Pioneer DJ

DDJ-SX3
List of MIDI messages version 1.00

.UI function& MIDI map

【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	*(Hex)
DECK1	1	n=0
DECK2	2	n=1
DECK3	3	n=2
DECK4	4	n=3
FX DECK1/DECK3	5	m=4
FX DECK2/DECK4	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

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.

Group	Fig.	User interface				MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
								(Dec)	(English scale)							
1.DECK																
	1	PLAY/PAUSE		press		1/2/3/4	NOTE	11	B-1	9n	0B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	2	CUE		press		1/2/3/4	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	3	SYNC		press		1/2/3/4	NOTE	93	A6	9n	5D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	4	SHIFT		press		1/2/3/4	NOTE	63	D#4	9n	3F	hh				
	5	QUANTIZE		press		1/2/3/4	NOTE	53	F3	9n	35	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	57	A3	9n	39	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	6	JOG (Platter)		rotate	Vinyl On	1/2/3/4	CC	34	-	Bn	22	hh				Difference count value from when previous operated
					Vinyl Off	1/2/3/4	CC	35	-	Bn	23	hh				When turned clockwise: Increases from 0x41
			+SHIFT			1/2/3/4	CC	31	-	Bn	1F	hh				When turned counterclockwise: Decreases from 0x3F
				touch		1/2/3/4	NOTE	54	F#3	9n	36	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	103	G7	9n	67	hh				OFF=0x00, ON=0x7F
		JOG (Wheel side)		rotate		1/2/3/4	CC	33	-	Bn	21	hh				Difference count value from when previous operated
			+SHIFT			1/2/3/4	CC	38	-	Bn	26	hh				When turned clockwise: Increases from 0x41
																When turned counterclockwise: Decreases from 0x3F

1. (continued)

#	Control	Modifier	Action	Ch	Type	Num	Note	Status	Hex	Data	MIDI-IN	Description
7	NEEDLE SEARCH		touch	1/2/3/4	CC	3	-	Bn	03	hh		OFF = 0x00, ON = 0x00 - 0x7F; 0 at left edge, 127 at right edge
				1/2/3/4	NOTE	67	G4	9n	43	hh		OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	CC	40	-	Bn	28	hh		OFF = 0x00, ON = 0x00 - 0x7F; 0x00 at left edge, 0x7F at right edge
				1/2/3/4	NOTE	68	G#4	9n	44	hh		OFF=0x00, ON=0x7F
8	CENSOR (REV)		press	1/2/3/4	NOTE	21	A0	9n	15	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	56	G#3	9n	38	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
9	KEY UP/SYNC		press	1/2/3/4	NOTE	121	C#9	9n	79	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	100	E7	9n	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
10	KEY DOWN /RESET		press	1/2/3/4	NOTE	10	A#-1	9n	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	101	F7	9n	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
11 12 13 14	DECK 1/2/3/4		press	1/2/3/4	NOTE	114	F#8	9n	72	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	115	G8	9n	73	hh		LED are lit by itself without MIDI
15	SLIP		press	1/2/3/4	NOTE	64	E4	9n	40	hh		OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	23	B0	9n	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
16	KEYLOCK		press	1/2/3/4	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT	press	1/2/3/4	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			long press	1/2/3/4	NOTE	28	E1	9n	1C	hh		OFF=0x00, ON=0x7F
17	TEMPO		slide	1/2/3/4	CC	0	-	Bn	00	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
				1/2/3/4	CC	32	-	Bn	20	LSB		
		+SHIFT		1/2/3/4	CC	5	-	Bn	05	MSB		"-" side : 0
				1/2/3/4	CC	37	-	Bn	25	LSB		"+" side : 16383
18	SLOT		press	1/2/3/4	NOTE	73	C#5	9n	49	hh		OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	89	F6	9n	59	hh		OFF=0x00, ON=0x7F
19	REC		press	1/2/3/4	NOTE	74	D5	9n	4A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	90	F#6	9n	5A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
20	START		press	1/2/3/4	NOTE	75	D#5	9n	4B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	91	G6	9n	5B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
21	AUTO LOOP		press	1/2/3/4	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
22	LOOP 1/2x		press	1/2/3/4	NOTE	18	F#0	9n	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	97	C#7	9n	61	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
23	LOOP 2x		press	1/2/3/4	NOTE	19	G0	9n	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	98	D7	9n	62	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
24	LOOP IN		press	1/2/3/4	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		long press		1/2/3/4	NOTE	69	A4	9n	45	hh		OFF=0x00, ON=0x7F
25	LOOP OUT			1/2/3/4	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		1/2/3/4	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F

