

DDJ-SB2

List of MIDI messages ver. 1.00



[MIDI channel assignment]
MIDI channel is defined as shown below.

0x9* :Note 0xB* :Control Change(CC)

Channel Category	MIDI Channel	channel No. (hex)
DECK1	1	n=0
DECK2	2	n=1
DECK3	3	n=2
DECK4	4	n=3
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
PERFORMANCE PAD (DECK3)	10	p=9
PERFORMANCE PAD (DECK4)	11	p=A
MIDI-OUT communication	12	m=B

- 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 halftone.

			MIDI assign reference					MIDI-IN to computer			IIDI-OUT n compute	er)				
Group	Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE /	MIDI Data	(English	Status (Hex)	Data 1	Data 2		Data 1	Data 2	Note (Data2)
:K						1/2/3/4	NOTE	11	scale) B-1	9n	0B	hh	` ′	ne as MID		OFF=0(0x00), ON=127(0x7F)
ı.	1	PLAY/PAUSE	+SHIFT press			1/2/3/4	NOTE	71	B4	9n	47	hh		ne as MIE		OFF=0(0x00), ON=127(0x7F)
	2	CUE	proce	press		1/2/3/4	NOTE	12	C0	9n	0C	hh		ne as MID		OFF=0(0x00), ON=127(0x7F)
			+SHIFT	p. 000		1/2/3/4	NOTE	72 88	C5	9n 9n	48	hh		ne as MID		OFF=0(0x00), ON=127(0x7F)
	3	SYNC	+SHIFT	press		1/2/3/4	NOTE	92	E6 G#6	9n 9n	58 5C	hh hh		ne as MID		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			1		Vinyl On	1/2/3/4	CC	34	-	Bn	22	hh				Difference count value from when previous operated
				rotate	Vinyl Off	1/2/3/4	CC	35	-	Bn	23	hh				When turned clockwise: Increases from 65(0x41)
		JOG DIAL (Platter)	+SHIFT		Vinvl On	1/2/3/4 1/2/3/4	NOTE	31 54	- F#3	Bn 9n	1F 36	hh hh				When turned counterclockwise: Decreases from 63(0x3F) OFF=0(0x00), ON=127(0x7F)
		(Flatter)		touch	Vinyl Off	1/2/3/4	NOTE	53	F#3	9n 9n	35	hh			-	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	4		+SHIFT	104011		1/2/3/4	NOTE	103	G7	9n	67	hh				OFF=0x00, ON=0x7F
		JOG DIAL		rotate		1/2/3/4	СС	33	-	Bn	21	hh				Difference count value from when previous operated When turned clockwise: Increases from 65(0x41)
		(Wheel side)	+SHIFT			1/2/3/4	CC	38	_	Bn	26 00	hh				When turned counterclockwise: Decreases from 63(0x3F)
	5	TEMPO +SHIFT		slide		1/2/3/4	СС	0 32 5	-	Bn	20	MSB LSB MSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) "-" side : 0
			+SHIFT			1/2/3/4	CC	37	_	Bn	25	LSB				"+" side : 16383
	6		<u> </u>	press		1/2/3/4	NOTE	23	B0	9n	17	hh		ne as MID		OFF=0(0x00), ON=127(0x7F)
		*****	+SHIFT	p. 000		1/2/3/4 1/2/3/4	NOTE NOTE	78	F#5 D1	9n	4E	hh hh	← Same as MIDI-IN ← Same as MIDI-IN			OFF=0(0x00), ON=127(0x7F)
	7	KEYLOCK	+SHIFT	press		1/2/3/4	NOTE	26 96	C7	9n 9n	1A 60	hh		ne as MID		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	8	SHIFT	1011111	press		1/2/3/4	NOTE	63	D#4	9n	3F	hh	- Ouii		/	LED are lit by DDJ-SB
	7	DECK	1.	press		1/2/3/4	NOTE	114	F#8	9n	72	hh	← MI	IDI-INと同	ĺΰ	OFF=0(0x00), ON=127(0x7F)
		DECK	+SHIFT	press		1/2/3/4	NOTE	115	G8	9n	73	hh	← MI	IDI-INと同	ال	OFF=0(0x00), ON=127(0x7F)
	9	CROSSFADER	+SHIFT	+SHIFT slide		7	СС	31 63	-	В6	1F 3F	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) left edge: 0, right edge: 16383
		CH FADER		slide		1/2/3/4	СС	19 51	-	Bn	13 33	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) bottom end: 0, top end: 16383
	10		+SHIFT		Zero → not Zero	1/2/3/4	NOTE	102	F#7	9n	66	hh				PLAY message only for CH fader start OFF=0(0x00), ON=127(0x7F) SYNC message only for CH fader start
						1/2/3/4	NOTE	81	A5	9n	51	hh				OFF=0(0x00), ON=127(0x7F) CUE message only for CH fader start
			+SHIFT		Not Zero →Zero	1/2/3/4	NOTE	82	A#5	9n	52	hh				OFF=0(0x00), ON=127(0x7F) 最小の(MSB:0x00 LSB:0x00)-最大16383(MSB:0x7F LSB:0x7F)
	11	TRIM		rotate		1/2/3/4	CC	4 36	-	Bn	04 24	MSB LSB				最小(WBB.0xxx) とB.0xxx() ・最大 10005(WBB.0xx) とB.0xx() ケ 右回しきり: 0 右回しきり: 16383
	11	EQ HIGH		rotate		1/2/3/4	СС	7 39	1	Bn	07 27	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
	12	EQ MID		rotate		1/2/3/4	СС	11 43	-	Bn	0B 2B	MSB LSB			$\overline{}$	Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
	13	EQ LOW		rotate		1/2/3/4	СС	15 47	_	Bn	0F 2F	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
					CH1 Filter	7	СС	23 55	_	В6	17 37	MSB LSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
					CH2 Filter	7	СС	24 56	-	В6	18 38	MSB LSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
	14	FILTER		rotate	CH3 Filter	7	СС	25 57	_	В6	19 39	MSB LSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully clockwise: 16383 When turned fully clockwise: 16383



