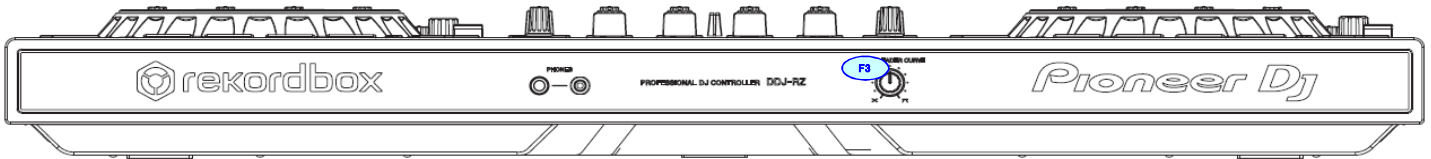
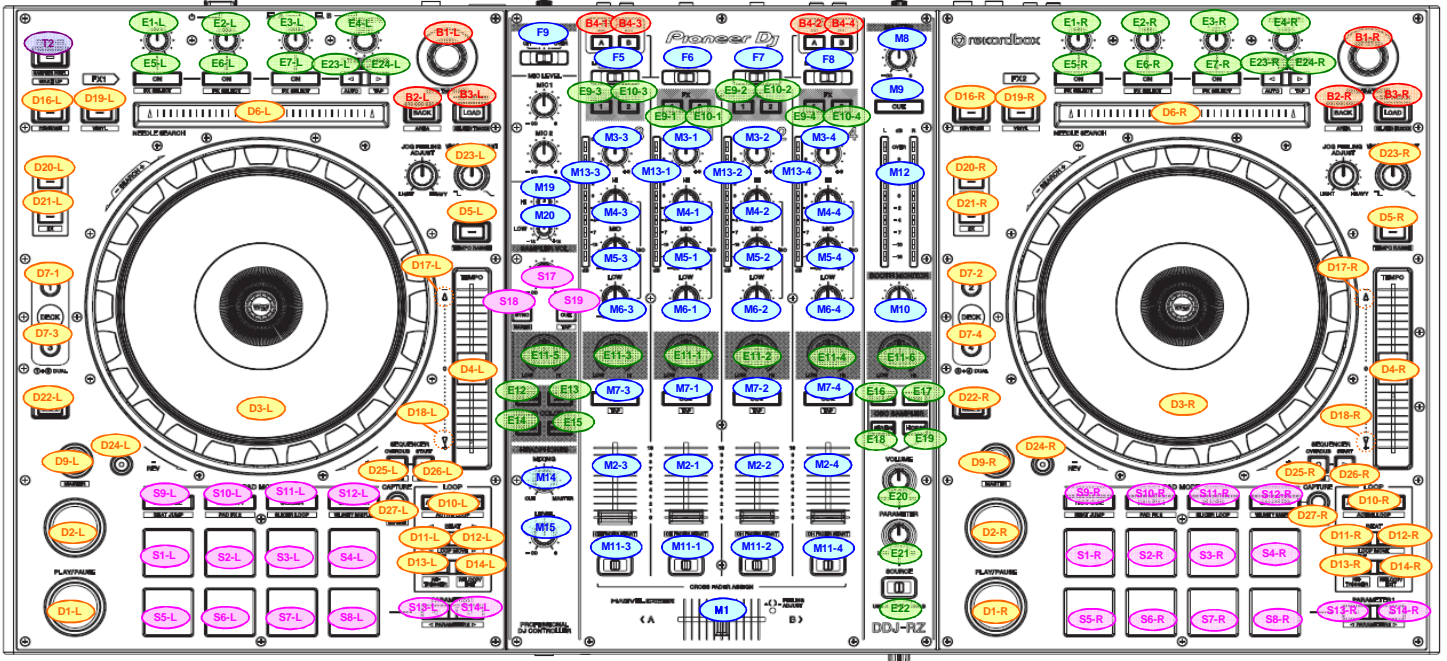


DDJ-RZ

List of MIDI messages version 1.00



[MIDI channel assignment]
MIDI channel is defined as shown below.
0x9* :Note
0xB* :Control Change (CC)

Channel Category	MIDI Channel	*(Hex)
DECK1	1	n=0
DECK2	2	n=1
DECK3	3	n=2
DECK4	4	n=3
FX DECK1/DECK3	5	m=4
FX DECK2/DECK4	6	m=5
Browser,Global Section	7	m=6
PERFORMANCE PAD (DECK1)	8	p=7
PERFORMANCE PAD (DECK2)	9	p=8
PERFORMANCE PAD (DECK3)	10	p=9
PERFORMANCE PAD (DECK4)	11	p=A
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 halfnote.

