

MIDI IMPLEMENTATION CHART

PROPHET REV2

Preliminary Exploration of MIDI CC #'s and Functions Transmitted and Received via MIDI from the Front Panel

FUNCTION	TX RX	CC#	VALUE	DESCRIPTION
NOTE ON/OFF	• •	Note		NOTE OFF/OFF
Polyphonic Key Pressure	• •	Pressure	0-127	Note
Control Change	o o	CC	0-127	Enabled CC/NPRN Values
Bank Select	o •	32	0-7	U1-4 / F1-4
Program Change	• •	PGM CNG	0-127	Changes Patch

NOTES:

Program changes must receive both the Bank CC32 (0-7) and Program Change message (0-127) in order to change banks. In Multi-Mode Midi channel is set in Global for dual and single layer patches, and Layer B is always the set channel +1. Bank and program messages sent on either channel will call individual patches for each channel independently.

Channel Pressure	• •	CH Pressure	0-127	Channel
Master Volume	• •	Volume	0-127	Master Volume Knob
Pitch Bend	• •	Pitch Bend	0-127	LS Byte MS Byte
Mod Wheel	• •	Mod Wheel		Assignable Controller
Foot Controller	• •	Foot Control		Assignable Controller
Dampen Pedal	• •	Pedal		Holds Envelopes in Sustain
OSC 1 FREQ	• •	20	0-127	Oscillator 1 frequency
OSC 1 Fine Tune	• •	21	0-127	Oscillator 1 fine tune
OSC 1 Shape	• •	22	0-4	0 - Off 1 - Sawtooth 2 - Saw + Tri 3 - Tri 4 - Pulse
OSC 1 Shape Mod	• •	30	0-127	Osc 1 waveform shape
OSC 2 FREQ	• •	24	0-127	Oscillator 2 frequency
OSC 2 Fine Tune	• •	25	0-127	Oscillator 2 fine tune
OSC 2 Shape	• •	26	0-4	0 - Off 1 - Sawtooth 2 - Saw + Tri 3 - Tri 4 - Pulse

OSC 2 Shape Mod	• •	31	0-127	Osc 2 waveform shape
OSC SYNC	x x			
SUB OSC	• •	8	0-127	Sub Oscillator Level
NOISE	• •	29	0-127	Noise Oscillator Level
OSC MIX	• •	28	0-127	Oscillator Mix Balance
OSC Slop	• •	9	0-127	Oscillator “slop” amount
FILTER CUTOFF	• •	102	0-127	
FILTER RESONANCE	• •	103	0-127	
4 Pole/2 Pole	x x			
DELAY	• •	108	0-127	
ATTACK	* *	109	0-127	
DECAY	• •	110	0-127	
SUSTAIN	• •	111	0-127	
RELEASE	• •	112	0-127	
ENV AMT	• •	106	0-127	
VELOCITY	• •	107	0-127	
KEY AMT	• •	104	0-127	
AUDIO MOD	• •	105	0-127	
PAN SPREAD	• •	114	0-127	
AMP ENV AMT	• •	115	0-127	
AMP ENV VELOCITY	• •	116	0-127	
AMP ENV DELAY	• •	117	0-127	
AMP ATTACK	• •	118	0-127	
AMP DECAY	• •	119	0-127	
AMP SUSTAIN	• •	75	0-127	
AMP RELEASE	• •	76	0-127	

AUX ENV ASSIGN

• •

85

0-52

0 - OFF	17 - LFO 3 Frequency	35 - Env 3 Decay
1 - Osc 1 Frequency	18 - LFO 4 Frequency	36 - Env All Decay
2 - Osc 2 Frequency	19 - LFO All Frequency	37 - LPF Release
3 - Osc All Frequency	20 - LFO 1 Amount	38 - VCA Release
4 - Osc Mix	21 - LFO 2 Amount	39 - Env 3 Release
5 -Noise	22 - LFO 3 Amount	40 - Env 3 All Release
6 - Sub	23 - LFO 4 Amount	41 - Mod 1 Amount
7 - Osc 1 Shape	24 - LFO All Amount	42 - Mod 2 Amount
8 - Osc 2 Shape	25 - LP Env Amount	43 - Mod 3 Amount
9 - Osc All Shape	26 - VCA Env Amount	44 - Mod 4 Amount
10 - Cutoff	27 - ENV 3 Amount	45 - Mod 5 Amount
11 - Res	28 - Env All Amount	46 - Mod 6 Amount
12 - Audio Mod	29 - LPF Attack	47 - Mod 7 Amount
13 - VCA	30 - VCA Attack	48 - Mod 8 Amount
14 - Pan	31 - Env 3 Attack	49 - Osc Slop
15 - LFO 1 Frequency	32 - Env All Attack	50 - FX Mix
16 - LFO 2 Frequency	33 - LPF Decay	51 - FX Parameter 1
	34 - VCA Decay	52 - FX Parameter 2

AUX ENV AMOUNT

• •

86

0-127

AUX ENV VELOCITY

• •

87

0-127

AUX ENV DELAY

• •

88

0-127

AUX ENV ATTACK

• •

89

0-127

AUX ENV DECAY

• •

90

0-127

AUX ENV SUSTAIN

• •

77

0-127

AUX ENV RELEASE

• •

78

0-127

MODULATION

ASSIGN SRC

x x

SELECT

x x

ASSIGN DEST

x x

AMOUNT

x x

LFO 1 - 4

Front panel controls do not appear to transmit midi data

Select

x x

Destination

x x

Freq

x x

Amount

x x

Clk Sync

x x

Key Sync

x x

EFFECT ON/OFF	• •	16	0-1	0 - OFF 1 - ON
EFFECT SELECT	• •	3	0-13	0 - OFF 1 - Delay Mono 2 - DDL Stereo 3 - BBD Delay 4 - Chorus 5 - Phaser High 6 - Phaser Low 7 - Phaser Mst 8 - Flanger 1 9 - Flanger 2 10 - Reverb 11 Ring Mod 12 - Distortion 13 - HP Filter
EFFECT MIX	• •	17	0-127	
CLK SYNC	x x			
EFFECT PARAM 1	• •	12	0-127	
EFFECT PARAM 2	• •	13	0-127	
SPLIT A/B	• •	18	1= ON 0 = OFF	
STACK A/B	• •	18	2= ON 0 = OFF	
EDIT Layer B	x x			
GLIDE	• •	65	1 = ON 0 = OFF	
GLIDE RATE	• •	23, 27	0-127	
UNISON	x x			
HOLD	x x			
ARP MODE	x x			
ARP ON/OFF	• •	33	0-1	0 - OFF, 1 - ON
CLOCK BPM	x x			
CLOCK DIVIDE	• •	15	0-12	Divide the clock rate
CLOCK TAP TEMPO	x x			
All Notes Off	• •			
Reset All Controllers	• •			Clear all CC's to 0

- Transmitted/Received from the front panel
- x Not Transmitted/Received from the front panel
- o If GLOBAL/MISC Settings are applied