

# Rhodes MK8 MIDI Parameters

KEY:

CONTINUOUS CONTROLLER

DISCRETE CONTROLLER

FUNCTION:	DIRECTION:	CC:	NRPN:	DESCRIPTION	CC VALUES:	DISCRETE:	NOTES:
MASTER VOLUME	I	7[MSB], 39[LSB]	100	MIDI Volume	0-16383	continuous	
DRIVE	O	3[MSB], 35[LSB]	103	DRIVE AMOUNT (Pot position only)	0-16383	continuous	
FREQUENCY	IO	19[MSB], 51[LSB]	104	MID Frequency	0-16383	continuous	
RESONANCE AMOUNT	IO	21[MSB], 53[LSB]	105	MID Resonance amount	0-16383	continuous	ALT FUNCTION

FUNCTION:	DIRECTION:	CC:	NRPN:	DESCRIPTION	CC VALUES:	DISCRETE:	NOTES:
PAN ON/OFF	IO	103	106	Turns PAN ON/OFF	0, 64 (NRPN: 0-ON, 16383-OFF)	2	OFF, ON
WAVE SHAPE	IO	65	107	PAN Waveshape	0,32,64,96 (NRPN: 0,1,2,3)	4	SINE, TRI, SAW, SQUARE, SAMPLE-HOLD
PAN RANGE	IO	66	108	PAN RANGE: Low, High, Full range	0, 42, 85. (NRPN: 0,1,2)	3	LOW, HIGH, FULL
PAN RATE	IO	5[MSB], 37[LSB]	109	PAN RATE: frequency of LFO	0-16383	continuous	
PAN DEPTH	IO	20[MSB], 52[LSB]	110	PAN DEPTH: depth of LFO	0-16383	continuous	
DRIVE VCA GAIN	IO	26[MSB], 58[LSB]	111	DRIVE VCA (post-drive, pre-filter)	0-16383	continuous	ALT FUNCTION
FX SEND GAIN	IO	8[MSB], 40[LSB]	112	FX SEND VCA (pre-FX electronics)	0-16383	continuous	ALT FUNCTION
DRIVE ON/OFF	IO	67	113	Turns DRIVE circuit ON/OFF	0, 64	2	OFF, ON

FUNCTION:	DIRECTION:	CC:	NRPN:	DESCRIPTION	CC VALUES:	DISCRETE:	NOTES:
EXP1 ASSIGN	IO	68	114	EXP1 Expression Assignment	0, 32, 64, 96 (NRPN: 0,1,2,3)	4	OFF, VOL, FREQ, VOL+FREQ
EXP2 ASSIGN	IO	70	116	EXP2 Expression Assignment	0, 32, 64, 96 (NRPN: 0,1,2,3)	4	OFF, PAN RATE, PAN DEPTH, RATE+DEPTH

<b>FUNCTION:</b>	<b>DIRECTION:</b>	<b>CC:</b>	<b>NRPN:</b>	<b>DESCRIPTION</b>	<b>CC VALUES:</b>	<b>DISCRETE:</b>	<b>NOTES:</b>
<b>FX1 ASSIGN</b>	<b>IO</b>	73	<b>119</b>	FX1 Expression Assignment	0, 32, 64, 96 (NRPN: 0,1,2,3)	4	OFF, CHORUS RATE, PHASE RATE, CHORUS+PHASER RATE
<b>FX2 ASSIGN</b>	<b>IO</b>	77	<b>123</b>	FX2 Expression Assignment	0, 32, 64, 96 (NRPN: 0,1,2,3)	4	OFF, ON

<b>FUNCTION:</b>	<b>DIRECTION:</b>	<b>CC:</b>	<b>NRPN:</b>	<b>DESCRIPTION</b>	<b>CC VALUES:</b>	<b>DISCRETE:</b>	<b>NOTES:</b>
<b>COMPRESSOR ON/OFF</b>	<b>IO</b>	82	<b>128</b>	Turns COMPRESOR ON/OFF	0, 64 (NRPN: 0,1)	2	OFF, ON
<b>COMPRESSOR MAKEUP</b>	<b>IO</b>	9[MSB], 41[LSB]	<b>129</b>	COMPRESSOR Makeup Gain	0-16383	continuous	
<b>COMPRESSOR AMOUNT</b>	<b>IO</b>	10[MSB], 42[LSB]	<b>130</b>	COMPRESSOR Amount	0-16383	continuous	
<b>COMPRESSOR RATIO</b>	<b>IO</b>	11[MSB], 43[LSB]	<b>131</b>	COMPRESSOR Ratio	0-16383	continuous	ALT FUNCTION

