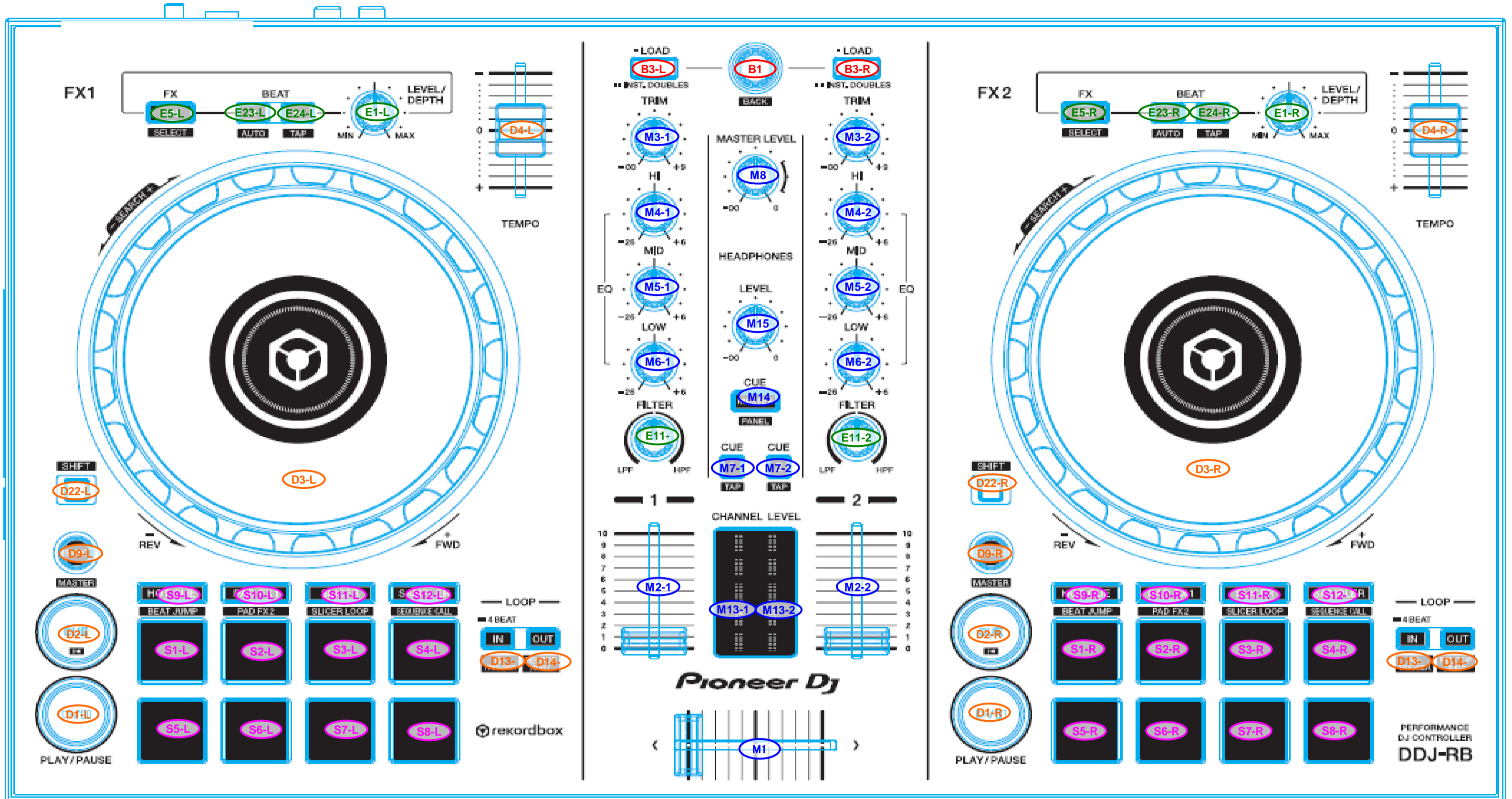# DDJ-RB
List of MIDI messages

【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
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

As a reference for MIDI assign, MIDI message sent from buttons and knobs of this controllerare listerd in decimal nubvers 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	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Detail (Data2)
BROWSER	B1	Rotary selector	rotate			7	CC	64	-	B6	40	hh				Difference count value from when previous operated Turn clockwise: 0x01~0x1E(max) (1~30clicks/40msec) Turn counterclockwise: 0x7F~0x62(max) (1~30clicks/40msec)
				+SHIFT		7	CC	100	-	B6	64	hh				
			press			1/2	NOTE	65	F4	9n	41	hh				OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	66	F#4	9n	42	hh				OFF=0x00, ON=0x7F
	B3-L B3-R	LOAD	press		deck1 selected on left deck	7	NOTE	70	A#4	96	46	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		7	NOTE	88	E6	96	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			press		deck2 selected on right deck	7	NOTE	71	B4	96	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		7	NOTE	89	F6	96	59	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

