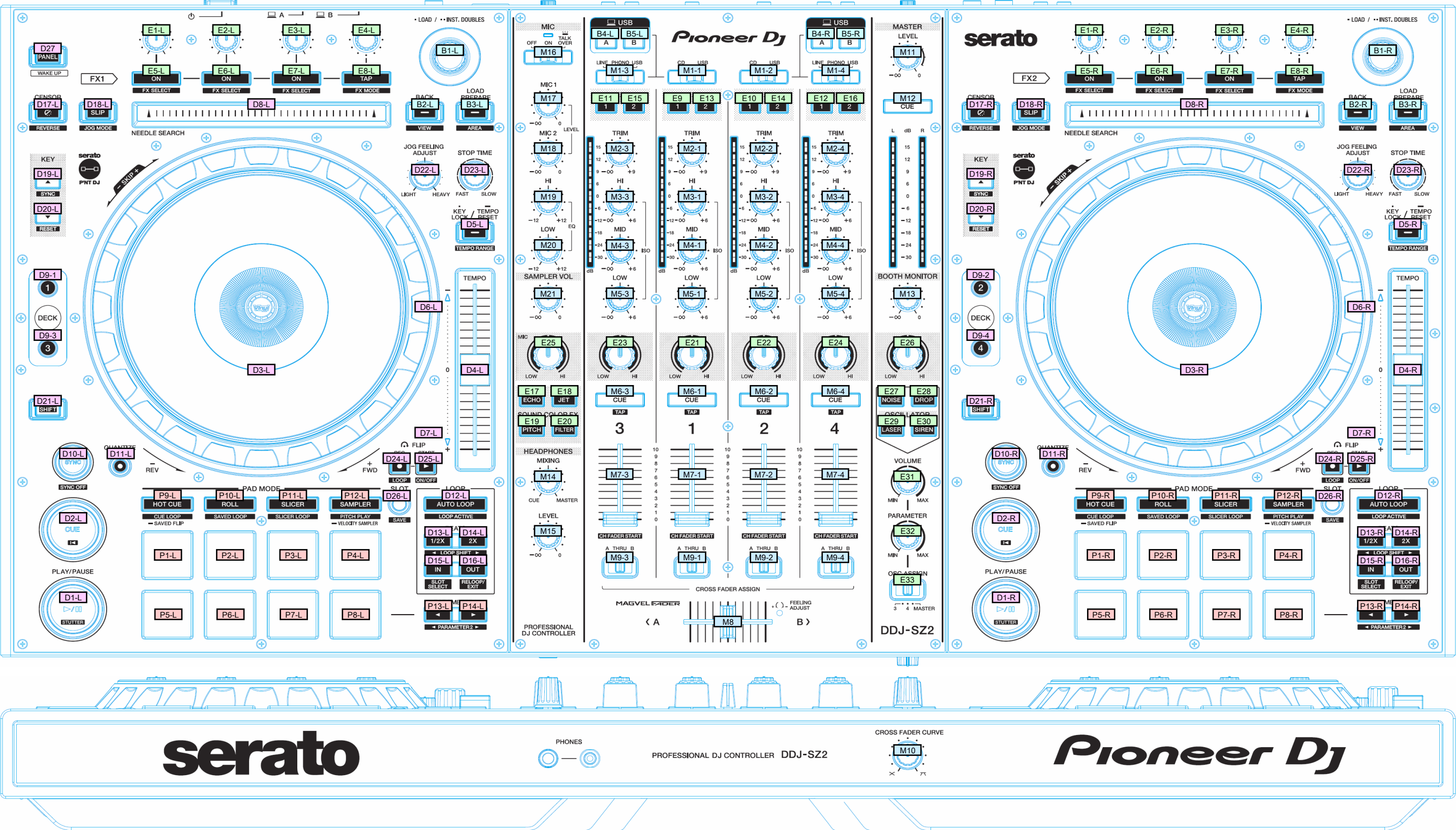


DDJ-SZ2

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	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	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)	
BROWSER	B1-L B1-R	BROWSE	rotate	+SHIFT		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)
						7	CC	100	-	B6	64	hh				
			press	+SHIFT	deck 1 selected	7	NOTE	70	A#4	96	46	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					deck 2 selected	7	NOTE	71	B4	96	47	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					deck 3 selected	7	NOTE	109	C#8	96	6D	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					deck 4 selected	7	NOTE	72	C5	96	48	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					on left deck	7	NOTE	110	D8	96	6E	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					on right deck	7	NOTE	73	C#5	96	49	hh				OFF = 0 (0x00), ON = 127 (0x7F)
	B2-L B2-R B3-L B3-R B4-L B4-R B5-L B5-R	BACK	press	+SHIFT		7	NOTE	101	F7	96	65	hh				OFF = 0 (0x00), ON = 127 (0x7F)
		LOAD	press	+SHIFT		7	NOTE	102	F#7	96	66	hh				OFF = 0 (0x00), ON = 127 (0x7F)
		PREPARE	press	+SHIFT		7	NOTE	103	G7	96	67	hh				OFF = 0 (0x00), ON = 127 (0x7F)
		USB A	press	+SHIFT		5/6	NOTE	105	A7	9m	69	hh				OFF = 0 (0x00), ON = 127 (0x7F)
DECK	D1-L D1-R D2-L D2-R	PLAY/PAUSE	press	+SHIFT		1/2/3/4	NOTE	11	B-1	9n	0B	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
						1/2/3/4	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
						1/2/3/4	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
						1/2/3/4	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D3-L D3-R	JOG (PIATTER)	touch	+SHIFT		1/2/3/4	NOTE	54	F#3	9n	36	hh				OFF = 0 (0x00), ON = 127 (0x7F)
						1/2/3/4	NOTE	103	G7	9n	67	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					Vinyl On	1/2/3/4	CC	34	-	Bn	22	hh				

DECK	D3-L	(FLATERN) JOG (WHEEL SIDE)	rotate		Vinyl Off	1/2/3/4	CC	35	-	Bn	23	hh				Difference count value from when previous operated.	
			+SHIFT			1/2/3/4	CC	31	-	Bn	1F	hh				When turned clockwise: Increases from 0x41	
			rotate			1/2/3/4	CC	33	-	Bn	21	hh				When turned counterclockwise: Decreases from 0x3F	
			+SHIFT			1/2/3/4	CC	38	-	Bn	26	hh					
	D4-L	TEMPO	slide			1/2/3/4	CC	0	-	Bn	00	MSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F)	
				+SHIFT			1/2/3/4	CC	5	-	Bn	05	MSB				"-" side : Min(MSB:0x00 LSB:0x00) "+" side : Max(MSB:0x7F LSB:0x7F)
	D5-L	KEY LOCK	press			1/2/3/4	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D5-R			+SHIFT			1/2/3/4	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
				long press			1/2/3/4	NOTE	28	E1	9n	1C	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D6-L	TAKEOVER -				1/2/3/4	NOTE	52	E3				9n	34	hh	OFF = 0 (0x00), ON = 127 (0x7F)	
	D7-L	TAKEOVER +				1/2/3/4	NOTE	55	G3				9n	37	hh	OFF = 0 (0x00), ON = 127 (0x7F)	
	D8-L	NEEDLE SEARCH	touch			1/2/3/4	CC	3	-	Bn	03	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	D8-R					1/2/3/4	NOTE	67	G4	9n	43	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