2. EFFECT

#	Control	Modifier	Action	Ch	Type	Num	Note	Status	Hex	Data	MIDI-IN	Description
1	FX1-1		rotate	5	CC	2	-	B4	02	MSB		
				5	CC	34	-	B4	22	LSB		
		+SHIFT		5	CC	18	-	B4	12	MSB		
				5	CC	50	-	B4	32	LSB		
	FX2-1			6	CC	2	-	B5	02	MSB		
				6	CC	34	-	B5	22	LSB		
		+SHIFT		6	CC	18	-	B5	12	MSB		
				6	CC	50	-	B5	32	LSB		
2	FX1-2		rotate	5	CC	4	-	B4	04	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
				5	CC	36	-	B4	24	LSB		
		+SHIFT		5	CC	20	-	B4	14	MSB		When turned fully counterclockwise: 0
				5	CC	52	-	B4	34	LSB		When turned fully clockwise: 16383
	FX2-2			6	CC	4	-	B5	04	MSB		
				6	CC	36	-	B5	24	LSB		
		+SHIFT		6	CC	20	-	B5	14	MSB		
				6	CC	52	-	B5	34	LSB		
3	FX1-3		rotate	5	CC	6	-	B4	06	MSB		
				5	CC	38	-	B4	26	LSB		
		+SHIFT		5	CC	22	-	B4	16	MSB		
				5	CC	54	-	B4	36	LSB		
	FX2-3			6	CC	6	-	B5	06	MSB		
				6	CC	38	-	B5	26	LSB		
		+SHIFT		6	CC	22	-	B5	16	MSB		
				6	CC	54	-	B5	36	LSB		
4	FX1 BEAT		rotate	5	CC	0	-	B4	00	hh		Difference count value from when previous operated; Turn clockwise: 1 - 30 , Turn counterclockwise: 127 - 98
		+SHIFT		5	CC	16	-	B4	10	hh		
			press	5	NOTE	67	G4	94	43	hh		OFF=0x00, ON=0x7F
		+SHIFT		5	NOTE	64	E4	94	40	hh		OFF=0x00, ON=0x7F
	FX2 BEAT		rotate	6	CC	0	-	B5	00	hh		Difference count value from when previous operated; Turn clockwise: 1 - 30 , Turn counterclockwise: 127 - 98
		+SHIFT		6	CC	16	-	B5	10	hh		
			press	6	NOTE	67	G4	95	43	hh		OFF=0x00, ON=0x7F
		+SHIFT		6	NOTE	64	E4	95	40	hh		OFF=0x00, ON=0x7F
5	FX1-1 ON		press	5	NOTE	71	B4	94	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		5	NOTE	99	D#7	94	63	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	FX2-1 ON			6	NOTE	71	B4	95	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		6	NOTE	99	D#7	95	63	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
6	FX1-2 ON		press	5	NOTE	72	C5	94	48	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		5	NOTE	100	E7	94	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	FX2-2 ON			6	NOTE	72	C5	95	48	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		6	NOTE	100	E7	95	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
7	FX1-3 ON		press	5	NOTE	73	C#5	94	49	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		5	NOTE	101	F7	94	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	FX2-3 ON			6	NOTE	73	C#5	95	49	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		6	NOTE	101	F7	95	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
8	FX1 Assign	+SHIFT	press	7	NOTE	80	G#5	96	50	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		7	NOTE	82	A#5	96	52	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		long press		7	NOTE	90	F#6	96	5A	hh		OFF=0x00, ON=0x7F
9				7	NOTE	81	A5	96	51	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		7	NOTE	83	B5	96	53	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
8	FX2 Assign	+SHIFT	press	7	NOTE	84	C6	96	54	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		7	NOTE	86	D6	96	56	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		long press		7	NOTE	91	G6	96	5B	hh		OFF=0x00, ON=0x7F
9				7	NOTE	85	C#6	96	55	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT		7	NOTE	87	D#6	96	57	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F

