

# CONSTANTINOPE

**“THE MOST EXTRAORDINARY MUSIC YOU WILL EVER SEE!”**

Royal Opera House Magazine

TECHNICAL RIDER  
(February 2007)



# CONSTANTINOPLÉ

GENERAL COMPANY INFORMATION (vs4\_Feb07 Pg1/2)

**NUMBER OF PERFORMERS**

5 performers - the Gryphon Trio (violin, cello and piano) and two singers

**RUNNING TIME**

85 minutes with no intermission

**TOURING CREW**

- 1 x LX (lighting design and board operation)
- 1 X PROJECTOR (projection design, installation and operation)
- 1 X SOUND (sound design, operates front of house board)
- 1 X PSm/CM (calls show)

**PROJECTION EQUIPMENT TOURING WITH COMPANY**

- 2 x Sanyo 3800lumens projector
- **Multi-media control equipment**
- 3 Shuttle PCs (display computers)
- 1 Macintosh PowerBook (Control computer)
- 4 Dataton WatchOut licence keys
- 2 Ethernet Switch/Hub + Ethernet wiring
- 1 Ethernet wireless access point
- 1 Projector Stand
- 2 100' VGA Cables
- 2 50' VGA Cables
- 1 25' VGA Cable

**LIGHTING EQUIPMENT TOURING WITH COMPANY**

- 1 x LED piano light
- 6 x mini par lamps 110v/60hz

# CONSTANTINO<sup>o</sup>PLE

GENERAL COMPANY INFORMATION (vs4\_Feb07 Pg 2/2)

## SET AND ACCESSORIES TOURING WITH COMPANY

- 1 x 21'h x 21'0 w gold bobbinette scrim with square opening with aluminum structure (FRONT PORTAL)
- 1 x 16'0h x 9'0w gold bobbinette scrim with aluminum frame (PIANO SCRIM)
- 20 x plastic bowls
- 4 x aluminum 'chandeliers'
- 1 x cello chair
- 2 x stands for electronic music pad
- 4 x electronic music pads (2 x piano, 1 violin, 1 cello)

Downloadable ground plan, lighting plan, lighting list and set details are available at [www.gryphontrio.com](http://www.gryphontrio.com).

For any technical questions please email production manager CAROLINE HOLLWAY [production@gryphontrio.com](mailto:production@gryphontrio.com).

*"...composer Christos Hatzis' fascinating multi-media collaboration Constantinople was the music event of the season."* - Paula Citron, **Classical 96 FM - Radio**

# CONSTANTINOPL

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## STAGE REQUIREMENTS

### Playing area:

- ▯ Stage area from 35'w x 35' deep (minimum) to 45'w x 45' deep.
- ▯ Formation: 'end on' or proscenium arch.
- ▯ Fly tower preferred, otherwise overhead grid, with the ability to 'dead hang' or spot line certain items
- ▯ Height of grid from stage: 21' minimum to 45' maximum

### Masking: traditional black masking, with (minimum) four entrances on each side of the stage

#### Drapes required:

- o 1 black scrim
- o 1 white cyc
- o 1 black velour backdrop

Ability to access both sides of the stage, plus offstage crossover.

### Matt black floor surface required

House size: 500 - 1,400

## LIGHTING REQUIREMENTS (Minimum)

- ▯ 1 lighting board Strand 12/24 (or like model to be approved by company)
- ▯ Lighting units: 140. Selection of 100 profiles, 25 fresnels and 12 cyc lighting, 6 booms and 20 floors plates TO BE MUTUALLY AGREED. (General LX plan and list available)
- ▯ Dimmers: Minimum 120 x 2.4 Kw.
- ▯ Cabling as required

## PROJECTION REQUIREMENTS

- ▯ 1 x Sanyo/Sharp 5600 lumens projector (or like model to be approved by company) with a long throw lens appropriate for distance of FOH
- ▯ UPS (uninterrupted power source off stage left and at front projector position)
- ▯ XGA capable computer monitor 15" or 17" (1024 X 768 pixels)
- ▯ All the projection control equipment will be 120/240v 50/60 Hz (no transformers needed)
- ▯ Please supply contact information for local service provider for Sanyo projectors

