

## Technical and Venue Requirements for Touch the Strings

Revised October 14, 2004

### PROVIDED BY PERFORMERS

- ◆ **Phantom powered** condenser microphone (Neumann KM-184) for cello.
- ◆ Whenever possible, TTS brings their own sound engineer. This will be decided by TTS on a case-by-case basis.
- ◆ When an adequate mixing console is not available at the venue, TTS can bring their Allen-Heath DP-1000 powered console with stand. However, this must be arranged well in advance.

### PROVIDED BY VENUE (please provide via email, a description of your equipment including mixing console mfg. and model number, speakers, compressors, etc.)

#### **Stage**

- ◆ Approximately 10' x 10' performing stage with two padded armless chairs.

#### **Microphones and Stands**

- ◆ One **short** boom stand with clip for cello mic. Must be counter-balanced to prevent tipping over from weight of microphone and striking the cello. The mic will be placed at approximately F-hole height in front of cello. A standard height stand with a boom is not acceptable, as it is a visual obstruction.
- ◆ Two wireless lapel mics for speaking. In certain cases, and when wireless lapel mics are not available, a single microphone on stand will be adequate (SM-58 or similar); however, this must be discussed in advance in case other arrangements are necessary.

#### **Cables**

- ◆ Four channels of balanced (XLR) snake from stage to mixing console. One of these channels will be **phantom powered (48V)** for the cello microphone. Console shall be placed in an optimal audience location to insure proper mixing. Typically, this is at least half way between the performers and the back row – centered. Placement behind, directly in front of, or beside the stage is not acceptable. If the console is located in a balcony, TTS must be notified in advance.
- ◆ Four XLR microphone cables from performers to snake (*guitar rig, cello mic, electric cello rig, speaking mic*).

#### **Other Devices**

- ◆ One direct box (1/4" to XLR) to connect the electric cello rig to the snake.

#### **Speakers**

- ◆ **If** TTS brings their Allen-Heath DP-1000 powered mixing console, the venue must provide a minimum of two full range high quality speakers and 2-conductor cables (with Neutrik Speakon NL4FC connectors at console end) on stands. If Neutrik Speakon NL4C connectors are not available to connect your speakers to the TTS console, 1/4" phone plugs (2 conductor) can be used. If the room is exceptionally wide or large, additional speakers and amplifiers may be required to insure that all audience members can hear properly. If necessary, an auxiliary send to your additional amplifier is available from the TTS console. See Allen-Heath DP-1000 technical specs for more info.

#### **Monitors**

- ◆ On-stage monitors are usually not required.

#### **AC Power**

- ◆ GROUNDED AC power (120VAC) for mixing console and GROUNDED AC power (120VAC) on stage with three outlets (two by cello and one by guitar).

#### **Personnel**

- ◆ One person to assist with unloading and loading and technical setup under direction of TTS engineer.

#### **Other**

- ◆ A secure location for storage of instrument cases and other items.

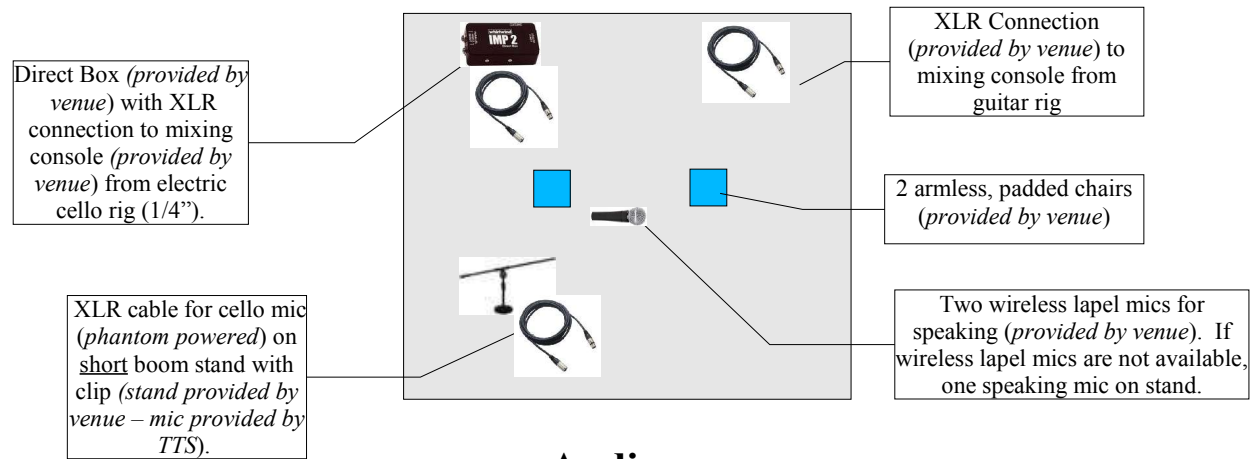
As any good sound engineer knows, reproducing the beauty and nuance of acoustic instruments can be quite challenging. Touch the Strings makes every effort to provide the highest level of performance and sound. Our instruments are high quality, and our goal is to accurately bring the sound of those instruments to each listener.

We appreciate your assistance in helping us reach this goal.

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This diagram shows venue provided equipment in an approximately 10' x 10 area.



**Audience**

**Mixing Console**

(provided by venue unless otherwise arranged with TTS)

# Touch the Strings

The Guitar and Cello of Mark McCain and Erika Johnson