

CC #	Pad #	One-Shot	Loops	Slicer Parameter	Shredder	Granular	Wavetable	Multisample	General MIDI Mapping
0									Bank select
1	Global			Mod Wheel Modulation Source					Mod Wheel
2	1	Filter							Breath Controller
3	1	Pad Level		Overdrive		Env 2 Attack	Overdrive		undef
4	2	Filter							Foot Controller
5	3	Filter							Portamento Time
6	Track			Mute Track					Data Entry MSB
7	Track			Track Level					Channel volume (formerly Main Volume)
8	4	Filter							Balance
9	2	Pad Level				Env 2 Decay			undef
10	Track			Track Pan					Pan
11	5	Filter							Expression controller
12	Track			LFO Depth		LFO 1 Depth	LFO Depth		Effect Control 1
13	Track			LFO Rate		LFO 1 Rate	LFO Rate		Effect Control 2
14	3	Pad Level				Env 2 Release			Undef
15	4	Pad Level				LFO 2 Depth			Undef
16	5	Pad Level				LFO 2 Rate			General Purpose controller 1
17	6	Pad Level				Filter 2 Cutoff/Center			General Purpose controller 2
18	7	Pad Level				Filter 2 Resonance/Width			General Purpose controller 3
19	8	Pad Level				GR1 Level	WT1 Level		General Purpose controller 4
20	9	Pad Level				GR1 Pitch	WT1 Pitch		undef
21	10	Pad Level			Track Density	GR1 Density	WT1 Position		undef
22	11	Pad Level				GR1 Rate			undef
23	12	Pad Level			Track Grain Size	GR1 Grain Size			undef
24	13	Pad Level			Track Window	GR1 Window			undef
25	14	Pad Level			Track Jitter	GR1 Jitter			undef
26	15	Pad Level				GR1 Play Pos			undef
27	16	Pad Level			Track Grain Speed	GR1 Speed			undef
28	1	Pad Pitch				GR2 Level	WT2 Level		undef
29	2	Pad Pitch				GR2 Pitch	WT2 Pitch		undef
30	3	Pad Pitch				GR2 Density	WT2 Position		undef
31	4	Pad Pitch				GR2 Rate			undef
32									LSB for control 0 (Bank Select)
33									LSB for Control 1 (Mod Wheel)
34	6	Filter							LSB for Control 2 (Breath Controller)
35	5	Pad Pitch				GR2 Grain Size			LSB for Control 3 (Undef)
36	7	Filter							LSB for Control 4 (Foot Controller)
37	8	Filter							LSB for Control 5 (Portamento Time)
38	Track			Solo (future)					LSB for Control 6 (Data Entry)
39	9	Filter							LSB for Control 7 (Channel Volume, formerly Main Volume)
40	10	Filter							LSB for Control 8 (Balance)
41	6	Pad Pitch				GR2 Window			LSB for Control 9 (Undef)

