

DDJ-REV5

List of MIDI Messages



【MIDI channel assignment】

MIDI channel is defined as shown below.

0x9* : Note

0xB* : Control Change (CC)

Channel Category	MIDI Channel	Channel No. (Hex)
DECK 1	1	n=0
DECK 2	2	n=1
DECK 3	3	n=2
DECK 4	4	n=3
FX (CH1/CH3)	5	n=4
FX (CH2/CH4)	6	n=5
BROWSER, Global Section	7	n=6
PERFORMANCE PAD 1-8 (DECK1 without SHIFT)	8	p=7
PERFORMANCE PAD 1-8 (DECK1 with SHIFT)	9	s=8
PERFORMANCE PAD 1-8 (DECK2 without SHIFT)	10	p=9
PERFORMANCE PAD 1-8 (DECK2 with SHIFT)	11	s=A
PERFORMANCE PAD 1-8 (DECK3 without SHIFT)	12	p=B
PERFORMANCE PAD 1-8 (DECK3 with SHIFT)	13	s=C
PERFORMANCE PAD 1-8 (DECK4 without SHIFT)	14	p=D
PERFORMANCE PAD 1-8 (DECK4 with SHIFT)	15	s=E

- 1 As a reference for MIDI assign, MIDI message sent from buttons and knobs of this controller are listed in decimal numbers and English scale. Use this as a reference for your MIDI compatible software.

NOTE is a MIDI term used for pressing and releasing keys on a piano or keyboard.

CC is an abbreviation for control change.

Control change is a type of MIDI signal used to convey various control information such as sound quality and volume.

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)		
								(Dec)	(English scale)								
BROWSE	B1	BROWSE	rotate		-	7	CC	64	-	B6	40	hh	-	-	-	Difference count value from previous operated Turn clockwise : 1 ~ 30 (0x01 ~ 0x1E) Turn counterclockwise : 127 ~ 98 (0x7F ~ 0x62) OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	-	7	CC	100	-	B6	64	hh	-	-	-			
		press		-	7	NOTE	65	F4	96	41	hh	-	-	-	-		
		+SHIFT	-	7	NOTE	66	F#4	96	42	hh	-	-	-	-			
	B2	BACK	press		-	7	NOTE	101	F7	96	65	hh	-	-	-		-
			+SHIFT	-	7	NOTE	102	F#7	96	66	hh	-	-	-	-		
	B3	LOAD	press		Deck1	7	NOTE	70	A#4	96	46	hh	-	-	-		-
				+SHIFT	Deck1	7	NOTE	93	A6	96	5D	hh	-	-	-		-
					Deck2	7	NOTE	71	B4	96	47	hh	-	-	-		-
				+SHIFT	Deck2	7	NOTE	109	C#8	96	6D	hh	-	-	-		-
					Deck3	7	NOTE	72	C5	96	48	hh	-	-	-		-
				+SHIFT	Deck3	7	NOTE	94	A#6	96	5E	hh	-	-	-		-
					Deck4	7	NOTE	73	C#5	96	49	hh	-	-	-		-
				+SHIFT	Deck4	7	NOTE	110	D8	96	6E	hh	-	-	-		-

