

CyDrums MIDI implementation chart

Function		Transmitted	Recognized	Remarks
Basic channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	※ Stored in memory
Mode	Default Messages Altered	× × *****	MODE 3 ×	
Note numbers	Range	0 - 127 *****	0 - 127 0 - 127	
Velocity	Note-On Note-Off	○, 9n, 1 - 127 ×	○, 9n, 1 - 127 ×	
After Touch	Poly Channel	× ×	× ○	
Pitch Bend		×	○	
Control Change (Pattern/Master)	0 1 2 3 Works in PROJECT CH ※	× × ○ ○ ○	○ ○ ○ ○ ○	PATTERN PLAYBACK SONG PLAYBACK MASTER LEVEL PATTERN LEVEL ALL SOUND OFF
Control Change (MIXER)	117 118 119 Works in TRACK CH	○ ○ ○	○ ○ ○	TRACK MIXER LEVEL TRACK MIXER PAN TRACK MIXER MUTE
Control Change (EXT)	124 125 126 127 Works in PROJECT CH	○ ○ ○ ○	○ ○ ○ ○	EXT LEVEL EXT REVERB SEND USB LEVEL USB REVERB SEND
Control Change (PAD)	111 112 113 Works in TRACK/AUTO CH	○ ○ ○ ○	○ ○ ○ ○	SCALE KEY LEGATO
Control Change (CFG)	30 31 32 33 34 35 36 37 38 Works in TRACK/AUTO CH	○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○	SEQ LENGTH NOTE VALUE TRANSPOSE TRACK CHOKE SEQ MODE RANDOM STEP DICE QUANTIZE TRACKSWING
Control Change (OSC)	Structure Type OSC 40 41 42 43 44 45 46 47 Works in TRACK/AUTO CH	○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○	STRUCTURE TYPE WT 1 TYPE WT 2 TYPE WT 1 CURVE WT 2 CURVE WT 1 START WT 2 START WT 1 SPEED WT 2 SPEED

※ Also recognition works in AUTO CH.

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Function		Transmitted	Recognized	Remarks	
Control Change (OSC) Works in TRACK/AUTO CH	Noise	48	<input type="radio"/>	<input type="radio"/>	WT 1 END
		49	<input type="radio"/>	<input type="radio"/>	WT 2 END
		50	<input type="radio"/>	<input type="radio"/>	WT 1 DIRECTION
		51	<input type="radio"/>	<input type="radio"/>	WT 2 DIRECTION
		52	<input type="radio"/>	<input type="radio"/>	WT 1 MUTE
		53	<input type="radio"/>	<input type="radio"/>	WT 2 MUTE
		54	<input type="radio"/>	<input type="radio"/>	NOISE TYPE
		55	<input type="radio"/>	<input type="radio"/>	NOISE LEVEL
		56	<input type="radio"/>	<input type="radio"/>	NOISE TIME
		57	<input type="radio"/>	<input type="radio"/>	NOISE RESO FREQ
		58	<input type="radio"/>	<input type="radio"/>	NOISE MUTE
		59	<input type="radio"/>	<input type="radio"/>	PULSE TYPE
		60	<input type="radio"/>	<input type="radio"/>	TICK LEVEL
		61	<input type="radio"/>	<input type="radio"/>	TICK TIME
62	<input type="radio"/>	<input type="radio"/>	TICK MUTE		
Control Change (SOUND) Works in TRACK/AUTO CH		65	<input type="radio"/>	<input type="radio"/>	SND PROP A 1
		66	<input type="radio"/>	<input type="radio"/>	SND PROP A 2
		67	<input type="radio"/>	<input type="radio"/>	SND PROP B 1
		68	<input type="radio"/>	<input type="radio"/>	SND PROP B 2
		69	<input type="radio"/>	<input type="radio"/>	SND PROP C 1
		70	<input type="radio"/>	<input type="radio"/>	SND PROP C 2
		71	<input type="radio"/>	<input type="radio"/>	SND PROP D 1
		72	<input type="radio"/>	<input type="radio"/>	SND PROP D 2
		73	<input type="radio"/>	<input type="radio"/>	VELOCITY SENSE
		74	<input type="radio"/>	<input type="radio"/>	GLIDE
75	<input type="radio"/>	<input type="radio"/>	PITCH		
Control Change (FILTER) Works in TRACK/AUTO CH	FILTER	76	<input type="radio"/>	<input type="radio"/>	FILTER TYPE
		77	<input type="radio"/>	<input type="radio"/>	FILTER FREQ
		78	<input type="radio"/>	<input type="radio"/>	FILTER RESO
		79	<input type="radio"/>	<input type="radio"/>	FILTER GAIN
	FILTER ENV	80	<input type="radio"/>	<input type="radio"/>	FILTER EG DEPTH
		81	<input type="radio"/>	<input type="radio"/>	FILTER EG ATTACK
		82	<input type="radio"/>	<input type="radio"/>	FILTER EG DECAY
		83	<input type="radio"/>	<input type="radio"/>	FILTER EG DELAY
		84	<input type="radio"/>	<input type="radio"/>	FILTER EG INVERT
		85	<input type="radio"/>	<input type="radio"/>	FILTER EG REPEAT
Control Change (MOD) Works in TRACK/AUTO CH	MOD VELO	86	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 1 ASSGIN
		87	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 2 ASSGIN
		88	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 1 SENSE
		89	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 2 SENSE
		90	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 1 THRESHOLD
		91	<input type="radio"/>	<input type="radio"/>	MOD VELOCITY 2 THRESHOLD
	MOD AT	92	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 1 ASSGIN
		93	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 2 ASSGIN
		94	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 1 SENSE
		95	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 2 SENSE
		96	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 1 SPEED
		97	<input type="radio"/>	<input type="radio"/>	MOD AFTERTOUCH 2 SPEED
	MOD ENV	98	<input type="radio"/>	<input type="radio"/>	MOD ENV ASSIGN
		99	<input type="radio"/>	<input type="radio"/>	MOD ENV ATTACK
		100	<input type="radio"/>	<input type="radio"/>	MOD ENV DECAY
		101	<input type="radio"/>	<input type="radio"/>	MOD ENV DEPTH
		102	<input type="radio"/>	<input type="radio"/>	MOD ENV DELAY
	103	<input type="radio"/>	<input type="radio"/>	MOD ENV REPEAT	

