to an Electrical Safety Test and Gateway Theatre reserves the right to disallow its use.

### *1.3. Power Supply*

Local Power Supply:	230 volt 50Hz
Standard overhead fixture connector:	32 amp three phase 16 amp single phase
Standard household connector:	13 amp

All equipment which are brought in by Hirers MUST be used together with MELCB - 13 AMP \*

### *1.4. Network*

Cat 5 access points are available at various prominent locations, with a network speed of 1gbps.

## 2. Audio & Video:

### *2.1. Mixing Console*

D Live S5000 with 48 Input Channels	1 unit
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### *2.2. Playback*

Tascam SS CDR 200 (Single)	1 unit
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### *2.3. Standard Rig*

Front of House Speakers are rigged at a default location. Main FOH speakers are powered by EAW Anna adaptive System. All expenses related to modifying, removing and/or restoring the House Rig are to be borne by the hirer.

- Please check with Production Coordinator for more information.

### *2.4. Microphones\**

Gateway Theatre provides a standard quantity of microphones and transducers. Units may be requested subject to availability:

- Dynamic Microphones
- Condenser Microphones
- Direct Injection Box
- Range of Vocal, Instrumental, Lapel, and Rostrum Microphones

\* Rental & Manpower Charges Apply.  
Please check with the Production Coordinator.

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### *Use of wireless system (Wireless Handheld or Head worn)*

- Do consult with the Production Coordinator should you require in-house wireless microphones
- At any one time, the total number of Handheld and Head-worn microphones that can be used is **6** units. Please discuss with the Production Coordinator for more information.

### **2.5. Communication \***

Intercom & Accessories: CC-300 Single-ear Standard Headset (4)  
 ClearCom Freespeak 1.9 GHz Beltpack (4)

- 5-Channel band digital wireless beltpack operating in the 1.88- 1.93GHz frequency band

### **2.6. Relay System**

- Audio Show Relay
- Video Show Relay

- Please check with the Production Coordinator for more information.

### **2.7. Video Equipment +**

Gateway Theatre provides standard quantities of the following equipment for use of the Virtual Studio's services. Quantities differ depending on the package selected (See Sales Kit):

Panasonic AW-UE150 Camera	1 / 2 / 3 unit (s)
Magnus VT-4000	1 / 2 / 3 unit (s)
Lenovo Legion Y540 i7 Laptop (for playback)	2 / 4 / 6 units
Intel i7 Coffee Lake CPU	1 / 2 / 3 unit (s)
Unreal Engine (Virtual Software)	

Gateway Theatre provides a standard quantity of the following equipment for use of the Virtual Studio's services:

NewTek TriCaster 2 Elite	1 unit
NewTek TriCaster	1 unit
NewTek TriCaster Studio Monitor	1 unit
Blackmagic Atem Mini Pro	1 unit
Macbook Pro (Playback)	1 unit
LG 27" Full HD Monitor	2 units
Philips 55" Full HD TV on Pedestal (Viewing Monitor)	1 unit

The following are equipment with which the Black Box is equipped. They may or may not be used in the Virtual Studio:

- Absen P3 HD LED Wall (72 cabinets) 6m X 3.375m
- Sony MCS-8M (Multi-Format Compact Video Mixer from FOH)
- Blackmagic Atem TV Studio Pro 4K

- All contents for graphics to be in 1920 x 1080 format for video clips and JPEG files; Power point files are to be in 16:9 aspect and must be provided by hirer.

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### 3. Lighting:

#### *3.1. Production Lighting*

Gateway Theatre provides a standard quantity of the following equipment for use of the Virtual Studio's services:

Aputure Space Light	28 units
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Upgrades and other design changes may alter venue specifications over time. This information is subject to change without prior notice. Hirers are urged to ensure they are in possession of the most recent documentation. Specific requirements must be verified on a show-to-show basis.

#### *3.2. Data Distribution*

Interface:	DMX 512 & ACN
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#### *3.3. Console*

Computerized Lighting Control:	GrandMA2 Light
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#### *3.4. Work Lights*

General Work Flood Light (Non-Dimmable):	1 Standard Setting
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#### *3.5. Dimmers*

Strand Wall Rack Dimmer, 24 Channels: (2 dimmers used for houselights)	32amp, 3 phase, 2.3kw / 230V
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#### *3.6. Others \**

Haze Machine:	Tour Hazer II "SF" Black
Smoke Machine:	Smoke Factory Captain D

#### *3.7. Standard Rig*

Please check with Production Coordinator for the Standard Lighting Rig.