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)	
DECK	D1	PLAY/PAUSE	press	+SHIFT	-	1/2/3/4	NOTE	11	B-1	9n	0B	hh	9n	0B	hh	OFF=0x00, ON=0x7F
	D2	CUE	press	+SHIFT	-	1/2/3/4	NOTE	27	D#1	9n	1B	hh	9n	1B	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	12	C0	9n	0C	hh	9n	0C	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	28	E1	9n	1C	hh	9n	1C	hh	OFF=0x00, ON=0x7F
	D3	JOG (top)	rotate		Vinyl mode on	1/2/3/4	CC	34	-	Bn	22	hh	-	-	-	Difference count value from previous operated Turn clockwise : Increases from 65 (0x41) Turn counterclockwise : Decreases from 63 (0x3F)
				Vinyl mode off	1/2/3/4	CC	35	-	Bn	23	hh	-	-	-		
			+SHIFT	-	1/2/3/4	CC	31	-	Bn	1F	hh	-	-	-		
			touch		-	1/2/3/4	CC	13	-	9n	0D	hh	-	-	-	OFF=0x00, ON=0x7F
			+SHIFT	-	1/2/3/4	CC	28	-	9n	1C	hh	-	-	-	OFF=0x00, ON=0x7F	
		JOG (side)	rotate		-	1/2/3/4	CC	33	-	Bn	21	hh	-	-	-	Difference count value from previous operated Turn clockwise : Increases from 65 (0x41) Turn counterclockwise : Decreases from 63 (0x3F)
	+SHIFT			-	1/2/3/4	CC	38	-	Bn	26	hh	-	-	-		
		JOG ILLUMINATION		-	1/2/3/4	-	-	-	-	-	-	Bn	1E	hh	hh: 0x00-0x48 '00' means lights off.	
	D4	TEMPO	slide		-	1/2/3/4	CC	0 32	-	Bn	00 20	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F)
	+SHIFT			-	1/2/3/4	CC	5 37	-	Bn	05 25	MSB LSB	-	-	-	"-" side : Min (MSB 0x00 LSB 0x00) "+" side : Max (MSB 0x7F LSB 0x7F)	
	D5	TEMPO RANGE	press	+SHIFT	-	1/2/3/4	NOTE	8	G#-1	9n	08	hh	-	-	-	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	24	C1	9n	18	hh	-	-	-	OFF=0x00, ON=0x7F
	D6	KEY LOCK	press	+SHIFT	-	1/2/3/4	NOTE	9	A-1	9n	09	hh	9n	09	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	25	C#1	9n	19	hh	9n	19	hh	OFF=0x00, ON=0x7F
	D7	SYNC	press	+SHIFT	-	1/2/3/4	NOTE	10	A#-1	9n	0A	hh	9n	0A	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	26	D1	9n	1A	hh	9n	1A	hh	OFF=0x00, ON=0x7F
	D8	BPM TRANSITION BAR	Indicate		-	-	-	-	-	-	-	-	9n	30	hh	OFF=0x00, ON=0x7F
	D9	BPM TRANSITION SELECT	press	+SHIFT	-	7	NOTE	62	D4	96	3E	hh	-	-	-	OFF=0x00, ON=0x7F
					-	7	NOTE	48	C3	96	30	hh	-	-	-	OFF=0x00, ON=0x7F
	D10	BPM TRANSITION START	press	+SHIFT	-	1/2/3/4	NOTE	49	C#3	9n	31	hh	9n	31	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	51	D#3	9n	33	hh	9n	33	hh	OFF=0x00, ON=0x7F
	D11	AUTO LOOP	press		Clear the check box in [LOOP options.] to work as the Auto Beat Loop button.	1/2/3/4	NOTE	4	E-1	9n	04	hh	9n	04	hh	OFF=0x00, ON=0x7F
				Mark the check box in [LOOP options.] to activate the loop length set by the slider.	1/2/3/4	NOTE	5	F-1	9n	05	hh	9n	04	hh	OFF=0x00, ON=0x7F	
