

NC2x MIDI Implementation Chart (Controller Section)

MIDI Implementation Chart V 2.0 (Page 1 of 3)				
Manufacturer: STUDIOLOGIC		Model: NC2x (Controller Section)	Version: 2.0.1	Date: 01.03.2023
		Transmit/Export	Recognized/Import	Remarks
<i>1. Basic Information</i>				
MIDI channels		1-16	-	
Note numbers		0-127	-	
Program change		0-127	No	
Bank Select response			No	
Modes supported:			No	
Mode 1: Omni-On, Poly			No	
Mode 2: Omni-On, Poly			No	
Mode 3: Omni-On, Poly			No	
Mode 4: Omni-On, Poly			No	
Multi Mode			No	
Note-On Velocity		Yes	No	
Note-Off Velocity		Yes	No	
Channel Aftertouch		Yes	No	Keyboard
Poly (Key) Aftertouch		No	No	
Pitch Bend		Yes	No	Stick1 X-Y
Active Sensing		No	No	
System Reset		No	No	
Tune Request		No	No	
Universal System Exclusive:				
Sample Dump Standard		No	No	
Device Inquiry		No	No	
File Dump		No	No	
MIDI Tuning		No	No	
Master Volume		No	No	
Master Balance		No	No	
Notation Information		No	No	
Turn GM1 System On		No	No	
Turn GM2 System On		No	No	
Turn GM System Off		No	No	
DLS-1		No	No	
File REference		No	No	
Controller Destination		No	No	
Key-based Instrument Ctrl		No	No	
Master Fine/Coarse Tune		Yes	No	F0, 41, 00, 42, 12, 40, 00, 00, 00, xx, xx, xx, 00, F7
Other Universal System Esxclusive		No	No	
Manufacturer or Non-Commercial System Exclusive		No	No	
NRPNs		No	No	
RPN 00 (Pitch Bend Sensitivity)		No	No	
RPN 01 (Channel Fine Tune)		No	No	
RPN 02 (Channel Coarse Tune)		No	No	
RPN 03 (Tuning Program Select)		No	No	
RPN 04 (Tuning Bank Select)		No	No	
RPN 05 (Modulation Depth Range)		No	No	
<i>2. MIDI Tuning and Synchronization</i>				
MIDI CLock		No	No	
Song Position Pointer		No	No	
Song Select		No	No	
Start		No	No	
Continue		No	No	
Stop		No	No	
MIDI Time Code		No	No	
MIDI Machine Control		No	No	
MIDI Show Control		No	No	
<i>3. Extension Compatibility</i>				
General MIDI comapatible		No	No	
DLS comapatible		No	No	
Standard MIDI Files		No	No	
XMF Files		No	No	
SP-MIDI compatible		No	No	

NC2x MIDI Implementation Chart (Controller Section)