						1/2/3/4	CC	40	-	Bn	28	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
				+SHIFT			1/2/3/4	NOTE	68	G#4	9n	44	hh				OFF = 0 (0x00), ON = 127 (0x7F)
	D9-1	DECK 1/2/3/4	press			1/2/3/4	NOTE	114	F#8	9n	72	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D9-2					1/2/3/4	NOTE	115	G8	9n	73	hh	← Same as MIDI-IN			LED are lit by itself without MIDI	
	D9-3																
	D9-4																
	D10-L	SYNC	press			1/2/3/4	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D10-R			+SHIFT			1/2/3/4	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D11-L	QUANTIZE	press			1/2/3/4	NOTE	53	F3	9n	35	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D11-R			+SHIFT			1/2/3/4	NOTE	57	A3	9n	39	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D12-L	AUTO LOOP	press			1/2/3/4	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D12-R			+SHIFT			1/2/3/4	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D13-L	LOOP 1/2X	press			1/2/3/4	NOTE	18	F#0	9n	12	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D13-R			+SHIFT			1/2/3/4	NOTE	97	C#7	9n	61	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D14-L	LOOP 2X	press			1/2/3/4	NOTE	19	G0	9n	13	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D14-R			+SHIFT			1/2/3/4	NOTE	98	D7	9n	62	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D15-L	LOOP IN	press			1/2/3/4	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D15-R			+SHIFT			1/2/3/4	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
				long press			1/2/3/4	NOTE	69	A4	9n	45	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D16-L	LOOP OUT	press			1/2/3/4	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D16-R			+SHIFT			1/2/3/4	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D17-L	CENSER	press			1/2/3/4	NOTE	21	A0	9n	15	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D17-R			+SHIFT			1/2/3/4	NOTE	56	G#3	9n	38	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D18-L	SLIP	press			1/2/3/4	NOTE	64	E4	9n	40	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D18-R			+SHIFT			1/2/3/4	NOTE	23	B0	9n	17	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D19-L	KEY UP	press			1/2/3/4	NOTE	121	C#9	9n	79	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D19-R			+SHIFT			1/2/3/4	NOTE	100	E7	9n	64	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D20-L	KEY DOWN	press			1/2/3/4	NOTE	10	A#-1	9n	0A	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D20-R			+SHIFT			1/2/3/4	NOTE	101	F7	9n	65	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D21-L	SHIFT	press			1/2/3/4	NOTE	63	D#4	9n	3F	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	D21-R																
	D22-L	JOG FEELING	rotate			-	-	-	-	-	-	-				without MIDI-control	
	D22-R	ADJUST															
	D23-L	STOP TIME	rotate			1/2/3/4	CC	8	-	Bn	08	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)	
	D23-R						40										When turned fully counterclockwise: Min When turned fully clockwise: Max