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Function			Transmitted	Recognized	Remarks
Control Change (AMP) Works in TRACK/AUTO CH	AMP ENV	104	○	○	AMP ATTACK
		105	○	○	AMP DECAY
		106	○	○	AMP SUSTAIN
		107	○	○	AMP RELEASE
		108	○	○	AMP CURVE
		109	○	○	AMP LEVEL
		110	○	○	AMP DISTORTION
	AMP BUS	114	○	○	EFX CONNECTION
		115	○	○	EFX REVERB SEND
		116	○	○	EFX SIDECHAIN COMP SEND
Control Change (EFX) Works in PROJECT CH		5	○	○	EFX ROUTING TYPE
		6	○	○	EFX 1 TYPE
		7	○	○	EFX 2 TYPE
		8	○	○	EFX 1 ON/OFF
		9	○	○	EFX 2 ON/OFF
		10	○	○	EFX 1 PARAM 1
		11	○	○	EFX 2 PARAM 1
		12	○	○	EFX 1 PARAM 2
		13	○	○	EFX 2 PARAM 2
		14	○	○	EFX 1 PARAM 3
		15	○	○	EFX 2 PARAM 3
		16	○	○	EFX 1 PARAM 4
		17	○	○	EFX 2 PARAM 4
		18	○	○	REVERB ENABLE
		19	○	○	REVERB MIX
		20	○	○	REVERB HIDAMP
		21	○	○	REVERB DECAY
		22	○	○	REVERB LOCUT
		23	○	○	REVERB MUTE POSITON
	24	○	○	MASTER FX TYPE	
	25	○	○	MASTER FX ON/OFF	
	26	○	○	MASTER FX PARAM 1	
	27	○	○	MASTER FX PARAM 2	
	28	○	○	MASTER FX PARAM 3	
	29	○	○	MASTER FX PARAM 4	
Program Change	Settable range	○	○		
System exclusive		○	○		
System Common	Song position Song select Tune	× × ×	× × ×		
Real Time	Clock Command	○ ○	○ ○	※ Receive only when clock source is MIDI	
Other	Reset All Controllers Local Control On/Off All Notes Off Omni Mode Off Omni Mode On Mono Mode On Mono Mode Off Active Sensing Reset	× × × × × × × ○ ×	× × × × × × × ○ ×		

Mode 1 : Omni-On, Poly; Mode 2 : Omni-On, Mono; Mode 3 : Omni-Off, Poly; Mode 4 : Omni-Off, Mono
○ : Yes × : No