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)		
		UI name	Trigger	+SHIFT	Condition (mode)	MIDI Channel (Dec)	NOTE/CC (Dec)	MIDI Data (Data 1) (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)		Data 2 (Hex)	
BROWSER	B1-L	BROWSE	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) OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F ← Same as MIDI-IN OFF=0x00, ON=0x7F	
	B1-R		press			7	CC	100	-	B6	64	hh					
						1/2/3/4	NOTE	65	F4	9n	41	hh					
						1/2/3/4	NOTE	66	F#4	9n	42	hh					
	B2-L	BACK	press			7	NOTE	101	F7	96	65	hh					
	B2-R		press			7	NOTE	102	F#7	96	66	hh					
						7	NOTE	70	A#4	96	46	hh					
						7	NOTE	88	E6	96	58	hh					
						7	NOTE	71	B4	96	47	hh					
	B3-L	LOAD	press		deck1 selected on left deck	7	NOTE	89	F6	96	59	hh					
						7	NOTE	72	C5	96	48	hh					
							7	NOTE	96	C7	96	60	hh				
							7	NOTE	73	C#5	96	49	hh				
	B3-R		press		deck2 selected on right deck	7	NOTE	97	C#7	96	61	hh					
					7	NOTE	89	F6	96	59	hh						
					7	NOTE	72	C5	96	48	hh						
					7	NOTE	96	C7	96	60	hh						
					7	NOTE	73	C#5	96	49	hh						
					7	NOTE	97	C#7	96	61	hh						
B4-1	USB A	press			5/6	NOTE	105	A7	9m	69	hh						
B4-2		press			5/6	NOTE	103	G7	9m	67	hh						
B4-3	USB B	press			5/6	NOTE	106	A#7	9m	6A	hh						
B4-4		press			5/6	NOTE	104	G#7	9m	68	hh						

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)
		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)	
DECK	D1-L D1-R	PLAY/PAUSE	press			1/2/3/4	NOTE	11	B-1	9n	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
					<i>in Remix deck for TRAKTOR</i>	3/4	NOTE	14	D0	9n	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT			1/2/3/4	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D2-L D2-R	CUE	press			1/2/3/4	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						<i>Vinyl On</i>	1/2/3/4	CC	34	-	Bn	22	hh		
						<i>Vinyl Off</i>	1/2/3/4	CC	35	-	Bn	23	hh		
							1/2/3/4	CC	31	-	Bn	1F	hh		
	D3-L D3-R	JOG (Platter)	rotate			1/2/3/4	NOTE	54	F#3	9n	36	hh			
						1/2/3/4	NOTE	103	G7	9n	67	hh			
							1/2/3/4	CC	33	-	Bn	21	hh		
							1/2/3/4	CC	38	-	Bn	26	hh		
							1/2/3/4	CC	0	32	-	Bn	00	MSB LSB	
							1/2/3/4	CC	5	37	-	Bn	05	MSB LSB	
	D4-L D4-R	TEMPO	slide			1/2/3/4	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D5-L D5-R	MASTER TEMPO	press			1/2/3/4	CC	3	-	Bn	03	hh	-	-	
						1/2/3/4	NOTE	67	G4	9n	43	hh	-	-	
						1/2/3/4	CC	40	-	Bn	28	hh	-	-	
						1/2/3/4	NOTE	68	G#4	9n	44	hh	-	-	
	D6-L D6-R	NEEDLE SEARCH	touch			1/2/3/4	NOTE	114	F#8	9n	72	hh			
						1/2/3/4	NOTE	115	G8	9n	73	hh			
	D7-1 D7-2 D7-3 D7-4	DECK 1/2/3/4	press			1/2/3/4	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D9-L D9-R	SYNC	press			1/2/3/4	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D10-L D10-R	AUTO LOOP	press			1/2/3/4	NOTE	18	F#0	9n	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	97	C#7	9n	61	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D11-L D11-R	LOOP HALF	press			1/2/3/4	NOTE	19	G0	9n	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	98	D7	9n	62	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D12-L D12-R	LOOP DOUBLE	press			1/2/3/4	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D13-L D13-R	LOOP IN	press			1/2/3/4	NOTE	69	A4	9n	45	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D14-L D14-R	LOOP OUT	press			1/2/3/4	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	21	A0	9n	15	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D16-L D16-R	SLIP REVERSE	press			1/2/3/4	NOTE	56	G#3	9n	38	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D17-L D17-R	TEMPO -													
	D18-L D18-R	TEMPO +													
	D19-L D19-R	SLIP	press			1/2/3/4	NOTE	64	E4	9n	40	hh			
						1/2/3/4	NOTE	23	B0	9n	17	hh	9n	0D	
	D20-L D20-R	GRID ADJUST	press			1/2/3/4	NOTE	121	C#9	9n	79	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						1/2/3/4	NOTE	100	E7	9n	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	D21-L D21-R	GRID SLIDE	press			1/2/3/4	NOTE	10	A#-1	9n	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
					1/2/3/4	NOTE	101	F7	9n	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
D22-L D22-R	SHIFT	press			1/2/3/4	NOTE	63	D#4	9n	3F	hh				
D23-L D23-R	VINYL SPEED ADJUST	rotate			5/6	CC	8	-	Bm	08	28	MSB LSB			
D24-L D24-R	QUANTIZE	press			1/2/3/4	NOTE	53	F3	9n	35	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					1/2/3/4	NOTE	57	A3	9n	39	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
D25-L D25-R	SEQUENCER REC	press			1/2/3/4	NOTE	74	D5	9n	4A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					1/2/3/4	NOTE	90	F#6	9n	5A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
D26-L D26-R	SEQUENCER START	press			1/2/3/4	NOTE	75	D#5	9n	4B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					1/2/3/4	NOTE	91	G6	9n	5B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
D27-L D27-R	CAPTURE	press			1/2/3/4	NOTE	73	C#5	9n	49	hh				
					1/2/3/4	NOTE	89	F6	9n	59	hh				