	D24-L	REC	press			1/2/3/4	NOTE	74	D5	9n	4A	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
	D24-R			+SHIFT			1/2/3/4	NOTE	90	F#6	9n	5A	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	D25-L	START	press			1/2/3/4	NOTE	75	D#5	9n	4B	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
D25-R	+SHIFT					1/2/3/4	NOTE	91	G6	9n	5B	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)	
D26-L	SLOT	press			1/2/3/4	NOTE	73	C#5	9n	49	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
D26-R			+SHIFT			1/2/3/4	NOTE	89	F6	9n	59	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
D27	PANEL	press			7	NOTE	120	C9	96	78	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
			+SHIFT			7	NOTE	121	C#9	96	79	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
MIXER	M1-1	INPUT SELECT	slide	Switch to each one	1/2	NOTE	25	C#1	9n	19	hh				LINE=0x7F, USB=0x00		
	M1-2				Switch to USB	3/4	NOTE	85	C#6	9n	55	7F				OFF = 0 (0x00), ON = 127 (0x7F)	
	M1-3					3/4	NOTE	86/87	D6/D#6	9n	56/57	00				OFF = 0 (0x00), ON = 127 (0x7F)	
	M1-4				Switch to PHONO	3/4	NOTE	86	D6	9n	56	7F				OFF = 0 (0x00), ON = 127 (0x7F)	
						3/4	NOTE	85/87	C#6/D#6	9n	55/57	00				OFF = 0 (0x00), ON = 127 (0x7F)	
					Switch to LINE	3/4	NOTE	87	D#6	9n	57	7F				OFF = 0 (0x00), ON = 127 (0x7F)	
	M2-1	TRIM	rotate			1/2/3/4	CC	4	-	Bn	04	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)	
	M2-2														When turned fully counterclockwise: Min		
	M2-3														When turned fully clockwise: Max		
	M2-4																
	M3-1	EQ HIGH	rotate			1/2/3/4	CC	7	-	Bn	07	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)	
	M3-2														When turned fully counterclockwise: Min		
	M3-3														When turned fully clockwise: Max		
	M3-4																
	M4-1	EQ MID	rotate			1/2/3/4	CC	11	-	Bn	0B	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)	
	M4-2														When turned fully counterclockwise: Min		
	M4-3														When turned fully clockwise: Max		
	M4-4																
	M5-1	EQ LOW	rotate			1/2/3/4	CC	15	-	Bn	0F	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)	
	M5-2														When turned fully counterclockwise: Min		
	M5-3														When turned fully clockwise: Max		
M5-4																	
M6-1	CUE (HEADPHONE)	press			1/2/3/4	NOTE	84	C6	9n	54	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
M6-2					1/2/3/4	NOTE	104	G#7	9n	68	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
M6-3																	
M6-4																	
M7-1	CH FADER	slide			1/2/3/4	CC	19	-	Bn	13	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)		
M7-2														Min at bottom end, Max at top end			
M7-3																	
M7-4																	
M8	CROSS FADER	slide			7	CC	31	-	B6	1F	MSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F)		
						63				3F	LSB				Min at left side, Max at right side		
M7-1	CROSS FADER / CH FADER (FADER START)	slide	+SHIFT	Zero → not Zero	1/2/3/4	NOTE	102	F#7	9n	66	hh				PLAY message only for Cross fader start and CH fader start OFF=0x00, ON=0x7F		