<b>FUNCTION:</b>	<b>DIRECTION:</b>	<b>CC:</b>	<b>NRPN:</b>	<b>DESCRIPTION</b>	<b>CC VALUES:</b>	<b>DISCRETE:</b>	<b>NOTES:</b>
<b>CHORUS ON/OFF</b>	<b>IO</b>	83	<b>135</b>	Turns CHORUS ON/OFF	0, 64 (NRPN: 0,1)	2	OFF, ON
<b>CHORUS RATE</b>	<b>IO</b>	15[MSB], 47[LSB]	<b>136</b>	CHORUS Rate	0-16383	continuous	
<b>CHORUS DEPTH</b>	<b>IO</b>	16[MSB], 48[LSB]	<b>137</b>	CHORUS Depth	0-16383	continuous	
<b>CHROUS FREQUENCY</b>	<b>IO</b>	17[MSB], 49[LSB]	<b>138</b>	CHORUS Frequency	0-16383	continuous	ALT FUNCTION

<b>FUNCTION:</b>	<b>DIRECTION:</b>	<b>CC:</b>	<b>NRPN:</b>	<b>DESCRIPTION</b>	<b>CC VALUES:</b>	<b>DISCRETE:</b>	<b>NOTES:</b>
<b>PHASER ON/OFF</b>	<b>IO</b>	84	<b>141</b>	Turns PHASER ON/OFF	0, 64 (NRPN: 0,1)	2	OFF, ON
<b>PHASER RATE</b>	<b>IO</b>	22[MSB], 54[LSB]	<b>142</b>	PHASER Rate	0-16383	continuous	
<b>PHASER DEPTH</b>	<b>IO</b>	23[MSB], 55[LSB]	<b>143</b>	PHASER Depth	0-16383	continuous	
<b>PHASER FREQUENCY</b>	<b>IO</b>	24[MSB], 56[LSB]	<b>144</b>	PHASER Frequency	0-16383	continuous	ALT FUNCTION

FUNCTION:	DIRECTION:	CC:	NRPN:	DESCRIPTION	CC VALUES:	DISCRETE:	NOTES:
DELAY ON/OFF	IO	85	147	Turns DELAY ON/OFF	0, 64 (NRPN: 0,1)	2	OFF, ON
DELAY TIME	IO	27[MSB], 59[LSB]	148	DELAY Time	0-16383	continuous	
DELAY FEEDBACK	IO	28[MSB], 60[LSB]	149	DELAY Feedback Amount	0-16383	continuous	
DELAY MIX	IO	29[MSB], 61[LSB]	150	DELAY Mix	0-16383	continuous	
DELAY SPREAD	IO	30[MSB], 62[LSB]	151	DELAY Spread	0-16383	continuous	ALT FUNCTION
DELAY JITTER	IO	31[MSB], 63[LSB]	152	DELAY Jitter	0-16383	continuous	ALT FUNCTION

14-BIT MODE	I	102	n/a	turns on/off 14-bit MIDI mode	0, 64	2	
EXPRESSION PEDAL 1	O	90	157	EXP1 output	0-16383	continuous	
EXPRESSION PEDAL 2	O	91	158	EXP2 output	0-16383	continuous	

## Rhodes MK8 MIDI Parameters *(NRPN Values follow MIDI, promoted to 14-bit (NRPN MSB value = CC MSB / 7bit value))*

NRPN DATA ENTRY	IO	6[MSB], 38[LSB]
CC NUMBER (NRPN)	IO	99[MSB], 98[LSB]

EXAMPLE NRPN MESSAGE:	CC:	VALUE:
NRPN MSB	99	X
NRPN LSB	98	X
DATA MSN	6	X
DATA LSB	38	X
RPN NULL	101	127
RPN NULL	100	127

## Keyboard Features

FUNCTION:	DIRECTION:	MESSAGE:		DESCRIPTION	CC VALUES:	DISCRETE:	NOTES:
NOTE ON / NOTE OFF	O	ON: 0X90	Note #, Velocity	NOTE On and NOTE OFF Message	0 - 127	notes	NOTE # and VELOCITY
SUSTAIN PEDAL	O	64	64	Sustain CC	0, 64 [0-127 in continuous mode]	2, continuous	SUSTAIN ON/OFF
POLYPHONIC PRESSURE	O	A0	Note #, Pressure	Polyphonic After-Pressure Message	0-127	continuous	POLYPHONIC AFTER-PRESSURE

**NOTE:** To preserve the fully analogue integrity of specific sections of the preamp, the following controls are not digitally scanned: **ENV AMOUNT, LOW, GAIN, and HIGH**. As such, these will not generate or respond to any MIDI CC messages. **DRIVE** will generate but not respond to MIDI CC3.