

HyperSID MIDI CC NRPN Chart

Parameter name	CC	NRPN	Range	Default	Description
OSC1 - Amp env attack	17		0-15	0	
OSC1 - Amp env decay	18		0-15	0	
OSC1 - Amp env sustain	19		0-15	15	
OSC1 - Amp env release	20		0-15	0	
OSC1 - Transpose	21		0-72	36	36=center
OSC1 - Cent	22		0-100	50	50=center
OSC1 - Waveshape	16		5--12	7	{5=tri on,6=tri off,7=saw on,8=saw off,9=sqr on,10=sqr off,10=noise on,11=noise off}
OSC1 - PW		1	0-4095	2048	
OSC1 - Ring modulation	16		3,4	4	{3=ring on,4=ring off}
OSC1 - Sync (1<3)	16		1,2	2	{3=sync on,4=sync off}
OSC1 - Phase sync	16		13,14	14	{13=phase sync on,4=phase sync off}
OSC2 - Amp env attack	29		0-15	0	
OSC2 - Amp env decay	30		0-15	0	
OSC2 - Amp env sustain	31		0-15	15	
OSC2 - Amp env release	32		0-15	0	
OSC2 - Transpose	33		0-72	36	36=center
OSC2 - Cent	34		0-100	50	50=center
OSC2 - Waveshape	28		5--12	7	{5=tri on,6=tri off,7=saw on,8=saw off,9=sqr on,10=sqr off,10=noise on,11=noise off}
OSC2 - PW		2	0-4095	2048	
OSC2 - Ring modulation	28		3,4	4	{3=ring on,4=ring off}
OSC2 - Sync (1<3)	28		1,2	2	{3=sync on,4=sync off}
OSC2 - Phase sync	28		13,14	14	{13=phase sync on,4=phase sync off}
OSC3 - Amp env attack	41		0-15	0	
OSC3 - Amp env decay	42		0-15	0	
OSC3 - Amp env sustain	43		0-15	15	
OSC3 - Amp env release	44		0-15	0	
OSC3 - Transpose	45		0-72	36	36=center
OSC3 - Cent	46		0-100	50	50=center
OSC3 - Waveshape	40		5--12	7	{5=tri on,6=tri off,7=saw on,8=saw off,9=sqr on,10=sqr off,10=noise on,11=noise off}
OSC3 - PW		3	0-4095	2048	
OSC3 - Ring modulation	40		3,4	4	{3=ring on,4=ring off}
OSC3 - Sync (1<3)	40		1,2	2	{3=sync on,4=sync off}
OSC3 - Phase sync	40		13,14	14	{13=phase sync on,4=phase sync off}
Filter - Cut off		4	0-2047	1024	
Filter - Resonance	110		0-15	12	
Filter - keytrk		19	0-511	256	256=center
Filter - Veltrk		20	0-511	256	256=center
Filter - Mode (LP)	116		0-1	1	{0=LP on,1=LP off}
Filter - Mode (BP)	117		0-1	1	{0=BP on,1=BP off}
Filter - Mode (HP)	118		0-1	1	{0=HP on,1=HP off}
Filter - Mode (3OFF)	119		0-1	1	{0=3OFF on,1=3OFF off}
Filter - Routing	106		1--8		{1=osc1->filter,2=osc1->master,3=osc3->filter,4=osc2->master,5=osc3->filter,6=osc3->master,7=ex->filter,8=ex->master}
Filter - Env attack		13	1--4000	500	{1=1ms, 4000=4000ms}
Filter - Env decay		14	1--3999	0	{1=1ms, 4000=4000ms}
Filter - Env sustain	52		1-127	127	{sustain level 1=0%, 127=100%}
Filter - Env release		15	1--4000	1	{1=1ms, 3999=3999ms}

Parameter name	CC	NRPN	Range	Default	Description
Filter - Env depth		16	0-511	256	256=center
Envelope2 - Attack		9	1-4000	500	{1=1ms, 4000=4000ms}
Envelope2 - Decay		10	1-4000	0	{1=1ms, 4000=4000ms}
Envelope2 - Sustain	53		1-127	127	{sustain level 1=0%, 127=100%}
Envelope2 - Release		11	1-4000	1	{1=1ms, 4000=4000ms}
Envelope2 - Depth		12	0-511	256	256=center
Envelope2 - (PW1)	54		0,1		{0=disable, 1=enable}
Envelope2 - (PW2)	54		2,3		{2=disable, 3=enable}
Envelope2 - (PW3)	54		4,5		{4=disable, 5=enable}
Envelope2 - (OSC1)	54		6,7		{6=disable, 7=enable}
Envelope2 - (OSC2)	54		8,9		{8=disable, 9=enable}
Envelope2 - (OSC3)	54		10,11		{10=disable, 11=enable}
Envelope2 - (lfo rate)	54		12,13		{12=disable, 13=enable}
LFO - On/Off	51		0,1		{0=off, 1=on}
LFO - Retrig	51		2,3		{2=disable, 3=enable}
LFO - (PW1)	51		4,5		{4=disable, 5=enable}
LFO - (PW2)	51		6,7		{6=disable, 7=enable}
LFO - (PW3)	51		8,9		{8=disable, 9=enable}
LFO - (OSC1)	51		10,11		{10=disable, 11=enable}
LFO - (OSC2)	51		12,13		{12=disable, 13=enable}
LFO - (OSC3)	51		14,15		{14=disable, 15=enable}
LFO - Waveshape	51		16-20		{16=tri,17=sin,18=saw,19=sqr, 20=noise}
LFO - Freerun	51		21,22		{2=disable, 3=enable}
LFO - Rate (unsynced)		5	0-2999	599	{0=0.01 Hz ... 2999=30.00 Hz}
LFO - Filter depth		6	0-511	256	256=center
LFO - PW1,2,3 depth		7	0-511	256	256=center
LFO - Detune1,2,3 depth		8	0-511	256	256=center
Arpeggiator - On/Off	55				{0=off, 1=on}
Arpeggiator - Mode	55				{1=up, 2=down, 3=up/down 4=SIDish}
Arpeggiator - Range	55				{5=1 oct, 6=2 oct, 7=3 oct}
Arpeggiator - Latch	55				{8=disable, 9=enable}
Arpeggiator - Tempo		17	40-4000	120	{40-999 bpm}
Arpeggiator - Gate		18	0-4000	239	{1=1677 ms, 4000=0 ms}
Master - Volume	115		0-15	12	
Master - Voice	108		0-1		{0=monophonic, 1=polyphonic}
Master - HW unit reset	103		9		
FPB - Brightness	104		0-40	20	
FPB - Mode	103		0-4		{0=none,1=note,2=note+velocity, 3=note+cutoff,4=pitchbend}
FPB - Enable	103		5,6		{5=disable, 6=enable}
FPB - Always off	103		7,8		{7=disable, 8=enable}
OSC1 - PW range	none				{only dedicated to VSTi plugin}
OSC2 - PW range	none				{only dedicated to VSTi plugin}
OSC3 - PW range	none				{only dedicated to VSTi plugin}
Filter - Cut off range	none				{only dedicated to VSTi plugin}
Filter - Cut off curve	none				{only dedicated to VSTi plugin}
LFO - Sync	none				{only dedicated to VSTi plugin}
LFO - Rate (synced)	none				{only dedicated to VSTi plugin}
Arpeggiator - Sync	none				{only dedicated to VSTi plugin}
Arpeggiator - Speed	none				{only dedicated to VSTi plugin}