

*Keyboard Mapping
for 53Et*

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Keyboard Mapping for 53Et

Polychromatic Notation

The score is organized into five columns, numbered 0 to 4. Each column contains a bass staff and a series of treble staves numbered 1 through 4. The notes are color-coded: pink, blue, green, yellow, and red. Above the bass staves, there are labels for ratios and MIDI notes.

Column	Ratio	Midi Mapping Notes
0	15^{mb}	7, 60, 113
1	15^{ma}	8, 61, 114
2	15^{mb}	9, 62, 115
3	15^{ma}	10, 63, 116
4	15^{mb}	11, 64, 117

Selected Ratios: $1/1$
 Midi Mapping Notes: 7 60 113 8 61 114 9 62 115 10 63 116 11 64 117

Incomplete Notation by Microtonal Inflection

5 6 7 8 9

15^{ma} 15^{ma} 15^{ma} 15^{ma} 15^{ma}

15^{mb} $16/15$ 15^{mb} $13/12$ 15^{mb} $12/11$ 15^{mb} $10/9$ 15^{mb} $9/8$

12 65 118 13 66 119 14 67 120 15 68 121 16 69 122

4

3

2

1

0

↓

2

3

4

10 11 12 13 14

15^{ma} 15^{ma} 15^{ma} 15^{ma} 15^{ma}

15^{mb} 8/7 8^{vb} 15/13 8^{vb} 7/6 8^{vb} 32/27 8^{vb} 6/5

17 70 123 18 71 124 19 72 125 20 73 126 21 74 127

4

3

2

1

0

↓

2

3

4

16 15 16 17 18 19 20

8^{vb} 11/9 8^{vb} 16/13 8^{vb} 5/4 8^{vb} 81/64 8^{vb} 9/7 8^{vb} 13/10

22 75 23 76 24 77 25 78 26 79 27 80

4 3 2 1 0 ↓ 2 3 4

The image displays a musical score for the instrument 53Et, consisting of 10 staves. The top staff is a bass clef staff with six measures numbered 21 through 26. Each measure includes a rhythmic notation (e.g., 8vb, 21/16, 4/3, 27/20, 11/8, 18/13, 7/5 45/32) and a measure number (28, 81, 29, 82, 30, 83, 31, 84, 32, 85, 33, 86). The remaining nine staves are treble clef staves, each with a number on the left (4, 3, 2, 1, 0, ↓, ∇, ∇, ∇, ∇) and musical notation. The notes are color-coded: pink (4), purple (3), blue (2), green (1), black (0), yellow (↓), orange (∇), red (∇), and light pink (∇). The notation includes various accidentals and stems.

27 28 29 30 31 32

$\frac{10}{7}$ $\frac{64}{45}$ $\frac{13}{9}$ $\frac{16}{11}$ $\frac{40}{27}$ $\frac{3}{2}$ $\frac{32}{21}$

34 87 35 88 36 89 37 90 38 91 39 92

4

3

2

1

0

↓

2

3

4

33 34 35 36 37

$\frac{20}{13}$ $\frac{14}{9}$ $\frac{128}{81}$ $\frac{8}{5}$ $\frac{13}{8}$

40 93 41 94 42 95 43 96 44 97

4 3 2 1 0 ↓ ↘ ↙ 4

38 ^{8va⁻7} 39 ^{8va⁻7} 40 ^{8va⁻7} 41 ^{8va⁻7} 42 ^{8va⁻7}

18/11 5/3 27/16 12/7 26/15

45 98 46 99 47 100 48 101 49 102

4
3
2
1
0
1
2
3
4

The image displays a musical score for the instrument 53Et, consisting of ten staves. The top staff is a bass clef staff with measures 43, 44, 45, 46, and 47. Above this staff are annotations: $8va^{-1}$ above measures 43, 44, 45, and 46, and $8va^{-1}$ above measure 47. Below the top staff are two rows of numbers: $\frac{7}{4}$ 50 103, $\frac{16}{9}$ 51 104, $\frac{9}{5}$ 52 105, $\frac{11}{6}$ 0 53 106, and $\frac{24}{13}$ 1 54 107. The notation 15^{mb} is placed below the first staff in measures 46 and 47. The remaining nine staves are treble clef staves, numbered 4 through 0 from top to bottom. Each staff contains musical notation with notes and accidentals. The notes are color-coded: pink (4th staff), purple (3rd staff), blue (2nd staff), green (1st staff), black (0th staff), yellow (7th staff), orange (6th staff), red (5th staff), and grey (4th staff). The bottom-most staff is a single treble clef staff with black notes.

15^{ma}-7 15^{ma}-7 15^{ma}-7 15^{ma}-7 15^{ma}-7

48 49 50 51 52

15^{mb}-1 15/8 15^{mb}-1 243/128 15^{mb}-1 25/13 27/14 15^{mb}-1 35/18 15^{mb}-1 160/81

2 55 108 3 56 109 4 57 110 5 58 111 6 59 112

4 3 2 1 0 ↓ 3 3 4