

**propellerhead**

# **PULSAR DUAL LFO**

## **MIDI CONTROLLER CHART**

# Pulsar MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Pulsar Parameter
0	ControlBankSelect	
1	ControlModulationWheel	
2	ControlBreathController	
3	ControlUndefined3	
4	ControlFootController	
5	ControlPortamentoTime	
6	ControlDataEntryMSB	
7	ControlChannelVolume	
8	ControlBalance	
9	ControlUndefined9	
10	ControlPan	
11	ControlExpressionController	
12	ControlEffectControl1	
13	ControlEffectControl2	
14	ControlUndefined14	
15	ControlUndefined15	
16	ControlGeneralPurpose1	
17	ControlGeneralPurpose2	
18	ControlGeneralPurpose3	
19	ControlGeneralPurpose4	
20	ControlUndefined20	
21	ControlUndefined21	
22	ControlUndefined22	
23	ControlUndefined23	
24	ControlUndefined24	
25	ControlUndefined25	LFO1 Rate Freerunning
26	ControlUndefined26	LFO1 Rate Synced
27	ControlUndefined27	LFO1 Level
28	ControlUndefined28	LFO1 Waveform Select
29	ControlUndefined29	KBD Follow
30	ControlUndefined30	LFO1 Env Sync On/Off
31	ControlUndefined31	LFO1 Tempo Sync On/Off
32	ControlSB0 (Bank select)	
33	ControlSB1 (ModWheel)	LFO1 Shuffle
34	ControlSB2 (Breath)	LFO1 Phase
35	ControlSB3 (Undefined)	LFO1 Lag
36	ControlSB4 (Foot controller)	
37	ControlSB5 (Portamento time)	
38	ControlSB6 (DataEntry LSB)	
39	ControlSB7 (Channel Volume)	
40	ControlSB8 (Balance)	
41	ControlSB9 (Undefined)	
42	ControlSB10 (Pan)	
43	ControlSB11 (Expression)	
44	ControlSB12 (Effect control 1)	
45	ControlSB13 (Effect control 2)	
46	ControlSB14 (Undefined)	
47	ControlSB15 (Undefined)	
48	ControlSB16 (General purpose 1)	
49	ControlSB17 (General purpose 2)	
50	ControlSB18 (General purpose 3)	LFO1 Env Level modulation
51	ControlSB19 (General purpose 4)	LFO1 Env Rate modulation
52	ControlSB20 (Undefined)	LFO2 Env Level modulation
53	ControlSB21 (Undefined)	LFO2 Env Rate modulation
54	ControlSB22 (Undefined)	
55	ControlSB23 (Undefined)	
56	ControlSB24 (Undefined)	
57	ControlSB25 (Undefined)	
58	ControlSB26 (Undefined)	
59	ControlSB27 (Undefined)	
60	ControlSB28 (Undefined)	
61	ControlSB29 (Undefined)	
62	ControlSB30 (Undefined)	
63	ControlSB31 (Undefined)	Env Trig
64	ControlDamperPedal (Sustain)	
65	ControlPortamentoOnOff	
66	ControlSostenuto	
67	ControlSoftPedal	
68	ControlLegatoFootSwitch	
69	ControlHold2	
70	ControlSoundController1 (Sound Variation)	
71	ControlSoundController2 (Harmonic Intensity)	
72	ControlSoundController3 (Release time)	
73	ControlSoundController4 (Attack time)	
74	ControlSoundController5 (Brightness)	
75	ControlSoundController6	
76	ControlSoundController7	
77	ControlSoundController8	
78	ControlSoundController9	
79	ControlSoundController10	
80	ControlGeneralPurposeController5	
81	ControlGeneralPurposeController6	
82	ControlGeneralPurposeController7	
83	ControlGeneralPurposeController8	
84	ControlPortamentoControl	
85	ControlUndefined85	
86	ControlUndefined86	
87	ControlUndefined87	Env Attack
88	ControlUndefined88	
89	ControlUndefined89	
90	ControlUndefined90	Env Release
91	ControlEffects1Depth	
92	ControlEffects2Depth	
93	ControlEffects3Depth	
94	ControlEffects4Depth	
95	ControlEffects5Depth	
96	ControlDataIncrement	
97	ControlDataDecrement	
98	ControlNonRegisteredParameterNumberLSB	
99	ControlNonRegisteredParameterNumberMSB	
100	ControlRegisteredParameterNumberLSB	
101	ControlRegisteredParameterNumberMSB	
102	ControlUndefined102	
103	ControlUndefined103	
104	ControlUndefined104	
105	ControlUndefined105	
106	ControlUndefined106	Sync LFO1 to LFO 2 On/Off
107	ControlUndefined107	LFO2 Rate Synced
108	ControlUndefined108	LFO2 Phase
109	ControlUndefined109	LFO2 Tempo Sync On/Off
110	ControlUndefined110	LFO2 Rate Freerunning
111	ControlUndefined111	LFO2 Level
112	ControlUndefined112	LFO2 Shuffle
113	ControlUndefined113	LFO2 Lag
114	ControlUndefined114	LFO2 Env Trig On/Off
115	ControlUndefined115	LFO2 to LFO1 Rate modulation
116	ControlUndefined116	LFO2 to LFO1 Level modulation
117	ControlUndefined117	LFO2 On/Off
118	ControlUndefined118	LFO2 Waveform Select
119	ControlUndefined119	
120	ControlReservedForChannelModeMessages120	
121	ControlReservedForChannelModeMessages121	
122	ControlReservedForChannelModeMessages122	
123	ControlReservedForChannelModeMessages123	
124	ControlReservedForChannelModeMessages124	
125	ControlReservedForChannelModeMessages125	
126	ControlReservedForChannelModeMessages126	
127	ControlReservedForChannelModeMessages127	