

# Technical Requirements - Atonor

## Guidelines

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→ **for a quick overview read from page 3!**

The great things about Atonor are the instruments and sound objects, which are developed by Erwin Stache. Depending on our various programs, equipment and the particular event, our technical requirements can be diverse.

The following are merely approximate guidelines. For a specific performance a specific stage rider will be compiled.

Unfortunately a general stage plan is not available, as our setup varies between each show.

If it is convenient, we also have video compositions and movies for which require video technology. In that case, the specific details can be discussed.

For a more detailed overview of our setup and compositions, please take a look at our website:  
[www.atonor.de](http://www.atonor.de).

### **1. General Guideline**

1. According to the technical requirements our usual organisation is as follows:

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#### Stage and devices

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**WE NEED:** - stage or spot with a good view of our instruments for the audience  
(alternative forms of the stage: "arena situation" or no stage with less audience)  
- if necessary tables and chairs;

**WE PROVIDE:** - smaller pieces of equipment such as music stands and other stands

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#### Power

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**WE NEED:** - mains electricity and appropriate adaptors and extension cables, so that we have easy access to power from various positions on the stage. The German mains electricity standards are 230V / 50Hz with a plug type C or F, so some foreign adapters may be required if your country's specifications differs from ours.

**WE PROVIDE:** - power cables for our objects

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#### Sound

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**WE NEED:** - PA inclusive mixer and monitors  
- usually a manned FOH during the technical setting and performance  
- suitable DI-boxes  
- any cabling from the DI-boxes to the sound facilities  
- condenser/capacitor microphones, inclusive stands and cabling  
- if necessary electronic sound effects. e.g. reverb

**WE PROVIDE:** - our instruments and any cabling for DI-boxes (e.g. jack)

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#### Light

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**WE NEED:** - basic warm, white stage light, on several spots on the stage

2. For smaller performances of 30mins or so, we are able to perform absolutely self-sufficient if need be (i.e. with own mixer, two loudspeakers, appropriate cabling and energy distributors). In this case there just needs to be a power connector (standard line current, see above).

This option is only in this situation and if the organizer has no other alternatives, as our basic equipment

would not be suitable for bigger rooms and it serves as our rehearsal gear. Therefore this option is just useful in small rooms or events like smaller parties with private hosts (birthday, weddings etc.)

3. Generally, we need a technician during the performance and technical installation. We can mix ourselves just in case of smaller and more restricted venues/events.
4. If there are any problems in providing a specific item, we will do our best to find a solution. We have got a limited stock of smaller mixers, DI-boxes, power distributors and microphones, that could help you out (e.g. lack of 1 or 2 channels)

In our experience our installation times are longer than other conventional bands, due to the specific aspects of our instruments, which have to be checked.

Our normal set up order is as follows:

I. installation: when we install **our** objects, a technician is not required. The installation can take place separately from the rest (e.g. a day before)

II. set up/audio check: our objects will be plugged in and checked – technician required!

III. [optional] additional rehearsals / testing pieces: as we often involve the room in our performances and our compositions have a dramaturgy etc., they have to be discussed and tested – technician possibly required!

Important note: the set up of the sound (PA,DI,XLR...) is not included on this sheet! It can take place during our own installation.

**For the audio check (II) we assume, that the sound installation already has finished! The stage has to be prepared before we start our own installation (I)!**

1. Object conversions during the current performance would be very limited, only if appropriate intermissions are possible or scheduled. So generally, whenever a cable is plugged in or out, there has to be a short check.
2. We avoid modifications during the performance. In certain circumstances a fast dismount is possible.
3. Due to the objects, our performances are also always displaying a kind of photographic scene or slideshow, for which we likely work with light effects. Therefore some white spotlights should aim on different spots on the stage, as well as some aiming at the front area of the stage. (→ four people next to each other, in a row) If these possibilities are limited, the light technical requirements can become reduced. As the light setting possibilities are very specific, there are no further items listed for "light".

## **2. musical intermezzi and short performances [to 20']**

### STAGE

- min. at least 6m x 2m (If the space has to be shared with other artists, we can come to an arrangement)

### DEVICES

- if applicable. table (2m x 1m), chairs, mollitan

### POWER

- ca. about 5x standard power at different spots on the stage

### SOUND

- PA incl. mixer, DI and cabling up to an including DI
- if applicable reverb effect
- monitor boxes (at least 1, better 2)
- ca. about 8 channels all in all
  - 2 to 4 jack in DI (we provide jack)
  - 2 to 4 microphone

- if applicable up to 4 condenser microphones incl. stands and cabling

#### LIGHT

- req. after consultation or rather adapted to the specific environment

#### STAFF

- if applicable a technician for performance and installation (= manned FOH)

#### TIMES OF INSTALLATION

unloading and installation (I): ca. 1,0 hour  
set up (II): ca. 0,5 hours

ALL IN ALL: ca. 1,5 hours

→ If there is less time for installation and modification during the program due to the type of event, between us we will find a satisfying solution. We can prepare a lot of things prior to the event so that we are able to stay relatively flexible. Also in a framework program this depends heavily on the compositions/pieces. When emphasising acoustical compositions less time is needed.

### **3. concerts of middle length and technical extensive progr. [30' to 45']**

#### STAGE

- about 8m x 4m x 0,6m

#### DEVICES

- if applicable 2 to 3 tables (2m x 1m), mollitan, chairs

#### POWER

- about 10x standard at different spots on the stage.

#### SOUND

- PA incl. mixer, DI and cabling up to DI
- if applicable reverberation-effect
- at least 2 separately controllable monitor boxes
- about 16 channels all in all
  - 12 to 14 jack in DI (we provide jack)
  - 2 to 4 microphone
- up to 4 condenser microphones incl. stands and cabling

#### LIGHT

- req. after consulting or rather adapted to the specific environment

#### STAFF

- technician for performance and installation (= manned FOH)

#### TIMES OF INSTALLATION AND MODIFICATION

unloading and installation (I): ca. 1 hour  
set up (II): ca. 1 hours  
testing pieces(III): ca. 0,5 hours

ALL IN ALL: ca. 2,5 hours

→ If there is less time for installation and modification during the program due to the type of event (e.g. fixed line-up) there is the possibility to prepare the majority of objects near the stage area. This has to be clarified from case to case.

## **4. evening programs [from 50']**

### STAGE

- at least 8m x 4m x 0,6m

### DEVICES

- 2 to 3 tables (2m x 1m), if applicable mollitan, chairs

### POWER

- ca. 15x standard power at different spots on the stage

### SOUND

- PA incl. mixer, DI and cabling up to and incl. DI
- if applicable reverb effect
- at least 2 separately controllable monitor boxes
- ca. 24 channels al in all
  - 18 to 20 jack in DI (we provide jack)
  - 4 to 6 microphones
- up to 6 condenser microphones incl. Stands and cabling

### LIGHT

- after consulting or rather adapted to the specific environment

### STAFF

- technician for installation and set up (= manned FOH)

### TIMES OF INSTALLATION AND SETUP

unloading and set up (I):	ca. 1,5 hours
set up (II):	ca. 1,5 hours
testing pieces (III):	ca. 1 hour

ALL IN ALL: ca. 4 hours

→ If there is less time for installation and modification during the program due to the type of event, (e.g. fixed line-up) there is the possibility to prepare the majority of objects near the stage area. This has to be clarified from case to case.

## **5. open air**

Open air performances are generally possible. Where weather conditions are unpredictable there has to be a roofing (like pavilion, tarpaulin o.a.)

For smaller open air events we have additional objects which are not hurt by slight rain.