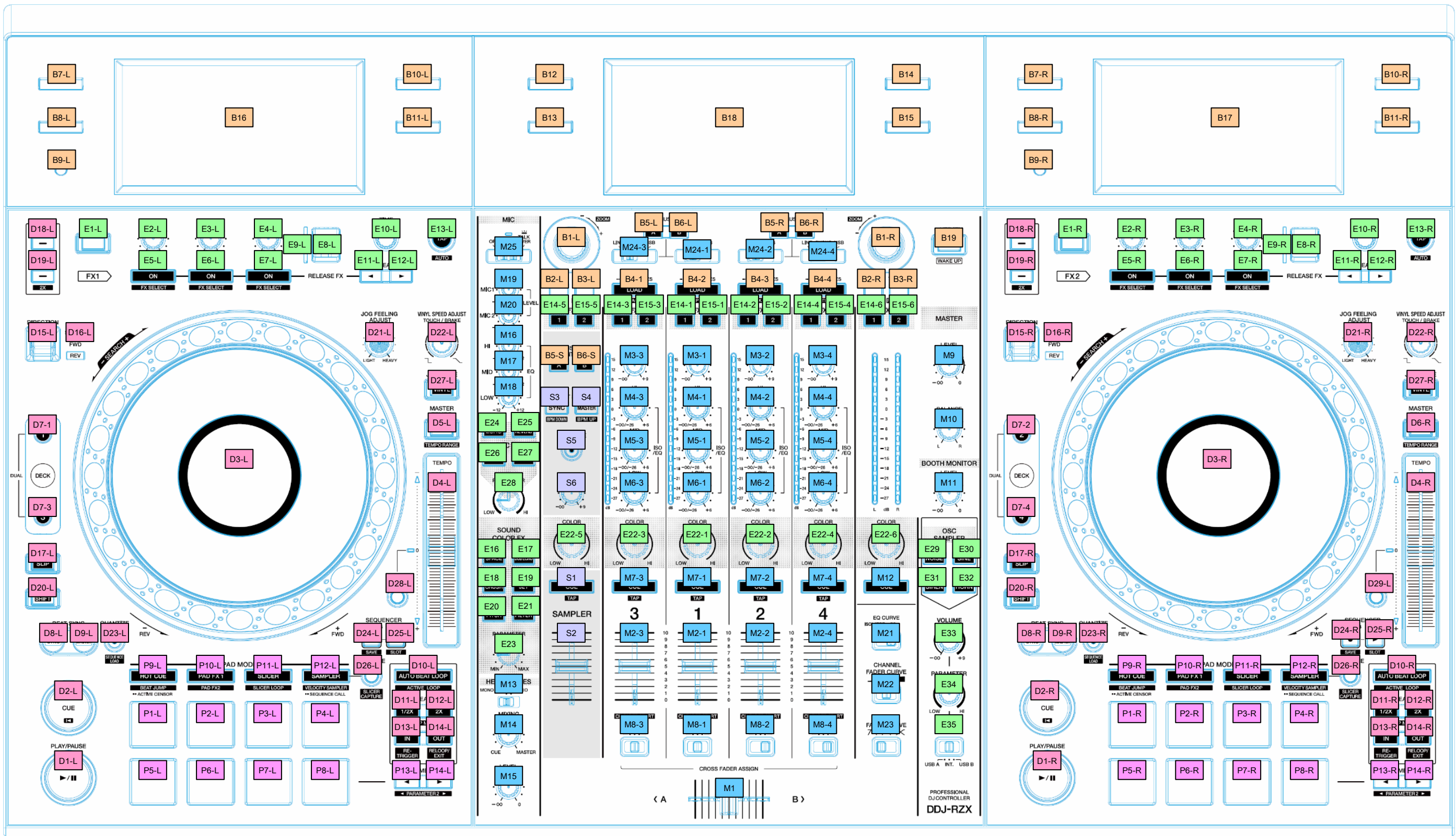


DDJ-RZX

List of MIDI messages version 1.00



[MIDI channel assignment]

MIDI channel is defined as shown below.

0x9*: Note

0xB*: Control Change (CC)

*: value of channel No. (n/m/p)








Channel category	MIDI channel	Channel No. (Hex)
DECK1, MIXER CH1	1	n = 0
DECK2, MIXER CH2	2	n = 1
DECK3, MIXER CH3	3	n = 2
DECK4, MIXER CH4	4	n = 3
FX1	5	m = 4
FX2	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	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.




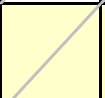
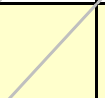
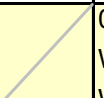
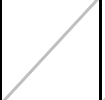
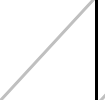

