

MIDI, CC AND PC IMPLEMENTATION

This addendum shows the changes in Repeater's MIDI, CC and PC implementation from OS 1.0 to 1.1

Name	Default	PC	CC	Value	Ranges and meaning
Track 1 Record Select	0	6	80	0 - 127	64-127 (active)
Track 2 Record Select	0	7	81	0 - 127	64-127 (active)
Track 1&2 Record Select	0	14	90	0 - 127	64-127 (active) Selects stereo pair 1&2
Track 3 Record Select	0	8	82	0 - 127	64-127 (active)
Track 4 Record Select	0	9	83	0 - 127	64-127 (active)
Track 3&4 Record Select	0	15	91	0 - 127	64-127 (active) Selects stereo pair 3&4
Track 1 Level/Mute	100	16	16	0 - 127	see Appendix G
Track 2 Level/Mute	100	17	17	0 - 127	see Appendix G
Track 3 Level/Mute	100	18	18	0 - 127	see Appendix G
Track 4 Level/Mute	100	19	19	0 - 127	see Appendix G
Loop Select MSB	0	N/A	0		Selects Loop in combination with Loop Select LSB messages see Appendix A
Loop Select LSB	0	N/A	32		
Slip Track 1 Beats	0	N/A	20		Slips by beat as per Appendix B
Slip Track 1 MS	0	N/A	52		Slips between beats as per Appendix C
Slip Track 2 Beats	0	N/A	21		Slips by beat as per Appendix B
Slip Track 2 MS	0	N/A	53		Slips between beats as per Appendix C
Slip Track 3 Beats	0	N/A	22		Slips by beat as per Appendix B
Slip Track 3 MS	0	N/A	54		Slips between beats as per Appendix C
Slip Track 4 Beats	0	N/A	23		Slips by beat as per Appendix B
Slip Track 4 MS	0	N/A	55		Slips between beats as per Appendix C
Pan Track 1	64	N/A	24	0 - 127	0(full left), 64 (centre), 127(full right)
Pan Track 2	64	N/A	25	0 - 127	0(full left), 64 (centre), 127(full right)
Pan Track 3	64	N/A	26	0 - 127	0(full left), 64 (centre), 127(full right)
Pan Track 4	64	N/A	27	0 - 127	0(full left), 64 (centre), 127(full right)
Pitch Track 1 Semi	64	N/A	28	±12	Semitones as per Appendix D
Pitch Track 1 Cents	0	N/A	60	0 - 99	0-99 (cents) [99 - 127 = 99]
Pitch Track 2 Semi	64	N/A	29	±12	Semitones as per Appendix D
Pitch Track 2 Cents	0	N/A	61	0 - 99	0-99 (cents) [99 - 127 = 99]
Pitch Track 3 Semi	64	N/A	30	±12	Semitones as per Appendix D
Pitch Track 3 Cents	0	N/A	62	0 - 99	0-99 (cents) [99 - 127 = 99]
Pitch Track 4 Semi	64	N/A	31	±12	Semitones as per Appendix D
Pitch Track 4 Cents	0	N/A	63	0 - 99	0-99 (cents) [99 - 127 = 99]
BPM & Pitch MSB	64	N/A	14	0 - 127	(-75%+150%) Adjusts the Tempo and Pitch of all four tracks as a percentage of the current tempo 76 is zero shift
BPM & Pitch LSB	0	N/A	46		
Tempo MSB	64	N/A	9	0 - 127	1-240 bpm in 2 bpm increments
Tempo LSB	0	N/A	41		fine increments 0-2 bpm
Overdub Feedback Level	90	N/A	11	0 - 127	(no feedback - 100% feedback)
Overdub/Replace	90	13	105		On/Off Off=replace On=overdub
Reverse	forward	10	84	0 - 127	0-63 (forward), 64-127 (reverse)
Play	0	20	85	0 - 127	64-127 (Press)
Record	0	4	86	0 - 127	64-127 (Press)
Stop	0	21	87	0 - 127	64-127 (Press)
Play/Stop	N/A	2	88	0 - 127	64-127 (Press)

Undo	0	1	89	0 - 127	64-127 (Press)
Loop Multiply	0	0	102	0 - 127	64-127 (Press)
FX Insert	0	11	103	0 - 16	As per Appendix E
Tempo Lock	Off	N/A	104	0 - 127	0-63 (off) 64-127 (on)
Tap Tempo	0	12	68	0 - 127	64-127 (Press)
Loop Select Up	0	4	96	0 - 127	64-127 (Action)
Loop Select Down	0	5	97	0 - 127	64-127 (Action)
Dry Mute*	Off	22	107		0-63 (Off) 64-127 (On)
Erase Loop*	N/A	N/A	108		Value of 123 erases the current loop
Audio Trigger Record*	N/A	23	92		64-86 arm trigger at current programmed level. Values 87-127 arm the audio trigger at -40dB to 0 dB respectively
Advance Track Select*	N/A	24	109		64-127 (Action)
Tracks 1&2 Level /Mute*	N/A	25	110	0 - 127	See Appendix G
Tracks 3&4 Level /Mute*	N/A	26	111	0 - 127	See Appendix G
Inhibit MIDI RT Start/Stop Output*	Off	N/A	112		0-63 (off) 64-127 (on)
Internal Loop Select PC*	N/A	48 - 63	N/A		Selects Internal loop 1-16
CFC Loop Select PC*	N/A	64 - 127	N/A		Selects CFC loop 1-64

* Denotes new options in OS 1.1

Appendices can be found in the manual

