

# **Duo for Tenor Saxophone & Computer**

**by Cort Lippe**

**2023**

**Written for Kyle Hutchins**

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**Electronics:**

The saxophone should be amplified with 1 to 2 microphones. (A second mic might be useful for picking up extended techniques.

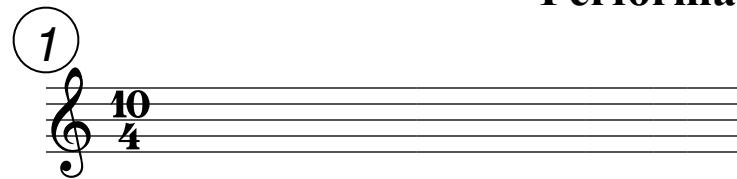
A reverb unit can be used in conjunction with amplification.

A mono mix of the amplified (un-reverberated) saxophone should be sent (via a pre-fader aux send) to the computer input.

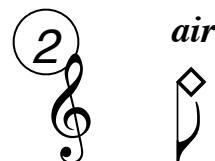
The computer, running the software in Max/MSP should be output as a stereo mix.

See the Max/MSP computer patch for detailed instructions.

## Performance Directions



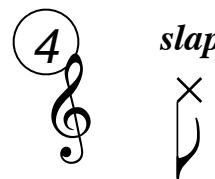
each system represents approximately one  
12 second measure, and each measure number  
represents a computer event number



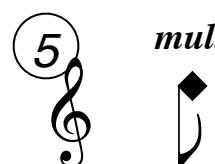
air current noise (can be exaggerated with  
air outside the mouthpiece as well as into the  
instrument)



small glissando (glissando distance determined  
by the performer)



slap key AND tongue slap at the same time,  
producing pitch without blowing



multiphonic on pitch indicated (the  
dissonance/consonance of the multi-  
-phonic is to be determined by the  
performer)



flutter-tongue

the extended techniques should be interpreted “poco ad libitum”

*(1)  $\text{♩} = 50$   
molto staccato  $8\text{va}$  - |*

Sax  $\frac{10}{4}$  *mf*

*(2)*

*(3)  $8\text{va}$  - |* *mf*

*(4) air 5 | gl. 5 | slap 5 | air | multi. | fltz. 5 | slap 5 | (f)* *mf*

*(5) air 5 | slap 5 | 5 | gl. | multi. | fltz. | slap | air 5 | (f)* *mf*

*(6) multi. | gl. | multi. | air | 5 | air | 5 | air | 5 | air | 8\text{va} - | 8\text{va} - | air | fltz. | 5 | (f)* *f*

*meno et meno molto stacc.*

(7) *multi. slap* *ftz.* *air* *multi.* *gl.* *slap air slap* *mf*

(8) *mp* *ff*

(9) *ff* *mp* *(subito ff)*

(10) *ff* *gl.* *gl.* *gl.* *gl.* *gl.* *gl.* *mf*

(11) *mf* *mp* *poco multi.* *p*

(12) *non multi.* *air* *tr* *8va* *tr* *tr* *ftz.*

*p* *p* *p* *p* *p* *p*

*(to air)* *p* *mp* *p* *p* *mp* *p*

13 *flz.*  
*p*

14 *p* *mp* *p* *mf* *f* *ff* *mf* *p* *f* *(mf)*

15 *mf* *(subito ff)*

16 *ff* *f*

17 *trem. lento* → *rapido* *p* *p* *mp* *p* *trem. rapido* *trem. rapido* → *lento* *mf* *p* *p* *mp* *p*

18 *trem. lento* *p* *mf* *p* *trem. rapido* *p* *mf* *mp* *f* *trem. poco lento* *p* *f* *mp* *trem. ad lib.* → *trem. poco a poco rall. (smooth transition to 32nd notes)* *f* *p* *f* *mf* *f*

Musical score for piano, page 4, featuring six staves of music numbered 19 through 24.

**Measure 19:** Treble clef. Dynamics: *f*, *mp*, *mf*. Measure length: 16th note. Key signature: A major (no sharps or flats).

**Measure 20:** Treble clef. Dynamics: *mf*, *f*, *ff*, *f*. Measure length: 16th note. Key signature: E major (one sharp). Articulation: *8va* (octave up) indicated by a dashed line.