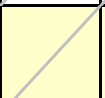
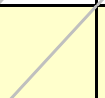
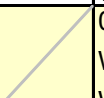
Group	Fig.	User Interface				MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)		
		UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)			
BROWSE R	B1-L	BROWSE	rotate			7	CC	64	-	B6	40	hh				Difference count value from when previous operated When turned clockwise: 1 ~ 30 (0x01 ~ 0x1E) When turned counterclockwise: 127 ~ 98 (0x7F ~ 0x62)		
				+SHIFT		7	CC	100	-	B6	64	hh						
			press		deck 1 selected on left deck	1	NOTE	65	F4	90	41	hh					OFF = 0 (0x00), ON = 127 (0x7F)	
					deck 3 selected on left deck	3	NOTE	65	F4	92	41	hh						
			rotate			7	CC	64	-	B6	40	hh					Difference count value from when previous operated When turned clockwise: 1 ~ 30 (0x01 ~ 0x1E) When turned counterclockwise: 127 ~ 98 (0x7F ~ 0x62)	
				+SHIFT		7	CC	100	-	B6	64	hh						
	B1-R		press		deck 2 selected on right deck	2	NOTE	65	F4	91	41	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
					deck 4 selected on right deck	4	NOTE	65	F4	93	41	hh						
			B2-L	BACK	press		7	NOTE	101	F7	96	65	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
						+SHIFT		7	NOTE	102	F#7	96	66	hh				
			B3-L	TAG TRACK	press		deck 1 selected on left deck	1	NOTE	66	F#4	90	42	hh				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)
							deck 3 selected on left deck	3	NOTE	66	F#4	92	42	hh				
		deck 2 selected on right deck				2	NOTE	66	F#4	91	42	hh						
		deck 4 selected on right deck				4	NOTE	66	F#4	93	42	hh						
						4	NOTE	99	D#7	93	63	hh						
						4	NOTE	99	D#7	93	63	hh						
	B3-R	press			7	NOTE	70	A#4	96	46	hh				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)			
			+SHIFT			7	NOTE	88	E6	96	58	hh						
					7	NOTE	71	B4	96	47	hh					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			7	NOTE	89	F6	96	59	hh						
					7	NOTE	72	C5	96	48	hh							
			+SHIFT			7	NOTE	96	C7	96	60	hh						
	B4-1	LOAD	press		7	NOTE	73	C#5	96	49	hh				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)			
				+SHIFT		7	NOTE	97	C#7	96	61	hh						
				5	NOTE	105	A7	94	69	hh				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					5	NOTE	103	G7	94	67	hh							
				6	NOTE	105	A7	95	69	hh								
+SHIFT					6	NOTE	103	G7	95	67	hh							
B4-2	press			7	NOTE	32	G#1	96	20	hh				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)				
			+SHIFT		7	NOTE	45	A2	96	2D	hh							
			+SHIFT															
			+SHIFT															
B4-3	press																	
		+SHIFT																
		+SHIFT																
		+SHIFT																
B4-4	press																	
		+SHIFT																
		+SHIFT																
		+SHIFT																
B5-L	USB A	press													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)			
			+SHIFT															
			+SHIFT															
			+SHIFT															
B5-R		press														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)		
			+SHIFT															
			+SHIFT															
			+SHIFT															
B5-S	press														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)			
		+SHIFT																
		+SHIFT																
		+SHIFT																

