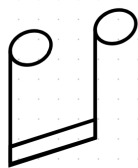


Ethereal Presence

for Cyberinet

Matthew A. Bardin

2023



MaB Music

Program Note:

It is impossible to do anything in a complete vacuum. Others affect you, you affect others. Living with this is part of the human condition.

Performance Notes:

Tempi are all generalized. The performer can perform the piece at any desired tempo. Accelerando and Rallentando should still happen at the indicated places, but the amount can vary. The goal is a uniquely paced performance; no two should be identical. The performer should experiment with the max patch to find a balance of synthesizer changes that they feel comfortable with, but in general, should have exaggerated performance movements to help with the synthesizer automation.

On Notation:

This score uses largely traditional notation. Fermatas and long rests can be held for any duration. Half rests and shorter should be played in tempo.

Double Bar lines indicate different sections of the work and do not imply a pause as the rests do.

Dashed bar lines are provided to help with counting various sections, but may be ignored by the performer if desired.

Niente markings should be performed as quietly as possible while still producing pitch.

Cyberinet Hardware:

This solo requires the use of Cyberinet hardware and software to perform. More information about this equipment can be found at matthewbardin.com

The Cyberinet hardware replaces the mouthpiece and barrel of the performer's Bb clarinet. The internal sensors collect the following performance data: gyroscope location, accelerometer speeds, airflow pressure. This data is transmitted to a nearby computer (approx. 25 feet) via bluetooth to control the software portion.

Software:

The max patch for this composition can be downloaded at matthewbardin.com/Ethereal. The above sensors collect and transmit data to control two synthesizers within the Max environment. The computer running this patch should be connected to an output speaker loud enough to match volume with the Soloist. The first synthesizer generates tones through filtered noise and pitch matching. These produce a textural background. The second produces a variety of tones through FM synthesis and Karplus Strong Synthesis. These tones are intended to accompany the soloist as a secondary voice.

Because the Performer will perform at differing tempi and styles, they will have unique movements to be picked up by the Cyberinet. This will result in an ethereal accompaniment that is unique to every performance.

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Slowly. tempo ad lib. (♩ = approx. 50–72)

Cyberinet

pp *p* *f*

ff *p* *mf*

mf *f* *ff*

mp *pp* *pp*

A

rall.

B **a tempo I**

ppp *f*

accel. **a tempo**

mp *ff* *ppp*

f *ppp*

C

ff *pp*

ppp *mp*

mf *f* *ff*

D

Section D consists of two staves of music. The first staff begins with a treble clef and a key signature of one flat (B-flat). It contains a series of eighth and quarter notes, some beamed together, with a crescendo hairpin leading to the dynamic marking *mp*. The second staff continues the melody, featuring a *rall.* (rallentando) instruction. It includes a *mp* marking, followed by a crescendo to *f*, and then a further crescendo to *ff* (fortissimo) with a decrescendo hairpin at the end.

E *a tempo*

Section E, marked *a tempo*, consists of three staves. The first staff features a series of eighth-note chords, with dynamics *ppp*, *pp*, *p*, and *mp* indicated below. The second staff begins with a *mf* (mezzo-forte) marking, followed by a decrescendo to *pppp* (pianississimo), then a crescendo to *mp*, and finally a decrescendo back to *pppp*. The third staff continues with eighth-note chords, marked with *ppp*, *p*, *mf*, and *pp* dynamics.

F*accel.*

Section F, marked *accel.* (accelerando), consists of a single staff of music. It features eighth-note chords with dynamics *mp*, *mf*, *f*, and *p sub. < f* (piano subito, then crescendo to forte) indicated below.

.....

ff sub. *p* *f* sub.

Musical staff 1: Treble clef, key signature of two flats (B-flat, E-flat). The staff contains a series of eighth and sixteenth notes, some beamed together, with dynamic markings *ff* sub., *p*, and *f* sub. A crescendo hairpin is shown below the staff.

..... **a tempo**

mf *p*

Musical staff 2: Treble clef, key signature of two flats. The staff contains a series of eighth and sixteenth notes, some beamed together, with dynamic markings *mf* and *p*. A crescendo hairpin is shown below the staff.

pp *ppp* *pppp*

G

Musical staff 3: Treble clef, key signature of two flats. The staff contains a series of eighth and sixteenth notes, some beamed together, with dynamic markings *pp*, *ppp*, and *pppp*. A box labeled **G** is placed above the staff. A crescendo hairpin is shown below the staff.

mp *pppp* *p*

Musical staff 4: Treble clef, key signature of two flats. The staff contains a series of eighth and sixteenth notes, some beamed together, with dynamic markings *mp*, *pppp*, and *p*. A crescendo hairpin is shown below the staff.

pppp *pp* *pppp*

Musical staff 5: Treble clef, key signature of two flats. The staff contains a series of eighth and sixteenth notes, some beamed together, with dynamic markings *pppp*, *pp*, and *pppp*. A crescendo hairpin is shown below the staff.

rall.....

f

H **a tempo**

mf *f* *mp*

f sub. *p* *ff*

I

mf *p*