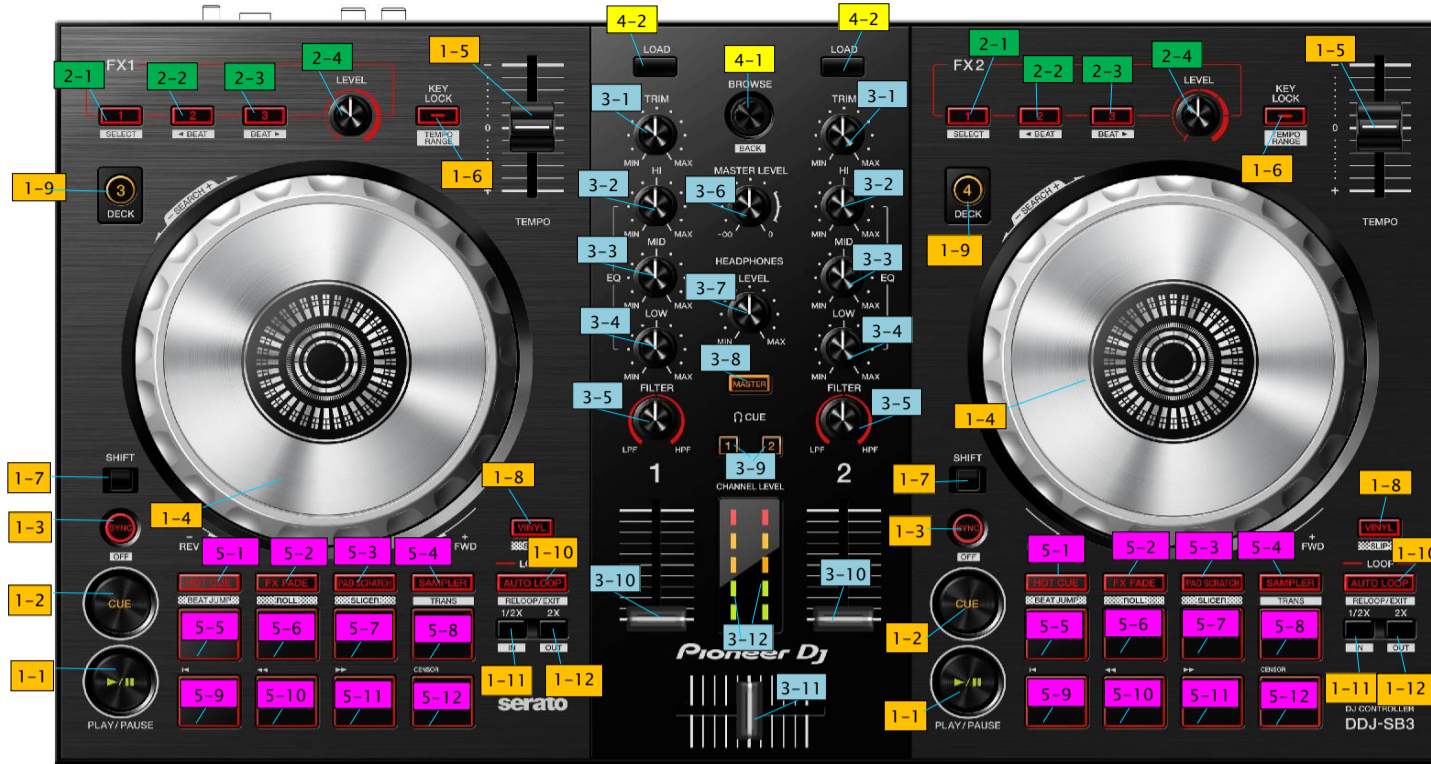


DDJ-SB3

List of MIDI messages ver. 1.01



[MIDI channel assignment]

MIDI channel is defined as shown below.
 0x9* : Note * : value of channel No.(n/m/p)
 0xB* : Control Change (CC)

Channel Category	MIDI Channel	channel No. (hex)
DECK1	1	n=0
DECK2	2	n=1
FX DECK1	5	m=4
FX DECK2	6	m=5
Browser/Global Section	7	m=6
PERFORMANCE PAD (DECK1)	8	p=7
PERFORMANCE PAD (DECK2)	9	p=8
MIDI-OUT communication CH1	12	m=B
MIDI-OUT communication CH2	13	m=C

1 As a reference for MIDI assign, MIDI message sent from buttons and knobs of this controller are listed in decimal numbers and English scale. Please utilize this reference depending on the notation of your MIDI compatible software.

NOTE is a term used for MIDI to express that a key of a keyboard or a piano is pressed or your finger is released from it. CC is an abbreviation of "Control Change". Control Change is a kind of MIDI message used to communicate many kinds of control information such as sound quality and volume level. English scale uses alphabetical letters of C, D, E, F, G, A and B as well as # to indicate half-tone.