Group	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Detail (Data2)
DECK	D1-L D1-R	PLAY/PAUSE	press			1/2	NOTE	11	B-1	9n	0B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D2-L D2-R	CUE	press			1/2	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D3-L D3-R	JOG (Platter)	rotate		Vinyl On	1/2	CC	34	-	Bn	22	hh				Difference count value from when previous operated When turned clockwise: Increases from 0x41 When turned counterclockwise: Decreases from 0x3F
					Vinyl Off	1/2	CC	35	-	Bn	23	hh				
				+SHIFT		1/2	CC	31	-	Bn	1F	hh				
			touch			1/2	NOTE	54	F#3	9n	36	hh				OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	103	G7	9n	67	hh				OFF=0x00, ON=0x7F
		JOG (Wheel side)	rotate			1/2	CC	33	-	Bn	21	hh				Difference count value from when previous operated When turned clockwise: Increases from 0x41 When turned counterclockwise: Decreases from 0x3F
				+SHIFT		1/2	CC	38	-	Bn	26	hh				
	D4-L D4-R	TEMPO	slide			1/2	CC	0 32	-	Bn	00 20	MSB LSB				Min(MSB:0x00 LSB:0x00)〜Max(MSB:0x7F LSB:0x7F) "-" side : Min(MSB:0x00 LSB:0x00) "+" side : Max(MSB:0x7F LSB:0x7F)
				+SHIFT		1/2	CC	5 37	-	Bn	05 25	MSB LSB	-	-	-	
	D9-L D9-R	SYNC	press			1/2	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D13-L D13-R	LOOP IN	press	+SHIFT		1/2	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
						1/2	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				long press		1/2	NOTE	69	A4	9n	45	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D14-L D14-R	LOOP OUT				1/2	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D22-L D22-R	SHIFT	press			1/2	NOTE	63	D#4	9n	3F	hh				

MIXER

Group	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Detail (Data2)
MIXER	M1	CROSSFADER	slide			7	CC	31	-	B6	1F	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
				+SHIFT				63			3F	LSB				Min at left side, Max at right side
	M2-1 M2-2 M2-3 M2-4	CH FADER	slide			1/2	CC	19	-	Bn	13	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
				+SHIFT				51			33	LSB				Min at bottom end, Max at top end
	M1 M2-1 M2-2 M2-3 M2-4	CROSS FADER / CH Fader (Fader Start)	slide	+SHIFT	Zero → not Zero	1/2	NOTE	102	F#7	9n	66	hh				PLAY message only for CH fader start OFF=0x00, ON=0x7F
				+SHIFT	Not Zero → Zero	1/2	NOTE	82	A#6	9n	52	hh				CUE message only for CH fader start OFF=0x00, ON=0x7F
	M3-1 M3-2 M3-3	GAIN (TRIM)	rotate			1/2	CC	4	-	Bn	04	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
				+SHIFT				36			24	LSB				When turned fully clockwise: Max
	M4-1 M4-2 M4-3	EQ HIGH	rotate			1/2	CC	7	-	Bn	07	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
				+SHIFT				39			27	LSB				When turned fully clockwise: Max
	M5-1 M5-2 M5-3	EQ MID	rotate			1/2	CC	11	-	Bn	0B	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
				+SHIFT				43			2B	LSB				When turned fully clockwise: Max
	M6-1 M6-2 M6-3	EQ LOW	rotate			1/2	CC	15	-	Bn	0F	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
				+SHIFT				47			2F	LSB				When turned fully clockwise: Max
	M7-1	CUE (Headphone)	press			1/2	NOTE	84	C6	9n	54	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	M7-2			+SHIFT		1/2	NOTE	104	G#7	9n	68	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	M8	MASTER LEVEL	rotate			7	CC	8	-	B6	08	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
								40			28	LSB				
	M13-1 M13-2	CH LEVEL	-										Bn	02	hh	
	M14	HEADPHONES MASTER	press			7	NOTE	91	G6	96	5B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		7	NOTE	120	C9	96	78	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	M15	HEADPHONES VOL	rotate			7	CC	13	-	B6	0D	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)
								45			2D	LSB				