MIDI Implementation Chart V 2.0 (Page 2 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Controller Section)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
0	Bank Select (MSB)	Yes	No	Zone Edit – Assignable on Sliders / Organ Buttons	
1	Modulation Wheel (MSB)	Yes	No	Stick2 X – Assignable on Sliders / Organ Buttons	
2	Breath Controller (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
3		Yes	No	Assignable on Sliders / Organ Buttons	
4	Foot Controller (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
5	Portamento Time (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
6	Data Entry (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
7	Channel Volume (MSB)	Yes	No	Zone Edit – Assignable on Sliders / Organ Buttons	
8	Balance (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
9		Yes	No	Assignable on Sliders / Organ Buttons	
10	Pan (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
11	Expression (MSB)	Yes	No	Pedal 1-2 – Assignable on Sliders / Organ Buttons	
12	Effect Control 1 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
13	Effect Control 2 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
14		Yes	No	Assignable on Sliders / Organ Buttons	
15		Yes	No	Assignable on Sliders / Organ Buttons	
16	General Purpose Controller 1 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
17	General Purpose Controller 2 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
18	General Purpose Controller 3 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
19	General Purpose Controller 4 (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
20		Yes	No	Assignable on Sliders / Organ Buttons	
21		Yes	No	Assignable on Sliders / Organ Buttons	
22		Yes	No	Assignable on Sliders / Organ Buttons	
23		Yes	No	Assignable on Sliders / Organ Buttons	
24		Yes	No	Assignable on Sliders / Organ Buttons	
25		Yes	No	Assignable on Sliders / Organ Buttons	
26		Yes	No	Assignable on Sliders / Organ Buttons	
27		Yes	No	Assignable on Sliders / Organ Buttons	
28		Yes	No	Assignable on Sliders / Organ Buttons	
29		Yes	No	Assignable on Sliders / Organ Buttons	
30		Yes	No	Assignable on Sliders / Organ Buttons	
31		Yes	No	Assignable on Sliders / Organ Buttons	
32	Bank Select (LSB)	Yes	No	Zone Edit – Assignable on Sliders / Organ Buttons	
33	Modulation Wheel (LSB)	Yes	No	Stick2 X – Assignable on Sliders / Organ Buttons	
34	Breath Controller (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
35		Yes	No	Assignable on Sliders / Organ Buttons	
36	Foot Controller (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
37	Portamento Time (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
38	Data Entry (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
39	Channel Volume (LSB)	Yes	No	Zone Edit – Assignable on Sliders / Organ Buttons	
40	Balance (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
41		Yes	No	Assignable on Sliders / Organ Buttons	
42	Pan (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
43	Expression (LSB)	Yes	No	Pedal 1-2 – Assignable on Sliders / Organ Buttons	
44	Effect Control 1 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
45	Effect Control 2 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
46		Yes	No	Assignable on Sliders / Organ Buttons	
47		Yes	No	Assignable on Sliders / Organ Buttons	
48	General Purpose Controller 1 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
49	General Purpose Controller 2 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
50	General Purpose Controller 3 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
51	General Purpose Controller 4 (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
52		Yes	No	Assignable on Sliders / Organ Buttons	
53		Yes	No	Assignable on Sliders / Organ Buttons	
54		Yes	No	Assignable on Sliders / Organ Buttons	
55		Yes	No	Assignable on Sliders / Organ Buttons	
56		Yes	No	Assignable on Sliders / Organ Buttons	
57		Yes	No	Assignable on Sliders / Organ Buttons	
58		Yes	No	Assignable on Sliders / Organ Buttons	
59		Yes	No	Assignable on Sliders / Organ Buttons	
60		Yes	No	Assignable on Sliders / Organ Buttons	
61		Yes	No	Assignable on Sliders / Organ Buttons	
62		Yes	No	Assignable on Sliders / Organ Buttons	
63		Yes	No	Assignable on Sliders / Organ Buttons	

NC2x MIDI Implementation Chart (Controller Section)