3.MIXER

No.	Name	Shift	Action	Sub-action	Ch	Type	Dec	Note	Status	Hex	Val	MIDI-IN	Description
1	USB A, PHONO/LINE, USB B		slide	Switch to USB A	1/2	NOTE	85	C#6	90/91	55	7F		OFF=0x00, ON=0x7F
					1/2	NOTE	86	D6	90/91	56	0		
				Switch to PHONO/LINE	1/2	NOTE	86	D6	90/91	56	7F		
					1/2	NOTE	85/87	C#6/D#6	90/91	55/57	0		
				Switch to USB B	1/2	NOTE	87	D#6	90/91	57	7F		
					1/2	NOTE	86	D6	90/91	56	0		
2	USB A, LINE, MIC, USB B		slide	Switch to USB A	3/4	NOTE	85	C#6	92/93	55	7F		OFF=0x00, ON=0x7F
					3/4	NOTE	86	D6	92/93	56	0		
				Switch to LINE	3/4	NOTE	86	D6	92/93	56	7F		
					3/4	NOTE	85/87	C#6/D#6	92/93	55/57	0		
				Switch to MIC	3/4	NOTE	87	D#6	92/93	57	7F		
					3/4	NOTE	86/88	D6/E6	92/93	56/58	0		
				Switch to USB B	3/4	NOTE	88	E6	92/93	58	7F		
					3/4	NOTE	87	D#6	92/93	57	0		
3	TRIM		rotate		1/2/3/4	CC	4	-	Bn	04	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
					1/2/3/4	CC	36	-	Bn	24	LSB		
4	EQ HIGH		rotate		1/2/3/4	CC	7	-	Bn	07	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
					1/2/3/4	CC	39	-	Bn	27	LSB		
	EQ MID		rotate		1/2/3/4	CC	11	-	Bn	0B	MSB		
					1/2/3/4	CC	43	-	Bn	2B	LSB		
	EQ LOW		rotate		1/2/3/4	CC	15	-	Bn	0F	MSB		
					1/2/3/4	CC	47	-	Bn	2F	LSB		
5	CH LEVEL INDICATOR		-						Bn	02	hh		Use when INPUT Selector is "USB A" or "USB B"
6	COLOR		rotate	SOUND COLOR FX ch1	7	CC	23	-	B6	17	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
					7	CC	55	-	B6	37	LSB		
				SOUND COLOR FX ch2	7	CC	24	-	B6	18	MSB		
					7	CC	56	-	B6	38	LSB		
				SOUND COLOR FX ch3	7	CC	25	-	B6	19	MSB		
					7	CC	57	-	B6	39	LSB		
				SOUND COLOR FX ch4	7	CC	26	-	B6	1A	MSB		
					7	CC	58	-	B6	3A	LSB		
7	HEADPHONES CUE /MIC REVERB		press		1/2/3/4	NOTE	84	C6	9n	54	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
8		+SHIFT			1/2/3/4	NOTE	104	G#7	9n	68	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
9	CH FADER		slide		1/2/3/4	CC	19	-	Bn	13	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F), 0 at bottom end, 16383 at top end
					1/2/3/4	CC	51	-	Bn	33	LSB		
		+SHIFT		Zero→not Zero	1/2/3/4	NOTE	102	F#7	9n	66	hh		PLAY message for fader start. OFF=0x00, ON=0x7F
		+SHIFT		Not Zero→Zero	1/2/3/4	NOTE	82	A#5	9n	52	hh		CUE message for fader start. OFF=0x00, ON=0x7F
10	CRF ASSIGN		slide	Switch to A	1/2/3/4	NOTE	22	A#0	9n	16	7F		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	29	F1	9n	1D	00		OFF=0x00, ON=0x7F