M7-2																	
M7-3																	
M7-4																	
M8																	
M9-1	CRF ASSIGN	slide		Switch to A	1/2/3/4	NOTE	22	A#0	9n	16	7F				OFF = 0 (0x00), ON = 127 (0x7F)		
M9-2					1/2/3/4	NOTE	29/24	F1/C1	9n	1D/18	00				OFF = 0 (0x00), ON = 127 (0x7F)		
M9-3					1/2/3/4	NOTE	29	F1	9n	1D	7F				OFF = 0 (0x00), ON = 127 (0x7F)		
					Switch to THRU	1/2/3/4	NOTE	22/24	A#0/C1	9n	16/18	00				OFF = 0 (0x00), ON = 127 (0x7F)	

	M9-4			Switch to B	1/2/3/4	NOTE	24	C1	9n	18	7F				OFF = 0 (0x00), ON = 127 (0x7F)
					1/2/3/4	NOTE	22/29	A#0/F1	9n	16/1D	00				OFF = 0 (0x00), ON = 127 (0x7F)
	M10	CROSS FADER CURVE	rotate		7	CC	1 33	-	B6	01 21	MSB LSB				OFF = 0 (0x00), ON = 127 (0x7F) OFF = 0 (0x00), ON = 127 (0x7F)
	M11	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
	M12	MASTER CUE	press	+SHIFT	7	NOTE	99	D#7	96	63	hh				OFF = 0 (0x00), ON = 127 (0x7F)
		7	NOTE		98	D7	96	62	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	M13	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
	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 ON / OFF / TALKOVER	slide	Switch to OFF	7	NOTE	106	A#7	96	6A	7F				OFF = 0 (0x00), ON = 127 (0x7F)
					7	NOTE	107/108	B7/C8	96	6B/6C	00				OFF = 0 (0x00), ON = 127 (0x7F)
				Switch to ON	7	NOTE	107	B7	96	6B	7F				OFF = 0 (0x00), ON = 127 (0x7F)
					7	NOTE	106/108	A#7/C8	96	6A/6C	00				OFF = 0 (0x00), ON = 127 (0x7F)
				Switch to TALK OVER	7	NOTE	108	C8	96	6C	7F				OFF = 0 (0x00), ON = 127 (0x7F)
	7	NOTE	106/107		A#7/B7	96	6A/6B	00				OFF = 0 (0x00), ON = 127 (0x7F)			
	M17	MIC1 LEVEL	rotate		-	-	-	-	-	-	-				without MIDI-control
	M18	MIC2 LEVEL	rotate		-	-	-	-	-	-	-				without MIDI-control
	M19	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
	M20	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
	M21	SAMPLER VOLUME	rotate	+SHIFT	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
					7	CC	105	-	B6	69	hh				0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
EFFECT	E1-L	FX1-1	rotate	+SHIFT	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
	E1-R	FX2-1			5/6	CC	18 50	-	Bm	12 32	MSB LSB				
	E2-L	FX1-2	rotate	+SHIFT	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
	E2-R	FX2-2			5/6	CC	20 52	-	Bm	14 34	MSB LSB				
	E3-L	FX1-3	rotate	+SHIFT	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
	E3-R	FX2-3			5/6	CC	22 54	-	Bm	16 36	MSB LSB				
	E4-L	FX1/FX2 BEATS	press	+SHIFT	5/6	NOTE	67	G4	9m	43	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					5/6	NOTE	64	E4	9m	40	hh				OFF = 0 (0x00), ON = 127 (0x7F)
			rotate	+SHIFT	5/6	CC	0	-	Bm	00	hh				Difference count value from when previous operated Turn clockwise: 0x01~0x1E (max) Turn counterclockwise: 0x7F~0x62 (max)
					5/6	CC	16	-	Bm	10	hh				