MIDI Implementation Chart V 2.0 (Page 3 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Controller Section)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
64	Sustain Pedal	Yes	No	Pedal 2 (SLP3-D/Switch) – Assignable on Sliders / Organ Buttons	
65	Portamento On/Off	Yes	No	Assignable on Sliders / Organ Buttons	
66	Sostenuto	Yes	No	Pedal 2 (SLP3-D) – Assignable on Sliders / Organ Buttons	
67	Soft Pedal	Yes	No	Pedal 2 (SLP3-D) – Assignable on Sliders / Organ Buttons	
68	Legato Footswitch	Yes	No	Assignable on Sliders / Organ Buttons	
69	Hold 2	Yes	No	Assignable on Sliders / Organ Buttons	
70	Sound Controller 1 (default: Sound Variation)	Yes	No	Assignable on Sliders / Organ Buttons	
71	Sound Controller 2 (default: Timber / Harmonic Quality)	Yes	No	Assignable on Sliders / Organ Buttons	
72	Sound Controller 3 (default: Release Time)	Yes	No	Assignable on Sliders / Organ Buttons	
73	Sound Controller 4 (default: Attack Time)	Yes	No	Assignable on Sliders / Organ Buttons	
74	Sound Controller 5 (default: Brightness)	Yes	No	Stick 2 Y – Assignable on Sliders / Organ Buttons	
75	Sound Controller 6 (GM2 default: Decay Time)	Yes	No	Assignable on Sliders / Organ Buttons	
76	Sound Controller 7 (GM2 default: Vibrato Rate)	Yes	No	Assignable on Sliders / Organ Buttons	
77	Sound Controller 8 (GM2 default: Vibrato Depth)	Yes	No	Assignable on Sliders / Organ Buttons	
78	Sound Controller 9 (GM2 default: Vibrato Delay)	Yes	No	Assignable on Sliders / Organ Buttons	
79	Sound Controller 10 (GM2 default: Undefined)	Yes	No	Assignable on Sliders / Organ Buttons	
80	General Purpose Controller 5	Yes	No	Assignable on Sliders / Organ Buttons	
81	General Purpose Controller 6	Yes	No	Assignable on Sliders / Organ Buttons	
82	General Purpose Controller 7	Yes	No	Assignable on Sliders / Organ Buttons	
83	General Purpose Controller 8	Yes	No	Assignable on Sliders / Organ Buttons	
84	Portamento Control	Yes	No	Assignable on Sliders / Organ Buttons	
85		Yes	No	Assignable on Sliders / Organ Buttons	
86		Yes	No	Assignable on Sliders / Organ Buttons	
87		Yes	No	Assignable on Sliders / Organ Buttons	
88		Yes	No	Assignable on Sliders / Organ Buttons	
89		Yes	No	Assignable on Sliders / Organ Buttons	
90		Yes	No	Assignable on Sliders / Organ Buttons	
91	Effects 1 Depth (default: Reverb Send)	Yes	No	Assignable on Sliders / Organ Buttons	
92	Effects 2 Depth (default: Tremolo Depth)	Yes	No	Assignable on Sliders / Organ Buttons	
93	Effects 3 Depth (default: Chorus Send)	Yes	No	Assignable on Sliders / Organ Buttons	
94	Effects 4 Depth (default: Celeste [Detune] Depth)	Yes	No	Assignable on Sliders / Organ Buttons	
95	Effects 5 Depth (default: Phaser Depth)	Yes	No	Assignable on Sliders / Organ Buttons	
96	Data Increment	Yes	No	Assignable on Sliders / Organ Buttons	
97	Data Decrement	Yes	No	Assignable on Sliders / Organ Buttons	
98	Non-Registered Parameter Number (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
99	Non-Registered Parameter Number (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
100	Registered Parameter Number (LSB)	Yes	No	Assignable on Sliders / Organ Buttons	
101	Registered Parameter Number (MSB)	Yes	No	Assignable on Sliders / Organ Buttons	
102	FX1 Change	Yes	No	Assignable on Sliders / Organ Buttons	
103	FX2 Change	Yes	No	Assignable on Sliders / Organ Buttons	
104	Reverb Change	Yes	No	Assignable on Sliders / Organ Buttons	
105		Yes	No	Assignable on Sliders / Organ Buttons	
106		Yes	No	Assignable on Sliders / Organ Buttons	
107		Yes	No	Assignable on Sliders / Organ Buttons	
108		Yes	No	Assignable on Sliders / Organ Buttons	
109		Yes	No	Assignable on Sliders / Organ Buttons	
110		Yes	No	Assignable on Sliders / Organ Buttons	
111		Yes	No	Assignable on Sliders / Organ Buttons	
112		Yes	No	Assignable on Sliders / Organ Buttons	
113		Yes	No	Assignable on Sliders / Organ Buttons	
114		Yes	No	Assignable on Sliders / Organ Buttons	
115		Yes	No	Assignable on Sliders / Organ Buttons	
116		Yes	No	Assignable on Sliders / Organ Buttons	
117		Yes	No	Assignable on Sliders / Organ Buttons	
118		Yes	No	Assignable on Sliders / Organ Buttons	
119		Yes	No	Assignable on Sliders / Organ Buttons	
120	All Sound Off	No	No		
121	Reset All Controllers	Yes	No		
122	Local Control On/Off	No	No		
123	All Notes Off	Yes	No		
124	Omni Mode Off	No	No		
125	Omni Mode On	No	No		
126	Poly Mode Off	No	No		
127	Poly Mode ON	No	No		

NC2x MIDI Implementation Chart (Keyboard Section - Multi Channel)