	+SHIFT			-	1/2/3/4	NOTE	20	G#0	9n	14	hh	9n	14	hh	OFF=0x00, ON=0x7F	
	D12	LOOP 1/2X	press	+SHIFT	-	1/2/3/4	NOTE	1	C#-1	9n	01	hh	9n	01	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	16	E0	9n	10	hh	9n	10	hh	OFF=0x00, ON=0x7F
	D13	LOOP 2X	press	+SHIFT	-	1/2/3/4	NOTE	3	D#-1	9n	03	hh	9n	03	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	18	F#0	9n	12	hh	9n	12	hh	OFF=0x00, ON=0x7F
	D14	SLIP	press	+SHIFT	-	1/2/3/4	NOTE	40	E2	9n	28	hh	9n	28	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	56	G#3	9n	38	hh	9n	38	hh	OFF=0x00, ON=0x7F
	D15	CENSOR	press	+SHIFT	-	1/2/3/4	NOTE	41	F2	9n	29	hh	9n	29	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	57	A3	9n	39	hh	9n	39	hh	OFF=0x00, ON=0x7F
	D16	KEY -	press	+SHIFT	-	1/2/3/4	NOTE	42	F#2	9n	2A	hh	9n	2A	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	58	A#3	9n	3A	hh	9n	3A	hh	OFF=0x00, ON=0x7F
	D17	KEY +	press	+SHIFT	-	1/2/3/4	NOTE	43	G2	9n	2B	hh	9n	2B	hh	OFF=0x00, ON=0x7F
					-	1/2/3/4	NOTE	59	B3	9n	3B	hh	9n	3B	hh	OFF=0x00, ON=0x7F
D18	STEMS	press	+SHIFT	-	1/2/3/4	NOTE	37	C#2	9n	25	hh	-	-	-	OFF=0x00, ON=0x7F	
			+SHIFT	-	1/2/3/4	NOTE	53	F3	9n	35	hh	-	-	-	OFF=0x00, ON=0x7F	
			+VOCAL	Deck1	7	NOTE	32	G#1	96	20	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck2	7	NOTE	33	A1	96	21	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck3	7	NOTE	34	A#1	96	22	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck4	7	NOTE	35	B1	96	23	hh	-	-	-	OFF=0x00, ON=0x7F	
			+MELODY	Deck1	7	NOTE	36	C2	96	24	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck2	7	NOTE	37	C#2	96	25	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck3	7	NOTE	38	D2	96	26	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck4	7	NOTE	39	D#2	96	27	hh	-	-	-	OFF=0x00, ON=0x7F	
			+BASS	Deck1	7	NOTE	40	E2	96	28	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck2	7	NOTE	41	F2	96	29	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck3	7	NOTE	42	F#2	96	2A	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck4	7	NOTE	43	G2	96	2B	hh	-	-	-	OFF=0x00, ON=0x7F	
			+DRUMS	Deck1	7	NOTE	44	G#2	96	2C	hh	-	-	-	OFF=0x00, ON=0x7F	
				Deck2	7	NOTE	45	A2	96	2D	hh	-	-	-	OFF=0x00, ON=0x7F	
	Deck3	7		NOTE	46	A#2	96	2E	hh	-	-	-	OFF=0x00, ON=0x7F			
	Deck4	7		NOTE	47	B2	96	2F	hh	-	-	-	OFF=0x00, ON=0x7F			
D19	STEMS SOLO	Indicate		-	-	-	-	-	-	-	9n	34	hh	OFF=0x00, ON=0x7F		