	E5-L	FX1-1 ON	press	+SHIFT	5/6	NOTE	71	B4	9m	47	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E5-R	FX2-1 ON			5/6	NOTE	99	D#7	9m	63	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E6-L	FX1-2 ON	press	+SHIFT	5/6	NOTE	72	C5	9m	48	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E6-R	FX2-2 ON			5/6	NOTE	100	E7	9m	64	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E7-L	FX1-3 ON	press	+SHIFT	5/6	NOTE	73	C#5	9m	49	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E7-R	FX2-3 ON			5/6	NOTE	101	F7	9m	65	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E8-L	FX1/FX2	press	+SHIFT	5/6	NOTE	74	D5	9m	4A	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E8-R	TAP			5/6	NOTE	102	F#7	9m	66	hh	← Same as MIDI-IN			OFF = 0 (0x00), ON = 127 (0x7F)
	E9	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)
			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)
	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)	
	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)	
	E13	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)
			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)
	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)	
	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)	
	E17	COLOR FX ECHO	press	+SHIFT	7	NOTE	0	C-1	96	00	hh				OFF = 0 (0x00), ON = 127 (0x7F)
		7			NOTE	8	G#-1	96	08	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	E18	COLOR FX JET	press	+SHIFT	7	NOTE	1	C#-1	96	01	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					7	NOTE	9	A-1	96	09	hh				OFF = 0 (0x00), ON = 127 (0x7F)
	E19	COLOR FX PITCH	press	+SHIFT	7	NOTE	2	D-1	96	02	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					7	NOTE	10	A#-1	96	0A	hh				OFF = 0 (0x00), ON = 127 (0x7F)
	E20	COLOR FX FILTER	press	+SHIFT	7	NOTE	3	D#-1	96	03	hh				OFF = 0 (0x00), ON = 127 (0x7F)
					7	NOTE	11	B-1	96	0B	hh				OFF = 0 (0x00), ON = 127 (0x7F)
	E21	COLOR FX PARAMETER CH1	rotate		7	CC	23 55	-	B6	17 37	MSB LSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	E22	COLOR FX PARAMETER CH2			7	CC	24 56	-	B6	18 38	MSB LSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	E23	COLOR FX PARAMETER CH3	rotate		7	CC	25 57	-	B6	19 39	MSB LSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	E24	COLOR FX PARAMETER CH4			7	CC	26 58	-	B6	1A 3A	MSB LSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	E25	COLOR FX PARAMETER MIC	rotate		7	CC	27 59	-	B6	1B 3B	MSB LSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
	E26	COLOR FX PARAMETER			7	CC	28	-	B6	1C	MSB				Min(MSB:0x00 LSB:0x00) ~ Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min

	E27	OSCILLATOR NOISE	press	+SHIFT	7	NOTE	4	E-1	96	04	hh				When turned fully clockwise: Max OFF = 0 (0x00), ON = 127 (0x7F)	
	E28	OSCILLATOR DROP	press	+SHIFT	7	NOTE	5	F-1	96	05	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	E29	OSCILLATOR LASER	press	+SHIFT	7	NOTE	6	F#-1	96	06	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	E30	OSCILLATOR SIREN	press	+SHIFT	7	NOTE	7	G-1	96	07	hh				OFF = 0 (0x00), ON = 127 (0x7F)	
	E31	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	
	E32	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	
	E33	OSCILLATOR SOURCE	slide	Switch to 3	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 4	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 MASTER	7	NOTE	92	G#6	96	5C	7F				NOTE ON					