MIDI Implementation Chart V 2.0 (Page 1 of 3)				
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard Section – Multi Channel)	Version: 2.0.1	Date: 01.03.2023
		Transmit/Export	Recognized/Import	Remarks
<i>1. Basic Information</i>				
MIDI channels		1,2,16	1,2,3,4,16	1=Upper, 2=Lower, 3-4=MIDI, 16=Common Ch
Note numbers		0-127	0-127	
Program change		0-127	0-127	Preset change on common channel
Bank Select response			Yes	LSB only. See related Sound List Chart.
Modes supported:			No	
Mode 1: Omni-On, Poly			No	
Mode 2: Omni-On, Poly			No	
Mode 3: Omni-On, Poly			No	
Mode 4: Omni-On, Poly			No	
Multi Mode			No	
Note-On Velocity		Yes	Yes	
Note-Off Velocity		Yes	Yes	
Channel Aftertouch		Yes*	Yes	*Keyboard
Poly (Key) Aftertouch		No	No	
Pitch Bend		Yes*	Yes	*Stick1 X-Y
Active Sensing		No	No	
System Reset		No	No	
Tune Request		No	No	
Universal System Exclusive:		No	No	
Sample Dump Standard		No	No	
Device Inquiry		No	No	
File Dump		No	No	
MIDI Tuning		No	No	
Master Volume		No	No	
Master Balance		No	No	
Notation Information		No	No	
Turn GM1 System On		No	No	
Turn GM2 System On		No	No	
Turn GM System Off		No	No	
DLS-1		No	No	
File REference		No	No	
Controller Destination		No	No	
Key-based Instrument Ctrl		No	No	
Master Fine/Coarse Tune		Yes	No	F0, 41, 00, 42, 12, 40, 00, 00, 00, xx, xx, xx, 00, F7
Other Universal System Esxclusive		No	No	
Manufacturer or Non-Commercial System Exclusive		No	No	
NRPNs		No	No	
RPN 00 (Pitch Bend Sensitivity)		No	No	
RPN 01 (Channel Fine Tune)		No	No	
RPN 02 (Channel Coarse Tune)		No	No	
RPN 03 (Tuning Program Select)		No	No	
RPN 04 (Tuning Bank Select)		No	No	
RPN 05 (Modulation Depth Range)		No	No	
<i>2. MIDI Tuning and Synchronization</i>				
MIDI CLock		No	No	
Song Position Pointer		No	No	
Song Select		No	No	
Start		No	No	
Continue		No	No	
Stop		No	No	
MIDI Time Code		No	No	
MIDI Machine Control		No	No	
MIDI Show Control		No	No	
<i>3. Extension Compatibility</i>				
General MIDI comapatible		No	No	
DLS comapatible		No	No	
Standard MIDI Files		No	No	
XMF Files		No	No	
SP-MIDI compatible		No	No	

NC2x MIDI Implementation Chart (Keyboard Section - Multi Channel)

