CVOCD

Note Input

|  |  |  |  |
| --- | --- | --- | --- |
| **NRPN MSB** | **NRPN LSB** | **VALUE MSB** | **VALUE LSB** |
| 11(0B) = Note Input #1  12(0C)= Note Input #2  13(0D)= Note Input #3  14(0E) = Note Input #4 | 1 = Enable | 0 = OFF  1 = ON | X |
| 3 = Minimum Note | 0 | Note (0-127) |
| 4 = Maximum Note | 0 | 0 = as min note  Note (1-127) |
| 5 = Minimum Velocity | 0 | Velocity (0-127) |
| 7 = Pitch Bend Range | 0 | Range (0-127) |
| 8 = Note priority | 0 | 0 = Most recent Note  1 = Lowest Note  3 = Highest Note  6 = 2 Note Cycle  7 = 3 Note Cycle  8 = 4 Note Cycle  9 = 2 Note Chord  10(0A) = 3 Note Chord  11(0B) = 4 Note Chord |

CV Output

|  |  |  |  |
| --- | --- | --- | --- |
| **NRPN MSB** | **NRPN LSB** | **VALUE MSB** | **VALUE LSB** |
| 21(15) – CV Port A  22(16) – CV Port B  23(17) – CV Port C  24(18) – CV Port D | 1 - Source | 0 – None | X |
| 2 - MIDI CC | CC Number (0-127) |
| 4 - Pitch Bend | X |
| 5 - Channel Pressure | X |
| 11(0B) - Note Input #1  12(0C) - Note Input #2  13(0D) - Note Input #3  14(0E) - Note Input #4 | 1 – Note 1 pitch  2 – Note 2 pitch  3 – Note 3 pitch  4 – Note 4 pitch  20(14) -Last note velocity |
| 20(14) – Scaled BPM | X |
| 127(7F) - Test Voltage | X |
| 2 = Chan | 0 = Specific Channel | Channel (1-16) |
| 1 = Any/Omni | X |
| 2 = Global Channel | X |
| 14(0E) = Transpose | 0 | Transpose (0-127)  mapped to -63 to +63 semitones |
| 15(0F) = Volts | 0 | Volts (0-8) |
| 16(10) = Pitch scheme | 0 | 0 – 1V/Oct  1 – Hz/V  2 – 1.2V/Oct |
| 98(62) = Scale Correction | 0 | Correction (0-127) mapped to -63 to +63 DAC units (2mV) over full 8 octave range |
| 99(63) = Offset Correction | 0 | Correction (0-127) mapped to -63 to +63 DAC units (2mV) |

Gate Output

|  |  |  |  |
| --- | --- | --- | --- |
| **NRPN MSB** | **NRPN LSB** | **VALUE MSB** | **VALUE LSB** |
| 31(1F) = Gate 1  32(20) = Gate 2  33(21) = Gate 3  34(22) = Gate 4  35(23) = Gate 5  36(24) = Gate 6  37(25) = Gate 7  38(26) = Gate 8  39(27) = Gate 9  40(28) = Gate 10  41(29) = Gate 11  42(2A) = Gate 12 | 1 - Source | 0 = Disable | X |
| 1 = MIDI Note | Note (0-127) |
| 2 = MIDI CC > threshold  3 = MIDI CC < threshold | CC (0-127) |
| 11(0B) = Note input #1  12(0C) = Note input #2  13(0D) = Note input #3  14(0E) = Note input #4 | 0 = All notes off  1 = first note on  2 = second note on  3 = third note on  4 = fourth note on  5 = any note on |
| 20(14) = Clock Tick  22(15) = Clock Run  23(16) = Clock Start  25(17) = Clock Stop  26(18) = Clock Start/Stop | Divider (1-127) |
| 2 = Chan | 0 = Specific Channel | Channel (1-16) |
| 1 = Any/Omni | X |
| 2 = Global Channel | X |
| 3 = Minimum Note | 0 | Note (0-127) |
| 4 = Maximum Note | 0 | 0 = as min note  Note (1-127) |
| 5 = Minimum Velocity | 0 | Velocity (0-127) |
| 11(0B) = Tick offset | 0 | Lag (0-127 Ticks) |
| 12(0C) = Gate Duration | 0 = Gate | X |
| 1 = Trigger | Duration (1-127) |
| 2 = Trigger w/ Global Duration | X |
| 3 = Retrigger | X |
| 13(0D) = CC Threshold | 0 | Threshold (0-127) |

GLOBAL CONFIG

|  |  |  |  |
| --- | --- | --- | --- |
| **NRPN MSB** | **NRPN LSB** | **VALUE MSB** | **VALUE LSB** |
| 1 | 2 = Chan | 0 = Specific Channel | Channel (1-16) |
| 12(0C) = Gate Duration | 0 | Duration (1-127) |
| 100(64) = Save | 0 | 0 |