				Switch to THRU	1/2/3/4	NOTE	22/24	A#0/C1	9n	16/18	00		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	29	F1	9n	1D	7F		OFF=0x00, ON=0x7F
				Switch to B	1/2/3/4	NOTE	24	C1	9n	18	7F		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	29	F1	9n	1D	00		OFF=0x00, ON=0x7F
11	CROSSFADER		slide		7	CC	31	-	B6	1F	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) 0 at left side, 16383 at right side
					7	CC	63	-	B6	3F	LSB		
		+SHIFT		Zero→not Zero	1/2/3/4	NOTE	102	F#7	9n	66	hh		PLAY message for fader start. OFF=0x00, ON=0x7F
		+SHIFT		Not Zero→Zero	1/2/3/4	NOTE	82	A#5	9n	52	hh		CUE message for fader start. OFF=0x00, ON=0x7F
12	MASTER LEVEL		rotate										
13	MASTER LEVEL INDICATOR		-										
14	SOUND COLOR FX		press	ECHO	7	NOTE	0	C-1	96	00	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	8	G#-1	96	08	hh		OFF=0x00, ON=0x7F
15				NOISE	7	NOTE	2	D-1	96	02	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	10	A#-1	96	0A	hh		OFF=0x00, ON=0x7F
16				JET	7	NOTE	3	D#-1	96	03	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	11	B-1	96	0B	hh		OFF=0x00, ON=0x7F
17				FILTER	7	NOTE	1	C#-1	96	01	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	9	A-1	96	09	hh		OFF=0x00, ON=0x7F
18	MASTER CUE		press		7	NOTE	99	D#7	96	63	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	98	D7	96	62	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
19	BOOTH LEVEL		rotate										
20	SAMPLER VOLUME		rotate		7	CC	3	-	B6	03	MSB		Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0 When turned fully clockwise: 16383
					7	CC	35	-	B6	23	LSB		
		+SHIFT			7	CC	105	-	B6	69	hh		0x00~0x7F When turned fully counterclockwise: 0 When turned fully clockwise: 127
21	CROSS F. CURVE		slide		7	NOTE	22	A#0	96	16	7F		OFF=0x00, ON=0x7F
					7	NOTE	23	B0	96	17	00		
					7	NOTE	23	B0	96	17	7F		
					7	NOTE	22/24	A#0/C1	96	16/18	00		
					7	NOTE	24	C1	96	18	7F		
					7	NOTE	23	B0	96	17	00		
22	HEADPHONES LEVEL		rotate										
23	HEADPHONES MIX		rotate										
24	MIC3 LEVEL		rotate										
25	MIC3 ON/OFF Switch		slide	Switch to ON	7	NOTE	25	C#1	96	19	7F		OFF=0x00, ON=0x7F
					7	NOTE	26	D1	96	1A	00		
				Switch to OFF	7	NOTE	26	D1	96	1A	7F		
					7	NOTE	25	C#1	96	19	00		
26	LINE / PHONO		slide	Switch to PHONO	1/2	NOTE	78	F#5	9n	4E	7F		OFF=0x00, ON=0x7F
					1/2	NOTE	79	G5	9n	4F	00		
				Switch to LINE	1/2	NOTE	79	G5	9n	4F	7F		
					1/2	NOTE	78	F#5	9n	4E	00		