MIDI Implementation Chart V 2.0 (Page 2 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard Section – Multi Channel)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
0	Bank Select (MSB)	No	No		
1	Modulation Wheel (MSB)	Yes*	Yes	*Stick2X (based on FX Autoset On/Off)	
2	Breath Controller (MSB)	No	No		
3					
4	Foot Controller (MSB)	No	No		
5	Portamento Time (MSB)	No	No		
6	Data Entry (MSB)	No	No		
7	Channel Volume (MSB)	No	Yes		
8	Balance (MSB)	No	No		
9					
10	Pan (MSB)	No	No		
11	Expression (MSB)	Yes*	Yes	*Pedal 1-2 (assignable)	
12	Drawbar #1 (Effect Control 1 MSB)	Yes*	Yes	Ch 1,2 - *Slider1 (focus on Organ Part)	
13	Drawbar #2 (Effect Control 2 MSB)	Yes*	Yes	Ch 1,2 - *Slider2 (focus on Organ Part)	
14	Drawbar #3	Yes*	Yes	Ch 1,2 - *Slider3 (focus on Organ Part)	
15	Drawbar #4	Yes*	Yes	Ch 1,2 - *Slider4 (focus on Organ Part)	
16	Drawbar #5 (General Purpose Controller 1 MSB)	Yes*	Yes	Ch 1,2 - *Slider5 (focus on Organ Part)	
17	Drawbar #6 (General Purpose Controller 2 MSB)	Yes*	Yes	Ch 1,2 - *Slider6 (focus on Organ Part)	
18	Drawbar #7 (General Purpose Controller 3 MSB)	Yes*	Yes	Ch 1,2 - *Slider7 (focus on Organ Part)	
19	Drawbar #8 (General Purpose Controller 4 MSB)	Yes*	Yes	Ch 1,2 - *Slider8 (focus on Organ Part)	
20	Drawbar #9	Yes*	Yes	Ch 1,2 - *Slider9 (focus on Organ Part)	
21	Organ Modulation	Yes*	Yes	Ch 1,2 - *focus on Organ Part (0=off, 1=Cho1, 2=Cho2, 3=Vib1, 4=Vib2)	
22	Organ Percussion (Harmonic)	Yes*	Yes	Ch 1,2 - *focus on Organ Part (0=off, 1=2nd, 2=3rd)	
23	Organ Percussion (Decay)	Yes*	Yes	Ch 1,2 - *focus on Organ Part (0=off, 1=Fast, 2=Slow)	
24		No	No		
25		No	No		
26		No	No		
27		No	No		
28		No	No		
29		No	No		
30		No	No		
31		No	No		
32	Bank Select (LSB)	No	Yes*	Ch 1,2,3,4	
33	Modulation Wheel (LSB)	Yes*	No	*Stick2X (based on FX Autoset On/Off)	
34	Breath Controller (LSB)	No	No		
35		No	No		
36	Foot Controller (LSB)	No	No		
37	Portamento Time (LSB)	No	No		
38	Data Entry (LSB)	No	No		
39	Channel Volume (LSB)	No	No		
40	Balance (LSB)	No	No		
41		No	No		
42	Pan (LSB)	No	No		
43	Expression (LSB)	Yes*	No	*Pedal 1-2 (assignable)	
44	Effect Control 1 (LSB)	No	No		
45	Effect Control 2 (LSB)	No	No		
46		No	No		
47		No	No		
48	General Purpose Controller 1 (LSB)	No	No		
49	General Purpose Controller 2 (LSB)	No	No		
50	General Purpose Controller 3 (LSB)	No	No		
51	General Purpose Controller 4 (LSB)	No	No		
52		No	No		
53		No	No		
54		No	No		
55		No	No		
56		No	No		
57		No	No		
58		No	No		
59		No	No		
60		No	No		
61		No	No		
62		No	No		
63		No	No		

NC2x MIDI Implementation Chart (Keyboard Section - Multi Channel)