CC #	Pad #	One-Shot	Loops	Slicer Parameter	Shredder	Granular	Wavetable	Multisample	General MIDI Mapping
42	11	Filter							LSB for Control 10 (Pan)
43	12	Filter							LSB for Control 11 (Expression Controller)
44	13	Filter							LSB for Control 12 (effect control 1)
45	14	Filter							LSB for Control 13 (Effect control 2)
46	7	Pad Pitch				GR2 Jitter			LSB for Control 14 (Undef)
47	8	Pad Pitch				GR2 Play Pos			LSB for Control 15 (Undef)
48	9	Pad Pitch				GR2 Speed			LSB for Control 16 (General Purpose Controller 1)
49	10	Pad Pitch				Osc Level	Osc Level		LSB for Control 17 (General Purpose Controller 2)
50	11	Pad Pitch				Osc Pitch	Osc Pitch		LSB for Control 18 (General Purpose Controller 3)
51	12	Pad Pitch				Osc Pulse Width	Osc Pulse Width		LSB for Control 19 (General Purpose Controller 4)
52	13	Pad Pitch				GR1 Live Pos			LSB for Control 20 (Undef)
53	14	Pad Pitch				GR2 Live Pos			LSB for Control 21 (Undef)
54	15	Pad Pitch							LSB for Control 22 (Undef)
55	16	Pad Pitch							LSB for Control 23 (Undef)
56	1	Delay Send							LSB for Control 24 (Undef)
57	2	Delay Send							LSB for Control 25 (Undef)
58	3	Delay Send							LSB for Control 26 (Undef)
59	4	Delay Send							LSB for Control 27 (Undef)
60	5	Delay Send							LSB for Control 28 (Undef)
61	6	Delay Send							LSB for Control 29 (Undef)
62	7	Delay Send							LSB for Control 30 (Undef)
63	8	Delay Send							LSB for Control 31 (Undef)
64	Track	Sustain Pedal (on/off)				Sustain Pedal (on/off)			Damper Pedal on/off (Sustain)
65	15	Filter							Portamento On/Off
66	16	Filter							Sostenuto On/Off
67	1	Resonance							Soft Pedal On/Off
68	2	Resonance							Legato Footswitch
69	3	Resonance							Hold 2
70	4	Resonance							Sound Controller 1 (Default: Sound Variation)
71	Track			Resonance					Sound Controller 2 (Default: Timbre/Harmonic Intens.)
72	Track			Release					Sound Controller 3 (Default: Release time)
73	Track			Attack					Sound Controller 4 (Default: Attack Time)
74	Track			Frequency Cutoff (filter)					Sound Controller 5 (Default: Brightness)
75	Track			Decay Time					Sound Controller 6 (Default: Decay Time)
76	5	Resonance							Sound Controller 7 (Default: Vibrato Rate)
77	6	Resonance							Sound Controller 8 (default: Vibrato Depth)
78	7	Resonance							Sound Controller 9 (default: Vibrato Delay)
79	8	Resonance							Sound Controller 10 (default undefined)
80	9	Resonance							General Purpose Controller 5/ Generic On/Off switch
81	10	Resonance							General Purpose Controller 6/ Generic On/Off switch

CC #	Pad #	One-Shot	Loops	Slicer Parameter	Shredder	Granular	Wavetable	Multisample	General MIDI Mapping
82	11	Resonance							General Purpose Controller 7/ Generic On/Off switch
83	12	Resonance							General Purpose Controller 8/ Generic On/Off switch
84	13	Resonance							Portamento Control
85	9	Delay Send							undef
86	10	Delay Send							undef
87	11	Delay Send							undef
88	12	Delay Send							undef
89	13	Delay Send							undef
90	14	Delay Send							undef
91	Track	Reverb Send							Effects 1 Depth (default: Reverb Send Level)
92	Track	Delay Send							Effects 2 Depth (formerly Tremolo Depth)
93	14	Resonance							Effects 3 Depth(default: Chorus Send Level)
94	Track			Pitch				Pitch	Effects 4 Depth (formerly Celeste [Detune] Depth)
95	15	Resonance							Effects 5 Depth (formerly Phaser Depth)
96	16	Resonance							Data Increment (Data Entry +1)
97									Data Decrement (Data Entry -1)
98									Non-Registered Parameter Number (NRPN) – LSB
99									Non-Registered Parameter Number (NRPN) – MSB
100									Registered Parameter Number (RPN) – LSB*
101									Registered Parameter Number (RPN) – MSB*
102	15	Delay Send							undef
103	16	Delay Send							undef
104	1	Reverb Send							undef
105	2	Reverb Send							undef
106	3	Reverb Send							undef
107	4	Reverb Send							undef
108	5	Reverb Send							undef
109	6	Reverb Send							undef
110	7	Reverb Send							undef
111	8	Reverb Send							undef
112	9	Reverb Send							undef
113	10	Reverb Send							undef
114	11	Reverb Send							undef
115	12	Reverb Send							undef
116	13	Reverb Send							undef
117	14	Reverb Send							undef
118	15	Reverb Send							undef
119	16	Reverb Send							undef
120									Mute/ All Sound Off
121									

CC #	Pad #	One-Shot	Loops	Slicer Parameter	Shredder	Granular	Wavetable	Multisample	General MIDI Mapping
122									
123									All Notes off
124									
125									
126									Mono Operation
127									Poly Mode