4.BROWSE

#	Name	Shift	Action	Mode	Ch	Type	Dec	Note	Status	Hex	hh	MIDI-OUT	Notes
1	BROWSE		rotate		7	CC	64	-	B6	40	hh		Difference count value from when previous operated
		+SHIFT			7	CC	100	-	B6	64	hh		Turn clockwise: 1 - 30, Turn counterclockwise: 127 - 98
			press		7	NOTE	65	F4	96	41	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	66	F#4	96	42	hh		OFF=0x00, ON=0x7F
2	LOAD				7	NOTE	70	A#4	96	46	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	88	E6	96	58	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
2			press		7	NOTE	71	B4	96	47	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	89	F6	96	59	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
2					7	NOTE	72	C5	96	48	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	96	C7	96	60	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
2					7	NOTE	73	C#5	96	49	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	97	C#7	96	61	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
3	BACK		press		7	NOTE	101	F7	96	65	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	102	F#7	96	66	hh		OFF=0x00, ON=0x7F
4	LOAD PREPARE		press		7	NOTE	103	G7	96	67	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	104	G#7	96	68	hh		OFF=0x00, ON=0x7F
5	USB A		press		7	NOTE	105	A7	96	69	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	106	A#7	96	6A	hh		OFF=0x00, ON=0x7F
6	USB B		press		7	NOTE	107	B7	96	6B	hh		OFF=0x00, ON=0x7F
		+SHIFT			7	NOTE	108	C8	96	6C	hh		OFF=0x00, ON=0x7F

5.PERFORMANCE PAD

#	Name	Shift	Action	Mode	Ch	Type	Dec	Note	Status	Hex	hh	MIDI-OUT	Notes
1	HOT CUE		press		1/2/3/4	NOTE	27	D#1	9n	1B	hh		OFF=0x00, ON=0x7F
		+SHIFT	press		1/2/3/4	NOTE	105	A7	9n	69	hh		OFF=0x00, ON=0x7F
		long press			1/2/3/4	NOTE	106	A#7	9n	6A	hh		OFF=0x00, ON=0x7F
2	ROLL				1/2/3/4	NOTE	30	F#1	9n	1E	hh		OFF=0x00, ON=0x7F
		+SHIFT	press		1/2/3/4	NOTE	107	B7	9n	6B	hh		OFF=0x00, ON=0x7F
		long press			1/2/3/4	NOTE	108	C8	9n	6C	hh		OFF=0x00, ON=0x7F
3	SLICER		press		1/2/3/4	NOTE	32	G#1	9n	20	hh		OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	109	C#8	9n	6D	hh		OFF=0x00, ON=0x7F
4	SAMPLER		press		1/2/3/4	NOTE	34	A#1	9n	22	hh		OFF=0x00, ON=0x7F
		+SHIFT	press		1/2/3/4	NOTE	110	D8	9n	6E	hh		OFF=0x00, ON=0x7F
		long press			1/2/3/4	NOTE	111	D#8	9n	6F	hh		OFF=0x00, ON=0x7F
5	PERFORMANCE PAD 1		press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	0	C-1	9p	00	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F. MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer). In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F. When not pressed :0x00. When pressed fully: 0x7F
		+SHIFT			8/9/10/11	NOTE	8	G#-1	9p	08	hh	← Same as MIDI-IN	
				in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	16	E0	9p	10	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	24	C1	9p	18	hh	← Same as MIDI-IN	
				in SLICER mode	8/9/10/11	NOTE	32	G#1	9p	20	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	40	E2	9p	28	hh	← Same as MIDI-IN	
				in SAMPLER mode	8/9/10/11	NOTE	48	C3	9p	30	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN	
				in CUELOOP mode	8/9/10/11	NOTE	64	E4	9p	40	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	72	C5	9p	48	hh	← Same as MIDI-IN	
