# Strymon Timeline Parameter Address Map

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Offset*** | ***00*** | ***01*** | ***02*** | ***03*** | ***04*** | ***05*** | ***06*** | ***07*** | ***08*** | ***09*** | ***0A*** | ***0B*** | ***0C*** | ***0D*** | ***0E*** | ***0F*** |
| 000 | START | 00 | 01 | 55 | 12 | PRESET LOCATION | | | | TYPE | TIME Pot | MIX | RPTS | FLT | GRT |  |
| 010 | SPD | DPTH |  |  |  |  |  |  |  |  | P1 | P2 | P3 | P4 | P5 | Name\* |
| 020 | P6 | EP Set\* | P7 | P8 | P9 | P10 | P11 | P11 |  |  |  | TIME-x128 | TIME-ms |  | HEEL-Pot1 | TOE-Pot1 |
| 030 | HEEL-Pot3 | TOE-Pot3 | HEEL-Pot2 | TOE-Pot2 | HEEL-Pot4 | TOE-Pot4 | HEEL-Pot5 | TOE-Pot5 |  |  | HEEL-Pot6 | TOE-Pot6 | HEEL-Pot7 | TOE-Pot7 |  |  |
| 040 | ? | ? | ? | ? |  |  |  |  | TIME4 | TIME5 |  | TIME6 |  |  |  |  |
| 050 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 270 |  |  |  |  |  |  |  |  | NAME | | | | | | | |
| 280 | NAME | | | | | | | | | | | | | | CHKSM | END |

\* Name and EP Set are always set to On (1). Therefore, their preceding parameters (Persist and EP respectively will have to add an offset increment of 2 as opposed to 1 to allow the following parameters to derive the correct offset. Common Parameters can specify a PostOffset value of 1 to account for this

# Exact Time Values and .syx Offset values (in decimal NOT hex!!)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Time (ms)*** | ***000.0A –Coarse (dependent on machine!)*** | ***020.0B (x128)*** | ***020.0C (ms)*** | ***040.08*** | ***040.09*** | ***040.0B*** |
| 2 | 0 | 0 | 2 | 0 | 0 | 0 |
| 3 | 0 | 0 | 3 | 2 | 0 | 0 |
| 4 | 0 | 0 | 4 | 4 | 0 | 0 |
| 8 | 0 | 0 | 8 | 8 | 0 | 0 |
| 16 | 0 | 0 | 16 | 12 | 0 | 0 |
| 20 | 0 | 0 | 20 | 13 | 0 | 0 |
| 32 | 0 | 0 | 32 | 16 | 0 | 0 |
| 33 | 0 | 0 | 33 | 16 | 16 | 12 |
| 40 | 0 | 0 | 40 | 17 | 0 | 12 |
| 60 | 0 | 0 | 60 | 19 | 64 | 12 |
| 61 | 0 | 0 | 61 | 19 | 80 | 12 |
| 62 | 0 | 0 | 62 | 19 | 96 | 12 |
| 63 | 0 | 0 | 63 | 19 | 112 | 12 |
| 64 | 0 | 0 | 64 | 20 | 0 | 6 |
| 65 | 1 | 0 | 65 | 20 | 8 | 6 |
| 66 | 1 | 0 | 66 | 20 | 10 | 6 |
| 67 | 1 | 0 | 67 | 20 | 18 | 6 |
| 68 | 1 | 0 | 68 | 20 | 32 | 6 |
| 69 | 1 | 0 | 69 | 20 | 40 | 6 |
| 70 | 2 | 0 | 70 | 20 | 48 | 6 |
| 71 | 2 | 0 | 71 | 20 | 56 | 6 |
| 72 | 2 | 0 | 72 | 20 | 64 | 6 |
| 73 | 2 | 0 | 73 | 20 | 72 | 6 |
| 74 | 2 | 0 | 74 | 21 | 80 | 6 |
| 100 | 8 | 0 | 100 | 22 | 32 | 6 |
| 128 | 14 | 1 | 0 | 24 | 0 | 3 |
| 200 | 28 | 1 | 72 | 26 | 32 | 3 |
| 256 | 37 | 2 | 0 | 28 | 0 | 2 |
| 300 | 42 | 2 | 44 | 28 | 88 | 2 |
| 353 | 47 | 2 | 97 | 29 | 66 | 2 |
| 384 |  | 3 | 0 |  |  | 1 |
| 400 | 52 | 3 | 16 | 30 | 32 | 1 |
| 500 |  | 3 | 116 |  |  | 1 |
| 512 |  | 4 | 0 |  |  | 1 |
| 600 |  | 4 | 78 |  |  | 1 |
| 640 |  | 5 | 0 |  |  | 1 |
| 700 |  | 5 | 60 |  |  | 1 |
| 768 |  | 6 | 0 |  |  | 1 |
| 800 | 81 | 6 | 32 | 34 | 32 | 1 |
| 896 |  | 7 | 0 |  |  | 1 |
| 900 |  | 7 | 4 |  |  | 1 |
| 938 | 88 | 7 | 42 | 35 | 42 | 1 |
| 1000 |  | 7 | 104 |  |  | 1 |
| 1024 | 92 | 8 | 0 | 36 | 0 | 0 |
| 1100 |  | 8 | 76 |  |  | 0 |
| 1152 |  | 9 | 0 |  |  | 0 |
| 1200 |  | 9 | 44 |  |  | 0 |
| 1280 |  | 10 |  |  |  | 0 |
| 1300 |  | 10 |  |  |  | 0 |
| 1400 |  | 10 |  |  |  | 0 |
| 1408 |  | 11 |  |  |  | 0 |
| 1500 |  | 11 |  |  |  | 0 |
| 1536 |  | 12 | 0 |  |  | 0 |
| 1600 | 108 | 12 | 64 | 38 | 32 | 0 |
| 1664 |  | 13 | 0 |  |  | 0 |
| 1700 |  | 13 |  |  |  | 0 |
| 1792 |  | 14 | 0 |  |  | 0 |
| 1800 |  | 14 |  |  |  | 0 |
| 1900 |  | 14 |  |  |  | 0 |
| 1920 |  | 15 | 0 |  |  | 0 |
| 2000 |  | 15 |  |  |  | 0 |
| 2048 |  | 16 | 0 |  |  | 0 |
| 2100 |  | 16 |  |  |  | 0 |
| 2176 |  | 17 | 0 |  |  | 0 |
| 2200 |  | 17 |  |  |  | 0 |
| 2300 |  | 17 |  |  |  | 0 |
| 2304 |  | 18 | 0 |  |  | 0 |
| 2400 |  | 18 |  |  |  | 0 |
| 2432 |  | 19 | 0 |  |  | 0 |
| 2500 | 127 | 19 | 68 | 40 | 113 | 0 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# The ‘Other’ Pot Value mappings – values in decimal NOT hex

