



IN CONCERT: TECHNICAL RIDER (March 2020)

Two versions: 80 min (50 min / 30 min) and 50 minutes (no break) for short programs.

INSTRUMENTATION

1 Flute

1 Oboe (dbl. Eng. Hn) - or 2 players at the discretion of the presenter

1 Clarinet

1 Bassoon

4 French Horns

2 Trumpets

1 Tenor trombone

1 Bass trombone

1 Tuba

Timpani (five drums)

3 Percussionists (bass drum, suspended cymbal, crash cymbal, large tam tam, tubular bells, vibraphone, marimba, glockenspiel, dumbek, dholak, congas, shaker, snare drum, toms, vibraslap, deep bassy taiko drum*) (various mallets, drumsticks, and bass bow required)

* low toms can substitute taiko drum, but not ideal

Harp

Piano (page turner recommended)

Organ

Cimbalom

Strings: suggested number of players 10-8-6-5-4 (minimum 8-6-5-4-3)

Chorus: Ideally a chorus of minimum 28 singers 7-7-7-7.

REHEARSALS

Extra choir-only rehearsal required.

- Rehearsal room should have access to sound system in which a 1/8" laptop audio output can be outputted for the choir to hear and sing to.

Rehearsal with orchestra (2.5 hour)

- if rehearsal is in the same space as performance, technical setup should be that of the performance. Projection optional.
- if rehearsal is in a different space, it is possible to use a scaled down tech setup:
 - musicians will be using headphones
 - conductor, narrator, and tech director should EACH have at minimum one monitor or flat screen television (20" or larger) for their use
 - projection optional

Dress Rehearsal (2.5 hour):

- All video and audio systems will be ready for artist approval at least 1 hour prior to the start of the Dress Rehearsal.



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AUDIO

Show will require live sound mixer to mix and balance various elements through the house PA system. While orchestra does not necessarily need to be miked, orchestra and/or mixer may choose to do so in consultation with HUMAN's Technical Director. It is expected the house sound technician will work with HUMAN's TD to find the right balance during the tech and dress rehearsals.

Video will have dialogue and sound effects that will need to be mixed into the house system together with live narration. Dialogue and sound effects will be provided as separate channels to allow house mixer to adjust accordingly. **Audio will be provided via 1 stereo 1/4" TRS output (Effects L-R) and 1 mono 1/4" TRS (Dialogue).**

Narrator requires a skin-color wireless headset microphone (see more on expected movement below).

HUMAN will provide, and the HUMAN TD will set up for all members of the orchestra and chorus:

- w60x Stanton DJ Pro 300 single-ear headphones,
- 25xRolls HA43 Pro Stereo Headphone Amps,
- and 1x Custom Distributor via Cat5e.

The headphones are a complete stage system providing breakout and amping for all headphones. Musicians may use their own ear-pieces with the approval of the HUMAN TD prior to the first rehearsal. **Headphones will connect directly to the HUMAN TD's station offstage/backstage.** Click track is necessary for synchronization to picture (to be controlled by the MacBook system described below) as show contains a number of tempo changes and "hit" points that require precision at critical places in the score. Setup and teardown of the provided stage equipment takes roughly 1.5 hours. At least 1 crew will be needed to help setup for dress rehearsal and for teardown after the final performances.

VIDEO AND CONTROL

Three Macbook Pro laptops will be provided by the production which will output **three (3)** separate video feeds to be provided by the presenter:

1. MAIN HOUSE PROJECTION - **SDI @ 1080p x 59.94hz**
2. NARRATOR PROMPTER - **SDI @ 720p x 59.94hz**
3. MUSICIAN MEASURE COUNTER AND VIDEO - **HDMI @ 720p or 1080p x 59.94hz**

Conductor will need to see MUSICIAN'S MEASURE COUNTER AND VIDEO feed via computer monitor or flat screen television (minimum size of 20"), to be placed on a stand which will allow easy viewing by conductor without obstructing musician's view.

Because of the length and the high number of measures in the production, musicians (both choir and orchestra) will have at least four additional monitors (20") interspersed through throughout the orchestra with this same feed. All musicians, including chorus, should be able to easily view these screens. Technical Director will also require one monitor (20").

To supplement the measure counter on the video monitors, musicians may connect their smartphones via WIFI to a show measure counter. The HUMAN TD will provide details prior to the first rehearsal.



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The HUMAN TD will control computer/video system from backstage/offstage and will require active two-way audio communication (talkback microphone) with conductor during rehearsals. The Technical Director has the ability to talk back to orchestra via headphones. **All audio and video feeds will be sourced from the backstage/offstage location.**

The Narrator will be situated down stage right, and will need to walk freely in an area approximately 3 feet deep and 6 feet wide. To do this, the Narrator will require at least 2 flat screen televisions (**recommended size 42"**) with NARRATOR PROMPTER feed. The screens should be on the floor but angled up to allow the narrator to read without losing eye contact with the audience.

PROJECTION AND SCREEN

Presenter will need to provide a 2.35:1 or 16:9 format Projection screen (wide screen) with a minimum of one screen. MAIN HOUSE PROJECTION is 1920 x 1080 provided via **SDI @ 1080p x 59.94hz**. The presenter will recommend ideal screen size, placement, and projection strength for show approval (i.e. 22K lumen). The projection system should be able to **switch to a black frame** before, in between and after the performances. The host orchestra can also use an informational slideshow or a logo in place of a black frame.

LIGHTING

Traditional CONCERT LIGHTING is to be engaged prior to the start of the show. Bright and white, no saturated colours or gels. After conductor and narrator have taken their positions, show will go into PROJECTION LIGHTING, where orchestra may be dimly lit in a mid-blue wash without bleeding onto or affecting the projection on screen. NARRATOR will need to have special lighting to allow movement while speaking. NARRATOR should also have lit stand available for backup in case of technical failure of monitors.

All orchestra players will require stand lights, preferably LED with good resolution or on dimmers to reduce spill onto projections. Choristers will also require lighting to ensure that they are able to read their parts properly.

SHIPPING DETAILS:

It is the responsibility of the client to ship and return the following from Victoria BC. Please include courier information in the agreement.

Case sizes and weights:

- 5 cases @ 35lbs 18" x 22" x 8"
- 1 case @ 30lbs 19" x 7" x 19"
- 1 case @ 20lbs 22" x 9" x 7"

DRESSING ROOMS:

- 1) Niobe Thompson: Anthropologist / film director / narrator
- 2) Darren Fung: Film composer / conductor
- 3) Harrison Lee: Technical director

TRAVEL & ACCOMMODATIONS: (to be provided by client) Two direct round-trip economy airfare from Los Angeles; One round-trip from Victoria. Three hotel rooms with a check-in the day before the first rehearsal and check-out the day after the final performance.