DECK	B6-L	USB B	press	<div>+SHIFT</div>		5	NOTE	106	A#7	94	6A	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B6-R					5	NOTE	104	G#7	94	68	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B6-S					6	NOTE	106	A#7	95	6A	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B7-L	VIEW	press			6	NOTE	104	G#7	95	68	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B7-R					7	NOTE	34	A#1	96	22	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B8-L	TRACK INFO	press	<div>+SHIFT</div>		7	NOTE	47	B2	96	2F	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B8-R					1/2/3/4	NOTE	116	G#8	9n	74	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						1/2/3/4	NOTE	117	A8	9n	75	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B9-L	TIME MODE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	83	B5	9n	53	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B9-R					1/2/3/4	NOTE	83	B5	9n	53	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						1/2/3/4	NOTE	118	A#8	9n	76	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B10-L	COMBO FX	press	<div>+SHIFT</div>		1/2/3/4	NOTE	93	A6	9n	5D	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B10-R					1/2/3/4	NOTE	93	A6	9n	5D	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B11-L	SAMPLER REPEAT	press	<div>+SHIFT</div>		1/2/3/4	NOTE	119	B8	9n	77	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
	B11-R					1/2/3/4	NOTE	94	A#6	9n	5E	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
	B12	VIEW	press	<div>+SHIFT</div>		1/2/3/4	NOTE	120	C9	9n	78	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
						1/2/3/4	NOTE	95	B6	9n	5F	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	116	G#8	96	74	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B13	2DECK/4DECK	press	<div>+SHIFT</div>		7	NOTE	30	F#1	96	1E	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	29	F1	96	1D	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	117	A8	96	75	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B14	SINGLE	press	<div>+SHIFT</div>		7	NOTE	69	A4	96	45	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	68	G#4	96	44	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	118	A#8	96	76	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
	B15	MULTI	press	<div>+SHIFT</div>		7	NOTE	95	B6	96	5F	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	119	B8	96	77	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
						7	NOTE	103	G7	96	67	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)		
	B16	TOUCH SCREEN (LEFT)	touch			7	NOTE	121	C#9	96	79	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
						7	CC	65	-	B6	41	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x03 LSB:0x5F)		
						7	CC	98	-	B6	62	LSB				Min at left side, Max at right side		
	B17	TOUCH SCREEN (RIGHT)	drag			7	CC	74	-	B6	4A	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x06 LSB:0x1F)		
						7	CC	106	-	B6	6A	LSB				Min at top end, Max at bottom end		
						7	NOTE	123	D#9	96	7B	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	B18	TOUCH SCREEN (CENTER)	drag			7	CC	67	-	B6	43	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x03 LSB:0x5F)		
						7	CC	99	-	B6	63	LSB				Min at left side, Max at right side		
						7	CC	76	-	B6	4C	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x06 LSB:0x1F)		
B19	UTILITY	press			-	-	-	-	-	-	-	-	-	-	-	Min at top end, Max at bottom end		
					-	-	-	-	-	-	-	-	-	-	-	without MIDI-control		
D1-L	PLAY/PAUSE	press		in Remix deck for TRAKTOR	1/2/3/4	NOTE	11	B-1	9n	0B	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D1-R						1/2/3/4	NOTE	14	D0	9n	0E	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)	
						<div>+SHIFT</div>		1/2/3/4	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN			
D2-L	CUE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D2-R					1/2/3/4	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
					1/2/3/4	NOTE	54	F#3	9n	36	hh				OFF = 0 (0x00), ON = 127 (0x7F)			
D3-L	JOG (Platter)	touch	<div>+SHIFT</div>		1/2/3/4	NOTE	103	G7	9n	67	hh					OFF = 0 (0x00), ON = 127 (0x7F)		
D3-R					1/2/3/4	CC	34	-	Bn	22	hh				OFF = 0 (0x00), ON = 127 (0x7F)			
					1/2/3/4	CC	35	-	Bn	23	hh				Difference count value from when previous operated			
	JOG (Wheel side)	rotate	<div>+SHIFT</div>		1/2/3/4	CC	31	-	Bn	1F	hh					When turned clockwise: Increases from 0x41		
					1/2/3/4	CC	33	-	Bn	21	hh				When turned counterclockwise: Decreases from 0x3F			
					1/2/3/4	CC	38	-	Bn	26	hh							
D4-L	TEMPO	slide	<div>+SHIFT</div>		1/2/3/4	CC	0	-	Bn	00	MSB					Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F)		
D4-R					1/2/3/4	CC	32	-	Bn	20	LSB				"-" side : Min(MSB:0x00 LSB:0x00)			
					1/2/3/4	CC	5	-	Bn	05	MSB				"+" side : Max(MSB:0x7F LSB:0x7F)			
D5-L	MASTER TEMPO	press	<div>+SHIFT</div>		1/2/3/4	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D5-R					1/2/3/4	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D7-1	DECK 1/2/3/4	press	<div>+SHIFT</div>		1/2/3/4	NOTE	114	F#8	9n	72	hh					OFF = 0 (0x00), ON = 127 (0x7F)		
D7-2					1/2/3/4	NOTE	115	G8	9n	73	hh					LED are lit by itself without MIDI		
D7-3																		
D7-4																		
D8-L	SYNC	press			1/2/3/4	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D8-R																		
D9-L	MASTER	press			1/2/3/4	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D9-R																		
D10-L	AUTO BEAT LOOP	press	<div>+SHIFT</div>		1/2/3/4	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D10-R					1/2/3/4	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D11-L	LOOP HALF	press	<div>+SHIFT</div>		1/2/3/4	NOTE	18	F#0	9n	12	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D11-R					1/2/3/4	NOTE	97	C#7	9n	61	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D12-L	LOOP DOUBLE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	19	G0	9n	13	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D12-R					1/2/3/4	NOTE	98	D7	9n	62	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D13-L	LOOP IN	press	<div>+SHIFT</div>		1/2/3/4	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D13-R					1/2/3/4	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D14-L	LOOP OUT	press	<div>+SHIFT</div>		1/2/3/4	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D14-R					1/2/3/4	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D15-L	DIRECTION	slide		Switch to SLIP REV	1/2/3/4	NOTE	21	A0	9n	15	7F					NOTE ON		
D15-R					Switch to FWD	1/2/3/4	NOTE	21/56	A0/G#3	9n	15/38	00					NOTE OFF	
					Switch to REV	1/2/3/4	NOTE	56	G#3	9n	38	7F					NOTE ON	
D16-L	REVERSE				1/2/3/4	NOTE	56	G#3				9n	38	hh		OFF = 0 (0x00), ON = 127 (0x7F)		
D16-R																		
D17-L	SLIP	press			1/2/3/4	NOTE	64	E4	9n	40	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D17-R																		
D18-L	GRID ADJUST	press	<div>+SHIFT</div>		1/2/3/4	NOTE	121	C#9	9n	79	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D18-R					1/2/3/4	NOTE	100	E7	9n	64	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D19-L	GRID SLIDE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	10	A#-1	9n	0A	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D19-R					1/2/3/4	NOTE	101	F7	9n	65	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D20-L	SHIFT	press			1/2/3/4	NOTE	63	D#4	9n	3F	hh					OFF = 0 (0x00), ON = 127 (0x7F)		
D21-L	JOG FEELING ADJUST	press			-	-	-	-	-	-	-					without MIDI-control		
D21-R																		
D22-L	VINYL SPEED ADJUST	rotate			1/2/3/4	CC	8	-	Bn	08	MSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)		
D22-R					40	-	Bn	28	LSB									When turned fully counterclockwise: Min
D23-L	QUANTIZE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	53	F3	9n	35	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D23-R					1/2/3/4	NOTE	57	A3	9n	39	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D24-L	SEQUENCER OVERDUB	press	<div>+SHIFT</div>		1/2/3/4	NOTE	74	D5	9n	4A	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D24-R					1/2/3/4	NOTE	90	F#6	9n	5A	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D25-L	SEQUENCER START	press	<div>+SHIFT</div>		1/2/3/4	NOTE	75	D#5	9n	4B	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D25-R					1/2/3/4	NOTE	91	G6	9n	5B	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D26-L	CAPTURE	press	<div>+SHIFT</div>		1/2/3/4	NOTE	73	C#5	9n	49	hh					OFF = 0 (0x00), ON = 127 (0x7F)		
D26-R					1/2/3/4	NOTE	89	F6	9n	59	hh					OFF = 0 (0x00), ON = 127 (0x7F)		
D27-L	JOG MODE	press			1/2/3/4	NOTE	23	B0	9n	17	hh	← Same as MIDI-IN				OFF = 0 (0x00), ON = 127 (0x7F)		
D27-R																		
D28-L	TEMPO RESET	press			1/2/3/4	NOTE												