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)			
		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)		
								(Dec)	(English scale)									
MIXER	M1	CROSSFADER	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			1/2/3/4	NOTE	102	F#7	9n	66	hh				PLAY message only for CH fader start OFF=0x00, ON=0x7F		
				+SHIFT	Zero → not Zero	1/2/3/4	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			1/2/3/4	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	EQ 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	EQ 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	EQ 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	CUE (Headphone)*3	press			1/2/3/4	NOTE	84	C6	9n	54	hh				← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				+SHIFT	1/2/3/4	NOTE	104	G#7	9n	68	hh				← Same as MIDI-IN	OFF=0x00, ON=0x7F		
	M8	MASTER LEVEL	rotate			7	CC	8 40	-	B6	08 28	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F)		
	M9	MASTER CUE	rotate			7	NOTE	99	D#7	96	63	hh				LED are lit by itself or by MIDI-OUT		
	M10	BOOTH LEVEL	rotate			7	CC	9 41	-	B6	09 29	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F)		
	M11-1 M11-2 M11-3 M11-4	CRF ASSIGN	slide	Switch to A		1/2/3/4	NOTE	22	A#0	9n	16	7F					NOTE ON	
				Switch to THRU		1/2/3/4	NOTE	24/29	C1/F1	9n	18/1D	00						NOTE OFF
						1/2/3/4	NOTE	29	F1	9n	1D	7F						NOTE ON
						1/2/3/4	NOTE	22/24	A#0/C1	9n	16/18	00						NOTE OFF
				Switch to B		1/2/3/4	NOTE	24	C1	9n	18	7F					NOTE ON	
						1/2/3/4	NOTE	22/29	A#0/F1	9n	16/1D	00					NOTE OFF	
	M12	MASTER LEVEL	-														without MIDI-control	
	M13-1 M13-2 M13-3 M13-4	CH LEVEL (*1)	-										Bn	02	hh	Use when INPUT Selector is "PC"		
	M14	HEADPHONES MIX	rotate			7	CC	12 44	-	B6	0C 2C	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F)		
	M15	HEADPHONES VOL	rotate			7	CC	13 45	-	B6	0D 2D	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F)		
	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		
	F3	CROSS F. CURVE	rotate			7	CC	1 33	-	B6	01 21	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max		
	F5 F6 F7 F8	INPUT SELECT	slide	Switch to each one		1/2	NOTE	25	C#1	9n	19	hh					Select INPUT to USB : OFF=0x00 Select INPUT to LINE : ON=0x7F	
				Switch to USB		3/4	NOTE	85	C#6	9n	55	7F						NOTE ON
				Switch to PHONO		3/4	NOTE	86/87	D6/D#6	9n	56/57	0						NOTE OFF
				Switch to LINE		3/4	NOTE	86	D6	9n	56	7F						NOTE ON
			Switch to LINE		3/4	NOTE	85/87	C#6/D#6	9n	55/57	0					NOTE OFF		
					3/4	NOTE	87	D#6	9n	57	7F					NOTE ON		
					3/4	NOTE	85/86	C#6/D6	9n	55/56	0					NOTE OFF		
			Switch to OFF		7	NOTE	106	A#7	96	6A	7F					NOTE ON		
					7	NOTE	107/108	B7/C8	96	6B/6C	00					NOTE OFF		
			Switch to ON		7	NOTE	107	B7	96	6B	7F					NOTE ON		
					7	NOTE	106/108	A#7/C8	96	6A/6C	00					NOTE OFF		
					7	NOTE	108	C8	96	6C	7F					NOTE ON		
			Switch to TALK OVER		7	NOTE	106/107	A#7/B7	96	6A/6B	00					NOTE OFF		