				in SAVED LOOP mode	8/9/10/11	NOTE	80	G#5	9p	50	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	88	E6	9p	58	hh	← Same as MIDI-IN	
				in SLICER LOOP mode	8/9/10/11	NOTE	96	C7	9p	60	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	104	G#7	9p	68	hh	← Same as MIDI-IN	
				in PITCH PLAY mode	8/9/10/11	NOTE	112	E8	9p	70	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN	
				in velocity SAMPLER mode	8/9/10/11	NOTE	112	E8	9p	70	hh	← Same as MIDI-IN	
					8/9/10/11	CC	112	-	Bp	70	hh		
		+SHIFT			8/9/10/11	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN	
6	PERFORMANCE PAD 2		press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	1	C#-1	9p	01	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F. MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer). In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F. When not pressed :0x00. When pressed fully: 0x7F
		+SHIFT			8/9/10/11	NOTE	9	A-1	9p	09	hh	← Same as MIDI-IN	
				in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	17	F0	9p	11	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	25	C#1	9p	19	hh	← Same as MIDI-IN	
				in SLICER mode	8/9/10/11	NOTE	33	A1	9p	21	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	41	F2	9p	29	hh	← Same as MIDI-IN	
				in SAMPLER mode	8/9/10/11	NOTE	49	C#3	9p	31	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN	
				in CUELOOP mode	8/9/10/11	NOTE	65	F4	9p	41	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	73	C#5	9p	49	hh	← Same as MIDI-IN	
				in SAVED LOOP mode	8/9/10/11	NOTE	81	A5	9p	51	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	89	F6	9p	59	hh	← Same as MIDI-IN	
				in SLICER LOOP mode	8/9/10/11	NOTE	97	C#7	9p	61	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	105	A7	9p	69	hh	← Same as MIDI-IN	
				in PITCH PLAY mode	8/9/10/11	NOTE	113	F8	9p	71	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN	
				in velocity SAMPLER mode	8/9/10/11	NOTE	113	F8	9p	71	hh	← Same as MIDI-IN	
					8/9/10/11	CC	113	-	Bp	71	hh		
		+SHIFT			8/9/10/11	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN	
7	PERFORMANCE PAD 3		press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F. MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer). In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F. When not pressed :0x00. When pressed fully: 0x7F
		+SHIFT			8/9/10/11	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN	
				in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN	
				in SLICER mode	8/9/10/11	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN	
				in SAMPLER mode	8/9/10/11	NOTE	50	D3	9p	32	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN	
				in CUELOOP mode	8/9/10/11	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN	
				in SAVED LOOP mode	8/9/10/11	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN	
				in SLICER LOOP mode	8/9/10/11	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN	
				in PITCH PLAY mode	8/9/10/11	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN	
		+SHIFT			8/9/10/11	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN	
				in velocity SAMPLER mode	8/9/10/11	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN	
					8/9/10/11	CC	114	-	Bp	72	hh		
		+SHIFT			8/9/10/11	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN	

