



Technical Rider Lammel | Lauer | Bornstein

Grand Piano:

High quality condenser microphones (e.g. Schoeps MK4, Neumann KM184) as stereo AB / ORTF system.

Focus on natural „classical“ sound; very close mic positions with e.g. DPA 4099 not required. Usually hard left/right pan as real stereo system.

Optional: one additional dynamic microphone (Sennheiser MD 441) filtered with a Low-Pass for more representation of low frequencies.

Upright Bass:

We provide a pickup and a clip-microphone similar to DPA 4099.

Drums:

standard microphoning with two Overheads (high quality condenser microphones). Usually hard left/right pan as real stereo system.

Bass Drum (e.g. Sennheiser MD421), Snare (condensator or dynamic mic).

Tom microphoning is optional.

We need 2x DI for Trigger-Modules and 2 additional channels (XLR) for sound effects.

Monitoring:

The band brings along their own monitors Genelec 1029a and needs 3 safe mic stands, XLR and power cable therefor. The Bass Amp gets feed with a fourth aux send from the mixing desk for detailed filtering of the bass signal before the bass amp.

PA / mixing desk:

The PA has to fit to the room size and should be equipped with sub-lows. If needed also front & delayed side fills. We like professional quality systems like L-Acoustics, Kling & Freitag, D&B. Professional **digital** mixing desks are needed like Yamaha CL5, CL3, QL5, QL1. We prefer that the SUB-loudspeakers have their own Aux-Send from the mixing desk and are not connected to the STEREO-Out of the main full range speakers. In case of need the band could provide their own small digital tablet-mixer Soundcraft UI12.

We maybe bring along our own audio engineer. Otherwise our pianist and tonmeister will do the settings together with the audio engineer of the venue.
If some microphones won't be available please contact us.

We are looking forward to a great concert with Lammel | Lauer | Bornstein at your venue!

Thank You!

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Channel List:

Channel	Instrument	Needed Mic / Type	Stand
1	OH L	Neumann KM 184	Normal
2	OH R	Neumann KM 184	Normal
3	BD	MD 421	Small
4	SD	SM 57	Small
5	Trig BD	Active DI	-
6	Trig SD	Active DI	-
7	Sound Drums 1	XLR	-
8	Sound Drums 2	XLR	-
9	Bass DI	Active DI	-
10	Bass Mic	We provide or DPA 4099	-
11	Piano L	Neumann KM 184	Normal
12	Piano R	Neumann KM 184	Normal
13	Piano dyn	MD 441 Optional	Normal
14	Announcement	SM 58 / MD 441	Normal
Ret 1	Mon Piano	We provide Genelec 1029a	Normal without boom
Ret 2	Mon Bass	We provide Genelec 1029a	Normal without boom
Ret 3	Mon Drums	We provide Genelec 1029a	Normal without boom
Ret 4	Send for Bass Amp	XLR	-