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)	
		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)
								(Dec)	(English scale)							
EFFECT	E1-L	FX1-1	rotate	+SHIFT		5	CC	2	34	-	B4	02	22	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						5	CC	18	50	-	B4	12	32	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E1-R	FX2-1	rotate	+SHIFT		6	CC	2	34	-	B5	02	22	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						6	CC	18	50	-	B5	12	32	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E2-L	FX1-2	rotate	+SHIFT		5	CC	4	36	-	B4	04	24	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						5	CC	20	52	-	B4	14	34	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E2-R	FX2-2	rotate	+SHIFT		6	CC	4	36	-	B5	04	24	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						6	CC	20	52	-	B5	14	34	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E3-L	FX1-3	rotate	+SHIFT		5	CC	6	38	-	B4	06	26	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						5	CC	22	54	-	B4	16	36	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E3-R	FX2-3	rotate	+SHIFT		6	CC	6	38	-	B5	06	26	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max
						6	CC	22	54	-	B5	16	36	MSB	LSB	0x00-0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F
	E4-L	FX1 RELEASE FX	rotate	+SHIFT		5	CC	0	-	-	B4	00	hh	/	/	Difference count value from when previous operated Turn clockwise: 0x01 - 0x1E(max) (1~30clicks/40msec)
						5	CC	16	-	-	B4	10	hh	/	/	Turn counterclockwise: 0x7F - 0x62(max) (1~30clicks/40msec)
			press	+SHIFT		5	NOTE	67	G4	94	43	hh	/	/	OFF=0x00, ON=0x7F	
						5	NOTE	64	E4	94	40	hh	/	/	OFF=0x00, ON=0x7F	
	E4-R	FX2 RELEASE FX	rotate	+SHIFT		6	CC	0	-	-	B5	00	hh	/	/	Difference count value from when previous operated Turn clockwise: 0x01 - 0x1E(max) (1~30clicks/40msec)
						6	CC	16	-	-	B5	10	hh	/	/	Turn counterclockwise: 0x7F - 0x62(max) (1~30clicks/40msec)
			press	+SHIFT		6	NOTE	67	G4	95	43	hh	/	/	OFF=0x00, ON=0x7F	
						6	NOTE	64	E4	95	40	hh	/	/	OFF=0x00, ON=0x7F	
	E5-L	FX1-1 ON	press	+SHIFT		5	NOTE	71	B4	94	47	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E5-R	FX2-1 ON	press	+SHIFT		5	NOTE	99	D#7	94	63	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E6-L	FX1-2 ON	press	+SHIFT		6	NOTE	71	B4	95	47	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E6-R	FX2-2 ON	press	+SHIFT		6	NOTE	99	D#7	95	63	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E7-L	FX1-3 ON	press	+SHIFT		5	NOTE	72	C5	94	48	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E7-R	FX2-3 ON	press	+SHIFT		5	NOTE	101	F7	94	65	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E9-1	FX1 Assign CH1	press	+SHIFT		6	NOTE	73	C#5	95	49	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E9-2	FX1 Assign CH2	press	+SHIFT		6	NOTE	101	F7	94	65	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E9-3	FX1 Assign CH3	press	+SHIFT		7	NOTE	79	G5	96	4F	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E9-4	FX1 Assign CH4	press	+SHIFT		7	NOTE	115	G8	96	73	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E10-1	FX2 Assign CH1	press	+SHIFT		7	NOTE	76	E5	96	4C	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E10-2	FX2 Assign CH2	press	+SHIFT		7	NOTE	112	E8	96	70	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E10-3	FX2 Assign CH3	press	+SHIFT		7	NOTE	77	F5	96	4D	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E10-4	FX2 Assign CH4	press	+SHIFT		7	NOTE	113	F8	96	71	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-1	CFX Parameter CH1	rotate			7	NOTE	78	F#5	96	4E	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-2	CFX Parameter CH2	rotate			7	NOTE	114	F#8	96	72	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-3	CFX Parameter CH3	rotate			7	NOTE	79	G5	96	4F	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-4	CFX Parameter CH4	rotate			7	NOTE	115	G8	96	73	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-5	CFX Parameter SAMPLER	rotate			7	NOTE	80	G#5	96	50	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E11-6	CFX Parameter OSCILLATOR	rotate			7	NOTE	84	C6	96	54	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E12	CFX SPACE	press	+SHIFT		7	NOTE	81	A5	96	51	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E13	CFX JET	press	+SHIFT		7	NOTE	85	C#6	96	55	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E14	CFX PITCH	press	+SHIFT		7	NOTE	82	A#5	96	52	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
	E15	CFX FILTER	press	+SHIFT		7	NOTE	86	D6	96	56	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
						7	NOTE	83	B5	96	53	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
						7	NOTE	87	D#6	96	57	hh	/	/	← Same as MIDI-IN OFF=0x00, ON=0x7F	
						7	NOTE	60	C-1	96	00	hh	/	/	OFF=0x00, ON=0x7F	
						7	NOTE	8	G#-1	96	08	hh	/	/	OFF=0x00, ON=0x7F	
						7	NOTE	1	C#-1	96	01	hh	/	/	OFF=0x00, ON=0x7F	
						7	NOTE	9	A-1	96	09	hh	/	/	OFF=0x00, ON=0x7F	
					7	NOTE	2	D-1	96	02	hh	/	/	OFF=0x00, ON=0x7F		
					7	NOTE	10	A#-1	96	0A	hh	/	/	OFF=0x00, ON=0x7F		
					7	NOTE	3	D#-1	96	03	hh	/	/	OFF=0x00, ON=0x7F		
					7	NOTE	11	B-1	96	0B	hh	/	/	OFF=0x00, ON=0x7F		