D20	VOCAL / PAD 1	press	+SHIFT	HOT CUE MODE	8/10/12/14	NOTE	72	C5	9p	48	hh	9p	48	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SAVED LOOP MODE	9/11/13/15	NOTE	72	C5	9s	48	hh	9s	48	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	SCRATCH BANK MODE	8/10/12/14	NOTE	88	E6	9p	58	hh	9p	58	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SCRATCH BANK MODE	9/11/13/15	NOTE	88	E6	9s	58	hh	9s	58	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	SAMPLER MODE	8/10/12/14	NOTE	104	G#7	9p	68	hh	9p	68	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SAMPLER MODE	9/11/13/15	NOTE	104	G#7	9s	68	hh	9s	68	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	STEMS MODE	8/10/12/14	NOTE	120	C9	9p	78	hh	9p	78	hh	OFF=0x00, ON=0x7F	
			+SHIFT	STEMS MODE	9/11/13/15	NOTE	120	C9	9s	78	hh	9s	78	hh	OFF=0x00, ON=0x7F	
		press		STEMS MODE	1/2/3/4	NOTE	44	G#2	9n	2C	hh	9n	2C	hh	OFF=0x00, ON=0x7F	
D21	MELODY / PAD 2	press	+SHIFT	HOT CUE MODE	8/10/12/14	NOTE	73	C#5	9p	49	hh	9p	49	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SAVED LOOP MODE	9/11/13/15	NOTE	73	C#5	9s	49	hh	9s	49	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	SAVED LOOP MODE	8/10/12/14	NOTE	89	F6	9p	59	hh	9p	59	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SAVED LOOP MODE	9/11/13/15	NOTE	89	F6	9s	59	hh	9s	59	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	SCRATCH BANK MODE	8/10/12/14	NOTE	105	A7	9p	69	hh	9p	69	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SCRATCH BANK MODE	9/11/13/15	NOTE	105	A7	9s	69	hh	9s	69	hh	OFF=0x00, ON=0x7F	
		press	+SHIFT	SAMPLER MODE	8/10/12/14	NOTE	121	C#9	9p	79	hh	9p	79	hh	OFF=0x00, ON=0x7F	
			+SHIFT	SAMPLER MODE	9/11/13/15	NOTE	121	C#9	9s	79	hh	9s	79	hh	OFF=0x00, ON=0x7F	
		press		STEMS MODE	1/2/3/4	NOTE	45	A2	9n	2D	hh	9n	2D	hh	OFF=0x00, ON=0x7F	
D22	BASS / PAD 3	press	+SHIFT	HOT CUE MODE	8/10/12/14	NOTE	74	D5	4A	hh	9p	4A	hh	OFF=0x00, ON=0x7F		
			+SHIFT	HOT CUE MODE	9/11/13/15	NOTE	74	D5	4A	hh	9s	4A	hh	OFF=0x00, ON=0x7F		
		press	+SHIFT	SAVED LOOP MODE	8/10/12/14	NOTE	90	F#6	5A	hh	9p	5A	hh	OFF=0x00, ON=0x7F		
			+SHIFT	SAVED LOOP MODE	9/11/13/15	NOTE	90	F#6	5A	hh	9s	5A	hh	OFF=0x00, ON=0x7F		
		press	+SHIFT	SCRATCH BANK MODE	8/10/12/14	NOTE	106	A#7	6A	hh	9p	6A	hh	OFF=0x00, ON=0x7F		
			+SHIFT	SCRATCH BANK MODE	9/11/13/15	NOTE	106	A#7	6A	hh	9s	6A	hh	OFF=0x00, ON=0x7F		
		press	+SHIFT	SAMPLER MODE	8/10/12/14	NOTE	122	D9	7A	hh	9p	7A	hh	OFF=0x00, ON=0x7F		
			+SHIFT	SAMPLER MODE	9/11/13/15	NOTE	122	D9	7A	hh	9s	7A	hh	OFF=0x00, ON=0x7F		
		press		STEMS MODE	1/2/3/4	NOTE	46	A#2	9n	2E	hh	9n	2E	hh	OFF=0x00, ON=0x7F	

