








Control change list

Control Change	Explanation
1	Modulation Wheel
3	LFO RATE (LFO [RATE] knob)
5	PORTAMENTO TIME ([SHIFT] button + [PORTA TIME] pad)

MIDI implementation chart

Control Change	Explanation
10	Pan
11	Expression Pedal
12	LFO WAVE FORM (LFO [WAVE FORM] knob)
13	OSC LFO (OSCILLATOR [LFO] knob)
14	OSC RANGE (OSCILLATOR [RANGE] knob)
15	OSC PULSE WIDTH ([SHIFT] button + [PWM DEPTH] pad) ([SHIFT] + OSCILLATOR  knob)
16	OSC PWM SOURCE ([SHIFT] button + [PWM SRC] pad)
17	LFO MODULATION DEPTH ([SHIFT] button + pad [15] (MENU): LFO Modulation Depth)
18	OSC BEND SENS ([SHIFT] button + pad [15] (MENU): Oscillator Bend Sens)
19	OSC  LEVEL (OSCILLATOR  knob)
20	OSC  LEVEL (OSCILLATOR  knob)
21	OSC SUB OSC LEVEL (OSCILLATOR [SUB] knob)
22	OSC SUB OCT TYPE ([SHIFT] button + [SUB OCT] pad)
23	OSC NOISE LEVEL (OSCILLATOR [NOISE] knob)
24	FILTER ENVELOPE (FILTER [ENV] knob)
25	FILTER LFO (FILTER [LFO] knob)
26	FILTER KEYBOARD FOLLOW ([SHIFT] button + pad [7] (FILTER KYBD) pad) ([SHIFT] button + FILTER [ENV] knob)
27	FILTER BEND SENS ([SHIFT] button + pad [15] (MENU): Filter Bend Sens)
28	AMP ENVELOPE MODE SW ([SHIFT] button + [AMP] pad)
29	ENV TRIGGER MODE ([SHIFT] button + [ENV TRG] pad)
30	ENV SUSTAIN (ENV [SUSTAIN] knob)
31	PORTAMENTO MODE ([SHIFT] button + [PORTA ON] pad)
64	Damper Pedal
65	PORTAMENTO
71	FILTER RESONANCE (FILTER [RESO] knob)
72	ENV RELEASE (ENV [RELEASE] knob)
73	ENV ATTACK (ENV [ATTACK] knob)
74	FILTER FREQUENCY (FILTER [FREQ] knob)
75	ENV DECAY (ENV [DECAY] knob)
76	FINE TUNE ([SHIFT] + OSCILLATOR [RANGE] knob)
77	TRANPOSE SW ([SHIFT] button + [STEP] (KEY TRANPOSE) button)
78	NOISE MODE ([SHIFT] button + pad [15] (MENU): Noise Mode) ([SHIFT] + OSCILLATOR [NOISE] knob)
79	LFO MODE ([SHIFT] button + pad [15] (MENU): LFO Mode) ([SHIFT] + LFO [RATE] knob)
80	POLY MODE ([SHIFT] button + [POLY] pad: Poly Mode)
81	CHORD VOICE 2 SW ([SHIFT] button + [POLY] pad: Voice 2 SW)
82	CHORD VOICE 3 SW ([SHIFT] button + [POLY] pad: Voice 3 SW)
83	CHORD VOICE 4 SW ([SHIFT] button + [POLY] pad: Voice 4 SW)
85	CHORD VOICE 2 KEY SHIFT ([SHIFT] button + [POLY] pad: Voice 2 Key Shift)
86	CHORD VOICE 3 KEY SHIFT ([SHIFT] button + [POLY] pad: Voice 3 Key Shift)
87	CHORD VOICE 4 KEY SHIFT ([SHIFT] button + [POLY] pad: Voice 4 Key Shift)
89	REVERB TIME ([SHIFT] + [REVERB] knob)
90	DELAY TIME ([SHIFT] + [DELAY] knob)
91	REVERB LEVEL ([REVERB] knob)
92	DELAY LEVEL ([DELAY] knob)
93	CHORUS ([SHIFT] button + pad [15] (MENU): Chorus)
102	OSC DRAW MULTIPLY ([SHIFT] button + pad [5] (OSC DRAW): MULTIPLY) ([SHIFT] + OSCILLATOR  knob)
103	OSC CHOP OVERTONE ([SHIFT] button + pad [6] (OSC CHOP): OVERTONE) ([SHIFT] + OSCILLATOR [LFO] knob)
104	OSC CHOP COMB ([SHIFT] button + pad [6] (OSC CHOP): COMB) ([SHIFT] + OSCILLATOR [SUB] knob)
105	LFO KEY TRIGGER ([SHIFT] button + pad [15] (MENU): LFO Key Trigger)
106	LFO SYNC ([SHIFT] button + [MENU] pad: LFO Sync) ([SHIFT] + LFO [WAVE FORM] knob) (Ver.1.02)
107	OSC DRAW SW ([SHIFT] button + pad [5] (OSC DRAW): SW) ([SHIFT] + OSCILLATOR  knob)