EFFECT

Group	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Detail (Data2)
EFFECT	E1-L	FX1-1	rotate			5	CC	2	-	B4	02	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
								34			22	LSB				When turned fully clockwise: Max
				+SHIFT		5	CC	18	-	B4	12	MSB				0x00~0x7F When turned fully counterclockwise: 0x00
								50			32	LSB				When turned fully clockwise: 0x7F
	E1-R	FX2-1				6	CC	2	-	B5	02	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
								34			22	LSB				When turned fully clockwise: Max
				+SHIFT		6	CC	18	-	B5	12	MSB				0x00~0x7F When turned fully counterclockwise: 0x00
								50			32	LSB				When turned fully clockwise: 0x7F
	E5-L	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
	E5-R	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
	E11-1	Filter Parameter	rotate		deck1 selected on left deck	7	CC	23	-	B6	17	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
								55			37	LSB				When turned fully clockwise: Max
	E11-2				deck2 selected on left deck	7	CC	24	-	B6	18	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min
								56			38	LSB				When turned fully clockwise: Max
	E23-L	FX1 BEAT DOWN	press			5	NOTE	74	D5	94	4A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		5	NOTE	102	F#7	94	66	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	E23-R	FX2 BEAT DOWN				6	NOTE	74	D5	95	4A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		6	NOTE	102	F#7	95	66	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	E24-L	FX1 BEAT UP				5	NOTE	75	D#5	94	4B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		5	NOTE	107	B7	94	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	E24-R	FX2 BEAT UP				6	NOTE	75	D#5	95	4B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		6	NOTE	107	B7	95	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

MULTI FUNCTION

Group	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Detail (Data2)
MULTI FUNCTION	S1-L S1-R	PERFORMANCE PAD 1	press		in HOT CUE mode	8/9	NOTE	0	C-1	9p	00	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	8	G#-1	9p	08	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	16	E0	9p	10	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	24	C1	9p	18	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	32	G#1	9p	20	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	40	E2	9p	28	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	48	C3	9p	30	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	64	E4	9p	40	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	72	C5	9p	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	80	G#5	9p	50	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	88	E6	9p	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	96	C7	9p	60	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	104	G#7	9p	68	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	112	E8	9p	70	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S2-L S2-R	PERFORMANCE PAD 2	press		in HOT CUE mode	8/9	NOTE	1	C#-1	9p	01	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	9	A-1	9p	09	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	17	F0	9p	11	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	25	C#1	9p	19	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	33	A1	9p	21	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	41	F2	9p	29	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	49	C#3	9p	31	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	65	F4	9p	41	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	73	C#5	9p	49	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	81	A5	9p	51	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	89	F6	9p	59	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	97	C#7	9p	61	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	105	A7	9p	69	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	113	F8	9p	71	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

Group	Part No.	UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC	MIDI Data (Dec)	MIDI Data (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)	Detail (Data2)
MULTI FUNCTION	S3-L S3-R	PERFORMANCE PAD 3	press		in HOT CUE mode	8/9	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	50	D3	9p	32	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S4-L S4-R	PERFORMANCE PAD 4	press		in HOT CUE mode	8/9	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	51	D#3	9p	33	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	67	G4	9p	43	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	83	B5	9p	53	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	99	D#7	9p	63	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	123	D#9	9p	7B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S5-L S5-R	PERFORMANCE PAD 5	press		in HOT CUE mode	8/9	NOTE	4	E-1	9p	04	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	52	E3	9p	34	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	68	G#4	9p	44	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	100	E7	9p	64	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S6-L S6-R	PERFORMANCE PAD 6	press		in HOT CUE mode	8/9	NOTE	5	F-1	9p	05	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	21	A0	9p	15	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	37	C#2	9p	25	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	53	F3	9p	35	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	125	F9	9p	7D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S7-L S7-R	PERFORMANCE PAD 7	press		in HOT CUE mode	8/9	NOTE	6	F#-1	9p	06	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	38	D2	9p	26	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	54	F#3	9p	36	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S8-L S8-R	PERFORMANCE PAD 8	press		in HOT CUE mode	8/9	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX1 mode	8/9	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER mode	8/9	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	47	B2	9p	2F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SAMPLER mode	8/9	NOTE	55	G3	9p	37	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in BEAT JUMP mode	8/9	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in PAD FX2 mode	8/9	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SLICER LOOP mode	8/9	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
					in SEQUENCE CALL mode	8/9	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		8/9	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S9-L S9-R	HOT CUE	press			1/2	NOTE	27	D#1	9n	1B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	105	A7	9n	69	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S10-L S10-R	PAD FX1	press			1/2	NOTE	30	F#1	9n	1E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	107	B7	9n	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S11-L S11-R	SLICER	press			1/2	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	S12-L S12-R	SAMPLER	press			1/2	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				+SHIFT		1/2	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F