MIXER	M1	CROSS FADER	slide			7	CC	31 63	-	B6	1F 3F	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) Min at left side, Max at right side	
	M2-1 M2-2 M2-3 M2-4	CH FADER	slide			1/2/3/4	CC	19 51	-	Bn	13 33	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) 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 not Zero → Zero	1/2/3/4 1/2/3/4	NOTE NOTE	102 82	F#7 A#5	9n 9n	66 52	hh hh				PLAY message only for Cross fader start and CH fader start OFF=0x00, ON=0x7F	
	M3-1 M3-2 M3-3 M3-4	TRIM	rotate			1/2/3/4	CC	4 36	-	Bn	04 24	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	M4-1 M4-2 M4-3 M4-4	HIGH	rotate			1/2/3/4	CC	7 39	-	Bn	07 27	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	M5-1 M5-2 M5-3 M5-4	MID	rotate			1/2/3/4	CC	11 43	-	Bn	0B 2B	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	M6-1 M6-2 M6-3 M6-4	LOW	rotate			1/2/3/4	CC	15 47	-	Bn	0F 2F	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	M7-1 M7-2 M7-3 M7-4	CUE (Headphone)	press			1/2/3/4	NOTE	84	C6	9n	54	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
				+SHIFT		1/2/3/4	NOTE	104	G#7	9n	68	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	M8-1 M8-2 M8-3 M8-4	CRF ASSIGN	slide		Switch to A	1/2/3/4 1/2/3/4	NOTE NOTE	22 29/24	A#0 F1/C1	9n 9n	16 1D/18	7F 00					OFF = 0 (0x00), ON = 127 (0x7F) OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to THRU	1/2/3/4 1/2/3/4	NOTE NOTE	29 22/24	F1 A#0/C1	9n 9n	1D 16/18	7F 00					OFF = 0 (0x00), ON = 127 (0x7F) OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to B	1/2/3/4 1/2/3/4	NOTE NOTE	24 22/29	C1 A#0/F1	9n 9n	18 16/1D	7F 00					OFF = 0 (0x00), ON = 127 (0x7F) OFF = 0 (0x00), ON = 127 (0x7F)
	M9	MASTER LEVEL	rotate			1/2/3/4	CC	8 40	-	Bn	08 28	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M10	MASTER BALANCE	rotate			1/2/3/4	CC	10 42	-	Bn	0A 2A	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M11	BOOTH LEVEL	rotate			1/2/3/4	CC	9 41	-	Bn	09 29	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M12	MASTER CUE	press			7	NOTE	99	D#7	96	63	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
				+SHIFT		7	NOTE	98	D7	96	62	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	M13	HEADPHONES MONO SPLIT / STEREO	slide			7	NOTE	46	A#2	96	2E	hh					STEREO=0x00, MONO SPLIT=0x7F
	M14	HEADPHONES MIXING	rotate			7	CC	12 44	-	B6	0C 2C	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M15	HEADPHONES LEVEL	rotate			7	CC	13 45	-	B6	0D 2D	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M16	MIC EQ HIGH	rotate			7	CC	7 39	-	B6	07 27	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M17	MIC EQ MID	rotate			7	CC	11 43	-	B6	0B 2B	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M18	MIC EQ LOW	rotate			7	CC	15 47	-	B6	0F 2F	MSB LSB					Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	M19	MIC1 LEVEL	rotate			-	-	-	-	-	-	-					without MIDI-control
	M20	MIC2 LEVEL	rotate			-	-	-	-	-	-	-					without MIDI-control
	M21	EQ CURVE	slide			7	NOTE	25	C#1	96	19	hh					ISOLATOR=0x7F, EQ=0x00
	M22	CH FADER CURVE	slide		Switch to 	7	NOTE	42	F#2	96	2A	7F					OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to 	7	NOTE	43/44	G2/G#2	96	2B/2C	00					OFF = 0 (0x00), ON = 127 (0x7F)
						7	NOTE	43	G2	96	2B	7F					OFF = 0 (0x00), ON = 127 (0x7F)
						7	NOTE	42/44	F#2/G#2	96	2A/2C	00					OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to 	7	NOTE	44	G#2	96	2C	7F					
	M23	CROSS FADER CURVE	slide		Switch to 	7	NOTE	42/43	F#2/G2	96	2A/2B	00					OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to 	7	NOTE	26	D1	96	1A	7F					OFF = 0 (0x00), ON = 127 (0x7F)
						7	NOTE	27/28	D#1/E1	96	1B/1C	00					OFF = 0 (0x00), ON = 127 (0x7F)
						7	NOTE	27	D#1	96	1B	7F					OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to 	7	NOTE	26/28	D1/E1	96	1A/1C	00					OFF = 0 (0x00), ON = 127 (0x7F)
	M24-1 M24-2 M24-3 M24-4	INPUT SELECT	slide		Switch to 	7	NOTE	28	E1	96	1C	7F					OFF = 0 (0x00), ON = 127 (0x7F)
					Switch to each one	7	NOTE	26/27	D1/D#1	96	1A/1B	00					OFF = 0 (0x00), ON = 127 (0x7F)
						1/2/3/4	NOTE	25	C#1	9n	19	hh					LINE=0x7F, USB=0x00
						Switch to USB	1/2/3/4	NOTE	85	C#6	9n	55	7F				
					Switch to PHONO	1/2/3/4	NOTE	86/87	D6/D#6	9n	56/57	00					OFF = 0 (0x00), ON = 127 (0x7F)
	M25	MIC ON / OFF / TALKOVER	slide		Switch to PHONO	1/2/3/4	NOTE	86	D6	9n	56	7F					OFF = 0 (0x00), ON = 127 (0x7F)
Switch to LINE					1/2/3/4	NOTE	85/87	C#6/D#6	9n	55/57	00					OFF = 0 (0x00), ON = 127 (0x7F)	
					1/2/3/4	NOTE	87	D#6	9n	57	7F					OFF = 0 (0x00), ON = 127 (0x7F)	
					1/2/3/4	NOTE	86/97	C#6/D6	9n	55/56	00					OFF = 0 (0x00), ON = 127 (0x7F)	
7					NOTE	106	A#7	96	6A	7F					OFF = 0 (0x00), ON = 127 (0x7F)		
EFFECT	E1-L E1-R	FX1/FX2 MODE	press			5/6 5/6	NOTE NOTE	64 97	E4 C#7	9m 9m	40 61	hh hh				OFF = 0 (0x00), ON = 127 (0x7F) OFF = 0 (0x00), ON = 127 (0x7F)	
	E2-L E2-R	FX1-1 FX2-1	rotate			5/6	CC	2 34	-	Bm	02 22	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
																0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F	
	E3-L E3-R	FX1-2 FX2-2	rotate				5/6	CC	4 36	-	Bm	04 24	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
																	0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E4-L E4-R	FX1-3 FX2-3	rotate				5/6	CC	6 38	-	Bm	06 26	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
																	0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
E5-L E5-R E6-L E6-R	FX1-1 ON FX2-1 ON FX1-2 ON FX2-2 ON	press			5/6 5/6 5/6 5/6	NOTE NOTE NOTE NOTE	71 99 72 100	B4 D#7 C5 E7	9m 9m 9m 9m	47 63 48 64	hh hh hh hh	← Same as MIDI-IN ← Same as MIDI-IN ← Same as MIDI-IN ← Same as MIDI-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)		

