

MIDI Specification

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KNOBBS:	CC#	Value Range
Type encoder	19	0-11
Time	3	0-127
Repeats	9	0-127
Mix	14	0-127
Filter	15	0-127
Grit	16	0-127
Speed	17	0-127
Depth	18	0-127

PARAMETERS:

Tap Division	21	0-4
Boost	23	0-60
Persist	22	0-1
Smear	38	0-18
High Pass	47	0-20
dTAPE - Tape Speed	58	0-1
dTAPE - Low End	59	0-20
dBUCKET - Range	45	0-1
DIGITAL - Repeat Dynamics	56	0-1
DUAL - Time 2	32	0-26
DUAL - Repeats 2	34	0-18
DUAL - Mix 2	33	0-18
DUAL - Config	36	0-1
PATTERN - Pattern	39	0-15
SWELL - Rise Time	44	0-27
TREM - Speed	61	0-34
TREM - Depth	57	0-18
TREM - LFO	29	0-4
FILTER - Q	40	0-11
FILTER - LFO	28	0-10
FILTER - Depth	41	0-18
FILTER - Speed	42	0-34
FILTER - Location	43	0-1
LO-Fi - Mix	51	0-20
LO-Fi - Vinyl	52	0-18
LO-Fi - Sample Rate	49	0-20
LO-Fi - Bit Depth	50	0-20
LO-Fi - Filter	53	0-8
ICE - interval	30	0-29
ICE - slice	46	0-2
ICE - blend	25	0-20
DUCK - Sensitivity	37	0-17
DUCK - Release	55	0-20
DUCK - Feedback	54	0-1

LOOPER:

Record	87	any
Play	86	any
Stop	85	any
Reverse (toggle)	94	any
Full/Half Speed (toggle)	95	any
Pre/Post (toggle)	96	any
Undo (to initial loop)	89	any
Redo	90	any
Looper Level	98	0-17

MIDI Patch changes:

TimeLine patches are arranged in 100 banks of 2 patches each for a total of 200 presets. MIDI access to these patches is available as MIDI program change messages. Via MIDI, the patches are numbered sequentially, for example:

BANK 1A = MIDI program # 0
 BANK 1B = MIDI program # 1
 BANK 2A = MIDI program # 2
 BANK 2B = MIDI program # 3
 BANK 3A = MIDI program # 4
 etc ...

To access patches 0-127 via MIDI, send regular program change messages. To access patches 128 to 199, first send a MIDI Patch Bank message (CC# 0) with a value of 1, then the program change message.

Other MIDI CC numbers:

	CC#	Value Range
A footswitch	80	down=0 up=127
B footswitch	82	down=0 up=127
TAP footswitch	81	down=0 up=127
Infinite Repeats	97	off=0 on=127
Remote TAP	93	any
Expression Pedal	100	0-127
Bypass	102	byp=0 eng=127

MIDI Patch Bank 0 0-1
 (value = 0 or 1, send a 0 to access patches 0 to 127
 send a 1 to access patches 128 to 199)

Looper MIDI control via MIDI note #'s:

The full time looper can also be controlled by sending MIDI note numbers with a velocity greater than zero.

Record	note 0, velocity > 0
Play	note 2, velocity > 0
Stop	note 4, velocity > 0
Reverse (toggle)	note 14, velocity > 0
Full/Half Speed (toggle)	note 16, velocity > 0
Pre/Post (toggle)	note 17, velocity > 0
Undo (to initial loop)	note 7, velocity > 0
Redo	note 9, velocity > 0

MIDI Time Clock:

TimeLine will accept MIDI clock at the MIDI input and sync delay time.