

B4 MIDI controllers

On-screen Control	MIDI Controller Number	Control kind
Upper Manual Drawbars (9)	12-20	a
Lower Manual Drawbars (9)	21-29 (or 12-20 on MIDI channel 2)	a
Pedal Drawbars (6)	33-38 (or 12-17 on MIDI channel 3)	a
Vibrato Lower	30 (or 31 on MIDI channel 2)	b
Vibrato Upper	31	b
Percussion On/Off	66	b
Overdrive On/Off	67	b
Rotary On/Off	68	b
Velocity Sensitivity	69	b
Expression Pedal	11 (expression)	a
Rotary Speaker Speed (Fast/Slow)	1 (mod wheel)	a
Percussion Volume	70	a
Percussion Decay	71	a
Percussion Harmonic	72	a
Vibrato Mix	73	a
Vibrato Depth	74	a
Keyclick Amount	75	a
Tube Amp Drive	76	a
Tube Amp Volume	7 (volume)	a
Tube Amp Body	78	a
Tube Amp Brightness	79	a
Rotary Speaker-Treble Tone	80	a
Rotary Speaker-Treble Horn Slow Speed	81	a
Rotary Speaker-Treble Horn Fast Speed	82	a
Rotary Speaker-Treble Horn Acceleration	83	a
Rotary Speaker-Bass Horn Tone	90	a
Rotary Speaker-Bass Horn Slow Speed	91	a
Rotary Speaker-Bass Horn Fast Speed	92	a
Rotary Speaker-Bass Horn Acceleration	93	a
Microphone Treble/Bass Balance	8	a
Microphone Pan	10	a
Microphone Spread	9	a
Microphone Distance (from speaker)	3	a

NOTES:

- this table is pre-printed as it is shown on **B4 User Manual**. (pages 55-56) without NO changes.
- controller kinds: **a** – continuous (analogous), **b** – on/off

B4 drawbars mapping

Drawbar position	Drawbar value (hexadecimal)
0	00
1	0A
2	1E
3	2D
4	3C
5	4E
6	63
7	72
8	7F

B4 keyboard

Keyboard division	MIDI channel	Starting note	Keys in division
Upper keyboard	1	C3(36)	61
Lower keyboard	2	C3(36)	61
Pedal board	3	C3(36)	25

NOTE:

- these assignments are caught using Virtual Piano to control B4 keyboards