E7-L E7-R	FX1-3 ON	press	+SHIFT		5/6	NOTE	73	C#5	9m	49	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
	FX2-3 ON				5/6	NOTE	101	F7	9m	65	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E8-L E8-R	FX1/FX2 RELEASE FX	slide	+SHIFT		5/6	CC	24	-	Bm	18	hh		0x00~0x7F Min at top end, Max at bottom end			
					5/6	CC	56	-	Bm	38	hh		0x00~0x7F Min at top end, Max at bottom end			
E9-L E9-R	FX1/FX2 RELEASE FX INDICATOR	(top)	+SHIFT		5/6	NOTE	49	C#3				9m 31 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
					5/6	NOTE	81	A5				9m 51 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
		(middle)	+SHIFT		5/6	NOTE	50	D3				9m 32 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
					5/6	NOTE	82	A#5				9m 52 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
		(bottom)	+SHIFT		5/6	NOTE	51	D#3				9m 33 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
					5/6	NOTE	83	B5				9m 53 hh	OFF = 0 (0x00), ON = 127 (0x7F)			
E10-L E10-R	FX1/FX2 TIME	rotate	+SHIFT		5/6	CC	16	-	Bm	10	hh		Difference count value from when previous operated Turn clockwise: 0x01~0x1E (max) Turn counterclockwise: 0x7F~0x62 (max)			
					5/6	CC	48	-	Bm	30	hh		Difference count value from when previous operated Turn clockwise: 0x01~0x1E (max) Turn counterclockwise: 0x7F~0x62 (max)			
E11-L E11-R	FX1/FX2 BEAT DOWN	press	+SHIFT		5/6	NOTE	74	D5	9m	4A	hh		OFF = 0 (0x00), ON = 127 (0x7F)			
E12-L E12-R	FX1/FX2 BEAT UP	press	+SHIFT		5/6	NOTE	75	D#5	9m	4B	hh		OFF = 0 (0x00), ON = 127 (0x7F)			
E13-L E13-R	FX1/FX2 TAP	press	+SHIFT		5/6	NOTE	107	B7	9m	6B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					5/6	NOTE	102	F#7	9m	66	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-1	FX1 ASSIGN	press	+SHIFT		7	NOTE	76	E5	96	4C	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	112	E8	96	70	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-2		press	+SHIFT		7	NOTE	77	F5	96	4D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	113	F8	96	71	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-3		press	+SHIFT		7	NOTE	78	F#5	96	4E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	114	F#8	96	72	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-4		press	+SHIFT		7	NOTE	79	G5	96	4F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	115	G8	96	73	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-5		press	+SHIFT		7	NOTE	58	A#3	96	3A	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	64	E4	96	40	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E14-6	press	+SHIFT		7	NOTE	59	B3	96	3B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
				7	NOTE	65	F4	96	41	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E15-1	FX2 ASSIGN	press	+SHIFT		7	NOTE	80	G#5	96	50	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	84	C6	96	54	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E15-2		press	+SHIFT		7	NOTE	81	A5	96	51	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	85	C#6	96	55	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E15-3		press	+SHIFT		7	NOTE	82	A#5	96	52	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	86	D6	96	56	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E15-4		press	+SHIFT		7	NOTE	83	B5	96	53	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	87	D#6	96	57	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E15-5	press	+SHIFT		7	NOTE	60	C4	96	3C	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
				7	NOTE	66	F#4	96	42	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E15-6	press	+SHIFT		7	NOTE	61	C#4	96	3D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
				7	NOTE	67	G4	96	43	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E16	COLOR FX SPACE	press	+SHIFT		7	NOTE	0	C-1	96	00	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	8	G#-1	96	08	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E17	COLOR FX DUB ECHO	press	+SHIFT		7	NOTE	1	C#-1	96	01	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	9	A-1	96	09	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E18	COLOR FX CRUSH	press	+SHIFT		7	NOTE	2	D-1	96	02	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	10	A#-1	96	0A	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E19	COLOR FX JET	press	+SHIFT		7	NOTE	3	D#-1	96	03	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	11	B-1	96	0B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E20	COLOR FX PITCH	press	+SHIFT		7	NOTE	36	C2	96	24	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	52	E3	96	34	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E21	COLOR FX FILTER	press	+SHIFT		7	NOTE	37	C#2	96	25	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
				7	NOTE	53	F3	96	35	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)				
E22-1	COLOR FX PARAMETER CH1	rotate			7	CC	23	-	B6	17	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	55	-	B6	37	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E22-2	COLOR FX PARAMETER CH2	rotate			7	CC	24	-	B6	18	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	56	-	B6	38	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E22-3	COLOR FX PARAMETER CH3	rotate			7	CC	25	-	B6	19	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	57	-	B6	39	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E22-4	COLOR FX PARAMETER CH4	rotate			7	CC	26	-	B6	1A	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	58	-	B6	3A	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E22-5	COLOR FX PARAMETER SAMPLER COLOR FX	rotate			7	CC	27	-	B6	1B	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	59	-	B6	3B	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E22-6	PARAMETER MASTER	rotate			7	CC	28	-	B6	1C	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	60	-	B6	3C	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E23	COLOR FX SUB PARAMETER	rotate			7	CC	22	-	B6	16	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	54	-	B6	36	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E24	MIC FX ECHO	press	+SHIFT		7	NOTE	38	D2	96	26	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	54	F#3	96	36	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E25	MIC FX REVERB	press	+SHIFT		7	NOTE	39	D#2	96	27	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	55	G3	96	37	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E26	MIC FX PITCH	press	+SHIFT		7	NOTE	40	E2	96	28	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	56	G#3	96	38	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E27	MIC FX V TUNE	press	+SHIFT		7	NOTE	41	F2	96	29	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	57	A3	96	39	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E28	MIC FX PARAMETER	rotate			7	CC	19	-	B6	13	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	51	-	B6	33	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E29	OSCILLATOR NOISE	press	+SHIFT		7	NOTE	4	E-1	96	04	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	12	C0	96	0C	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E30	OSCILLATOR SINE	press	+SHIFT		7	NOTE	5	F-1	96	05	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	13	C#0	96	0D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E31	OSCILLATOR SIREN	press	+SHIFT		7	NOTE	6	F#-1	96	06	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	14	D0	96	0E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E32	OSCILLATOR HORN	press	+SHIFT		7	NOTE	7	G-1	96	07	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
					7	NOTE	15	D#0	96	0F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)			
E33	OSCILLATOR VOLUME	rotate			7	CC	30	-	B6	1E	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	62	-	B6	3E	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E34	OSCILLATOR PARAMETER	rotate			7	CC	29	-	B6	1D	MSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
					7	CC	61	-	B6	3D	LSB		Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max			
E35	OSCILLATOR SOURCE	slide		Switch to USB A	7	NOTE	90	F#6	96	5A	7F		NOTE ON			
									7	NOTE	91/92	G6/G#6	96	5B/5C	00	NOTE OFF
					Switch to INT.	7	NOTE	91	G6	96	5B	7F		NOTE ON		
						7	NOTE	90/92	F#6/G#6	96	5A/5C	00	NOTE OFF			
					Switch to USB B	7	NOTE	92	G#6	96	5C	7F		NOTE ON		
				7	NOTE	90/91	F#6/G6	96	5A/5B	00	NOTE OFF					

