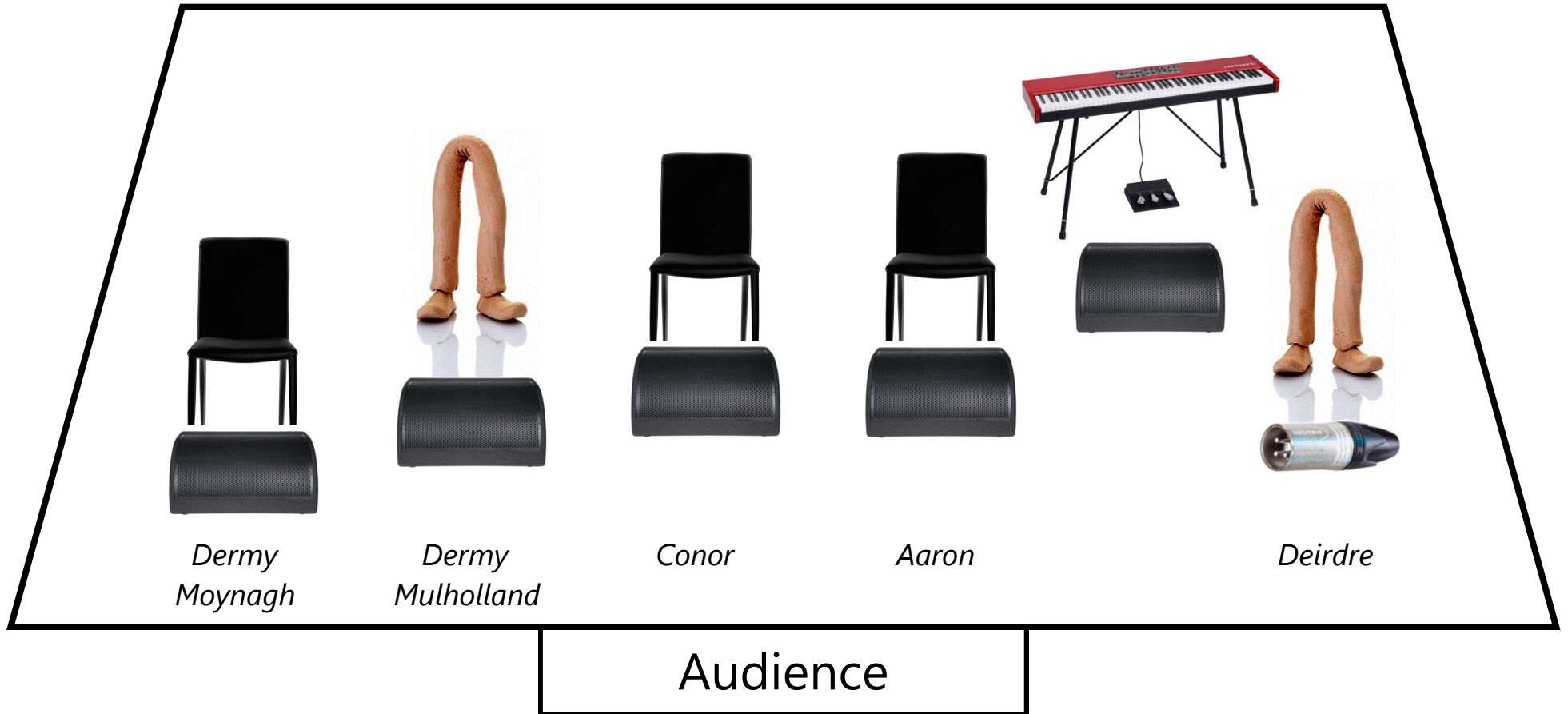


Réalta

Technical Specifications



On Stage

Adequate soundcheck time required.

4 chairs (1 at keyboard) with **no arm rests**

6 separate monitor mixes (1 XLRM connection for IEM pack - **pack supplied**)

Channel List

Dermy	1	Bodhrán	Shure SM57	Small boom stand
Moynagh	2	Cymbals	Neumann KM184	Tall boom stand
	3	Tambourine	Shure Beta 57A	Small boom stand / desktop boom stand
Dermy	4	Double Bass	XLR (+48v)	UK power socket needed
Mulholland	5	Banjo	XLR (+48v)	UK power socket needed
	6	Bouzouki	XLR (+48v)	UK power socket needed
	7	Vocal	Sennheiser e945	Tall boom stand (e945 provided)
Conor	8 & 9	Uilleann Pipes Chanter	Shure SM58 + Neumann KM184	Stereo bar & small boom stand
	10	Uilleann Pipes Drones/Regulators	Shure SM57	Small boom stand
	11	Tin Whistles/Vocal	Shure Beta 57A	Tall boom stand
Aaron	12 & 13	Uilleann Pipes Chanter	Shure SM58 + Neumann KM184	Stereo Bar & small boom stand
	14	Uilleann Pipes Drones/Regulators	Shure SM57	Small boom stand
	15	Tin Whistles/Flutes/Vocal	Shure Beta 57A	Tall boom stand
Deirdre	16	Guitar	Active DI	Power socket needed
	17 & 18	Keyboard	Active Stereo DI	See below / UK power socket needed
	19	Vocal (@ guitar)	Shure SM58	Tall boom stand
	20	Vocal (@ keyboard)	Shure SM58	Tall boom stand

- Small boom stands and stereo bars are essential for the uilleann pipes
- Please provide a professional standard stage piano
Roland RD800 or similar
- Where possible, low heat lighting should be used, as uilleann pipe reeds are extremely sensitive to changes in temperature
- Please provide professional standard cymbal stands (x 2)

Please contact Dermy Mulholland if there are any queries regarding sound. Thanks!
dermybanjo@gmail.com / 00447544844267

Speaker System

Very high quality stereo speaker system. Minimum 4kW for 20Hz -20KHz.

Capable of producing 115dB (A weighted) of peak sound pressure level of music at FOH mix position without distortion.

The system should be designed and configured to cover all areas of the venue that will be occupied by the audience during the show. This includes banked seating beside stage, balconies, the pit, etc...

The system should be checked thoroughly in advance to have correct polarity/phase relationships throughout, correct time alignment settings and that all individual components are functioning correctly.

FOH

Minimum 24/2 channel mixing desk, with a minimum of 6 auxiliary sends **switchable between pre and post**.

2 tested and functional consoles PSU's must be available (1 as spare).

Channels should have two swept mid controls plus high and low frequency controls, phase, high and low pass filters, phantom power and minimum 100mm faders.

FOH position should be positioned on the same level as the audience, at the back of the room and in the centre with respect to the main PA speakers. **Not under a balcony or in a control room**.

Very high quality 31-band 1/3 Octave Graphic EQ inserted over main outputs and accessible to engineer. **No Behringer please**.

3 x high quality multi effects units (like Yamaha SPX990, TC Electronics M1/M3000/M5000, PCM 80/90 are minimum spec)

1 x digital delay with tap function (TC Electronics 2290/D2)

Monitors

Monitors from FOH is acceptable, although the Graphic EQs for the monitor mixes must be located at the control position.

Six separate mixes (5 to good quality (**minimum 12"**) monitors free from hums and buzzes and 1 to XLRM connection for IEM pack) with very high quality 31-band 1/3 Octave Graphic EQ on every monitor mix.

1 dedicated digital stereo reverb unit and at least 6 compressors.

Stage Hands

Please ensure that the in-house lighting engineer, stage hand and sound engineer are on hand to set up equipment, and for soundcheck and performance, in case of any problem with the equipment or system.