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# Tone parameters

The first 4.0x users have trouble finding the new tone parameters. Here is a complete list of them, with their menu entry (yes, the last ones have a LETTER as first 'digit'), their sysex number and their midi CC.

Check also this wiki, maintained by Dave : SuperJX PWM wiki.

The old tones are automatically converted to the new format. Old ENV1 and ENV2 become ENV3 and ENV4 since these remain ADSR. The PG800 is still supported, but several tone parameters are not accessible since the PG800 is missing buttons/sliders.

| Name | Menu | Sysex IPR | Midi CC | |
|---|---|---|---|---|
| dco1 range | 11 | 11 | 0 | |
| dco1 wf | 12 | 12 | 1 | PULS sets PWM ! |
| dco1 tune | 13 | 13 | 2 | |
| dco1 lfo | 14 | 14 | 3 | |
| dco1 lfo sel | 15 | 15 | 4 | |
| dco1 env | 16 | 16 | 5 | |
| dco1 dyna | 17 | 17 | 6 | new : used to be dco dyna |
| dco1 mode | 18 | 18 | 7 | new : used to be dco mode |
| dco2 range | 21 | 19 | 8 | |
| dco2 wf | 22 | 20 | 9 | PULS sets PWM ! |
| dco2 tune | 23 | 21 | 10 | |
| dco2 lfo | 24 | 22 | 11 | |
| dco2 lfo sel | 25 | 23 | 12 | |
| dco2 env | 26 | 24 | 13 | |
| dco2 dyna | 27 | 25 | 14 | new : use to be dco dyna |
| dco2 mode | 28 | 26 | 15 | new : use to be dco mode |
| dco xmod | 31 | 27 | 16 | |
| dco2 ftune | 32 | 28 | 17 | |
| hpf freq | 33 | 29 | 18 | |
| chorus | 34 | 30 | 19 | |

| | | | | |
|---|---|---|---|---|
| pwm1 width | 41 | 31 | 20 | new |
| pwm1 env | 42 | 32 | 21 | new |
| pwm1 lfo | 43 | 33 | 22 | new |
| pwm1 lfo sel | 44 | 34 | 23 | new |
| pwm1 dyna | 45 | 35 | 24 | new |
| pwm1 mode | 46 | 36 | 25 | new |
| pwm2 width | 51 | 37 | 26 | new |
| pwm2 env | 52 | 38 | 27 | new |
| pwm2 lfo | 53 | 39 | 28 | new |
| pwm2 lfo sel | 54 | 40 | 29 | new |
| pwm2 dyna | 55 | 41 | 30 | new |
| pwm2 mode | 56 | 42 | 31 | new |
| mix dco1 | 61 | 43 | 32 | |
| mix dco2 | 62 | 44 | 33 | |
| mix env | 63 | 45 | 34 | |
| mix dyna | 64 | 46 | 35 | |
| mix mode | 65 | 47 | 36 | |
| vcf freq | 71 | 48 | 37 | |
| vcf res | 72 | 49 | 38 | |
| vcf lfo1 | 73 | 50 | 39 | new: amount of lfo1 applied to vcf |
| vcf lfo2 | 74 | 51 | 40 | new: amount of lfo2 applied to vcf |
| vcf env | 75 | 52 | 41 | |
| vcf key | 76 | 53 | 42 | |
| vcf dyna | 77 | 54 | 43 | |
| vcf mode | 78 | 55 | 44 | |
| vca level | 81 | 56 | 45 | |
| vca mode | 82 | 57 | 46 | |

| | | | | |
|---|---|---|---|---|
| vca dyna | 83 | 58 | 47 | |
| lfo1 wf | 91 | 59 | 48 | new values available |
| lfo1 delay | 92 | 60 | 49 | |
| lfo1 rate | 93 | 61 | 50 | |
| lfo1 lfo | 94 | 62 | 51 | new: lfo2 can affect lfo1 rate |
| lfo1 sync | 95 | 63 | 52 | new: control lfo1 sync (off,on,key) |
| lfo2 wf | A1 | 64 | 53 | new |
| lfo2 delay | A2 | 65 | 54 | new |
| lfo2 rate | A3 | 66 | 55 | new |
| lfo2 lfo | A4 | 67 | 56 | new: lfo1 can affect lfo2 rate |
| lfo2 sync | A5 | 68 | 57 | new: control lfo2 sync (off,on,key) |
| env1 t1 | B1 | 69 | 58 | new |
| env1 l1 | B2 | 70 | 59 | new |
| env1 t2 | B3 | 71 | 60 | new |
| env1 l2 | B4 | 72 | 61 | new |
| env1 t3 | B5 | 73 | 62 | new |
| env1 l3 | B6 | 74 | 63 | new |
| env1 t4 | B7 | 75 | 64 | new |
| env1 key | B8 | 76 | 65 | new 0,1,2,3,L0,L1,L2,L3. L stands for loopable |
| env2 t1 | C1 | 77 | 66 | new |
| env2 l1 | C2 | 78 | 67 | new |
| env2 t2 | C3 | 79 | 68 | new |
| env2 l2 | C4 | 80 | 69 | new |
| env2 t3 | C5 | 81 | 70 | new |
| env2 l3 | C6 | 82 | 71 | new |
| env2 t4 | C7 | 83 | 72 | new |
| env2 key | C8 | 84 | 73 | new 0,1,2,3,L0,L1,L2,L3. L stands for loopable |
| env3 att | D1 | 85 | 74 | was env1 |

| | | | | |
|---|---|---|---|---|
| env3 decy | D2 | 86 | 75 | was env1 |
| env3 sust | D3 | 87 | 76 | was env1 |
| env3 rel | D4 | 88 | 77 | was env1 |
| env3 key | D5 | 89 | 78 | was env1 0,1,2,3,L0,L1,L2,L3. L stands for loopable |
| env4 att | E1 | 90 | 79 | was env2 |
| env4 decy | E2 | 91 | 80 | was env2 |
| env4 sust | E3 | 92 | 81 | was env2 |
| env4 rel | E4 | 93 | 82 | was env2 |
| env4 key | E5 | 94 | 83 | was env2 0,1,2,3,L0,L1,L2,L3. L stands for loopable |

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