

MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Channel	1 - 16	1 - 16	
Mode	Mode 3	Mode 1, 2, 3, 4	
Note Number	0 - 127	0 - 127	
Velocity	Note On Note Off	o x	
After Touch	x	x	
Pitch Bend	x	o	
Control Change	1 x	o	MODULATION
	3 o	o	LFO RATE
	5 o	o	PORTAMENTO TIME
	9 o	o	LFO DELAY
	11 x	o	EXPRESSION PEDAL
	12 o	o	DCO RANGE
	13 o	o	DCO LFO
	14 o	o	DCO PWM
	15 o	o	DCO LFO/MAN/ENV
	16 o	o	DCO SQR SW
	17 o	o	DCO SAW SW
	18 o	o	DCO SUB
	19 o	o	DCO NOISE
	20 o	o	HPF FREQ
	21 o	o	VCF ENV Polarity
	22 o	o	VCF ENV
	23 o	o	VCF LFO
	24 o	o	VCF KYBD
	25 o	o	VCA ENV / GATE
	26 o	o	VCA LEVEL
	27 o	o	ENV S
	28 o	o	DCO SUB SW
	29 o	o	LFO WAVE
	30 o	o	LFO TRIG
	64 x	o	HOLD
	65 o	o	PORTAMENTO SW
	71 o	o	VCF RES
	72 o	o	ENV R
	73 o	o	ENV A
	74 o	o	VCF FREQ
	75 o	o	ENV D
	82 o	o	DELAY TIME
	83 o	o	DELAY FEEDBACK
	86 o	o	POLY / (POLY) / SOLO / UNISON
87 o	o	BEND RANGE	
88 o	o	TEMPO SYNC	
89 o	o	DELAY SW	
91 o	o	DELAY LEVEL	
93 o	o	CHORUS OFF / I / II / I+II	
Program Change	0 - 63	0 - 63	
System Exclusive	x	x	
System Commor	: Song Position	x	
	: Song Select	x	
	: Tune Request	x	
System Real Time	: Clock	o	
	: Start	o	
	: Continue	x	*1
System Real Time	: Stop	o	
	: All Sound Off	x	
	: Reset All Controllers	x	
Aux Message	: Local On/Off	x	
	: All Notes Off	x	
	: Omni Mode Off	x	*2
	: Omni Mode On	x	*2
	: Mono Mode On	x	*2
	: Poly Mode On	x	*2
	: Active Sensing	o	
	: System Reset	x	

Notes *1 Same process as Start.

*2 Same process as All Notes Off.

Mode 1: Omni On, Poly
Mode 3: Omni Off, Poly

Mode 2: Omni On, Mono
Mode 4: Omni Off, Mono

o: Yes
x: No

MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Channel	1	x	
Mode	x	x	
Note Number	60 - 71 48 - 72	x	*1 *2
Velocity	Note On Note Off	x x	
After Touch	x	x	
Pitch Bend	x	x	
Control Change	3 o	x	VCF FREQ
	9 o	x	VCF RES
	12 o	x	CHORUS OFF / ON
	16 o	x	DCO SQR SW
	17 o	x	DCO SAW SW
	18 o	x	DCO SUB
	19 o	x	DCO NOISE
	26 o	x	DCO LFO
	27 o	x	LFO DELAY
	28 o	x	VCF LFO
	29 o	x	LFO RATE
	47 o	x	DCO RANGE
	50 o	x	DCO PWM
	60 o	x	DCO LFO / MAN / ENV
	70 o	x	CHORUS I / II
	79 o	x	HPF FREQ
	81 o	x	VCF ENV
	82 o	x	VCF KYBD
	83 o	x	ENV A
84 o	x	ENV D	
85 o	x	ENV S	
86 o	x	ENV R	
88 o	x	VCA ENV / GATE	
110 o	x	VCA LEVEL	
Program Change	x	x	
System Exclusive	x	x	
System Commor	: Song Position : Song Select : Tune Request	x x x	
System Real Time	: Clock : Start : Continue : Stop	x x x x	
Aux Message	: All Sound Off : Reset All Controllers : Local On/Off : All Notes Off : Omni Mode Off : Omni Mode On : Mono Mode On : Poly Mode On : Active Sensing : System Reset	x x x x x x x x o x	
Notes	*1 Case using BANK/MEMORY buttons. *2 Case using K-25m.		

Mode 1: Omni On, Poly
Mode 3: Omni Off, Poly

Mode 2: Omni On, Mono
Mode 4: Omni Off, Mono

o: Yes
x: No