	7	NOTE	90/91	F#6/G6	96	5A/5B	00				NOTE OFF					
PAD	P1-L P1-R	PERFORMANCE PAD 1	press	+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	0	C-1	9p	00	hh			← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F) MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer), ON=0x7F (default color)
					in ROLL mode	8/9/10/11	NOTE	8	G#-1	9p	08	hh			← Same as MIDI-IN	
					in SLICER mode	8/9/10/11	NOTE	16	E0	9p	10	hh			← Same as MIDI-IN	
					in SAMPLER mode	8/9/10/11	NOTE	24	C1	9p	18	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	32	G#1	9p	20	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	40	E2	9p	28	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	48	C3	9p	30	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	56	G#3	9p	38	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	64	E4	9p	40	hh			← Same as MIDI-IN	
					in CUE LOOP mode	8/9/10/11	NOTE	72	C5	9p	48	hh			← Same as MIDI-IN	
in CUE LOOP mode					8/9/10/11	NOTE	80	G#5	9p	50	hh			← Same as MIDI-IN		
in CUE LOOP mode					8/9/10/11	NOTE	88	E6	9p	58	hh			← Same as MIDI-IN		
in CUE LOOP mode	8/9/10/11	NOTE	96	C7	9p	60	hh			← Same as MIDI-IN						
P2-L P2-R	PERFORMANCE PAD 2	press	+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	104	G#7	9p	68	hh			← Same as MIDI-IN	MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer), ON=0x7F (default color)	
				in HOT CUE mode	8/9/10/11	NOTE	112	E8	9p	70	hh			← Same as MIDI-IN		
				in ROLL mode	8/9/10/11	NOTE	120	C9	9p	78	hh			← Same as MIDI-IN		
				in SLICER mode	8/9/10/11	NOTE	120	-	Bp	78	hh					Min 0 (0x00) ~ Max 127 (0x7F)
				in SLICER mode	8/9/10/11	CC	120	-	Bp	78	hh					When not pressed: 0, When pressed fully: 127
				in SAMPLER mode	8/9/10/11	NOTE	1	C#-1	9p	01	hh			← Same as MIDI-IN		
				in SAMPLER mode	8/9/10/11	NOTE	9	A-1	9p	09	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	17	F0	9p	11	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	25	C#1	9p	19	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	33	A1	9p	21	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	41	F2	9p	29	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	49	C#3	9p	31	hh			← Same as MIDI-IN		
in CUE LOOP mode	8/9/10/11	NOTE	57	A3	9p	39	hh			← Same as MIDI-IN						
P3-L P3-R	PERFORMANCE PAD 3	press	+SHIFT	in CUE LOOP mode	8/9/10/11	NOTE	65	F4	9p	41	hh			← Same as MIDI-IN	MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer), ON=0x7F (default color)	
				in CUE LOOP mode	8/9/10/11	NOTE	73	C#5	9p	49	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	81	A5	9p	51	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	89	F6	9p	59	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	97	C#7	9p	61	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	105	A7	9p	69	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	113	F8	9p	71	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	121	C#9	9p	79	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	CC	113	-	Bp	71	hh					Min 0 (0x00) ~ Max 127 (0x7F)