					CH4 Filter	7	СС	26 58	_	В6	1A 3A	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
	┢	CUE				1/2/3/4	NOTE	84	C6	9n	54	hh	∠ Sai	ne as MI	DI-IN	When turned fully clockwise: 16383 OFF=0(0x00), ON=127(0x7F)
	15	(Headphone)	+SHIFT	press		1/2/3/4	NOTE	104	G#7	9n	68	hh		ne as MI		OFF=0(0x00), ON=127(0x7F)
	16	MASTER LEVEL		rotate												
	17	HEADPHONES MIX		rotate		7	СС	5 37	_	B6	05 25	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
	18	HEADPHONES		rotate				31			25	LOB		-		When turned fully clockwise: 16383
	19	VOL FILTER FADE		press							-			-	-	LED are lit by DDJ-SB
	19	CH Level Indicator		proce			-				-		Bn	02	hh	Min 0(0x00)*Max 127(0x7F)
EFFECT						5	NOTE	71	B4	94	47	hh		ne as MI		OFF=0(0x00), ON=127(0x7F)
	20	FX1-1 ON	+SHIFT	press		5	NOTE	99	D#7	94	63	hh		ne as MI		LED are lit by DDJ-SB or by MIDI-OUT OFF=0(0x00), ON=127(0x7F)
	22	FX1-2 ON		press		5	NOTE	72	C5	94	48	hh		ne as MI		OFF=0(0x00), ON=127(0x7F) LED are lit by DDJ-SB or by MIDI-OUT
	_		+SHIFT	_		<u>5</u>	NOTE NOTE	73	E7 C#5	94 94	64 49	hh hh		<mark>ne as MI</mark> ne as MI		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	25	FX1-3 ON	+SHIFT			5	NOTE	101	F7	94	65	hh		ne as MI		LED are lit by DDJ-SB or by MIDI-OUT OFF=0(0x00), ON=127(0x7F)
		FX1-1				5	СС	2 34	_	B4	02 22	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
		FX1-2	+SHIFT			5	СС	4		B4	04	MSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
	23	171-2		rotate			00	36		54	24	LSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F)
		FX1-3				5	СС	6 38	_	B4	06 26	MSB LSB				When turned fully clockwise: 16383
		FX1 BEATS				5	СС	0	_	B4	00	MSB				Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
						6	NOTE	32 71	B4	95	20 47	LSB	. 0-	ne as MI	DI IN	When turned fully clockwise: 16383 OFF=0(0x00), ON=127(0x7F)
	21	FX2-1 ON	+SHIFT			6	NOTE	99	D#7	95	63	hh hh		ne as Mi		LED are lit by DDJ-SB or by MIDI-OUT OFF=0(0x00), ON=127(0x7F)
	24	FX2-2 ON				6	NOTE	72	C5	95	48	hh		ne as MI		OFF=0(0x00), ON=127(0x7F) LED are lit by DDJ-SB or by MIDI-OUT
	<u> </u>		+SHIFT			6	NOTE	100 73	E7 C#5	95 95	64 49	hh hh		ne as MI ne as MI		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	26	FX2-3 ON	+SHIFT			6	NOTE	101	F7	95	65	hh		ne as MI		LED are lit by DDJ-SB or by MIDI-OUT OFF=0(0x00), ON=127(0x7F)
		FX2-1				6	СС	2 34	_	B5	02 22	MSB LSB				Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16323
		FX2-2	rotate			6	СС	4	_	B5	04	MSB				When turned fully clockwise: 16383 Min 0(MSB:0x00 LSB:0x00)~Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
	27	FA2-2		rotate		"		36		ВЭ	24	LSB			/	When turned fully counterclockwise: 0 When turned fully clockwise: 16383 Min 0(MSB:0X00 LSB:0X00)-Max 16383(MSB:0x7F LSB:0x7F)
		FX2-3				6	СС	6 38	_	B5	06 26	MSB LSB				When turned fully clockwise: 16383
		FX2 BEATS	+SHIFT			6	СС	0	_	B5	00	MSB				Min 0(MSB:0x00 LSB:0x00)-Max 16383(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0
BROWSER								32			20	LSB				When turned fully clockwise: 16383
