

# Executive Order

For KYMA X and MIDI Wind Controller

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## Requirements:

- KYMA X, version 6.33 or later
- Capybara 320 Sound Computation Engine with 8 I/O and 12 processors
  - Any MIDI Wind Controller with cc02 set to “breath control”
    - 4.1 surround sound system
      - Left front speaker is channel 1
      - Right front speaker is channel 2
      - Left rear speaker is channel 3
      - Right rear speaker is channel 4
      - Subwoofer is channel 5
- One sensitive directional microphone placed directly in front of the left front speaker at a distance of less than five centimeters. Microphone input is channel 1 on the Capybara.

## Instructions for performance:

In essence, the MIDI wind controller player improvises by cycling through the three primary sounds, altering each with breath and fingering. Pitch bend controls the quadraphonic placement of each primary sound. Breath also controls the playback speed of the secondary sound. Microphone input affects the volume and filtering of the secondary sound. The computer operator may or may not improvise on the virtual control surface in KYMA X.

- Total length is 5 minutes and 10 seconds
- Change primary sounds by either rearticulating or changing fingering. There are three primary sounds that rotate in succession.
  - Breath controls the volume and density of each primary sound.
  - Pitch bend controls the quadraphonic panning of each primary sound.
  - Pitch changes via fingering affect the relative “highness” and “lowness” of each primary sound.
  - The secondary sound is a sample of the composer’s voice.
- The secondary sound is triggered by the microphone input: The louder the input, the louder the playback of the secondary sound.
  - Breath also controls the playback speed of the secondary sound.
  - Bright sounds picked up by the microphone result in bright playback of the sample. Likewise, dark sounds picked up by the microphone result in dark playback of the sample.
- The secondary sound rotates slowly around the quadraphonic space on its own.
- The computer operator may or may not wish to alter sounds via the virtual control surface in KYMA X.