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***VAL*** | ***Mix*** | ***Repeats*** | ***Filter*** | ***Grit*** | ***Speed*** | ***Depth*** |
| Min | 0 | 0 | 0 | 0 | 0 | 0 |
| 7pm | 5 | 5 | 4 | 3 | 2 | 2 |
| 8pm | 7 | 7 | 9 | 6 | 6 | 4 |
| 9pm | 17 | 17 | 18 | 18 | 15 | 15 |
| 10pm | 30 | 28 | 28 | 30 | 30 | 27 |
| 11pm | 50 | 51 | 50 | 50 | 47 | 44 |
| 12pm | 68 | 68 | 70 | 68 | 65 | 64 |
| 1pm | 86 | 84 | 88 | 86 | 86 | 86 |
| 2pm | 104 | 104 | 106 | 102 | 103 | 104 |
| 3pm | 116 | 117 | 116 | 115 | 116 | 114 |
| 4pm | 126 | 125 | 126 | 126 | 126 | 125 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***DIFF*** | ***Mix*** | ***Repeats*** | ***Filter*** | ***Grit*** | ***Speed*** | ***Depth*** |
| 7pm | 5 | 5 | 4 | 3 | 2 | 2 |
| 8pm | 2 | 2 | 5 | 3 | 4 | 2 |
| 9pm | 10 | 10 | 9 | 12 | 9 | 11 |
| 10pm | 13 | 13 | 10 | 12 | 15 | 12 |
| 11pm | 20 | 23 | 22 | 20 | 17 | 17 |
| 12pm | 18 | 17 | 18 | 18 | 18 | 20 |
| 1pm | 86 | 84 | 88 | 86 | 86 | 86 |
| 2pm | 104 | 104 | 106 | 102 | 103 | 104 |
| 3pm | 116 | 117 | 116 | 115 | 116 | 114 |
| 4pm | 126 | 125 | 126 | 126 | 126 | 125 |

Non-linear behaviour where different ‘hourly’ intervals on the pot have different value differences in the .syx file - this accounts for the editor being mismatched with the pot positions.

|  |  |  |
| --- | --- | --- |
| **Hz** | **BPM** | **Ms** |
| 0.06 | 3.6 | 16666.67 |
| 0.07 | 4.2 | 14285.71 |