Blackbox 2 MIDI CC Mapping by Feature

Track Type	Context or Pad #	Parameter	MIDI CC
Multisample	Track	Level	7
Multisample	Track	Pitch	94
Multisample	Track	Pan	10
Multisample	Track	Attack	73
Multisample	Track	Decay	75
Multisample	Track	Release	72
Multisample	Track	Filter Cutoff	74
Multisample	Track	Filter Resonance	71
Multisample	Track	Reverb Send	91
Multisample	Track	Delay Send	92
Multisample	Track	Sustain	64
Multisample	Track	Mute	6
Multisample	Track	Solo (future)	38
Multisample	Track	LFO Depth	12
Multisample	Track	LFO Rate	13
Multisample	Track	Overdrive	3
Granular	Track	Level	7
Granular	Track	Pan	10
Granular	Track	Env 1 Attack	73
Granular	Track	Env 1 Decay	75
Granular	Track	Env 1 Release	72
Granular	Track	Filter 1 Cutoff/Center	74
Granular	Track	Filter 1 Resonance/Width	71
Granular	Track	Reverb Send	91
Granular	Track	Delay Send	92
Granular	Track	Sustain	64
Granular	Track	Mute	6
Granular	Track	Solo (future)	38
Granular	Track	LFO 1 Depth	12
Granular	Track	LFO 1 Rate	13
Granular	Track	Env 2 Attack	3
Granular	Track	Env 2 Decay	9
Granular	Track	Env 2 Release	14
Granular	Track	LFO 2 Depth	15
Granular	Track	LFO 2 Rate	16
Granular	Track	Filter 2 Cutoff/Center	17
Granular	Track	Filter 2 Resonance/Width	18
Granular	GR1	Level	19
Granular	GR1	Pitch	20
Granular	GR1	Density	21
Granular	GR1	Rate	22
Granular	GR1	Grain Size	23
Granular	GR1	Window	24
Granular	GR1	Jitter	25
Granular	GR1	Play Pos	26
Granular	GR1	Speed	27

Track Type	Context or Pad #	Parameter	MIDI CC
Granular	GR2	Level	28
Granular	GR2	Pitch	29
Granular	GR2	Density	30
Granular	GR2	Rate	31
Granular	GR2	Grain Size	35
Granular	GR2	Window	41
Granular	GR2	Jitter	46
Granular	GR2	Play Pos	47
Granular	GR2	Speed	48
Granular	Osc	Level	49
Granular	Osc	Pitch	50
Granular	Osc	Pulse Width	51
Granular	GR1	Live Pos	52
Granular	GR2	Live Pos	53
Wavetable	Track	Level	7
Wavetable	Track	Pan	10
Wavetable	Track	Env 1 Attack	73
Wavetable	Track	Env 1 Decay	75
Wavetable	Track	Env 1 Release	72
Wavetable	Track	Filter 1 Cutoff/Center	74
Wavetable	Track	Filter 1 Resonance/Width	71
Wavetable	Track	Reverb Send	91
Wavetable	Track	Delay Send	92
Wavetable	Track	Sustain	64
Wavetable	Track	Mute	6
Wavetable	Track	Solo (future)	38
Wavetable	Track	LFO 1 Depth	12
Wavetable	Track	LFO 1 Rate	13
Wavetable	Track	Env 2 Attack	3
Wavetable	Track	Env 2 Decay	9
Wavetable	Track	Env 2 Release	14
Wavetable	Track	LFO 2 Depth	15
Wavetable	Track	LFO 2 Rate	16
Wavetable	Track	Filter 2 Cutoff/Center	17
Wavetable	Track	Filter 2 Resonance/Width	18
Wavetable	WT1	Level	19
Wavetable	WT1	Pitch	20
Wavetable	WT1	WT Position	21
Wavetable	WT2	Level	28
Wavetable	WT2	Pitch	29
Wavetable	WT2	WT Position	30
Wavetable	Osc	Level	49
Wavetable	Osc	Pitch	50
Wavetable	Osc	Pulse Width	51
Shredder	Track	Level	7
Shredder	Track	Pitch	94