MIDI Implementation Chart V 2.0 (Page 3 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard Section – Multi Channel)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
64	Sustain Pedal	Yes*	Yes	*Pedal 2 (SLP3-D/Switch)	
65	Portamento On/Off	No	No		
66	Sostenuto	Yes*	Yes	*Pedal 2 (SLP3-D)	
67	Soft Pedal	Yes*	Yes	*Pedal 2 (SLP3-D)	
68	Legato Footswitch	No	No		
69	Hold 2	No	No		
70	CutOff (Sound Controller 1)	Yes*	Yes	Ch 1,2 - *Slider1 (focus on Sound Part)	
71	Resonance (Sound Controller 2)	Yes*	Yes	Ch 1,2 - *Slider2 (focus on Sound Part)	
72	EG2 Filter Attack (Sound Controller 3)	Yes*	Yes	Ch 1,2 - *Slider3 (focus on Synth Part)	
73	EG2 Filter Decay (Sound Controller 4)	Yes*	Yes	Ch 1,2 - *Slider4 (focus on Synth Part)	
74	EG2 Filter Release (Sound Controller 5)	Yes*	Yes	Ch 1,2 - *Slider5 (focus on Synth Part)	
75	LFO2 Rate to Filter (Sound Controller 6)	Yes*	Yes	Ch 1,2 - *Slider6 (focus on Synth Part)	
76	LFO2 Depth to Filter (Sound Controller 7)	Yes*	Yes	Ch 1,2 - *Slider7 (focus on Synth Part)	
77	EG Amp. Attack (Sound Controller 8)	Yes*	Yes	Ch 1,2 - *Slider8 (focus on Synth Part)	
78	EG Amp. (Sound Controller 9)	Yes*	Yes	Ch 1,2 - *Slider9 (focus on Synth Part)	
79	Sound Controller 10 (GM2 default: Undefined)	No	No		
80	General Purpose Controller 5	No	No		
81	General Purpose Controller 6	No	No		
82	General Purpose Controller 7	No	No		
83	General Purpose Controller 8	No	No		
84	Portamento Control	No	No		
85		No	No		
86		No	No		
87		No	No		
88		No	No		
89		No	No		
90		No	No		
91	Reverb Send / Reverb Level (Effects 1 Depth)	Yes	Yes*	Ch 16: Reverb Level - *Ch 1,2,3,4: Reverb Send	
92	FX1 amount (wet/dry) (Effects 2 Depth)	Yes	Yes	Ch 1,2	
93	FX2 amount (wet/dry) (Effects 3 Depth)	Yes	Yes	Ch 1,2	
94	Effects 4 Depth (default: Celeste [Detune] Depth)	No			
95	Effects 5 Depth (default: Phaser Depth)	No			
96	Data Increment	No			
97	Data Decrement	No			
98	Non-Registered Parameter Number (LSB)	No			
99	Non-Registered Parameter Number (MSB)	No			
100	Registered Parameter Number (LSB)	No			
101	Registered Parameter Number (MSB)	No			
102	FX1 Type	Yes	Yes	Ch 1,2: 0=bypass, 1=drive, 2=chorus, 3=phaser, 4=flanger	
103	FX2 Type	Yes	Yes	Ch 1,2: 0=bypass, 1=rotary, 2=trem, 3=pantrem, 4=delay	
104	Reverb Type	Yes	Yes	Ch 16: 0=off, 1=room, 2=hall, 3=plate, 4=spring	
105		No			
106		No			
107		No			
108		No			
109		No			
110	FX1 Parameter Control	Yes*	Yes	Ch 1,2 - *Stick2X (based on FX Autoset On/Off)	
111	FX2 Parameter Control	Yes*	Yes	Ch 1,2 - *Stick2X (based on FX Autoset On/Off)	
112		No			
113		No			
114		No			
115		No			
116		No			
117		No			
118		No			
119		No			
120	All Sound Off	No			
121	Reset All Controllers	Yes*	Yes	*on Preset Change	
122	Local Control On/Off	No			
123	All Notes Off	Yes*	Yes	*on Preset Change	
124	Omni Mode Off	No			
125	Omni Mode On	No			
126	Poly Mode Off	No			
127	Poly Mode ON	No			

NC2x MIDI Implementation Chart (Keyboard Section - Single Channel)

MIDI Implementation Chart V 2.0 (Page 1 of 3)				
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard section – Single Channel)	Version: 2.0.1	Date: 01.03.2023
		Transmit/Export	Recognized/Import	Remarks
<i>1. Basic Information</i>				
MIDI channels		16	1,2,3,4,16	16=Common Channel
Note numbers		0-127	0-127	
Program change		0-127	0-127	Preset change on common channel
Bank Select response			Yes	LSB only. See related Sound List Chart.
Modes supported:	Mode 1: Omni-On, Poly Mode 2: Omni-On, Poly Mode 3: Omni-On, Poly Mode 4: Omni-On, Poly Multi Mode		No No No No No	
Note-On Velocity		Yes	Yes	
Note-Off Velocity		Yes	Yes	
Channel Aftertouch		Yes*	Yes	*Keyboard
Poly (Key) Aftertouch		No	No	
Pitch Bend		Yes*	Yes	*Stick1 X-Y
Active Sensing		No	No	
System Reset		No	No	
Tune Request		No	No	
Universal System Exclusive:	Sample Dump Standard	No	No	
	Device Inquiry	No	No	
	File Dump	No	No	
	MIDI Tuning	No	No	
	Master Volume	No	No	
	Master Balance	No	No	
	Notation Information	No	No	
	Turn GM1 System On	No	No	
	Turn GM2 System On	No	No	
	Turn GM System Off	No	No	
	DLS-1	No	No	
	File REference	No	No	
	Controller Destination	No	No	
	Key-based Instrument Ctrl	No	No	
	Master Fine/Coarse Tune	Yes	No	F0, 41, 00, 42, 12, 40, 00, 00, 00, xx, xx, xx, 00, F7
	Other Universal System Esxclusive	No	No	
Manufacturer or Non-Commercial System Exclusive		No	No	
NRPNs		No	No	
RPN 00 (Pitch Bend Sensitivity)		No	No	
RPN 01 (Channel Fine Tune)		No	No	
RPN 02 (Channel Coarse Tune)		No	No	
RPN 03 (Tuning Program Select)		No	No	
RPN 04 (Tuning Bank Select)		No	No	
RPN 05 (Modulation Depth Range)		No	No	
<i>2. MIDI Tuning and Synchronization</i>				
MIDI CLock		No	No	
Song Position Pointer		No	No	
Song Select		No	No	
Start		No	No	
Continue		No	No	
Stop		No	No	
MIDI Time Code		No	No	
MIDI Machine Control		No	No	
MIDI Show Control		No	No	
<i>3. Extension Compatibility</i>				
General MIDI comapatible		No	No	
DLS comapatible		No	No	
Standard MIDI Files		No	No	
XMF Files		No	No	
SP-MIDI compatible		No	No	