MULTI FUNCTION	P1-L P1-R	PERFORMANCE PAD 1	press		in HOT CUE mode	8/9/10/11	NOTE	0	C-1	9p	00	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	8	G#-1	9p	08	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1 mode	8/9/10/11	NOTE	16	E0	9p	10	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	24	C1	9p	18	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICER mode	8/9/10/11	NOTE	32	G#1	9p	20	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	40	E2	9p	28	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SAMPLER mode	8/9/10/11	NOTE	48	C3	9p	30	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP mode	8/9/10/11	NOTE	64	E4	9p	40	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	72	C5	9p	48	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	80	G#5	9p	50	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	88	E6	9p	58	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	96	C7	9p	60	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	104	G#7	9p	68	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	112	E8	9p	70	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	112	-	Bp	70	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	120	-	Bp	78	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P2-L P2-R	PERFORMANCE PAD 2	press		in HOT CUE mode	8/9/10/11	NOTE	1	C#-1	9p	01	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	9	A-1	9p	09	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1 mode	8/9/10/11	NOTE	17	F0	9p	11	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	25	C#1	9p	19	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICER mode	8/9/10/11	NOTE	33	A1	9p	21	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	41	F2	9p	29	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SAMPLER mode	8/9/10/11	NOTE	49	C#3	9p	31	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP mode	8/9/10/11	NOTE	65	F4	9p	41	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	73	C#5	9p	49	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	81	A5	9p	51	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	89	F6	9p	59	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	97	C#7	9p	61	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	105	A7	9p	69	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	113	F8	9p	71	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	113	-	Bp	71	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	121	-	Bp	79	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
					in HOT CUE mode	8/9/10/11	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1	8/9/10/11	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)