 Pioneer DJ

#	Control	Action	Mode	Date	Type	Num	Note	Ch	Hex	hh	MIDI-IN	Notes
8	PERFORMANCE PAD 4	press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer) In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F When not pressed :0x00 When pressed fully: 0x7F
			+SHIFT	8/9/10/11	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN	
			in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN	
			in SLICER mode	8/9/10/11	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN	
			in SAMPLER mode	8/9/10/11	NOTE	51	D#3	9p	33	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN	
			in CUELOOP mode	8/9/10/11	NOTE	67	G4	9p	43	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN	
			in SAVED LOOP mode	8/9/10/11	NOTE	83	B5	9p	53	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN	
			in SLICER LOOP mode	8/9/10/11	NOTE	99	D#7	9p	63	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN	
			in PITCH PLAY mode	8/9/10/11	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	123	D#9	9p	7B	hh	← Same as MIDI-IN	
			in velocity SAMPLER mode	8/9/10/11	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN	
				8/9/10/11	CC	123	-	Bp	7B	hh		
			+SHIFT	8/9/10/11	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN	
9	PERFORMANCE PAD 5	press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	4	E-1	9p	04	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer) In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F When not pressed :0x00 When pressed fully: 0x7F
			+SHIFT	8/9/10/11	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN	
			in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN	
			in SLICER mode	8/9/10/11	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN	
			in SAMPLER mode	8/9/10/11	NOTE	52	E3	9p	34	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN	
			in CUELOOP mode	8/9/10/11	NOTE	68	G#4	9p	44	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN	
			in SAVED LOOP mode	8/9/10/11	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN	
			in SLICER LOOP mode	8/9/10/11	NOTE	100	E7	9p	64	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN	
			in PITCH PLAY mode	8/9/10/11	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN	
			in velocity SAMPLER mode	8/9/10/11	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN	
				8/9/10/11	CC	124	-	Bp	7C	hh		
			+SHIFT	8/9/10/11	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN	
10	PERFORMANCE PAD 6	press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	5	F-1	9p	05	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer) In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F When not pressed :0x00 When pressed fully: 0x7F
			+SHIFT	8/9/10/11	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN	
			in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	21	A0	9p	15	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN	
			in SLICER mode	8/9/10/11	NOTE	37	C#2	9p	25	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN	
			in SAMPLER mode	8/9/10/11	NOTE	53	F3	9p	35	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN	
			in CUELOOP mode	8/9/10/11	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN	
			in SAVED LOOP mode	8/9/10/11	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN	
			in SLICER LOOP mode	8/9/10/11	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN	
			in PITCH PLAY mode	8/9/10/11	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	125	F9	9p	7D	hh	← Same as MIDI-IN	
			in velocity SAMPLER mode	8/9/10/11	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN	
				8/9/10/11	CC	125	-	Bp	7D	hh		
			+SHIFT	8/9/10/11	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN	
11	PERFORMANCE PAD 7	press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	6	F#-1	9p	06	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer) In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F When not pressed :0x00 When pressed fully: 0x7F
			+SHIFT	8/9/10/11	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN	
			in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN	
			in SLICER mode	8/9/10/11	NOTE	38	D2	9p	26	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN	
			in SAMPLER mode	8/9/10/11	NOTE	54	F#3	9p	36	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN	
			in CUELOOP mode	8/9/10/11	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN	
			in SAVED LOOP mode	8/9/10/11	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN	
			in SLICER LOOP mode	8/9/10/11	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN	
			in PITCH PLAY mode	8/9/10/11	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN	
			in velocity SAMPLER mode	8/9/10/11	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	
				8/9/10/11	CC	126	-	Bp	7E	hh		
			+SHIFT	8/9/10/11	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	
12	PERFORMANCE PAD 8	press	in HOT CUE mode / in SAVED FLIP mode	8/9/10/11	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN	MIDI-IN: OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64), OFF=0x00 (dimmer) In VELOCITY SAMPLER mode, MIDI-IN: 0x00~0x7F When not pressed :0x00 When pressed fully: 0x7F
			+SHIFT	8/9/10/11	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN	
			in ROLL mode / in EDIT GRID mode	8/9/10/11	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN	
			in SLICER mode	8/9/10/11	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	47	B2	9p	2F	hh	← Same as MIDI-IN	
			in SAMPLER mode	8/9/10/11	NOTE	55	G3	9p	37	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN	
			in CUELOOP mode	8/9/10/11	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN	
			in SAVED LOOP mode	8/9/10/11	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN	
			in SLICER LOOP mode	8/9/10/11	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN	
			in PITCH PLAY mode	8/9/10/11	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	
			+SHIFT	8/9/10/11	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN	
			in velocity SAMPLER mode	8/9/10/11	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	
				8/9/10/11	CC	127	-	Bp	7F	hh		
			+SHIFT	8/9/10/11	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	

Fig. 13 — PARAMETER 1 (LEFT)

Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	Data 1 (Dec)	(English scale)	MIDI-IN Status	MIDI-IN Data 1	MIDI-IN Data 2	MIDI-OUT	Details (Data 2)
13	PARAMETER 1 (LEFT)		press	in HOT CUE mode / in SAVED FLIP mode	1/2/3/4	NOTE	36	C2	9n	24	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	1	C#-1	9n	01	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in ROLL mode / in EDIT GRID mode	1/2/3/4	NOTE	37	C#2	9n	25	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	2	D-1	9n	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SLICER mode	1/2/3/4	NOTE	38	D2	9n	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	3	D#-1	9n	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SAMPLER mode / in velocity SAMPLER mode	1/2/3/4	NOTE	39	D#2	9n	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	4	E-1	9n	04	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in CUE LOOP mode	1/2/3/4	NOTE	40	E2	9n	28	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	5	F-1	9n	05	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SAVED LOOP mode	1/2/3/4	NOTE	41	F2	9n	29	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	6	F#-1	9n	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SLICER LOOP mode	1/2/3/4	NOTE	42	F#2	9n	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	7	G-1	9n	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in PITCH PLAY mode	1/2/3/4	NOTE	43	G2	9n	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	8	G#-1	9n	08	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F

