	version 1.1 21.11.2013					
	POLY	DRUM	MONO FM	XOR	SQNCR	microGranny 2
idi note	yes	yes	yes	yes	no	yes
elocity	yes	yes	no	yes	no	yes
ock	no	yes	no	yes	yes	yes
itch bend	no	no	no	yes	no	no
ustain pedal	no	no	no	yes	no	yes
ysEx	pokemon, test	test	test	pokemon, test	test	
nodWheel	no	no	no	Ifo amt	no	yes
C						
	0 preset change	preset change	preset change	preset change	preset change	preset change
-modWheel				IfoAmt		
	2					
	3 pitch sound 1	sample Rate sound 1				
	4 amt / res sound 1	stretch sound 1	S	S	S	
	5 mod / cutoff sound 1	cut sound 1	С	C	С	
	6 Ifo rate sound 1	sample sound 1	R	R	R	
	7 Ifo amt sound 1	crush sound 1	0	0	0	
	8 Ifo resolution sound 1	volume sound 1	L	L	L	
	9 attack sound 1	sample Rate sound 2	L	L	L	
•	10 sustain sound 1	stretch sound 2	D	D	D	
•	11 release sound 1	cut sound 2	0	0	0	
•	12 osc char sound 1	sample sound 2	W	W	W	
•	13 Ifo char sound 1	crush sound 2	N	N	N	
	14 adsr char sound 1	volume sound 2	↓	↓	<b>↓</b>	
•	15 pitch sound 2	sample Rate sound 3	↓	<b>↓</b>	<b>↓</b>	
•	16 amt / res sound 2	stretch sound 3	↓	↓	↓	
	17 mod / cutoff sound 2	cut sound 3	↓	↓	↓	
•	18 Ifo rate sound 2	sample sound 3	↓	<b>↓</b>	↓	
•	19 Ifo amt sound 2	crush sound 3	↓	<b>↓</b>	↓	
2	20 Ifo resolution sound 2	volume sound 3	↓	↓	↓	
2	21 attack sound 2	sample Rate sound 4				
2	sustain sound 2	stretch sound 4				
2	release sound 2	cut sound 4				
	osc char sound 2	sample sound 4				
2	25 Ifo char sound 2	crush sound 4				
2	adsr char sound 2	volume sound 4				
	pitch sound 3	sample Rate sound 5				
2	amt / res sound 3	stretch sound 5				
	29 mod / cutoff sound 3	cut sound 5				
;	30 Ifo rate sound 3	sample sound 5				
	31 Ifo amt sound 3	crush sound 5				

32	Ifo resolution sound 3	volume sound 5		
	attack sound 3	sample Rate sound 6		
	sustain sound 3	stretch sound 6		
	release sound 3	cut sound 6		
	osc char sound 3	sample sound 6		
	Ifo char sound 3	crush sound 6		
	adsr char sound 3	volume sound 6		
39	pitch sound 4			
	amt / res sound 4			
41	mod / cutoff sound 4			
42	Ifo rate sound 4			
43	Ifo amt sound 4			
44	Ifo resolution sound 4			
45	attack sound 4			
46	sustain sound 4			
47	release sound 4			
48	osc char sound 4			
49	Ifo char sound 4			
50	adsr char sound 4			
51	pitch sound 5			
52	amt / res sound 5			
53	mod / cutoff sound 5			
54	Ifo rate sound 5			
55	Ifo amt sound 5			
56	Ifo resolution sound 5			
57	attack sound 5			
58	sustain sound 5			
59	release sound 5			
	osc char sound 5			
	Ifo char sound 5			
	adsr char sound 5			
	pitch sound 6			
	reserved for future sustain pedal		sustain pedal	sustain
	amt / res sound 6			
	mod / cutoff sound 6			
	Ifo rate sound 6			
	Ifo amt sound 6			
	Ifo resolution sound 6			
	attack sound 6			
	sustain sound 6			
	release sound 6			
73	osc char sound 6			