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)
		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)	
							(Dec)	(English scale)							
E16-E24-R	E16	OSCILLATOR NOISE	press			7	NOTE	4	E-1	96	04	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				+SHIFT		7	NOTE	12	C0	96	0C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	E17	OSCILLATOR SINE				7	NOTE	5	F-1	96	05	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				+SHIFT		7	NOTE	13	C#0	96	0D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	E18	OSCILLATOR SIREN				7	NOTE	6	F#-1	96	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				+SHIFT		7	NOTE	14	D0	96	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	E19	OSCILLATOR HORN				7	NOTE	7	G-1	96	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT		7	NOTE	15	D#0	96	0F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
	E20	OSCILLATOR Volume	rotate			7	CC	30	-	B6	1E	3E	MSB LSB	Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	E21	OSCILLATOR Parameter	rotate			7	CC	29	-	B6	1D	3D	MSB LSB	Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: Min When turned fully clockwise: Max	
	E22	OSCILLATOR SOURCE SELECT	Slide		Switch to USB A	7	NOTE	90	F#6	96	5A	7F		NOTE ON	
					Switch to PRESET	7	NOTE	91/92	G6/G#6	96	5B/5C	00		NOTE OFF	
					Switch to USB B	7	NOTE	91	G6	96	5B	7F		NOTE ON	
						7	NOTE	90/92	F#6/G#6	96	5A/5C	00		NOTE OFF	
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	press			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	press			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	press			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		