Group	Fig.	User Interface				MIDI assign reference 1				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)				
								(Dec)	(English scale)										
DECK	D23	DRUMS / PAD 4	press	+SHIFT	HOT CUE MODE	8/10/12/14	NOTE	75	D#5	9p	4B	hh	9p	4B	hh	OFF=0x00, ON=0x7F			
					9/11/13/15	NOTE	75	D#5	9s	4B	hh	9s	4B	hh	OFF=0x00, ON=0x7F				
			press	+SHIFT	SAVED LOOP MODE	8/10/12/14	NOTE	91	G6	9p	5B	hh	9p	5B	hh	OFF=0x00, ON=0x7F			
					9/11/13/15	NOTE	91	G6	9s	5B	hh	9s	5B	hh	OFF=0x00, ON=0x7F				
			press	+SHIFT	SCRATCH BANK MODE	8/10/12/14	NOTE	107	B7	9p	6B	hh	9p	6B	hh	OFF=0x00, ON=0x7F			
					9/11/13/15	NOTE	107	B7	9s	6B	hh	9s	6B	hh	OFF=0x00, ON=0x7F				
	press	+SHIFT	SAMPLER MODE	8/10/12/14	NOTE	123	D#9	9p	7B	hh	9p	7B	hh	OFF=0x00, ON=0x7F					
			9/11/13/15	NOTE	123	D#9	9s	7B	hh	9s	7B	hh	OFF=0x00, ON=0x7F						
	press		STEMS MODE	1/2/3/4	NOTE	47		B2	9n	2F	hh	9n	2F	hh	OFF=0x00, ON=0x7F				
	D24	HOT CUE	press	+SHIFT	-	1/2/3/4	NOTE	38	D2	9n	26	hh	-	-	-	OFF=0x00, ON=0x7F			
	D25	SCRATCH BANK	press	+SHIFT	-	1/2/3/4	NOTE	54	F#3	9n	36	hh	-	-	-	OFF=0x00, ON=0x7F			
						1/2/3/4	NOTE	39	D#2	9n	27	hh	-	-	-	OFF=0x00, ON=0x7F			
						1/2/3/4	NOTE	55	G3	9n	37	hh	-	-	-	OFF=0x00, ON=0x7F			
	D26	DECK1/3	press		Switch from Deck3 to Deck1	3	NOTE	6	F#-1	92	06	hh	-	-	-	OFF=0x00, ON=0x7F			
						1	NOTE	62	D4	90	3E	7F	-	-	-	Deck1 on			
						3	NOTE	62	D4	92	3E	00	-	-	-	Deck3 off			
						3	NOTE	6	F#-1	92	06	hh	-	-	-	OFF=0x00, ON=0x7F			
						1	NOTE	62	D4	90	3E	00	-	-	-	Deck1 off			
					Switch from Deck1 to Deck3	3	NOTE	62	D4	92	3E	7F	-	-	-	Deck3 on			
						7	NOTE	124	E9	96	7C	hh	-	-	-	OFF=0x00, ON=0x7F			
						4	NOTE	6	F#-1	93	06	hh	-	-	-	OFF=0x00, ON=0x7F			
						2	NOTE	62	D4	91	3E	7F	-	-	-	Deck2 on			
						4	NOTE	62	D4	93	3E	00	-	-	-	Deck4 off			
		DECK2/4	press	Switch from Deck4 to Deck2	4	NOTE	6	F#-1	93	06	hh	-	-	-	OFF=0x00, ON=0x7F				
					2	NOTE	62	D4	91	3E	7F	-	-	-	Deck2 on				
					4	NOTE	62	D4	93	3E	00	-	-	-	Deck4 off				
4					NOTE	6	F#-1	93	06	hh	-	-	-	OFF=0x00, ON=0x7F					
Switch from Deck2 to Deck4				2	NOTE	62	D4	91	3E	00	-	-	-	Deck2 off					
				4	NOTE	62	D4	93	3E	7F	-	-	-	Deck4 on					
				7	NOTE	125	F9	96	7D	hh	-	-	-	OFF=0x00, ON=0x7F					
MIXER	M1	INPUT SELECT	slide		Set to the USB A terminal	1/2/3/4	NOTE	14	D0	9n	0E	7F	-	-	-	OFF=0x00, ON=0x7F			