				in CUE LOOP mode	8/9/10/11	CC	121	-	Bp	79	hh					When not pressed: 0, When pressed fully: 127
				in CUE LOOP mode	8/9/10/11	NOTE	2	D-1	9p	02	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	10	A#-1	9p	0A	hh			← Same as MIDI-IN		
in CUE LOOP mode	8/9/10/11	NOTE	18	F#0	9p	12	hh			← Same as MIDI-IN						
in CUE LOOP mode	8/9/10/11	NOTE	26	D1	9p	1A	hh			← Same as MIDI-IN						
P4-L P4-R	PERFORMANCE PAD 4	press	+SHIFT	in CUE LOOP mode	8/9/10/11	NOTE	34	A#1	9p	22	hh			← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F) MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer), ON=0x7F (default color)	
				in CUE LOOP mode	8/9/10/11	NOTE	42	F#2	9p	2A	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	50	D3	9p	32	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	58	A#3	9p	3A	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	66	F#4	9p	42	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	74	D5	9p	4A	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	82	A#5	9p	52	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	90	F#6	9p	5A	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	98	D7	9p	62	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	106	A#7	9p	6A	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	114	F#8	9p	72	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	122	D9	9p	7A	hh			← Same as MIDI-IN		
in CUE LOOP mode	8/9/10/11	CC	114	-	Bp	72	hh				Min 0 (0x00) ~ Max 127 (0x7F)					
in CUE LOOP mode	8/9/10/11	CC	122	-	Bp	7A	hh				When not pressed: 0, When pressed fully: 127					
P5-L P5-R	PERFORMANCE PAD 5	press	+SHIFT	in HOT CUE mode	8/9/10/11	NOTE	3	D#-1	9p	03	hh			← Same as MIDI-IN	OFF = 0 (0x00), ON = 127 (0x7F) MIDI-OUT: lit in color specified in color number. (1-64) OFF=0x00 (dimmer), ON=0x7F (default color)	
				in HOT CUE mode	8/9/10/11	NOTE	11	B-1	9p	0B	hh			← Same as MIDI-IN		
				in ROLL mode	8/9/10/11	NOTE	19	G0	9p	13	hh			← Same as MIDI-IN		
				in SLICER mode	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		
				in CUE LOOP mode	8/9/10/11	NOTE	43	G2	9p	2B	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	51	D#3	9p	33	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	59	B3	9p	3B	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	67	G4	9p	43	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	75	D#5	9p	4B	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	83	B5	9p	53	hh			← Same as MIDI-IN		
				in CUE LOOP mode	8/9/10/11	NOTE	91	G6	9p	5B	hh			← Same as MIDI-IN		
in CUE LOOP mode	8/9/10/11	NOTE	99	D#7	9p	63	hh			← Same as MIDI-IN						
in CUE LOOP mode	8/9/10/11	NOTE	107	B7	9p	6B	hh			← Same as MIDI-IN						
in CUE LOOP mode	8/9/10/11	NOTE	115	G8	9p	73	hh			← Same as MIDI-IN						
	8/9/10/11	CC	115	-	Bp	73	hh				Min 0 (0x00) ~ Max 127 (0x7F)					
in CUE LOOP mode	8/9/10/11	CC	123	-	Bp	7B	hh				When not pressed: 0, When pressed fully: 127					

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)