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)
		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)	
							(Dec)	(English scale)							
MULTI FUNCTION	S1-L S1-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	
						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	
						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	
						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.(1-127) OFF=0x00(dimmer)
					+SHIFT	8/9/10/11	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						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	
						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	
						in SLICER 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	
		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.(1-127) OFF=0x00(dimmer)				
	+SHIFT	8/9/10/11	CC	112	-	Bp	70	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F			
			+SHIFT	8/9/10/11	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
HOT CUE PAD FX1 SLICER SAMPLER	S2-L S2-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	
						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	
						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	
						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.(1-127) OFF=0x00(dimmer)
					+SHIFT	8/9/10/11	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
						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	
						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	
						in SLICER 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	
		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.(1-127) OFF=0x00(dimmer)				
	+SHIFT	8/9/10/11	CC	113	-	Bp	71	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F			
			+SHIFT	8/9/10/11	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)	
		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)
								(Dec)	(English scale)							
S3-L S3-R	PERFORMANCE PAD 3	press			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		
					in PAD FX1 mode	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)		
					+SHIFT	8/9/10/11	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
in SLICER 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)							
+SHIFT	8/9/10/11	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	114	-	Bp	72	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	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	8/9/10/11	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)		
					+SHIFT	8/9/10/11	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
in SLICER 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)							
+SHIFT	8/9/10/11	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	115	-	Bp	73	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	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	8/9/10/11	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)		
					+SHIFT	8/9/10/11	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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)		
					+SHIFT	8/9/10/11	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
in SLICER 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	8/9/10/11	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	116	-	Bp	74	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)	
		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)
								(Dec)	(English scale)							
S6-L S6-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	8/9/10/11	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
in SLICER 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	8/9/10/11	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	117	-	Bp	75	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	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	8/9/10/11	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	8/9/10/11	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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	8/9/10/11	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in BEAT JUMP mode	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)		
					+SHIFT	8/9/10/11	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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		
in SLICER 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							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	118	-	Bp	76	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	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	8/9/10/11	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		
					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		
					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		
					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.(1-127) OFF=0x00(dimmer)		
					+SHIFT	8/9/10/11	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					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		
					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		
in SLICER 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							
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.(1-127) OFF=0x00(dimmer)							
+SHIFT	8/9/10/11	CC	119	-	Bp	77	hh	-	-	-	0x00-0x7F When not pressed :0x00 When pressed fully: 0x7F					
+SHIFT	8/9/10/11	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F							