					1/2/3/4	NOTE	15	D#0	9n	0F	00	-	-	-	OFF=0x00, ON=0x7F				
					Set to the USB B terminal	1/2/3/4	NOTE	14	D0	9n	0E	00	-	-	-	OFF=0x00, ON=0x7F			
					1/2/3/4	NOTE	15	D#0	9n	0F	7F	-	-	-	OFF=0x00, ON=0x7F				
	M2	TRIM	rotate		-	1/2/3/4	CC	04 36	-	8n	04 24	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M3	FILTER	rotate		CH 1	7	CC	23 55	-	B6	17 37	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
					CH 2	7	CC	24 56	-	B6	18 38	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
					CH 3	7	CC	24 56	-	B6	19 39	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
					CH 4	7	CC	24 56	-	B6	1A 3A	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M4	EQ HI	rotate		-	1/2/3/4	CC	7 39	-	8n	07 27	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M5	EQ MID	rotate		-	1/2/3/4	CC	11 43	-	8n	0B 2B	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M6	EQ LOW	rotate		-	1/2/3/4	CC	15 47	-	8n	0F 2F	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M7	MASTER LEVEL	rotate		-	7	CC	8 40	-	B6	08 28	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M8	BOOTH LEVEL	rotate		-	7	CC	9 41	-	B6	09 29	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M9	SAMPLER LEVEL	rotate		-	7	CC	3 35	-	B6	03 23	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side			
	M10	CHANNEL LEVEL METER	Indicate		-	-	-	-	-	-	-	-	Bn	02	hh	OFF=0x00, ON=0x7F			
	M11	HEADPHONES CUE CH1/CH3	press	+SHIFT	Deck1	1	NOTE	7	G-1	90	07	hh	90	07	hh	OFF=0x00, ON=0x7F			
						31		G1	90	1F	hh	90	1F	hh	hh	OFF=0x00, ON=0x7F			
					Deck3	3	NOTE	7	G-1	92	07	hh	92	07	hh	OFF=0x00, ON=0x7F			
						31		G1	92	1F	hh	92	1F	hh	hh	OFF=0x00, ON=0x7F			
	M12	HEADPHONES CUE CH2/CH4	press	+SHIFT	Deck2	2	NOTE	7	G-1	91	07	hh	91	07	hh	OFF=0x00, ON=0x7F			
						31		G1	91	1F	hh	91	1F	hh	hh	OFF=0x00, ON=0x7F			
						7		G-1	93	07	hh	93	07	hh	OFF=0x00, ON=0x7F				
						31		G1	93	1F	hh	93	1F	hh	hh	OFF=0x00, ON=0x7F			
	M13	CH FADER	slide		-	1/2/3/4	CC	19 51	-	8n	13 33	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at bottom end, Max at top end			
					CH FADER (Fader Start)	slide	+SHIFT	Sync ON	1/2/3/4	NOTE	30	F#1	9n	1E	hh	-	-	-	OFF=0x00, ON=0x7F
								CUE	1/2/3/4	NOTE	21	A0	9n	15	hh	-	-	-	OFF=0x00, ON=0x7F
HOT CUE	1/2/3/4	NOTE	22	A#0				9n	16	hh	-	-	-	OFF=0x00, ON=0x7F					
	Fader stop	1/2/3/4	NOTE	23	B0	9n	17	hh	-	-	-	OFF=0x00, ON=0x7F							

