

UNO Synth PRO X MIDI Implementation Chart V 1.0.0

MIDI Implementation Chart v. 1.0.0 (Page 1 of 4)			
Manufacturer: IK Multimedia	Model: UNO Synth PRO X	Date: 25 Jan 2023	Version: 1.0
	Transmit/Export	Recognize/Import	Remarks
<i>1. Basic Information</i>			
MIDI channels	1-16	1-16	Memorized
Note numbers	0-127	0-127	
Program change	0-127	0-127	Displayed as "1-128", Memorized
Bank Select response? (Yes/No) If yes, list banks utilized in remarks column	Yes	Yes	2 Banks of 128 preset, showing 1-256
Modes supported : Mode 1: Omni-On, Poly (Yes/No) Mode 2: Omni-On, Mono (Yes/No) Mode 3: Omni-Off, Poly (Yes/No) Mode 4: Omni-Off, Mono (Yes/No) Multi Mode (Yes/No)		No No No Yes No	
Note-On Velocity (Yes/No)	Yes	Yes	
Note-Off Velocity (Yes/No)	No	No	
Channel Aftertouch (Yes/No)	Yes	Yes	
Poly (Key) Aftertouch (Yes/No)	No	No	
Pitch Bend (Yes/No)	Yes	Yes	
Active Sensing (Yes/No)	No	No	
System Reset (Yes/No)	No	No	
Tune Request (Yes/No)	No	No	
Universal System Exclusive: Sample Dump Standard (Yes/No) Device Inquiry (Yes/No) File Dump (Yes/No) MIDI Tuning (Yes/No) Master Volume (Yes/No) Master Balance (Yes/No) Notation Information (Yes/No) Turn GM1 System On (Yes/No) Turn GM2 System On (Yes/No) Turn GM System Off (Yes/No) DLS-1 (Yes/No) File Reference (Yes/No) Controller Destination (Yes/No) Key-based Instrument Ctrl (Yes/No) Master Fine/Coarse Tune (Yes/No) Other Universal System Exclusive	No	No	
Manufacturer or Non-Commercial System Exclusive	Yes	Yes	
NRPns (Yes/No)	No	No	
RPN 00 (Pitch Bend Sensitivity) (Yes/No) RPN 01 (Channel Fine Tune) (Yes/No) RPN 02 (Channel Coarse Tune) (Yes/No) RPN 03 (Tuning Program Select) (Yes/No) RPN 04 (Tuning Bank Select) (Yes/No) RPN 05 (Modulation Depth Range) (Yes/No)	No	No	
<i>2. MIDI Timing and Synchronization</i>			
MIDI Clock (Yes/No)	Yes	Yes	
Song Position Pointer (Yes/No)	No	Yes	Not available in Song Mode
Song Select (Yes/No)	No	No	
Start (Yes/No)	Yes	Yes	
Continue (Yes/No)	No	No	
Stop (Yes/No)	Yes	Yes	
MIDI Time Code (Yes/No)	No	No	
MIDI Machine Control (Yes/No)	No	No	
MIDI Show Control (Yes/No) If yes, MSC Level supported	No	No	
<i>3. Extensions Compatibility</i>			
General MIDI compatible? (Level(s)/No) Is GM default power-up mode? (Level/No)	No	No	
DLS compatible? (Levels(s)/No) (DLS File Type(s)/No)	No	No	
Standard MIDI Files (Type(s)/No)	No	No	
XMF Files (Type(s)/No)	No	No	
SP-MIDI compatible? (Yes/No)	No	No	

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MIDI Implementation Chart v. 1.0.0 (Page 2 of 4)					
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Control #	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
0	Bank Select (MSB)	Yes	Yes	2 Banks available	
1	Modulation Wheel (MSB)	Yes	Yes		
2	Breath Controller (MSB)	No	No		
