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# **TECHNICAL RIDER**

#### **PA SYSTEM:**

A high quality PA-system is required. The system must be of a 3 or 4 way active system, including high quality crossovers and amps.

The system must be capable of delivering a clean and undistorted sound, with a uniform coverage of the venue, including balconies or similar seating.

It must have an effective frequency response from 25 Hz to 20 kHz at sound levels reaching approx.  $100\ dB\ A$  .

System must be totally free of hum and noise.

#### MIXING CONSOLE FOH:

A 16 channel input mixing desk. Channels must also include high pass filter, 48 V phantom power and insert options.

Console must have a good quality digital reverb.

The FOH position is to be in the centre of the hall 2/3 from the stage front and not underneath balconies.

#### **MONITORS:**

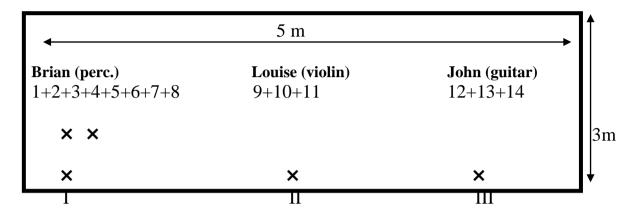
**3 identical wedges**. preferably 15" and HF.

SEND 1	Bodhrán, perc., vocals	1 Wedge (NO drum fill)
SEND 2	Violin, vocals	1 Wedge
SEND 3	Vocals, guitar	1 Wedge

# Tradish Irish music and beyond

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## Stageplan



No.	Instrument	Microphone	Stand
1	Bass drum	Own built-in microphone	
2	Bodhrán	Brian's own clip-on microphone (needs phantom power)	
3	Percussion overhead left	AKG C 430 Overhead Microphone or similar	High/boom
4	Percussion overhead right	AKG C 430 Overhead Microphone or similar	High/boom
5	Djembe	Brian's own clip-on microphone	
6	Mandolin	DI-box	
7	Brian's stepping	Shure Beta 91 condenser boundary microphone	
8	Brian vocals	Telefunken M80 / Shure Beta 58A	High/boom
9	Louise vocals	Neumann KMS 105 / Telefunken M80 / Shure Beta 58A	High/boom
10	Fiddle	DI-box (own DPA clip-on microphone)	
11	Viola	DI-box (own DPA clip-on microphone)	
12	John vocals	Telefunken M80 / Shure Beta 58A	High/boom
13	Guitar	DI-box (own pickup)	
14	Bouzouki	DI-box (own pickup)	

#### **Other equipment needed:**

 $\times = 5$  microphone-stands (5 high/boom)

I-III = Monitors

3 monitor-sends



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### **Notes for soundman**

The percussion should be sound-checked in the following order:

#### **Bodhran**

Boost the top (i.e. above 4 kHz) Reduce frequencies around 500 Hz "Dry" (i.e. almost no reverb)

#### Bass drum

Boost the sub (i.e. below 100 Hz).
Reduce frequencies around 500 Hz
Not too much "kick"
The volume should be slightly less than the bodhran

#### **Djembe**

#### **2 Overhead microphones**

The 2 overheads should not be panned out too far as the right overhead must also take sound from the "scruti box"

#### **Stepping microphone (Shure beta 91)**

Take out the bass (i.e. below 100 Hz)
The volume should "match" the bodhran volume