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)						
MIXER	M14	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					
		CROSSFADER (Fader Start)	slide	+SHIFT	Deck2: Sync ON	2	NOTE	30	F#1	91	1E	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck2: CUE	2	NOTE	21	A0	91	15	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck2: HOT CUE	2	NOTE	22	A#0	91	16	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck2: Fader stop	2	NOTE	23	B0	91	17	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck1: Sync ON	1	NOTE	30	F#1	90	1E	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck1: CUE	1	NOTE	21	A0	90	15	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck1: HOT CUE	1	NOTE	22	A#0	90	16	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck1: Fader stop	1	NOTE	23	B0	90	17	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck4: Sync ON	4	NOTE	30	F#1	93	1E	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck4: CUE	4	NOTE	21	A0	93	15	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck4: HOT CUE	4	NOTE	22	A#0	93	16	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck4: Fader stop	4	NOTE	23	B0	93	17	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck3: Sync ON	3	NOTE	30	F#1	92	1E	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck3: CUE	3	NOTE	21	A0	92	15	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck3: HOT CUE	3	NOTE	22	A#0	92	16	hh	-	-	-	OFF=0x00, ON=0x7F					
					Deck3: Fader stop	3	NOTE	23	B0	92	17	hh	-	-	-	OFF=0x00, ON=0x7F					
	M15	MIC OFF/ON/TALKOVER	slide		OFF	7	NOTE	106 107 108	A#7 B7 C8	96 96 96	6A 6B 6A/6C	7F 00 00	- - -	- - -	- - -	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F					
					ON	7	NOTE	106/108	A#7/C8	96	6A/6C	00	-	-	-	OFF=0x00, ON=0x7F					
					TALKOVER	7	NOTE	108 107	C8 B7	96 96	6C 6B	7F 00	- -	- -	- -	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F					
						M16	MIC 1 LEVEL	rotate		-	7	CC	05 37	-	B6	05 25	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
						M17	MIC 2 LEVEL	rotate		-	7	CC	06 38	-	B6	06 26	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
	M18	MIC EQ LOW	rotate		-	7	CC	15 47	-	B6	0F 2F	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side					
	M19	MIC EQ HI	rotate		-	7	CC	14 46	-	B6	0E 2E	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side					
	M20	CROSSFADER REVERSE	slide		-	7	NOTE	84	C6	96	54	hh	-	-	-	OFF=0x00, ON=0x7F					
	M21	CROSSFADER CURVE	rotate		-	7	CC	11 43	-	B6	0B 2B	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side					
	M22	HEADPHONES LEVEL	rotate		-	7	CC	13 45	-	B6	0D 2D	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side					
	M23	HEADPHONES MIX	rotate		-	7	CC	12 44	-	B6	0C 2C	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side					
	M24	AUX LINE/PORTABLE SW	slide		OFF	7	NOTE	97 98 98	C#7 D7 D7	96 96 96	61 62 62	7F 00 7F	- - -	- - -	- - -	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F					
LINE					7	NOTE	97/99 99	C#7/D#7 D#7	96 96	61/63 63	00 7F	- -	- -	- -	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F						
PORTABLE					7	NOTE	98 98	D7 D7	96 96	62 00	- -	- -	- -	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F							
					M25	AUX LEVEL	rotate		-	7	CC	12 44	-	B6	07 27	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side	
EFFECT	E1	FX1-1	press		-	5	NOTE	112	E8	94	70	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	48	C3	96	30	hh	96	30	hh	OFF=0x00, ON=0x7F					
	E2	FX1-2	press		-	5	NOTE	113	F8	94	71	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	49	C#3	96	31	hh	96	31	hh	OFF=0x00, ON=0x7F					
	E3	FX1-3	press		-	5	NOTE	114	F#8	94	72	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	50	D3	96	32	hh	96	32	hh	OFF=0x00, ON=0x7F					
	E4	FX2-1	press		-	6	NOTE	112	E8	95	70	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	51	D#3	96	33	hh	96	33	hh	OFF=0x00, ON=0x7F					
	E5	FX2-2	press		-	6	NOTE	113	F8	95	71	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	52	E3	96	34	hh	96	34	hh	OFF=0x00, ON=0x7F					
	E6	FX2-3	press		-	6	NOTE	114	F#8	95	72	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	-	7	NOTE	53	F3	96	35	hh	96	35	hh	OFF=0x00, ON=0x7F					
	E7	BEAT ◀	press		FX1-1/2/3 selected	5	NOTE	6	F#-1	94	06	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX2-1/2/3 selected	6	NOTE	6	F#-1	95	06	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	AUTO	7	NOTE	54	F#3	96	36	hh	-	-	-	OFF=0x00, ON=0x7F					
	E8	BEAT ▶	press		FX1-1/2/3 selected	5	NOTE	7	G-1	94	07	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX2-1/2/3 selected	6	NOTE	7	G-1	95	07	hh	-	-	-	OFF=0x00, ON=0x7F					
				+SHIFT	TAP	7	NOTE	55	G3	96	37	hh	-	-	-	OFF=0x00, ON=0x7F					
	E9	CH1 EFFECT LEVER	press		CH1	5	NOTE	80	G#5	94	50	hh	-	-	-	OFF=0x00, ON=0x7F					
					CH3	5	NOTE	81	A5	94	51	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX1-1 selected	5	NOTE	71	B4	94	47	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX1-2 selected	5	NOTE	72	C5	94	48	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX1-3 selected	5	NOTE	73	C#5	94	49	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX2-1 selected	6	NOTE	71	B4	95	47	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX2-2 selected	6	NOTE	72	C5	95	48	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX2-3 selected	6	NOTE	73	C#5	95	49	hh	-	-	-	OFF=0x00, ON=0x7F					
	E10	CH2 EFFECT LEVER	press		CH2	6	NOTE	80	G#5	95	50	hh	-	-	-	OFF=0x00, ON=0x7F					
					CH4	6	NOTE	81	A5	95	51	hh	-	-	-	OFF=0x00, ON=0x7F					
					FX1-1 selected	5	NOTE	71	B4	94	47	hh	-	-	-	OFF=0x00, ON=0x7F					
				FX1-2 selected	5	NOTE	72	C5	94	48	hh	-	-	-	OFF=0x00, ON=0x7F						
				FX1-3 selected	5	NOTE	73	C#5	94	49	hh	-	-	-	OFF=0x00, ON=0x7F						
				FX2-1 selected	6	NOTE	71	B4	95	47	hh	-	-	-	OFF=0x00, ON=0x7F						
				FX2-2 selected	6	NOTE	72	C5	95	48	hh	-	-	-	OFF=0x00, ON=0x7F						
				FX2-3 selected	6	NOTE	73	C#5	95	49	hh	-	-	-	OFF=0x00, ON=0x7F						