				rotate		7	СС	64	_	В6	40	hh				Difference count value from when previous operated Turn clockwise: 1~30(0x01~0x1E)
	27	BROWSE	+SHIFT			7	CC	100	_	B6	64	hh				Turn counterclockwise: 127~98(0x7F~0x62)
			+SHIFT	press		7 7 7	NOTE NOTE	65 66 70	F4 F#4 A#4	96 96 96	41 42 46	hh hh hh		=		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	31		+SHIFT		Deck1	7 7	NOTE NOTE	88 72	E6 C5	96 96	58 48	hh				OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
		LOAD	+SHIFT	press	Deck3 Deck2	7	NOTE NOTE	90 71	F#6 B4	96 96	5A 47	hh hh				OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	32		+SHIFT		Deck4	7 7	NOTE NOTE	89 73	F6 C#5	96 96	59 49	hh hh				OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
PERFOR-				+SHIFT	in HOT CUE mode	7 8/9/A/B	NOTE	91	G6 C-1	96 9p	5B 00	hh		ne as MI		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
MANCE PADS HOT CUE		PERFORMANCE PAD 1 + + + + + + + + + + + + + + + + + +		+SHIFT	in AUTO LOOP mode	8/9/A/B 8/9/A/B	NOTE	16	G#-1 E0	9p 9p	10	hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
AUTO LOOP MANUAL LOOP			+SHIFT +SHIFT +SHIFT press +SHIFT		in MANUAL LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B	NOTE NOTE	24 32 40	G#1 E2	9p 9p 9p	18 20 28	hh hh	← Sai	ne as MI ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
SAMPLER				9	in SAMPLER mode	8/9/A/B 8/9/A/B	NOTE NOTE	48	C3 G#3	9p 9p	30 38	hh	← Sai	ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	31			press	in HOT CUE 5-8 mode	8/9/A/B 8/9/A/B	NOTE NOTE	64 72	E4 C5	9p 9p	40	hh hh	← Sai	ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in ROLL mode	8/9/A/B 8/9/A/B	NOTE NOTE	80	G#5 E6	9p 9p	50 58	hh hh	← Sai	ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in HOT LOOP mode	8/9/A/B 8/9/A/B	NOTE NOTE	96 104	C7 G#7	9p 9p	60 68	hh hh		ne as MI <mark>ne as MI</mark>		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in BANK mode	8/9/A/B 8/9/A/B	NOTE NOTE	112 120	E8 C9	9p 9p	70 78	hh hh		ne as MI ne as MI		OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in HOT CUE mode	8/9/A/B 8/9/A/B	NOTE NOTE	9	C#-1 A-1	9p 9p	01 09	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in AUTO LOOP mode	8/9/A/B 8/9/A/B	NOTE	17 25	F0 C#1	9p 9p	11 19	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in MANUAL LOOP mode	8/9/A/B 8/9/A/B	NOTE	33 41	F2	9p 9p	21	hh hh	← Saı	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	32	PERFORMANCE PAD 2	+SHIFT	press	in SAMPLER mode	8/9/A/B 8/9/A/B 8/9/A/B	NOTE NOTE	49 57 65	C#3 A3 F4	9p 9p 9p	31 39 41	hh hh hh	← Sai	ne as MI <mark>ne as MI</mark> ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in HOT CUE 5-8 mode	8/9/A/B 8/9/A/B	NOTE NOTE	73 81	C#5 A5	9p 9p 9p	41 49 51	hh hh	← Sai	ne as Mi <mark>ne as Mi</mark> ne as Mi	DI-IN	OFF=0(0x00), ON=127(0x/F) OFF=0(0x00), ON=127(0x/F) OFF=0(0x00), ON=127(0x/F)