Group	Fig.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Note (Data2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC (Dec)	(English scale)	(Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
1. DECK	1	PLAY/PAUSE	+SHIFT	press		1/2	NOTE 11	B-1	9n	0B	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)		
	2	CUE	+SHIFT	press		1/2	NOTE 71	B4	9n	47	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)		
	3	SYNC	+SHIFT	press		1/2	NOTE 12	C0	9n	0C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)		
	4	JOG DIAL (Platter)	+SHIFT	rotate	Vinyl On	1/2	CC 34	-	Bn	22	hh			Difference count value from when previous operated	
					Vinyl Off	1/2	CC 35	-	Bn	23	hh			When turned clockwise: Increases from 65(0x41)	
						1/2	NOTE 34	F#3	9n	1F	hh			When turned counterclockwise: Decreases from 63(0x3F)	
						1/2	NOTE 103	G7	9n	67	hh			OFF=0x00, ON=0x7F	
	5	JOG DIAL (Wheel side)	+SHIFT	rotate		1/2	CC 33	-	Bn	21	hh			Difference count value from when previous operated	
						1/2	CC 38	-	Bn	26	hh			When turned clockwise: Increases from 65(0x41)	
	6	TEMPO	+SHIFT	slide		1/2	CC 0	-	Bn	00	MSB LSB			Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F)	
						1/2	CC 5	-	Bn	05	MSB LSB			*- side : 0	
	2. EFFECT	1	FX1-1 ON	+SHIFT	press		5/6	NOTE 71	B4	9m	47	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)	
2		FX1-2 ON	+SHIFT	press		5/6	NOTE 72	C5	9m	48	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)		
3		FX1-3 ON	+SHIFT	press		5/6	NOTE 73	C5	9m	49	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)		
4		FX1 LEVEL		rotate		5/6	NOTE 101	F7	9m	65	hh			Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F)	
						5/6	CC 2	-	Bm	02	MSB LSB			When turned fully counterclockwise: 0	
						5/6	CC 4	-	Bm	04	MSB LSB			When turned fully clockwise: 16383	
						5/6	CC 36	-	Bm	24	MSB LSB			When turned fully counterclockwise: 0	
5		FX2 LEVEL		rotate		5/6	NOTE 100	E7	9m	64	hh			Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F)	
						5/6	CC 6	-	Bm	06	MSB LSB			When turned fully counterclockwise: 0	
						5/6	CC 38	-	Bm	26	MSB LSB			When turned fully clockwise: 16383	
						5/6	CC 18	-	Bm	12	MSB LSB			When turned fully counterclockwise: 0	

9	PERFORMANCE PAD 5	press	+SHIFT	in HOT CUE mode	8/9	NOTE	4	E-1	9p	04	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	12	C0	9p	0C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	20	G#0	9p	14	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	28	E1	9p	1C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	36	C2	9p	24	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	44	G#2	9p	2C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SLICER mode	8/9	NOTE	52	E3	9p	34	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	60	C4	9p	3C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	68	G#4	9p	44	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	76	E5	9p	4C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	84	C6	9p	54	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	92	G#6	9p	5C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	100	E7	9p	64	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	108	C8	9p	6C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
10	PERFORMANCE PAD 6	press	+SHIFT	in HOT CUE mode	8/9	NOTE	116	G#8	9p	74	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	124	E9	9p	7C	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	5	F-1	9p	05	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	13	C#0	9p	0D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	21	A0	9p	15	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	29	F1	9p	1D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SLICER mode	8/9	NOTE	37	C#2	9p	25	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	45	A2	9p	2D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	53	F3	9p	35	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	61	C#4	9p	3D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	69	A4	9p	45	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	77	F5	9p	4D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	85	C#6	9p	55	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	93	A6	9p	5D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
11	PERFORMANCE PAD 7	press	+SHIFT	in SLICER mode	8/9	NOTE	101	F7	9p	65	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	109	C#8	9p	6D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	117	A8	9p	75	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	125	F9	9p	7D	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	6	F#-1	9p	06	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	14	D0	9p	0E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	22	A#0	9p	16	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	30	F#1	9p	1E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SLICER mode	8/9	NOTE	38	D2	9p	26	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	46	A#2	9p	2E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	54	F#3	9p	36	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	62	D4	9p	3E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	70	A#4	9p	46	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	78	F#5	9p	4E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
12	PERFORMANCE PAD 8	press	+SHIFT	in BEAT JUMP mode	8/9	NOTE	86	D6	9p	56	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	94	A#6	9p	5E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SLICER mode	8/9	NOTE	102	F#7	9p	66	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	110	D8	9p	6E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	118	A#8	9p	76	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	126	F#9	9p	7E	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in PAD SCRATCH mode	8/9	NOTE	7	G-1	9p	07	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SAMPLER mode	8/9	NOTE	15	D#0	9p	0F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in BEAT JUMP mode	8/9	NOTE	23	B0	9p	17	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in ROLL mode	8/9	NOTE	31	G1	9p	1F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in SLICER mode	8/9	NOTE	39	D#2	9p	27	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in TRANS mode	8/9	NOTE	47	B2	9p	2F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in HOT CUE mode	8/9	NOTE	55	G3	9p	37	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
			+SHIFT	in FX FADE mode	8/9	NOTE	63	D#4	9p	3F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)
+SHIFT	in PAD SCRATCH mode	8/9	NOTE	71	B4	9p	47	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in SAMPLER mode	8/9	NOTE	79	G5	9p	4F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in BEAT JUMP mode	8/9	NOTE	87	D#6	9p	57	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in ROLL mode	8/9	NOTE	95	B6	9p	5F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in SLICER mode	8/9	NOTE	103	G7	9p	67	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in TRANS mode	8/9	NOTE	111	D#8	9p	6F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in HOT CUE mode	8/9	NOTE	119	B8	9p	77	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			
+SHIFT	in FX FADE mode	8/9	NOTE	127	G9	9p	7F	hh	-- Same as MIDI-IN	OFF=0(0x00), ON=127(0x7F)			