Blackbox 2 MIDI CC Mapping by Feature

Track Type	Context or Pad #	Parameter	MIDI CC
Shredder	Track	Pan	10
Shredder	Track	Attack	73
Shredder	Track	Decay	75
Shredder	Track	Release	72
Shredder	Track	Filter Cutoff	74
Shredder	Track	Filter Resonance	71
Shredder	Track	Reverb Send	91
Shredder	Track	Delay Send	92
Shredder	Track	Mute	6
Shredder	Track	Solo (future)	38
Shredder	Track	LFO Depth	12
Shredder	Track	LFO Rate	13
Shredder	Track	Density	21
Shredder	Track	Grain Size	23
Shredder	Track	Window	24
Shredder	Track	Jitter	25
Shredder	Track	Speed	27
Slicer	Track	Level	7
Slicer	Track	Pitch	94
Slicer	Track	Pan	10
Slicer	Track	Attack	73
Slicer	Track	Decay	75
Slicer	Track	Release	72
Slicer	Track	Filter Cutoff	74
Slicer	Track	Filter Resonance	71
Slicer	Track	Reverb Send	91
Slicer	Track	Delay Send	92
Slicer	Track	Mute	6
Slicer	Track	Solo (future)	38
Slicer	Track	LFO Depth	12
Slicer	Track	LFO Rate	13
Slicer	Track	Overdrive	3
One Shots	Track	Level	7
One Shots	Track	Pan	10
One Shots	Track	Reverb Send	91
One Shots	Track	Delay Send	92
One Shots	Track	Sustain	64
One Shots	Track	Mute	6
One Shots	Track	Solo (future)	38
One Shots	1	Pad Level	3
One Shots	2	Pad Level	9
One Shots	3	Pad Level	14
One Shots	4	Pad Level	15
One Shots	5	Pad Level	16
One Shots	6	Pad Level	17
One Shots	7	Pad Level	18

Track Type	Context or Pad #	Parameter	MIDI CC
One Shots	8	Pad Level	19
One Shots	9	Pad Level	20
One Shots	10	Pad Level	21
One Shots	11	Pad Level	22
One Shots	12	Pad Level	23
One Shots	13	Pad Level	24
One Shots	14	Pad Level	25
One Shots	15	Pad Level	26
One Shots	16	Pad Level	27
One Shots	1	Pad Pitch	28
One Shots	2	Pad Pitch	29
One Shots	3	Pad Pitch	30
One Shots	4	Pad Pitch	31
One Shots	5	Pad Pitch	35
One Shots	6	Pad Pitch	41
One Shots	7	Pad Pitch	46
One Shots	8	Pad Pitch	47
One Shots	9	Pad Pitch	48
One Shots	10	Pad Pitch	49
One Shots	11	Pad Pitch	50
One Shots	12	Pad Pitch	51
One Shots	13	Pad Pitch	52
One Shots	14	Pad Pitch	53
One Shots	15	Pad Pitch	54
One Shots	16	Pad Pitch	55
One Shots	1	Delay Send	56
One Shots	2	Delay Send	57
One Shots	3	Delay Send	58
One Shots	4	Delay Send	59
One Shots	5	Delay Send	60
One Shots	6	Delay Send	61
One Shots	7	Delay Send	62
One Shots	8	Delay Send	63
One Shots	9	Delay Send	85
One Shots	10	Delay Send	86
One Shots	11	Delay Send	87
One Shots	12	Delay Send	88
One Shots	13	Delay Send	89
One Shots	14	Delay Send	90
One Shots	15	Delay Send	102
One Shots	16	Delay Send	103
One Shots	1	Reverb Send	104
One Shots	2	Reverb Send	105
One Shots	3	Reverb Send	106
One Shots	4	Reverb Send	107
One Shots	5	Reverb Send	108

Track Type	Context or Pad #	Parameter	MIDI CC
One Shots	6	Reverb Send	109
One Shots	7	Reverb Send	110
One Shots	8	Reverb Send	111
One Shots	9	Reverb Send	112
One Shots	10	Reverb Send	113
One Shots	11	Reverb Send	114
One Shots	12	Reverb Send	115
One Shots	13	Reverb Send	116
One Shots	14	Reverb Send	117
One Shots	15	Reverb Send	118
One Shots	16	Reverb Send	119
One Shots	1	Filter	2
One Shots	2	Filter	4
One Shots	3	Filter	5
One Shots	4	Filter	8
One Shots	5	Filter	11
One Shots	6	Filter	34
One Shots	7	Filter	36
One Shots	8	Filter	37
One Shots	9	Filter	39
One Shots	10	Filter	40
One Shots	11	Filter	42
One Shots	12	Filter	43
One Shots	13	Filter	44
One Shots	14	Filter	45
One Shots	15	Filter	65
One Shots	16	Filter	66
One Shots	1	Resonance	67
One Shots	2	Resonance	68
One Shots	3	Resonance	69
One Shots	4	Resonance	70
One Shots	5	Resonance	76
One Shots	6	Resonance	77
One Shots	7	Resonance	78
One Shots	8	Resonance	79
One Shots	9	Resonance	80
One Shots	10	Resonance	81
One Shots	11	Resonance	82
One Shots	12	Resonance	83
One Shots	13	Resonance	84
One Shots	14	Resonance	93
One Shots	15	Resonance	95
One Shots	16	Resonance	96
Loops	Track	Level	7
Loops	Track	Pan	10
Loops	Track	Reverb Send	91