Group	Part No.	User Interface			MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)	
		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)
								(Dec)	(English scale)							
S9-L S9-R S10-L S10-R S11-L S11-R S12-L S12-R S13-L S13-R S14-L S14-R S17 S18 S19 The others	S9-L S9-R	HOT CUE	press		1/2/3/4	NOTE	27	D#1	9n	1B	hh	← Same as MIDI-IN				
			+SHIFT		1/2/3/4	NOTE	105	A7	9n	69	hh	← Same as MIDI-IN				
	S10-L S10-R	PAD FX1	press		1/2/3/4	NOTE	30	F#1	9n	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT		1/2/3/4	NOTE	107	B7	9n	6B	hh	← Same as MIDI-IN	MIDI-OUT: lit in color specified in color number.(1-64)			
	S11-L S11-R	SLICER	press		1/2/3/4	NOTE	32	C#1	9n	20	hh	← Same as MIDI-IN	OFF=0x00(dimmer)			
			+SHIFT		1/2/3/4	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN				
	S12-L S12-R	SAMPLER	press		1/2/3/4	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN				
			+SHIFT		1/2/3/4	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN				
	S13-L S13-R	PARAMETER 1 (LEFT)	press		in HOT CUE mode	1/2/3/4	NOTE	36	C2	9n	24	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	1	C#-1	9n	01	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in PAD FX1 mode	1/2/3/4	NOTE	37	C#2	9n	25	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	2	D-1	9n	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in SLICER mode	1/2/3/4	NOTE	38	D2	9n	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	3	D#-1	9n	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in SAMPLER mode	1/2/3/4	NOTE	39	D#2	9n	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	4	E-1	9n	04	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in BEAT JUMP mode	1/2/3/4	NOTE	40	E2	9n	28	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	5	F-1	9n	05	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in PAD FX2 mode	1/2/3/4	NOTE	41	F2	9n	29	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	6	F#-1	9n	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
	S14-L S14-R	PARAMETER 1 (RIGHT)	press		in SLICER LOOP mode	1/2/3/4	NOTE	42	F#2	9n	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	7	G-1	9n	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in VELOCITY SAMPLER mode	1/2/3/4	NOTE	43	G2	9n	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	8	G#-1	9n	08	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in HOT CUE mode	1/2/3/4	NOTE	44	G#2	9n	2C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	9	A-1	9n	09	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in PAD FX1 mode	1/2/3/4	NOTE	45	A2	9n	2D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	122	D9	9n	7A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in SLICER mode	1/2/3/4	NOTE	46	A#2	9n	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	123	D#9	9n	7B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
					in SAMPLER mode	1/2/3/4	NOTE	47	B2	9n	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
				+SHIFT		1/2/3/4	NOTE	124	E9	9n	7C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
	in BEAT JUMP mode	1/2/3/4	NOTE	48	C3	9n	30	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
+SHIFT		1/2/3/4	NOTE	125	F9	9n	7D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
	in PAD FX2 mode	1/2/3/4	NOTE	49	C#3	9n	31	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
+SHIFT		1/2/3/4	NOTE	126	F#9	9n	7E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
	in SLICER LOOP mode	1/2/3/4	NOTE	50	D3	9n	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
+SHIFT		1/2/3/4	NOTE	127	G9	9n	7F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
	in VELOCITY SAMPLER mode	1/2/3/4	NOTE	51	D#3	9n	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
+SHIFT		1/2/3/4	NOTE	0	C-1	9n	00	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F						
S17	SAMPLER VOLUME	rotate			7	CC	3 35	-	B6	03 23	MSB LSB				Min(MSB:0x00 LSB:0x00)~Max(MSB:0x7F LSB:0x7F) Min at bottom end, Max at top end	
		+SHIFT			7	CC	105	-	B6	69	hh				0x00~0x7F When turned fully counterclockwise: 0x00 When turned fully clockwise: 0x7F	
S18	SYNC	press			7	NOTE	100	E7	96	64	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
		+SHIFT			7	NOTE	109	C#8	96	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
S19	CUE	press			7	NOTE	105	A7	96	69	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
		+SHIFT			7	NOTE	110	D8	96	6E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
The others	FX PANEL	press			7	NOTE	120	C9	96	78	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
		+SHIFT			7	NOTE	121	C#9	96	79	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			

MIDI-OUT

Group	Communication name	Function	MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)
			MIDI Channel (Dec)	NOTE/CC	MIDI Data (Data 1)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
			(Dec)	(English scale)									
illumination Control (C)	Loaded (Deck 1)	Trigger for load illumination	12	NOTE	0	C-1	9B	00	hh	OFF=0x00, ON=0x7F			
	Loaded (Deck 2)		12	NOTE	1	C#-1	9B	01	hh	OFF=0x00, ON=0x7F			
	Loaded (Deck 3)		12	NOTE	2	D-1	9B	02	hh	OFF=0x00, ON=0x7F			
	Loaded (Deck 4)		12	NOTE	3	D#-1	9B	03	hh	OFF=0x00, ON=0x7F			
	Play/Pause (Deck 1)	Control JOG illumination	12	NOTE	12	C0	9B	0C	hh	OFF=0x00, ON=0x7F			
	Play/Pause (Deck 2)		12	NOTE	13	C#0	9B	0D	hh	OFF=0x00, ON=0x7F			
	Play/Pause (Deck 3)		12	NOTE	14	D0	9B	0E	hh	OFF=0x00, ON=0x7F			
	Play/Pause (Deck 4)		12	NOTE	15	D#0	9B	0F	hh	OFF=0x00, ON=0x7F			
	CUE (Deck 1)		12	NOTE	16	E0	9B	10	hh	OFF=0x00, ON=0x7F			
	CUE (Deck 2)		12	NOTE	17	F0	9B	11	hh	OFF=0x00, ON=0x7F			
	CUE (Deck 3)		12	NOTE	18	F#0	9B	12	hh	OFF=0x00, ON=0x7F			
	CUE (Deck 4)		12	NOTE	19	G0	9B	13	hh	OFF=0x00, ON=0x7F			
Other	DJ App. Connect		12	NOTE	9	A-1	9B	09	hh	connected = 0x00~0x7F(any value)			