NC2x MIDI Implementation Chart (Keyboard Section - Single Channel)

MIDI Implementation Chart V 2.0 (Page 2 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard section – Single Channel)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
0	Bank Select (MSB)	No	No		
1	Modulation Wheel (MSB)	Yes*	Yes	*Stick2X	
2	Breath Controller (MSB)	No	No		
3					
4	Foot Controller (MSB)	No	No		
5	Portamento Time (MSB)	No	No		
6	Data Entry (MSB)	No	No		
7	Channel Volume (MSB)	No	Yes		
8	Balance (MSB)	No	No		
9					
10	Pan (MSB)	No	No		
11	Expression (MSB)	Yes*	Yes	*Pedal 1-2 (assignable)	
12	Drawbar #1 (Effect Control 1 MSB)	Yes*	Yes**	*Slider1 - **Ch1,2	
13	Drawbar #2 (Effect Control 2 MSB)	Yes*	Yes**	*Slider2 - **Ch1,2	
14	Drawbar #3	Yes*	Yes**	*Slider3 - **Ch1,2	
15	Drawbar #4	Yes*	Yes**	*Slider4 - **Ch1,2	
16	Drawbar #5 (General Purpose Controller 1 MSB)	Yes*	Yes**	*Slider5 - **Ch1,2	
17	Drawbar #6 (General Purpose Controller 2 MSB)	Yes*	Yes**	*Slider6 - **Ch1,2	
18	Drawbar #7 (General Purpose Controller 3 MSB)	Yes*	Yes**	*Slider7 - **Ch1,2	
19	Drawbar #8 (General Purpose Controller 4 MSB)	Yes*	Yes**	*Slider8 - **Ch1,2	
20	Drawbar #9	Yes*	Yes**	*Slider9 - **Ch1,2	
21	Organ Modulation	Yes	Yes**	0=off, 1=Cho1, 2=Cho2, 3=Vib1, 4=Vib2 **Ch1,2	
22	Organ Percussion (Harmonic)	Yes	Yes**	0=off, 1=2nd, 2=3rd - **Ch1,2	
23	Organ Percussion (Decay)	Yes	Yes**	0=off, 1=Fast, 2=Slow - **Ch1,2	
24		No	No		
25		No	No		
26		No	No		
27		No	No		
28		No	No		
29		No	No		
30		No	No		
31		No	No		
32	Bank Select (LSB)	No	Yes	Ch 1,2,3,4	
33	Modulation Wheel (LSB)	Yes*	No	*Stick2X	
34	Breath Controller (LSB)	No	No		
35		No	No		
36	Foot Controller (LSB)	No	No		
37	Portamento Time (LSB)	No	No		
38	Data Entry (LSB)	No	No		
39	Channel Volume (LSB)	No	No		
40	Balance (LSB)	No	No		
41		No	No		
42	Pan (LSB)	No	No		
43	Expression (LSB)	Yes*	No	*Pedal 1-2 (assignable)	
44	Effect Control 1 (LSB)	No	No		
45	Effect Control 2 (LSB)	No	No		
46		No	No		
47		No	No		
48	General Purpose Controller 1 (LSB)	No	No		
49	General Purpose Controller 2 (LSB)	No	No		
50	General Purpose Controller 3 (LSB)	No	No		
51	General Purpose Controller 4 (LSB)	No	No		
52		No	No		
53		No	No		
54		No	No		
55		No	No		
56		No	No		
57		No	No		
58		No	No		
59		No	No		
60		No	No		
61		No	No		
62		No	No		
63		No	No		