3		Yes	Yes	Glide Type	
4	Foot Controller (MSB)	No	No		
5	Portamento Time (MSB)	Yes	Yes	Glide Time	
6	Data Entry (MSB)	No	No		
7	Channel Volume (MSB)	Yes	Yes	VCA Level	
8	Balance (MSB)	No	No		
9		Yes	Yes	Swing Amount	
10	Pan (MSB)	No	No		
11	Expression (MSB)	No	No		
12	Effect Control 1 (MSB)	Yes	Yes	OSC 1 Wave	
13	Effect Control 2 (MSB)	Yes	Yes	OSC 2 Wave	
14		Yes	Yes	OSC 3 Wave	
15		Yes	Yes	OSC 1 Tune (+/-24 semitones)	
16	General Purpose Controller 1 (MSB)	Yes	Yes	OSC 2 Tune (+/-24 semitones)	
17	General Purpose Controller 2 (MSB)	Yes	Yes	OSC 3 Tune (+/-24 semitones)	
18	General Purpose Controller 3 (MSB)	Yes	Yes	OSC 1 Level	
19	General Purpose Controller 4 (MSB)	Yes	Yes	OSC 2 Level	
20		Yes	Yes	OSC 3 Level	
21		Yes	Yes	Noise Level	
22		Yes	Yes	OSC 2 Sync ON/OFF	
23		Yes	Yes	OSC 3 Sync ON/OFF	
24		Yes	Yes	OSC Ring ON/OFF	
25		Yes	Yes	OSC 2 FM Amount	
26		Yes	Yes	OSC 3 FM Amount	
27		Yes	Yes	Filter Routing SERIES/PARALLEL	
28		Yes	Yes	FILTER 1 Cutoff	
29		Yes	Yes	FILTER 1 Resonance	
30		Yes	Yes	FILTER 1 Mode HP/LP	
31		Yes	Yes	FILTER 1 Filter Env Amount	
32	Bank Select (LSB)	Yes	Yes	FILTER 1 Key Track Amount	
33	Modulation Wheel (LSB)	No	No		
34	Breath Controller (LSB)	Yes	Yes	Filter 1 Phase 0/180	
35		Yes	Yes	FILTER 2 Cutoff	
36	Foot Controller (LSB)	Yes	Yes	FILTER 2 Resonance	
37	Portamento Time (LSB)	Yes	Yes	FILTER 2 Slope 2P/4P	
38	Data Entry (LSB)	Yes	Yes	FILTER 2 Filter Env Amount	
39	Channel Volume (LSB)	Yes	Yes	FILTER 2 Key Track Amount	
40	Balance (LSB)	Yes	Yes	VCA Amount (0-100)	
41		Yes	Yes	FILTER Link	
42	Pan (LSB)	Yes	Yes	ENV 3 Loop ON/OFF	
43	Expression (LSB)	Yes	Yes	ENV 3 Retrigger ON/OFF	
44	Effect Control 1 (LSB)	Yes	Yes	LFO 1 Wave	
45	Effect Control 2 (LSB)	Yes	Yes	LFO 1 Rate	
46		Yes	Yes	LFO 1 Fade in	
47		Yes	Yes	LFO 1 Sync	
48	General Purpose Controller 1 (LSB)	Yes	Yes	LFO 2 Wave	
49	General Purpose Controller 2 (LSB)	Yes	Yes	LFO 2 Rate	
50	General Purpose Controller 3 (LSB)	Yes	Yes	LFO 2 Fade in	
51	General Purpose Controller 4 (LSB)	Yes	Yes	LFO 2 Sync	
52		No	No		
53		Yes	Yes	FILTER ENV Attack	
54		Yes	Yes	FILTER ENV Decay	
55		Yes	Yes	FILTER ENV Sustain	
56		Yes	Yes	FILTER ENV Release	
57		Yes	Yes	FILTER ENV Loop ON/OFF	
58		Yes	Yes	FILTER ENV Retrigger ON/OFF	
59		Yes	Yes	AMP ENV Attack	
60		Yes	Yes	AMP ENV Decay	
61		Yes	Yes	AMP ENV Sustain	
62		Yes	Yes	AMP ENV Release	
63		Yes	Yes	AMP ENV Loop ON/OFF	

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MIDI Implementation Chart v. 1.0.0 (Page 3 of 4)					
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64	Sustain Pedal	No	Yes	HOLD Button	
65	Portamento On/Off	Yes	Yes	Value 0 for OFF	
66	Sostenuto	Yes	Yes	Matrix Slot 1 Amount	
67	Soft Pedal	Yes	Yes	Matrix Slot 2 Amount	