*"Hatzis's bracing, multimedia work demonstrates that new ground  
can still be broken when treating the East-meets-West theme, with flair."*

George Loomis, [MUSICALAMERICA.com](http://MUSICALAMERICA.com)

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## SOUND REQUIREMENTS

### General Requirements

- 2 x 16 channel audio snakes - 1 going in each direction to reach from front of house to backstage left
- 1 x 50 foot 8 channel audio snake
- 6 x passive direct boxes with ground lifts
- 32 x Black Microphone cables (20 x 25 feet long 12 x 10 feet long)
- 1 x Table (30 inches high) at backstage left for wireless equipment
- 2 x Tall Black Boom Microphone Stands
- 1 x Black stage weight
- 1 x work light for FOH

### Wireless Microphone and In-Ear Monitoring

- |                              |   |
|------------------------------|---|
| 4 x SENNHEISER EW550         | Evolution bodypack wireless transmitter           |
| 2 x DPA DAD4066-F            | Headset mic - flesh colour                        |
| 1 x DPA DAD4066-B            | Headset mic - black colour                        |
| 3 x DPA DAD6003              | Adapter Microdot to limo                          |
| 1 x SENNHEISER AC2           | Wireless antenna combiner                         |
| 2 x SENNHEISER A1031         | Paddle antenna kit with cables                    |
| 3 x SENNHEISER EW-IEM 300 G2 | In-Ear Monitoring receiver with IE3 buds          |
| 2 x SENNHEISER EK-300 G2     | In-Ear Monitoring Beltpack receiver with IE3 buds |

### Speaker System (to provide 105db of audio throughout the venue)

- A discreet 4 channel playback system with a minimum of 2 subwoofers
- 8 x Top speaker cabinets (15" speaker plus horn) - 2 cabinets per corner of venue (Meyer, Apogee, EAW)
- 2 x Subwoofer cabinets - placed with front speakers (Meyer, Apogee, EAW)
- All necessary power amplifiers and cabling actual size and number of speakers will be determined by the size and capacity of the venue to be confirmed with the production manager
- The company can also use a surround sound system where available, please advise.

### Mixing Console

- YAMAHA DM1000 Mixing desk

### Drive Rack

- 4 x 31 Band Graphic Equalizers 4 mono, or 2 stereo (Klark-Teknik, BSS, White or dbx)
- Additional 31 band Equalizers will be required for any and all additional zones (ie: balconies)
- 1 x DAT Machine with cables for recording and playback
- All necessary cables and AC to power the above system

### Communications headsets

- 6 in total: stage x 2 (1 to be cordless if possible), 1 x sound,

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**We will also require:**

- **For International presenters: NB - ALL our equipment is 110v 15amp.**  
**We will require step-down transformers if venue is 240v - at least 2 for sound**
- A CLEAN FEED for sound – separate from general ring-main and lighting power
- 2 x 110 volt 15 amp ac quadboxes (1 at front of house and one for monitor system on stage)
- We will require 5 radio frequencies for our radio microphones.  
Exact frequencies to be advised.

## PERSONNEL REQUIREMENTS

### Set up crew

- 1 x sound tech required for set up and running wireless system during rehearsals and performances
- Fit up crew: TO BE AGREED WITH VENUE.
- Sufficient staff to rig overhead lighting and focus rig.
- Crew to assist with sound installation
- Stage crew to assist with hanging/installation of screen materials

### Running crew

- 1 x wardrobe staff to wash and iron costumes
- 1 x sound technician (as above)
- If flying possible: 2 fly technicians

## OTHER

### Piano required

- 1 Steinway or Yamaha concert grand piano (9 feet, 2.44 meters) in excellent condition, tuned to A 440 before every performance.

### Water for set

- 2 x 18 liter jugs of bottled water

### Dressing rooms

- 4 dressing rooms (3 minimum) with ensuite washrooms

**1 company office with telephone, high-speed internet access, printer and photocopier**