	P3-L P3-R	PERFORMANCE PAD 3	press	+SHIFT	mode	8/9/10/11	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICER mode	8/9/10/11	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SAMPLER mode	8/9/10/11	NOTE	50	D3	9p	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in BEAT JUMP mode	8/9/10/11	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX2 mode	8/9/10/11	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICE LOOP mode	8/9/10/11	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in VELOCITY SAMPLER mode	8/9/10/11	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	114	-	Bp	72	hh	  	0x00~0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	122	-	Bp	7A	hh	  	0x00~0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P4-L P4-R	PERFORMANCE PAD 4	press	+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX1 mode	8/9/10/11	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICER mode	8/9/10/11	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SAMPLER mode	8/9/10/11	NOTE	51	D#3	9p	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in BEAT JUMP mode	8/9/10/11	NOTE	67	G4	9p	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX2 mode	8/9/10/11	NOTE	83	B5	9p	53	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICE LOOP mode	8/9/10/11	NOTE	99	D#7	9p	63	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in VELOCITY SAMPLER mode	8/9/10/11	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	123	D#9	9p	7B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	115	-	Bp	73	hh	  	0x00~0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	123	-	Bp	7B	hh	  	0x00~0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	4	E-1	9p	04	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX1 mode	8/9/10/11	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICER mode	8/9/10/11	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)

	P5-L P5-R	PERFORMANCE PAD 5	press		in SAMPLER mode	8/9/10/11	NOTE	52	E3	9p	34	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SAMPLER mode	8/9/10/11	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP mode	8/9/10/11	NOTE	68	G#4	9p	44	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in BEAT JUMP mode	8/9/10/11	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX2 mode	8/9/10/11	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	100	E7	9p	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICE LOOP mode	8/9/10/11	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	116	-	Bp	74	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	124	-	Bp	7C	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P6-L P6-R	PERFORMANCE PAD 6	press		in HOT CUE mode	8/9/10/11	NOTE	5	F-1	9p	05	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1 mode	8/9/10/11	NOTE	21	A0	9p	15	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX1 mode	8/9/10/11	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICER mode	8/9/10/11	NOTE	37	C#2	9p	25	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICER mode	8/9/10/11	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SAMPLER mode	8/9/10/11	NOTE	53	F3	9p	35	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SAMPLER mode	8/9/10/11	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP mode	8/9/10/11	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in BEAT JUMP mode	8/9/10/11	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX2 mode	8/9/10/11	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICE LOOP mode	8/9/10/11	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	125	F9	9p	7D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	117	-	Bp	75	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	125	-	Bp	7D	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P7-L	PERFORMANCE	press		in HOT CUE mode	8/9/10/11	NOTE	6	F#-1	9p	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1 mode	8/9/10/11	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in PAD FX1 mode	8/9/10/11	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICER mode	8/9/10/11	NOTE	38	D2	9p	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SLICER mode	8/9/10/11	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SAMPLER mode	8/9/10/11	NOTE	54	F#3	9p	36	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT	in SAMPLER mode	8/9/10/11	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP	8/9/10/11	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)

	P7-R	PAD 7	press	+SHIFT	mode	8/9/10/11	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	118	-	Bp	76	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	126	-	Bp	7E	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P8-L P8-R	PERFORMANCE PAD 8	press		in HOT CUE mode	8/9/10/11	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX1 mode	8/9/10/11	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICER mode	8/9/10/11	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	47	B2	9p	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SAMPLER mode	8/9/10/11	NOTE	55	G3	9p	37	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in BEAT JUMP mode	8/9/10/11	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in PAD FX2 mode	8/9/10/11	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in SLICE LOOP mode	8/9/10/11	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
					in VELOCITY SAMPLER mode	8/9/10/11	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
				+SHIFT		8/9/10/11	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer)
						8/9/10/11	CC	119	-	Bp	77	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
				+SHIFT		8/9/10/11	CC	127	-	Bp	7F	hh		0x00-0x7F When not pressed: 0x00 When pressed fully: 0x7F
	P9-L	HOT CUE	press			1/2/3/4	NOTE	27	D#1	9n	1B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P9-R			+SHIFT		1/2/3/4	NOTE	105	A7	9n	69	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P10-L	PAD FX1	press			1/2/3/4	NOTE	30	F#1	9n	1E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P10-R			+SHIFT		1/2/3/4	NOTE	107	B7	9n	6B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P11-L	SLICER	press			1/2/3/4	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P11-R			+SHIFT		1/2/3/4	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P12-L	SAMPLER	press			1/2/3/4	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P12-R			+SHIFT		1/2/3/4	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)