68	Legato Footswitch	Yes	Yes	Matrix Slot 3 Amount	
69	Hold 2	Yes	Yes	Matrix Slot 4 Amount	
70	Sound Controller 1 (default: Sound Variation)	Yes	Yes	Matrix Slot 5 Amount	
71	Sound Controller 2 (default: Timbre / Harmonic Quality)	Yes	Yes	Matrix Slot 6 Amount	
72	Sound Controller 3 (default: Release Time)	Yes	Yes	Matrix Slot 7 Amount	
73	Sound Controller 4 (default: Attack Time)	Yes	Yes	Matrix Slot 8 Amount	
74	Sound Controller 5 (default: Brightness)	Yes	Yes	Matrix Slot 9 Amount	
75	Sound Controller 6 (GM2 default: Decay Time)	Yes	Yes	Matrix Slot 10 Amount	
76	Sound Controller 7 (GM2 default: Vibrato Rate)	Yes	Yes	Matrix Slot 11 Amount	
77	Sound Controller 8 (GM2 default: Vibrato Depth)	Yes	Yes	Matrix Slot 12 Amount	
78	Sound Controller 9 (GM2 default: Vibrato Delay)	Yes	Yes	Matrix Slot 13 Amount	
79	Sound Controller 10 (GM2 default: Undefined)	Yes	Yes	Matrix Slot 14 Amount	
80	General Purpose Controller 5	Yes	Yes	Matrix Slot 15 Amount	
81	General Purpose Controller 6	Yes	Yes	Matrix Slot 16 Amount	
82	General Purpose Controller 7	Yes	Yes		
83	General Purpose Controller 8	No	No	LFO1 retrigger	
84	Portamento Control	No	No	LFO1 fade in curve	
85		No	No	LFO2 retrigger	
86		No	No	LFO2 fade in curve	
87		Yes	Yes	AMP ENV Retrigger ON OFF	
88		No	No		
89		Yes	Yes	External InputRouting	
90		Yes	Yes	Drive Amount	
91	Effects 1 Depth (default: Reverb Send)	Yes	Yes	Reverb Amount	
92	Effects 2 Depth (default: Tremolo Depth)	Yes	Yes	Delay Amount	
93	Effects 3 Depth (default: Chorus Send)	Yes	Yes	Mod Amount	
94	Effects 4 Depth (default: Celeste [Detune] Depth)	No	No		
95	Effects 5 Depth (default: Phaser Depth)	Yes	Yes	Mod Type	
96	Data Increment	Yes	Yes	Mod Intensity (Phaser Color, Flanger Fdbck)	
97	Data Decrement	Yes	Yes	Mod Rate	
98	Non-Registered Parameter Number (LSB)	Yes	Yes	Chorus Mode	
99	Non-Registered Parameter Number(MSB)	No	No		
100	Registered Parameter Number (LSB)	Yes	Yes	Delay Type	
101	Registered Parameter Number(MSB)	Yes	Yes	Delay Sync ON/OFF	
102		Yes	Yes	Delay Time L	
103		Yes	Yes	Delay Time R	
104		Yes	Yes	Delay Feedback	
105		Yes	Yes	Delay Filter	
106		No	No		
107		Yes	Yes	Reverb Type (0-41, 42-83, 83-127)	
108		Yes	Yes	Reverb Pre-Delay	
109		Yes	Yes	Reverb Time	
110		Yes	Yes	Reverb Time (LOW) (Pitch 1 for shimmer)	
111		Yes	Yes	Reverb Time (MID) (Pitch 2 for shimmer)	
112		Yes	Yes	Reverb Time (HIGH)	
113		Yes	Yes	Reverb Size	
114		Yes	Yes	Reverb Filter	
115		Yes	Yes	ENV 3 Attack	
116		Yes	Yes	ENV 3 Decay	
117		Yes	Yes	ENV 3 Sustain	
118		Yes	Yes	ENV 3 Release	
119		No	No		
120	All Sound Off	Yes	Yes		
121	Reset All Controllers	No	No		
122	Local Control On/Off	Yes	Yes		
123	All Notes Off	Yes	Yes		
124	Omni Mode Off	No	No		
125	Omni Mode On	No	No		
126	Poly Mode Off	No	No		
127	Poly Mode On	No	No		