75 addr char sound 6 76 77 78 78 79 80 81 81 82 83 84 84 85 86 87 99 90 90 91 90 91 92 93 93 94 99 99 99 99 99 99 99 99 99 99 99 99	74	Ifo char sound 6					
Transport	75	adsr char sound 6					
Transport	76						
1							
80 81 82 83 84 85 86 87 87 88 89 90 91 91 91 92 93 93 94 94 95 96 97 98 99 100 101 102 pitch soundByMidi sample Rate soundByMidi overall amount xorAmt pattem 1 sampleRate 104 105 pitch soundByMidi sample Rate soundByMidi overall amount xorAmt pattem 2 crush 105 106 flo amt soundByMidi sample SoundByMidi sample Rate soundByMidi algorithm oscChar pattem 3 attack 107 108 109 100 101 101 102 103 104 105 106 106 107 108 109 109 100 101 101 102 103 104 105 106 106 107 108 108 108 108 108 108 108 108 108 108							
82							
82	81						
83							
85							
85	84						
Record   R							
88							
88   89   89   89   89   89   89   89							
89 90 91 91 91 92 92 94 95 95 95 96 96 97 97 98 99 99 99 99 99 99 99 99 99 99 99 99							
90 91 91 92 92 94 95 95 95 95 95 95 95 95 95 95 95 95 95							
91 92 93 94 95 96 97 98 98 99 100 101 101 102 pitch soundByMidi sample Rate soundByMidi overall amount xorAmt pattern 2 crush of mod / cutoff soundByMidi sample soundByMidi algorithm oscChar pattern 3 attack life rate soundByMidi sample soundByMidi var WT apType tempo release life was and a semilar soundByMidi grain size							
92 93 94 94 95 95 95 95 96 97 97 97 98 98 99 99 99 99 99 99 99 99 99 99 99							
93 94 95 96 97 98 98 98 99 99 99 99 99 99 99 99 99 99							
94 95 96 96 97 97 98 98 99 99 90 90 90 90 90 90 90 90 90 90 90							
97							
97 98 99 100 100 101 101 102 pitch soundByMidi sample Rate soundByMidi overall amount xorAmt pattern 2 crush 104 105 106 106 107 108 109 109 109 109 109 109 109 109 109 109	95						
98 99 100 100 100 100 100 100 100 100 100	96						
99   100   101   101   102   103   104   105   1	97						
100	98						
101 pitch soundByMidi sample Rate soundByMidi carr pitch arpRate pattern 1 sampleRate 103 amt / res soundByMidi stretch soundByMidi overall amount xorAmt pattern 2 crush 104 mod / cutoff soundByMidi cut soundByMidi algorithm oscChar pattern 3 attack 105 Ifo rate soundByMidi sample soundByMidi var WT arpType tempo release 106 Ifo amt soundByMidi crush soundByMidi R mod detune Ifo Rate pattern lenght grain size	99						
pitch soundByMidi sample Rate soundByMidi carr pitch arpRate pattern 1 sampleRate  103 amt / res soundByMidi stretch soundByMidi overall amount xorAmt pattern 2 crush  104 mod / cutoff soundByMidi cut soundByMidi algorithm oscChar pattern 3 attack  105 lfo rate soundByMidi sample soundByMidi var WT arpType tempo release  106 lfo amt soundByMidi crush soundByMidi R mod detune lfo Rate pattern lenght grain size	100						
amt / res soundByMidi stretch soundByMidi overall amount xorAmt pattern 2 crush mod / cutoff soundByMidi cut soundByMidi algorithm oscChar pattern 3 attack  105 Ifo rate soundByMidi sample soundByMidi var WT arpType tempo release 106 Ifo amt soundByMidi crush soundByMidi R mod detune Ifo Rate pattern lenght grain size	101						
104mod / cutoff soundByMidicut soundByMidialgorithmoscCharpattern 3attack105Ifo rate soundByMidisample soundByMidivar WTarpTypetemporelease106Ifo amt soundByMidicrush soundByMidiR mod detuneIfo Ratepattern lenghtgrain size	102	pitch soundByMidi	sample Rate soundByMidi	carr pitch	arpRate	pattern 1	sampleRate
105Ifo rate soundByMidisample soundByMidivar WTarpTypetemporelease106Ifo amt soundByMidicrush soundByMidiR mod detuneIfo Ratepattern lenghtgrain size	103	amt / res soundByMidi	stretch soundByMidi	overall amount	xorAmt	pattern 2	crush
106 Ifo amt soundByMidi crush soundByMidi R mod detune Ifo Rate pattern lenght grain size	104	mod / cutoff soundByMidi	cut soundByMidi	algorithm	oscChar	pattern 3	attack
106 Ifo amt soundByMidi crush soundByMidi R mod detune Ifo Rate pattern lenght grain size							release
	106	Ifo amt soundByMidi		R mod detune			grain size
			volume soundByMidi	R mod amount		groove	shiftSpeed
108 attack soundByMidi pattern R mod harmonic Ifo Resolution start				R mod harmonic	Ifo Resolution		
109 sustain soundByMidi tempo R mod WT Ifo Shape end				R mod WT	Ifo Shape		end
110 release soundByMidi pattern lenght G mod detune attack				G mod detune			
111 osc char soundByMidi groove G mod amount sustain				G mod amount	sustain		
112 Ifo char soundByMidi G mod harmonic release				G mod harmonic	release		
113 adsr char soundByMidi G mod WT decay	113	adsr char soundByMidi		G mod WT	decay		
B mod detune arp ON/OFF	114			B mod detune	arp ON/OFF		
115 B mod amount	115			B mod amount			

116			B mod harmonic			
117						
			B mod WT			
118			Ifo rate			
119			Ifo amt			
120			Ifo destination/resolution			
121			Ifo shape			
122						
123						
124						
125						
126						
127	randomize soundByMidi	randomize soundByMidi	randomize soundByMidi	randomize	randomize pattern	randomize
todo						
	want to implement characters individually					
	osc WT					
	mod WT / filterType					
	fm					
	Ifo dest					
	Ifo shape					
	decay					
	adsr amt					
	adsr dest					