#### Moving Head

FINE 330 Beam

#### Moving Head LED Lights

FINE 600L Spot or Performance modules (Either):

- Spot – 2 rotating Gobo Wheel (6 Glass Gobos), 1 Fixed Gobo Wheel (9 Gobos) & 1 Animation Gobo Wheel
- Performance – 1 rotating Gobo Wheel, 1 Fixed Gobo Wheel, 1 Animation Gobo Wheel with Framing Shutter (Standard Model)

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## LED Lights

FINE 400T FS  
 FINE 1519 Pixie (300W)  
 FINE 1514 Zoom (Angle 9 – 45 degree)  
 FINE 1514 DG (Fixed Angle 8 degree)  
 FINE 172 DG (Strip Light)  
 FINE 2970W (Strobe Light)  
 FINE 400T Leko (Tungsten)  
 FINE 300C Leko (Colour RGBAM)

### **3.8. Gobos & Colour Gels List**

Please check with the Production Coordinator for the latest Gobo stock and Colour Gel list. Changes may be made without prior notice.

## **4. Staging:**

### **4.1. Retractable Bleachers**

Stage configuration:

Full Green Screen	Black Box Dimensions:	16.62 (W) x 16.65 (D)
	Stage Dimensions:	14.9m (W) x 9.8m (D)

- Wheelchair Space is available
- All measurements are from wall to wall
- Above measurements exclude minimum safety distance clearance (1.5m) from the audience
- Above measurements exclude usage of LED with distance of 2m from wall

### **4.2. Loading Area**

Black Box loading area is accessed via service lift located along Bukit Merah Central.

Dock Height from Floor:	3.2m
Service Lift Dimensions:	2.5m(L) x 2.3m(H) x 2.6m(D)
Lift Weight Loading:	4.6 Tonnes

- Service lift is shared by all levels

### **4.3. Floor**

Material:	Thick Red Oak
Thickness:	50mm
Loading of Stage Floor:	5kN/m <sup>2</sup>

Floor is overlaid with chromakey green-coloured carpet.

### **4.4. Rigging Specifications**

Normal Height from Stage Floor:	8m (under truss)
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- Suspension of any equipment other than in-house stock is subject to prior approval.
- Please check with Production Coordinator for more information.

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### 4.5. Draperies

ChromaKey Green Digital Screen Veltex Fabric: 1 pc

Green fabric drape surrounding perimeter on fixed traveller tracks.  
 (36m Width x 6.1m Drop)

### 4.6. Riser Platform\*

NIVOflex

Surface Dimension:	2000mm (L) x 1000mm (D)
Surface Material:	Plywood
Overlay:	Carpeted Black
Platform Height (Adjustable):	200mm, 400mm, 600mm, 800mm

## 5. Other Information:

### 5.1. Dressing Rooms

Dressing Room 1	2910mm (W) x 3260mm (L)
Dressing Room 2	2635mm (W) x 5355mm (L)
Dressing Room 3	2520mm (W) x 4360mm (L)

- Dressing Room 1 is located at level 8 & Dressing rooms 2 & 3 are located on level 9.
- Please check with Production Coordinator for more information.

### 5.2. Wardrobe & Laundry Services

There are no in-house wardrobe & laundry room facilities available. However, there are external alternatives to consider. External Laundry Services are as follows:

- 24 hours self-service coin laundry  
 HDB Redhill #01-63, 86 Redhill Close, Singapore 150086  
 9696 9115 (Mobile)
- Wonder Wash (24 hours)  
 Block 86 Redhill Close #01-592, Singapore 150086  
 9786 2038 (Mobile), info@wonderwash.com.sg (Email)
- Laundry Service Singapore (Pick Up / Delivery)  
 61 Kaki Bukit Ave 1 #03-05D, Singapore 417943  
 6692 1091 (Office)
- Dry Cleaning (Pick Up / Delivery)  
 5 Ang Mo Kio Industrial Park 2A Singapore, Singapore 567760  
 Christopher Lim - 8503 2609 (Mobile)
- Keep Calm & Laundry on (Pick Up / Delivery)  
 1 Irving Place #01-16 The Commerze @ Irving, Singapore 369546  
 9755 7119 (Mobile)

\* Rental & Manpower Charges Apply.  
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- Laundry Mart (Pick Up / Delivery)  
1 Vista Exchange Green, The Star Vista #01-39A, Singapore 138617  
9235 0274 (Mobile)

- For Sunday Pick Up & Delivery, advance booking is required.