**Measure 21:** Treble clef. Dynamics: *f*. Articulation: *flz.* (pizzicato) indicated by a downward arrow over the first measure. Measure length: 16th note. Key signature: B-flat major (two flats).

**Measure 22:** Treble clef. Dynamics: *f*, *ff*, *f*, *mf*. Measure length: 16th note. Key signature: G major (one sharp).

**Measure 23:** Treble clef. Dynamics: *mf*, *mf*, *f*. Measure length: 16th note. Key signature: F major (one flat).

**Measure 24:** Treble clef. Dynamics: *f*. Articulation: *8va* (octave up) indicated by a dashed line. Measure length: 16th note. Key signature: C major (no sharps or flats).

(wait for computer to fade out then subito start playing)

*f >* *ff*

*8va*

*ff*

*ff* *f*

*gliss.*

*gl.* *gl.* *gl.* *multi.* *gl.* *gl.* *mf*

25

26

27

28

29

30

A musical score for piano, featuring six staves of music. The score includes measure numbers 31 through 36, dynamic markings, and performance instructions.

**Staff 31:** Measures 31-32. Dynamics: *mf*, *gl.*, *gl.*, *p*. Measure 32 starts with a fermata.

**Staff 32:** Measures 32-33. Dynamics: *f*.

**Staff 33:** Measures 33-34. Dynamics: *f*.

**Staff 34:** Measures 34-35. Dynamics: *f*, *ff*.

**Staff 35:** Measures 35-36. Dynamics: *f*, *ff*.

A musical score consisting of six staves of music for a single melodic line. The music is in common time and uses a treble clef. Measure 37 starts with two rests followed by a dynamic ***ff***. Measures 38 and 39 show eighth-note patterns with various slurs and grace notes. Measure 40 begins with a dynamic ***f***. Measure 41 starts with a dynamic ***mf***. Measure 42 starts with a dynamic ***mp***.

37

ff

38

*ff*

*f*

39

*f*

40

*f*

*mf*

41

*mf*

*mp*

42

*mp*

A musical score consisting of six staves of music for a single melodic line. The music is in common time.

**Staff 1 (Measures 43-44):** Treble clef. Dynamics: *mp* (Measure 43), *mf* (Measure 44). Measure 43 starts with a sixteenth-note figure. Measure 44 begins with a eighth-note followed by sixteenth-note pairs.

**Staff 2 (Measures 44-45):** Treble clef. Dynamics: *mf* (Measure 44). Measure 45 features eighth-note pairs followed by sixteenth-note pairs.

**Staff 3 (Measures 45-46):** Treble clef. Dynamics: *mf* (Measure 45), *f* (Measure 46). Measure 46 consists of eighth-note pairs.

**Staff 4 (Measures 46-47):** Treble clef. Dynamics: *f* (Measure 46). Measure 47 features eighth-note pairs with grace notes.

**Staff 5 (Measures 47-48):** Treble clef. Dynamics: *f* (Measure 47). Measure 48 concludes with eighth-note pairs.

Musical score for a single melodic line, likely for a woodwind instrument, spanning seven staves. The score includes dynamic markings and performance instructions.

**Staff 1 (Measures 49-50):** Treble clef. Dynamics: **f**. Measure 49: Notes on G4, A4, B4, C5, D5, E5, F5, G5. Measure 50: Notes on G4, A4, B4, C5, D5, E5, F5, G5.

**Staff 2 (Measures 51-52):** Treble clef. Dynamics: **ff**, **f**. Measure 51: Includes *8va* (octave up) instruction. Measure 52: Includes *8va* instruction.

**Staff 3 (Measure 53):** Treble clef. Dynamics: **mf**. Measure 53: Notes on G4, A4, B4, C5, D5, E5, F5, G5.

**Staff 4 (Measure 54):** Treble clef. Dynamics: **mf**, **mp**. Measure 54: Notes on G4, A4, B4, C5, D5, E5, F5, G5.

**Staff 5 (Measure 55):** Treble clef. Dynamics: **mp**, **p**. Measure 55: Notes on G4, A4, B4, C5, D5, E5, F5, G5. The score concludes with the text: **Buffalo, 2023** and *(computer fades out for approximately 30 seconds)*.