**RED HOT MUSIC AGENCY**

**Technical Specification 2017**

The first part of this specification is for QUARTET when playing their main pop set. Alterations and additions required for a classical set are detailed at the bottom of the page.

**Stage**

The QUARTET require a level stage of a minimum size of 16’x10’ at a height suitable to the event and the room (minimum height 1’)

**The system**

The system should ideally be a four way but minimum a three way active system from a reputable manufacturer (e.g. L’Acoustic, Meyer Sound, D&B, EAW, Nexo etc...).

Mackie, Peavey, Behringer or similar manufacturers are not acceptable.

The system is to be run in stereo.

The power of the system must be suitable for the size of the room and the type of the event. Full access to equalisation and system control on the main system (including compression and limiting) must be made available to the engineer. System control is to be located by the FOH mix position and must contain a stereo 31 band graphic equaliser from a reputable manufacturer such as BSS, XTA, or KT if not built into the console provided. Yamaha, Alesis, and Behringer graphics are not acceptable.

An experienced system technician is to be present during the sound check and the show to ensure that the system is running properly.

**Desks**

Our sound technicians are happy to operate on most consoles. Digital consoles are preferred (Yamaha, Midas, Digico, Avid, Soundcraft VI etc. are all fine).

In all instances (analogue or digital) a minimum of a 16 channels is required. The desk must have a minimum of two swept mids per channel as well as 4 pre-fade auxiliaries for monitors and 1 post-fade auxiliary for effects. Subgroups and VCAs would be appreciated but are not essential.

Desks by Behringer, Mackie etc. are not preferred.

Ideally the FOH board should be positioned centrally and towards the rear in the room of the event no more than 30m from the stage, in a position covered amply by the PA system and providing good sight lines to the stage. It must not be under a balcony, behind a pillar, etc... At events where the nature of the event dictates a side of stage mix to be essential a local monitoring system is required for the engineer to duplicate the FOH mix.

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**On stage monitoring ( if not using IEM’S)**

Four independent pre-fade monitor sends are required with XLR outputs to connect to our IEM system. These returns should be located by the stage to allow for a minimal distance between the transmitters and the receivers.

 Two on-stage wedges are required these can be linked as one mix.

**Playback, dynamics and effects**

The QUARTET will bring a memory stick with the backing tracks.

Input for an iPod is also required.

6 channels of high quality compression are required if not on a digital board.

One professional quality effects unit is required (e.g. Yamaha SPX990, TC Electronic M1XL, Lexicon PCM 91). The sends to this unit can be mono but returns must be in stereo, likewise if not on a digital board

**Microphones and radio packs PLEASE SUPPLY** :-

**2 x Sennheiser EW 300 G2 IEM Transmitters + Receivers 2 x Shure ULX1 UHF Body Pack Transmitters + Receivers 1x Shure ULX1 UHF Body Pack Transmitter (spare) 3 x Shure WA302 Instrument cable for body packs**

**RHM will supply: 2x Shure WBH53T head microphones (ONLY IF VOCALS ARE REQUIRED)**

**2x Shure PGX14 Radio receivers and belt packs 2x adapter leads for use on the electric violins . On events where radio packs are being supplied for us we require two channels of receivers with two good quality belt-pack transmitters (e.g. Shure ULXP, UHF, UHF-R, Sennheiser G2), and two leads running to quarter inch jacks to connect the electric instruments to the body-packs (as if it were a wireless guitar system).**

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**Channel List**

1  Violin stage right

2  Violin stage left

3  Violin stage right vocal

4  Violin stage left vocal

5  iPod L

6  iPod R

7  CD L

8  CD R

11 FX ret L

12 FX ret R

**Lighting**

The stage is to be well lit at all times so that the performance is clearly visible. Use of intelligent and effects lighting and smoke or haze to enhance the show is encouraged.

**Extra notes**

Red Hot Music require a full 1 hour sound check. During this sound check the stage must be illuminated and there must be no extraneous noise in the room. All equipment must be in full working order and in good presentable condition. All microphone grilles must be clean and odour free!

**Classical set**

If Red Hot Strings are performing a classical set in addition to their pop set then the following notes are relevant: I**f we are not supplying our own radios then the quarter inch leads connected to the radio belt packs for the electric instruments will need to be interchangeable with small lavalier microphones for the classical instruments (e.g. Sennheiser MKE2.5, DPA4060 etc.). Suitable fittings to hold these microphones in place must also be supplied, ideally DPA MHS 6001s, but whatever system is supplied must not use any adhesive or hard clips to fix the microphones to the bodies or bridges of the instruments.**

Two chairs may be required for this section of the performance. The performance area must be lit with adequate lighting for musical scores to be read. Failure to do this will mean the performance will not be able to go ahead. For more information on this rider or to discuss any proposed alterations please contact: **Steve Bull: 07738 390 625 e: steve@grove-studio.com**

**Please note that we can supply any or all of the equipment detailed above if required. Please contact us for a quote.**