	P13-L P13-R	PARAMETER (LEFT)	press		in HOT CUE	1/2/3/4	NOTE	36	C2	9n	24	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	1	C#1	9n	01	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in PAD FX1	1/2/3/4	NOTE	37	C#2	9n	25	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	2	D-1	9n	02	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in SLICER	1/2/3/4	NOTE	38	D2	9n	26	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	3	D#-1	9n	03	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in SAMPLER	1/2/3/4	NOTE	39	D#2	9n	27	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	4	E-1	9n	04	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in BEAT JUMP	1/2/3/4	NOTE	40	E2	9n	28	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	5	F-1	9n	05	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in PAD FX2	1/2/3/4	NOTE	41	F2	9n	29	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	6	F#-1	9n	06	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	P14-L P14-R	PARAMETER (RIGHT)	press		in SLICE LOOP	1/2/3/4	NOTE	42	F#2	9n	2A	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	7	G-1	9n	07	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in VELOCITY	1/2/3/4	NOTE	43	G2	9n	2B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	SAMPLER mode	1/2/3/4	NOTE	8	G#-1	9n	08	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in HOT CUE	1/2/3/4	NOTE	44	G#2	9n	2C	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	9	A-1	9n	09	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in PAD FX1	1/2/3/4	NOTE	45	A2	9n	2D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	122	D9	9n	7A	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in SLICER	1/2/3/4	NOTE	46	A#2	9n	2E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	123	D#9	9n	7B	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in SAMPLER	1/2/3/4	NOTE	47	B2	9n	2F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	124	E9	9n	7C	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in BEAT JUMP	1/2/3/4	NOTE	48	C3	9n	30	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	125	F9	9n	7D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in PAD FX2	1/2/3/4	NOTE	49	C#3	9n	31	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	126	F#9	9n	7E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in SLICE LOOP	1/2/3/4	NOTE	50	D3	9n	32	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	mode	1/2/3/4	NOTE	127	G9	9n	7F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
					in VELOCITY	1/2/3/4	NOTE	51	D#3	9n	33	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT	SAMPLER mode	1/2/3/4	NOTE	0	C-1	9n	00	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
SAMPLER	S1	SAMPLER GAIN	rotate			7	CC	4 36	-	B6	04 24	MSB LSB		Min (MSB:0x00 LSB:0x00) ~ Max (MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						7	CC	3 35	-	B6	03 23	MSB LSB		Min (MSB:0x00 LSB:0x00) ~ Max (MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	S2	SAMPLER VOLUME	rotate			7	CC	105	-	B6	69	hh		0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
				+SHIFT		7	CC	105	-	B6	69	hh		0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	S3	SAMPLER SYNC	press			7	NOTE	100	E7	96	64	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT		7	NOTE	104	G#7	96	68	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	S4	SAMPLER MASTER	press			7	NOTE	109	C#8	96	6D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT		7	NOTE	111	D#8	96	6F	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	S5	SAMPLER QUANTIZE	press			7	NOTE	93	A6	96	5D	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT		7	NOTE	94	A#6	96	5E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
	S6	SAMPLER CUE	press			7	NOTE	105	A7	96	69	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)
				+SHIFT		7	NOTE	110	D8	96	6E	hh	← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F)

MIDI-OUT

Group	Communication name	Function	MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
			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)	
ILLUMINATION CONTROL	Loaded (Deck 1)	Trigger for load illumination	12	NOTE	0	C-1				9B	00	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Loaded (Deck 2)		12	NOTE	1	C#-1				9B	01	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Loaded (Deck 3)		12	NOTE	2	D-1				9B	02	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Loaded (Deck 4)		12	NOTE	3	D#-1				9B	03	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Play/Pause (Deck 1)	Control JOG illumination	12	NOTE	12	C0				9B	0C	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Play/Pause (Deck 2)		12	NOTE	13	C#0				9B	0D	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Play/Pause (Deck 3)		12	NOTE	14	D0				9B	0E	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Play/Pause (Deck 4)		12	NOTE	15	D#0				9B	0F	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Cue (Deck 1)		12	NOTE	16	E0				9B	10	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Cue (Deck 2)		12	NOTE	17	F0				9B	11	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Cue (Deck 3)		12	NOTE	18	F#0				9B	12	hh	OFF = 0 (0x00), ON = 127 (0x7F)
	Cue (Deck 4)		12	NOTE	19	G0				9B	13	hh	OFF = 0 (0x00), ON = 127 (0x7F)
OTHER	DJ App connect		12	NOTE	9	A-1				9B	09	hh	connect = 0x00~0x7F (any value)