Blackbox 2 MIDI CC Mapping by Feature

Track Type	Context or Pad #	Parameter	MIDI CC
Loops	Track	Delay Send	92
Loops	Track	Mute	6
Loops	Track	Solo (future)	38
Loops	1	Pad Level	3
Loops	2	Pad Level	9
Loops	3	Pad Level	14
Loops	4	Pad Level	15
Loops	5	Pad Level	16
Loops	6	Pad Level	17
Loops	7	Pad Level	18
Loops	8	Pad Level	19
Loops	9	Pad Level	20
Loops	10	Pad Level	21
Loops	11	Pad Level	22
Loops	12	Pad Level	23
Loops	13	Pad Level	24
Loops	14	Pad Level	25
Loops	15	Pad Level	26
Loops	16	Pad Level	27
Loops	1	Pad Pitch	28
Loops	2	Pad Pitch	29
Loops	3	Pad Pitch	30
Loops	4	Pad Pitch	31
Loops	5	Pad Pitch	35
Loops	6	Pad Pitch	41
Loops	7	Pad Pitch	46
Loops	8	Pad Pitch	47
Loops	9	Pad Pitch	48
Loops	10	Pad Pitch	49
Loops	11	Pad Pitch	50
Loops	12	Pad Pitch	51
Loops	13	Pad Pitch	52
Loops	14	Pad Pitch	53
Loops	15	Pad Pitch	54
Loops	16	Pad Pitch	55
Loops	1	Delay Send	56
Loops	2	Delay Send	57
Loops	3	Delay Send	58
Loops	4	Delay Send	59
Loops	5	Delay Send	60
Loops	6	Delay Send	61
Loops	7	Delay Send	62
Loops	8	Delay Send	63
Loops	9	Delay Send	85
Loops	10	Delay Send	86
Loops	11	Delay Send	87

Blackbox 2 MIDI CC Mapping by Feature

Track Type	Context or Pad #	Parameter	MIDI CC
Loops	12	Delay Send	88
Loops	13	Delay Send	89
Loops	14	Delay Send	90
Loops	15	Delay Send	102
Loops	16	Delay Send	103
Loops	1	Reverb Send	104
Loops	2	Reverb Send	105
Loops	3	Reverb Send	106
Loops	4	Reverb Send	107
Loops	5	Reverb Send	108
Loops	6	Reverb Send	109
Loops	7	Reverb Send	110
Loops	8	Reverb Send	111
Loops	9	Reverb Send	112
Loops	10	Reverb Send	113
Loops	11	Reverb Send	114
Loops	12	Reverb Send	115
Loops	13	Reverb Send	116
Loops	14	Reverb Send	117
Loops	15	Reverb Send	118
Loops	16	Reverb Send	119
Loops	1	Filter	2
Loops	2	Filter	4
Loops	3	Filter	5
Loops	4	Filter	8
Loops	5	Filter	11
Loops	6	Filter	34
Loops	7	Filter	36
Loops	8	Filter	37
Loops	9	Filter	39
Loops	10	Filter	40
Loops	11	Filter	42
Loops	12	Filter	43
Loops	13	Filter	44
Loops	14	Filter	45
Loops	15	Filter	65
Loops	16	Filter	66
Loops	1	Resonance	67
Loops	2	Resonance	68
Loops	3	Resonance	69
Loops	4	Resonance	70
Loops	5	Resonance	76
Loops	6	Resonance	77
Loops	7	Resonance	78
Loops	8	Resonance	79
Loops	9	Resonance	80

Blackbox 2 MIDI CC Mapping by Feature

Track Type	Context or Pad #	Parameter	MIDI CC
Loops	10	Resonance	81
Loops	11	Resonance	82
Loops	12	Resonance	83
Loops	13	Resonance	84
Loops	14	Resonance	93
Loops	15	Resonance	95
Loops	16	Resonance	96
External	Track	Level	7
External	Track	Pan	10
External	Track	Reverb Send	91
External	Track	Delay Send	92
External	Track	Mute	6
External	Track	Solo (future)	38