

Tech Rider: *The ToyBox*

The ToyBox is a mobile installation that takes theatrical tools and places them in the hands of the audience. Situated in a simple structure and utilizing several key technologies, audience members are encouraged to “play” and create their own stories and images within an environment that fosters engagement and free form thought. Resulting in a room filled with ever changing colour, image and sound, **The ToyBox** uses interactive video projection, specifically created motion graphics, MIDI triggered sound and video effects, a green screen and camera composed into the projection, controllable colour changing LED lighting, building blocks, plasticine, and live cameras, all placed within a specifically designed 16’ wide by 20’ long by 12’ tall free-standing truss structure.

STRUCTURE

The ToyBox requires a self-standing truss that is 12’ tall by 20’ long by at least 16’ wide. A third 20’ length of truss runs along the centre. Truss can be 1’ box truss (aka exhibition truss) or triangular truss. The load on the truss is not significant and is made up mostly of soft goods. Playground Studios may have access to a truss structure for the Greater Toronto Area. **For any venue outside the GTA we ask the presenter to source and provide the truss.**

SOFT GOODS & MATERIALS

To be provided by the presenter:

- 1 x 20’ steel pipe (completed length, can be a coupled pipe)
- 1 x 12’ x 20’ red, blue, green, or black velour drape. *read below

On one wall of the truss is a 12’ by 20’ spandex Green Screen with a pipe-pocket. It ties along the top and sides of the drop to the truss legs and top truss. We require the presenter to provide 20’ of steel pipe for the Green Screen to be stretched properly. The main projector also hangs on this wall and is installed prior to the Green Screen.

On the opposite wall of our truss structure hangs a 12’ x 20’ red velour drop that ties to the truss and truss legs. On this side also hangs a four point 18’ by 10’ White “splat “ that functions as a projection surface. This “splat” ties to the four corners of this “wall” Also hanging on this wall is a Sony “Pan Tilt Zoom” remote controlled camera pointed at the green screen. Playground Studios provides these soft goods, camera, and hanging hardware. In select cases we may require the presenter to provide the red curtain.

On the 16’ wide openings of the truss structure hang two 8’ by 18’ four point “splats” which create an opening for the installation. These splats are lit and projected onto. They are provided by Playground Studios.

Tech Rider: *The ToyBox*

LIGHTING & ELECTRICS

To be provided by the presenter:

- 1 x DMX Lighting control board
- 4 x dimmers
- 3 x 1kw Cyc cels (single unit)
- 2 x 50 degree ETC Source 4 or Strand SL instruments
- 60 amps of power distributed over at least **four 15 amp circuits**
- LED instruments to line the truss as per drawing. Type of instrument to be determined based on what is available in your area.
- All appropriate cabling

On the top chord of the truss structure around the entire perimeter hang LED style lights to be provided by the presenter. These lights face inward to the structure and chosen to be LED for their inherent low wattage, low heat, and colour changing ability. In previous incarnations ColourBlocks were used, but Microeh LED Bars are also appropriate. Please contact Playground Studios to discuss what is available in your area. These LEDs function mainly on a chase so control board for these need not be overly complicated.

On the centre truss we require three cyc cell lights controlled by dimmer focused on the green screen area. These lights, along with the two 50 degree instruments hung on the 16' ends, illuminate the green screen for the live compositing of people into the projection.

For more information please see the attached drawing

SOUND

To be provided by the presenter:

- Sound system consisting of a small sound board, four speakers, two stereo amplifiers, and all hanging hardware and necessary cable for the speakers.

On each leg of the truss is hung a speaker to create a surround sound system for the installation. These speakers need to be fairly small and low profile but don't need to be very loud. We also require a small sound board and amplification for the speakers.

PROJECTION

To be provided by the producer.

The main projector should be a 10K lumen projector with a 0.8 wide-angle lens with a native resolution 1280 x 768 (16:9), with mounting hardware for truss.

In the event that The ToyBox is to be presented out of doors or in sunlit venues we may require the presenter to provide a brighter projector with a minimum of 1280 x 768 resolution. Please contact Playground Studio to discuss.

Tech Rider: *The ToyBox*

FLOORING AND ACCESSORIES

To be provided by presenter:

- 3 x “acting blocks” measuring 2’ x 2’. Stable for an adult to stand on. Painted bright green.
- 1 x three-step stair unit painted bright green
- 1 x 6’ round table
- 4 x small stools or chairs for the table.
- 1 x clothing rack
- matte black gaffe tape

The floor of the venue is covered in interlocking foam tiles (provided) that cover the floor within The ToyBox. We require at least one “Acting Block” - a cube 2’ by 2’ by 2’ (that can be stood on by an adult), painted green. We also require a small three step stair unit, also painted green for the Green Screen area. Contact Playground Studios for a colour sample.

In the centre of The ToyBox sits a pedestal. On this pedestal sits a MIDI controller with 64 buttons. These buttons trigger 1 of 64 video and sound effects which composite on the screen through the projection via our media server WATCHOUT. The media servers are placed outside the truss structure and should be hidden from view (along with the lighting and sound control. On one side of the room sits a costume rack and boxes with Capes, Dragon Tails and Crowns. Also located on this side of the room is a creation table where Lego, plasticine, and other arts and crafts ideas are located. We may require the presenter to provide a 6’ round table.

PERSONNEL

Please note that this rider does not include any information about the “animators” required to run the space. That is information that will be negotiated in a separate contract. Either the creators of The ToyBox remain on site, or trained proxies do.

TECHNICAL PERSONNEL

To be provided by the presenter:

- Appropriate number of technicians to build the truss structure and hang the lighting sound, video and soft goods, based on venues agreements with any local organizations. A minimum of four technicians is recommended. The ToyBox takes approximately 6 hours to set up.
- One venue technician while The ToyBox is open to the public.
- Other personnel as required. Different versions and length of installations may require additional staff to be the “animators” of the space, crowd control, security, front of house, box office, etc. This is to be discussed with Playground Studios.

Tech Rider: *The ToyBox*

Additional items to be provided by the presenter:

- All items listed above
- Access to laundry facilities to clean costumes in the interest of public health
- Brooms, mops, and other cleaning supplies. (In high traffic the floor gets quite dirty)
- Venue large enough to fit the installation
- Security as required
- Secure space to store equipment in overnight if necessary

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To view the promo video, visit this link: <https://vimeo.com/57349071>