

**propellerhead**

# **POLAR DUAL PITCH SHIFTER**

## **MIDI CONTROLLER CHART**

# Polar MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Polar 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	Envelope Sustain level
13	ControlEffectControl2	Shifter 1 Feedback
14	ControlUndefined14	Shifter 1 Volume
15	ControlUndefined15	Shifter 2 Volume
16	ControlGeneralPurpose1	Dry Level
17	ControlGeneralPurpose2	Envelope Decay time
18	ControlGeneralPurpose3	Filter Envelope modulation amount
19	ControlGeneralPurpose4	Shifter 2 Feedback
20	ControlUndefined20	
21	ControlUndefined21	
22	ControlUndefined22	Shifter 1 Shift
23	ControlUndefined23	Shifter 1 Fine
24	ControlUndefined24	Shifter 1 Env modulation amount
25	ControlUndefined25	LFO Rate (FreeRunning)
26	ControlUndefined26	LFO Rate (Synced)
27	ControlUndefined27	Shifter 1 LFO modulation amount
28	ControlUndefined28	LFO Waveform select
29	ControlUndefined29	Auto Pan Rate
30	ControlUndefined30	Shifter 1 Auto Pan amount
31	ControlUndefined31	Shifter 2 Env modulation amount
32	ControlSB0 (Bank select)	Dry Auto Pan Amount
33	ControlSB1 (ModWheel)	
34	ControlSB2 (Breath)	LFO Phase
35	ControlSB3 (Undefined)	Sum L+R On/Off
36	ControlSB4 (Foot controller)	Slow/Med/Fast (Analysis Type)
37	ControlSB5 (Portamento time)	Smooth/Classic/Loop/Rev Loop (Algorithm Type)
38	ControlSB6 (DataEntry LSB)	Keyboard Input On/Off
39	ControlSB7 (Channel Volume)	LFO Tempo Sync On/Off
40	ControlSB8 (Balance)	
41	ControlSB9 (Undefined)	Shifter 2 On/Off
42	ControlSB10 (Pan)	
43	ControlSB11 (Expression)	
44	ControlSB12 (Effect control 1)	Envelope Gate
45	ControlSB13 (Effect control 2)	Env To Amp On/Off
46	ControlSB14 (Undefined)	
47	ControlSB15 (Undefined)	
48	ControlSB16 (General purpose 1)	
49	ControlSB17 (General purpose 2)	
50	ControlSB18 (General purpose 3)	
51	ControlSB19 (General purpose 4)	
52	ControlSB20 (Undefined)	
53	ControlSB21 (Undefined)	
54	ControlSB22 (Undefined)	Dry On/Off
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)	
64	ControlDamperPedal (Sustain)	
65	ControlPortamentoOnOff	
66	ControlSostenuto	Filter LFO modulation amount
67	ControlSoftPedal	
68	ControlLegatoFootSwitch	
69	ControlHold2	
70	ControlSoundController1 (Sound Variation)	
71	ControlSoundController2 (Harmonic Intensity)	Filter Resonance
72	ControlSoundController3 (Release time)	Envelope Release time
73	ControlSoundController4 (Attack time)	Envelope Attack time
74	ControlSoundController5 (Brightness)	Filter Frequency
75	ControlSoundController6	Filter On/Off
76	ControlSoundController7	Filter Type selector
77	ControlSoundController8	Filter KBD tracking
78	ControlSoundController9	
79	ControlSoundController10	Delay Buffer Env modulation amount
80	ControlGeneralPurposeController5	
81	ControlGeneralPurposeController6	
82	ControlGeneralPurposeController7	Shifter 1 Pan
83	ControlGeneralPurposeController8	Shifter 2 Pan
84	ControlPortamentoControl	Dry Pan
85	ControlUndefined85	Shifter 2 Auto Pan
86	ControlUndefined86	
87	ControlUndefined87	
88	ControlUndefined88	
89	ControlUndefined89	
90	ControlUndefined90	Shifter 2 Delay
91	ControlEffects1Depth	Dry Delay
92	ControlEffects2Depth	Lock Buffer
93	ControlEffects3Depth	Loop Length
94	ControlEffects4Depth	
95	ControlEffects5Depth	
96	ControlDataIncrement	
97	ControlDataDecrement	
98	ControlNonRegisteredParameterNumberLSB	
99	ControlNonRegisteredParameterNumberMSB	
100	ControlRegisteredParameterNumberLSB	
101	ControlRegisteredParameterNumberMSB	
102	ControlUndefined102	
103	ControlUndefined103	Shifter 2 Shift
104	ControlUndefined104	Shifter 2 Fine
105	ControlUndefined105	
106	ControlUndefined106	
107	ControlUndefined107	
108	ControlUndefined108	
109	ControlUndefined109	
110	ControlUndefined110	
111	ControlUndefined111	Shifter 2 LFO modulation amount
112	ControlUndefined112	Delay Buffer LFO modulation amount
113	ControlUndefined113	Delay/Buffer Position
114	ControlUndefined114	Delay/Buffer Delay Mode (4X button)
115	ControlUndefined115	
116	ControlUndefined116	
117	ControlUndefined117	
118	ControlUndefined118	
119	ControlUndefined119	
120	ControlReservedForChannelModeMessages120	
121	ControlReservedForChannelModeMessages121	
122	ControlReservedForChannelModeMessages122	
123	ControlReservedForChannelModeMessages123	
124	ControlReservedForChannelModeMessages124	
125	ControlReservedForChannelModeMessages125	
126	ControlReservedForChannelModeMessages126	
127	ControlReservedForChannelModeMessages127	