			+SHIFT	•	in ROLL mode	8/9/A/B 8/9/A/B	NOTE NOTE	89 97	F6 C#7	9p 9p	59 61	hh	← Saı	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in HOT LOOP mode	8/9/A/B 8/9/A/B	NOTE NOTE	105 113	A7 F8	9p 9p	69 71	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	\vdash				in BANK mode in HOT CUE mode	8/9/A/B 8/9/A/B	NOTE NOTE	121 2	C#9 D-1	9p 9p	79 02	hh hh	← Saı ← Saı	<mark>ne as MI</mark> ne as MI	<mark>DI-IN</mark> DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
					in AUTO LOOP mode	8/9/A/B 8/9/A/B	NOTE NOTE	10 18	A#-1 F#0	9p 9p	0A 12	hh hh	← Saı ← Saı	<mark>ne as MI</mark> ne as MI	DI-IN DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
					in MANUAL LOOP mode	8/9/A/B 8/9/A/B	NOTE	26 34	D1 A#1	9p 9p	1A 22	hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
					in SAMPLER mode	8/9/A/B 8/9/A/B	NOTE	42 50	F#2 D3	9p 9p	2A 32	hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	33	PERFORMANCE PAD 3		press	in HOT CUE 5-8 mode	8/9/A/B 8/9/A/B	NOTE	58 66	A#3 F#4	9p 9p	3A 42	hh hh	← Sai	ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT	•	in ROLL mode	8/9/A/B 8/9/A/B	NOTE	81	D5 A#5	9p 9p	4A 52	hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT	•	in HOT LOOP mode		NOTE NOTE		F#6 D7 Δ#7	9p 9p	5A 62	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT +SHIFT		in BANK mode	8/9/A/B 8/9/A/B 8/9/A/B			A#7 F#8 D9	9p 9p 9p	6A 72 7A	hh hh hh	← Sai	ne as MI ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in HOT CUE mode	8/9/A/B 8/9/A/B 8/9/A/B	NOTE	3 11	D#-1 B-1	9p 9p 9p	03 0B	hh hh	← Sai	ne as Mi ne as Mi ne as Mi	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT		in AUTO LOOP mode	8/9/A/B 8/9/A/B		19	G0 D#1	9p 9p	13 1B	hh	← Sai	ne as Mi ne as Mi	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
				1	in MANUAL LOOP mode	8/9/A/B 8/9/A/B	NOTE	35 43	B1 G2	9p 9p	23 2B	hh	← Saı	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT			8/9/A/B 8/9/A/B		51 59	D#3 B3	9p 9p	33 3B	hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	24	PERFORMANCE DAD 41	+SHIFT	press	in SAMPLER mode			67	G4	9p	43 4B	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F)
	34	PERFORMANCE PAD 4		press	in SAMPLER mode	8/9/A/B 8/9/A/B	NOTE	75	D#5	9p						OFF=0(0x00), ON=127(0x7F)
	34	PERFORMANCE PAD 4	+SHIFT	press		8/9/A/B 8/9/A/B 8/9/A/B	NOTE NOTE	83 91	B5 G6	9p 9p	53 5B	hh hh	← Sai	ne as MI ne as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	34	PERFORMANCE PAD 4	+SHIFT	press	in HOT CUE 5-8 mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B	NOTE NOTE NOTE	83 91 99 107	B5 G6 D#7 B7	9p 9p 9p 9p	53 5B 63 6B	hh hh hh	← Sai ← Sai ← Sai	ne as MI ne as MI ne as MI	DI-IN DI-IN DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
