



## **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.

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.

The mixing desk gets one input (DI box) which is connected via Direct Out to a Bass effect. This signal is not routed to the Main Out. The Stereo return of bass effect goes to two further inputs of the mixing desk. This stereo signal is routed to the Main Out.

### **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).

1 dynamic mic for the Floor Tom

We need 3x DI for one Trigger-Module and two additional sound effects.

### **Monitoring:**

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

### **PA / mixing desk:**

We provide our own digital Rack Mixer.

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. We prefer that the SUB-loudspeakers have their own Aux-Send from our mixing desk and are not connected to the STEREO-Out of the main full range speakers.

We usually 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
<b>1</b>	BD	MD 421	Small
<b>2</b>	Trig BD	Active DI	-
<b>3</b>	SD	SM 57 / condensator mic	Small
<b>4</b>	Floor Tom	SM 57 o.ä.	Small / Clip
<b>5</b>	OH L	Neumann KM 184	Normal
<b>6</b>	OH R	Neumann KM 184	Normal
<b>7</b>	Sound Drums 1	XLR	-
<b>8</b>	Sound Drums 2	XLR	-
<b>9</b>	Bass L (Return from eff)	Active DI	-
<b>10</b>	Bass R (Return from eff)	Active DI	-
<b>11</b>	Bass Mic	We provide or DPA 4099	-
<b>12</b>	Piano dyn	MD 441	Normal
<b>13</b>	Piano L	Neumann KM 184	Normal
<b>14</b>	Piano R	Neumann KM 184	Normal
<b>15</b>	Announcement	SM 58	Normal without boom
<b>16</b>	Bass in Pre (Not to Main Out)	SM 58 / MD 441	
<b>Ret 1</b>	Mon Piano	We provide Genelec 1029a	Normal without boom
<b>Ret 2</b>	Mon Bass	We provide Genelec 1029a	Normal without boom
<b>Ret 3</b>	Mon Drums	We provide Genelec 1029a	Normal without boom
<b>Ret 4</b>	Send for Bass Lo Amp	XLR	-
<b>Ret 5</b>	Send for Bass High Amp	XLR - Jack or passive DI box	
<b>DI Out</b>	From CH16 to Bass Effect IN	XLR - Jack or passive DI box	