NC2x MIDI Implementation Chart (Keyboard Section - Single Channel)

MIDI Implementation Chart V 2.0 (Page 3 of 3)					
Manufacturer: STUDIOLOGIC		Model: NC2x (Keyboard section – Single Channel)		Version: 2.0.1	Date: 01.03.2023
Control#	Function	Transmitted (Y/N)	Recognized (Y/N)	Remarks	
64	Sustain Pedal	Yes*	Yes	*Pedal 2 (SLP3-D/Switch)	
65	Portamento On/Off	No	No		
66	Sostenuto	Yes*	Yes	*Pedal 2 (SLP3-D)	
67	Soft Pedal	Yes*	Yes	*Pedal 2 (SLP3-D)	
68	Legato Footswitch	No	No		
69	Hold 2	No	No		
70	CutOff (Sound Controller 1)	No	Yes*	*Ch 1,2	
71	Resonance (Sound Controller 2)	No	Yes*	*Ch 1,2	
72	EG2 Filter Attack (Sound Controller 3)	No	Yes*	*Ch 1,2	
73	EG2 Filter Decay (Sound Controller 4)	No	Yes*	*Ch 1,2	
74	EG2 Filter Release (Sound Controller 5)	No	Yes*	*Ch 1,2	
75	LFO2 Rate to Filter (Sound Controller 6)	No	Yes*	*Ch 1,2	
76	LFO2 Depth to Filter (Sound Controller 7)	No	Yes*	*Ch 1,2	
77	EG Amp. Attack (Sound Controller 8)	No	Yes*	*Ch 1,2	
78	EG Amp. (Sound Controller 9)	No	Yes*	*Ch 1,2	
79	Sound Controller 10 (GM2 default: Undefined)	No	No		
80	General Purpose Controller 5	No	No		
81	General Purpose Controller 6	No	No		
82	General Purpose Controller 7	No	No		
83	General Purpose Controller 8	No	No		
84	Portamento Control	No	No		
85		No	No		
86		No	No		
87		No	No		
88		No	No		
89		No	No		
90		No	No		
91	Reverb Send / Reverb Level (Effects 1 Depth)	Yes	Yes*	Ch 16: Reverb Level - *Ch 1,2,3,4: Reverb Send	
92	FX1 amount (wet/dry) (Effects 2 Depth)	Yes	Yes*	*Ch 1,2	
93	FX2 amount (wet/dry) (Effects 3 Depth)	Yes	Yes*	*Ch 1,2	
94	Effects 4 Depth (default: Celeste [Detune] Depth)	No			
95	Effects 5 Depth (default: Phaser Depth)	No			
96	Data Increment	No			
97	Data Decrement	No			
98	Non-Registered Parameter Number (LSB)	No			
99	Non-Registered Parameter Number (MSB)	No			
100	Registered Parameter Number (LSB)	No			
101	Registered Parameter Number (MSB)	No			
102	FX1 Type	Yes	Yes*	*Ch 1,2: 0=bypass, 1=drive, 2=chorus, 3=phaser, 4=flanger	
103	FX2 Type	Yes	Yes*	Ch 1,2: 0=bypass, 1=rotary, 2=trem, 3=pantrem, 4=delay	
104	Reverb Type	Yes	Yes	Ch 16: 0=off, 1=room, 2=hall, 3=plate, 4=spring	
105		No			
106		No			
107		No			
108		No			
109		No			
110	FX1 Parameter Control	No	Yes*	*Ch 1,2	
111	FX2 Parameter Control	No	Yes*	*Ch 1,2	
112		No			
113		No			
114		No			
115		No			
116		No			
117		No			
118		No			
119		No			
120	All Sound Off	No			
121	Reset All Controllers	Yes*	Yes	*on Preset Change	
122	Local Control On/Off	No			
123	All Notes Off	Yes*	Yes	*on Preset Change	
124	Omni Mode Off	No			
125	Omni Mode On	No			
126	Poly Mode Off	No			
127	Poly Mode ON	No			