			+SHIFT +SHIFT +SHIFT	press	in HOT CUE 5-8 mode in ROLL mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B	NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123	B5 G6 D#7 B7 G8 D#9	9p 9p 9p 9p 9p 9p	53 5B 63 6B 73 7B	hh hh hh hh hh	← Sai ← Sai ← Sai ← Sai ← Sai	me as MI me as MI me as MI me as MI me as MI	DI-IN DI-IN DI-IN DI-IN DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	35	HOT CUE mode	+SHIFT +SHIFT +SHIFT +SHIFT	press	in HOT CUE 5-8 mode in ROLL mode in HOT LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 1/2/3/4	NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123 27 105	B5 G6 D#7 B7 G8 D#9 D#1	9p 9p 9p 9p 9p 9p 9p 9n	53 5B 63 6B 73 7B 1B 69	hh hh hh hh hh	← Saı	me as MI me as MI me as MI me as MI me as MI me as MI me as MI	DI-IN DI-IN DI-IN DI-IN DI-IN DI-IN DI-IN DI-IN	OFF=0(0x00), ON=127(0x7F)
	35 36	HOT CUE mode AUTO LOOP mode	+SHIFT +SHIFT +SHIFT +SHIFT +SHIFT	press	in HOT CUE 5-8 mode in ROLL mode in HOT LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 1/2/3/4	NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123 27	B5 G6 D#7 B7 G8 D#9 D#1	9p 9p 9p 9p 9p 9p 9p	53 5B 63 6B 73 7B 1B	hh hh hh hh hh		me as MI me as MI me as MI me as MI me as MI me as MI	DI-IN	OFF=0(0x00), ON=127(0x7F)
	35 36 37	HOT CUE mode AUTO LOOP mode MANUAL LOOP mode	+SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT	press press press	in HOT CUE 5-8 mode in ROLL mode in HOT LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 1/2/3/4 1/2/3/4 1/2/3/4	NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123 27 105 30 107	B5 G6 D#7 B7 G8 D#9 D#1 A7 F#1	9p 9p 9p 9p 9p 9p 9p 9n 9n 9n	53 5B 63 6B 73 7B 1B 69 1E 6B	hh hh hh hh hh hh hh		me as MI	DI-IN	OFF=0(0x00), ON=127(0x7F)
	35 36 37 38	HOT CUE mode AUTO LOOP mode MANUAL LOOP mode SAMPLER mode	+SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT	press press press press	in HOT CUE 5-8 mode in ROLL mode in HOT LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4	NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123 27 105 30 107 32 109 34 111 112	B5 G6 D#7 B7 G8 D#9 D#1 A7 F#1 B7 G#1 C#8 A#1 D#8 E8	9p 9p 9p 9p 9p 9p 9n 9n 9n 9n 9n 9n 9n	53 58 63 68 73 78 18 69 1E 68 20 6D 22 6F 70	hh		me as MI	DI-IN	OFF=0(0x00), ON=127(0x7F) OFF=0(0x00), ON=127(0x7F)
	35 36 37	HOT CUE mode AUTO LOOP mode MANUAL LOOP mode	+SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT +SHIFT	press press press	in HOT CUE 5-8 mode in ROLL mode in HOT LOOP mode	8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 8/9/A/B 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4 1/2/3/4	NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE	83 91 99 107 115 123 27 105 30 107 32 109 34 111 112	B5 G6 D#7 B7 G8 D#9 D#1 A7 F#1 B7 G#1 C#8 A#1 D#8	9p 9p 9p 9p 9p 9p 9n 9n 9n 9n 9n 9n 9n	53 5B 63 6B 73 7B 1B 69 1E 6B 20 6D 22 6F	hh		me as MI	DI-IN	OFF=0(0x00), ON=127(0x7F)



MIDI OUT

	MIDI-OUT															
			L	MIDI assign reference			MIDI assign reference				MIDI-IN			MIDI-OUT		
	IV.		ıdı assıyı	Helefelic	е	(to computer)			(fro	m comput	er)					
	Group	Communication name	MIDI	NOTE /	MIDI Data (Data1)		Status	Data 1	Data 2	Status	Data 1	Data 2	Details (Data2)			
				CC	(Dec)	(English scale)	(Hex)	(Hex)	(Hex)	(Hex)	(Hex)	(Hex)				
	Other	D.I.Ann. Connect	12	NOTE	۵	Λ 1				QΒ	nα	hh	connected = 0v00~0v7E(any value)			

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