

**Video artist :** Boya Bøckman

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**Composer:** Rolf Wallin

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# Manyworlds 3D

Manyworlds 3D is a concert performance of Rolf Wallin's 30 minute orchestral work *Manyworlds*, featuring stereographically projected, fractal generated 3D film by Boya Bøckman. Film clips are synchronized and tuned to the orchestra by a musician, thus freeing the orchestra and conductor from following click tracks etc. At the moment, this synchronization must be done by the percussionist Eirik Raude.

The picture is generated by 4 projectors joined to create one 3D image behind the orchestra. Due to the light output lost in the process of projecting 3D, back projection is preferred. In order to control the concert lights for the musicians to an acceptable level for both performers and viewers, all musicians must have stand lights, separated into three dimmer channels.

## Film costs

Film Hire €700 for one performance.

Cost is €350 for subsequent performances in the same run.

## Personnel

### Video artist

Set up: one day

Rehearsals: minimum one day, dress rehearsal and 1<sup>st</sup> performance:

**Total fee** :€1500 plus accommodation and per diem

Additional days: € 500.

### Musician to cue film

Set up: one day

Rehearsals: minimum one day, dress rehearsal and 1<sup>st</sup> performance:

Total Fee €1500 plus expenses

Additional days: € 500.

***The setup can be the evening before first rehearsal with video***

## Projectors

Rental of 4 3D-equipped projectors: € 2700 for the performance period, including insurance.

### **3D Glasses**

3D glasses are rented at €1.70 each pair for the initial performance.

3D glasses for subsequent performances in the same run are rented at €0.80

### **Transport**

Transport costs for personnel and equipment from Oslo - Northern Europe are estimated to approximately €1700.

Rates are for the 2013/2014 season only.

### **Music costs:**

Orchestration:

3(3pic).3.2(II=bcl)+Ebcl.3(III=cbn)/4.3(I&II=pic.tp).3.1/timp.4perc/hp.pf/str

Hire of the orchestral materials is through Music Sales. Please visit

***[www.musicsalesclassical.com/rental](http://www.musicsalesclassical.com/rental) to find your local Hire Agent.***

### **Technical requirements:**

Video

- Back projection screen preferred
- Projection screen size: 15 x 6 m
- Screen masked by black draping
- Min. space behind screen: 6 m
- Risers to bring the projector @ 3m high
- Alternately front /overhead truss-rigged projectors
- Minimum projector specs in the event of us not bringing our own system: Dolby 3D equipped HD projector with 12000 ansilumen.

Lights

- Music stand lights for all musicians
- Three separate dimmer channels for music stand lights
- Top/backlight profile for the conductor

Local crew

- 1 light technician – rigging and participating in all rehearsals with video and concert(s).
- 1 stage technician – rigging only
- crew to hand out/collect/clean 3D glasses – these can be washed in a regular washing machine temperature 60 degrees. 1000 glasses will take ca. 2-3 on short program.

Schedule

- rigging time: 6 hours, 8 if projectors are truss rigged. 2 hours down-rigging after concert.
- 4 hours of technical adjustment time is needed after first rehearsal.