Fig. 14 — PARAMETER 1 (RIGHT)

Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	Data 1 (Dec)	(English scale)	MIDI-IN Status	MIDI-IN Data 1	MIDI-IN Data 2	MIDI-OUT	Details (Data 2)
14	PARAMETER 1 (RIGHT)		press	in HOT CUE mode / in SAVED FLIP mode	1/2/3/4	NOTE	44	G#2	9n	2C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	9	A-1	9n	09	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in ROLL mode / in EDIT GRID mode	1/2/3/4	NOTE	45	A2	9n	2D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	122	D9	9n	7A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SLICER mode	1/2/3/4	NOTE	46	A#2	9n	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	123	D#9	9n	7B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SAMPLER mode / in velocity SAMPLER mode	1/2/3/4	NOTE	47	B2	9n	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	124	E9	9n	7C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in CUE LOOP mode	1/2/3/4	NOTE	48	C3	9n	30	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	125	F9	9n	7D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SAVED LOOP mode	1/2/3/4	NOTE	49	C#3	9n	31	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	126	F#9	9n	7E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in SLICER LOOP mode	1/2/3/4	NOTE	50	D3	9n	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	127	G9	9n	7F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			press	in PITCH PLAY mode	1/2/3/4	NOTE	51	D#3	9n	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
		+SHIFT			1/2/3/4	NOTE	0	C-1	9n	00	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F

MIDI-OUT communication (not UI)

Group	Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	Data 1 (Dec)	(English scale)	MIDI-IN Status (Hex)	MIDI-IN Data 1 (Hex)	MIDI-IN Data 2 (Hex)	MIDI-OUT Status (Hex)	MIDI-OUT Data 1 (Hex)	MIDI-OUT Data 2 (Hex)	Details (Data 2)
illumination Control		Loaded (Deck 1)				12	NOTE	0	C-1				9B	00	hh	OFF=0x00, ON=0x7F
		Loaded (Deck 2)				12	NOTE	1	C#-1				9B	01	hh	OFF=0x00, ON=0x7F
		Loaded (Deck 3)				12	NOTE	2	D-1				9B	02	hh	OFF=0x00, ON=0x7F
		Loaded (Deck 4)				12	NOTE	3	D#-1				9B	03	hh	OFF=0x00, ON=0x7F
		Play/Pause (Deck 1)				12	NOTE	12	C0				9B	0C	hh	OFF=0x00, ON=0x7F
		Play/Pause (Deck 2)				12	NOTE	13	C#0				9B	0D	hh	OFF=0x00, ON=0x7F
		Play/Pause (Deck 3)				12	NOTE	14	D0				9B	0E	hh	OFF=0x00, ON=0x7F
		Play/Pause (Deck 4)				12	NOTE	15	D#0				9B	0F	hh	OFF=0x00, ON=0x7F
		Cue (Deck 1)				12	NOTE	16	E0				9B	10	hh	OFF=0x00, ON=0x7F
		Cue (Deck 2)				12	NOTE	17	F0				9B	11	hh	OFF=0x00, ON=0x7F
		Cue (Deck 3)				12	NOTE	18	F#0				9B	12	hh	OFF=0x00, ON=0x7F
		Cue (Deck 4)				12	NOTE	19	G0				9B	13	hh	OFF=0x00, ON=0x7F
Other		General DJ Connect				12	NOTE	9	A-1				9B	09	hh	OFF=0x00, ON=0x7F