Group	Fig.	User Interface				MIDI assign reference 1				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)	
								(Dec)	(English scale)							
EFFECT	E11	LEVEL/DEPTH			FX1-1 selected	5	CC	2 34	-	B4	02 22	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
					FX1-2 selected	5	CC	4 36	-	B4	04 24	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
					FX1-3 selected	5	CC	6 38	-	B4	06 26	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
					FX2-1 selected	6	CC	2 34	-	B5	02 22	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
					FX2-2 selected	6	CC	4 36	-	B5	04 24	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
					FX2-3 selected	6	CC	6 38	-	B5	06 26	MSB LSB	-	-	-	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
	M12	SHIFT	press	-	7	NOTE	63	D#4	96	3F	hh	-	-	-	-	
PERFORMANCE PADS	P1	HOT CUE MODE	press		HOT CUE MODE	1/2/3/4	NOTE	64	E4	9n	40	hh	9n	40	hh	OFF=0x00, ON=0x7F
				+SHIFT press twice	PITCH PLAY MODE	1/2/3/4	NOTE	80	G#5	9n	50	hh	9n	50	hh	OFF=0x00, ON=0x7F
					USER MODE	1/2/3/4	NOTE	68	G#4	9n	44	hh	9n	44	hh	OFF=0x00, ON=0x7F
	P2	ROLL MODE	press		ROLL MODE	1/2/3/4	NOTE	65	F4	9n	41	hh	9n	41	hh	OFF=0x00, ON=0x7F
				+SHIFT press twice	PIANO PLAY MODE	1/2/3/4	NOTE	81	A5	9n	51	hh	9n	51	hh	OFF=0x00, ON=0x7F
					USER MODE	1/2/3/4	NOTE	69	A4	9n	45	hh	9n	45	hh	OFF=0x00, ON=0x7F
	P3	SAVED LOOP MODE	press		SAVED LOOP MODE	1/2/3/4	NOTE	66	F#4	9n	42	hh	9n	42	hh	OFF=0x00, ON=0x7F
				+SHIFT press twice	STEMS MODE	1/2/3/4	NOTE	82	A#5	9n	52	hh	9n	52	hh	OFF=0x00, ON=0x7F
					USER MODE	1/2/3/4	NOTE	70	A#4	9n	46	hh	9n	46	hh	OFF=0x00, ON=0x7F
	P4	SAMPLER MODE	press		SAMPLER MODE	1/2/3/4	NOTE	67	G4	9n	43	hh	9n	43	hh	OFF=0x00, ON=0x7F
				+SHIFT press twice	SCRATCH BANK MODE	1/2/3/4	NOTE	83	B5	9n	53	hh	9n	53	hh	OFF=0x00, ON=0x7F
					USER MODE	1/2/3/4	NOTE	71	B4	9n	47	hh	9n	47	hh	OFF=0x00, ON=0x7F
	P5	PERFORMANCE PAD 1	press			8/10/12/14	NOTE	0	C-1	9p	00	hh	9p	00	hh	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
					+SHIFT	9/11/13/15	NOTE	0	C-1	9s	00	hh	9s	00	hh	
							8/10/12/14	NOTE	16	E0	9p	10	hh	9p	10	hh
					+SHIFT	9/11/13/15	NOTE	16	E0	9s	10	hh	9s	10	hh	
							8/10/12/14	NOTE	32	G#1	9p	20	hh	9p	20	hh
					+SHIFT	9/11/13/15	NOTE	32	G#1	9s	20	hh	9s	20	hh	
							8/10/12/14	NOTE	48	C3	9p	30	hh	9p	30	hh
					+SHIFT	9/11/13/15	NOTE	48	C3	9s	30	hh	9s	30	hh	
							8/10/12/14	NOTE	64	E4	9p	40	hh	9p	40	hh
					+SHIFT	9/11/13/15	NOTE	64	E4	9s	40	hh	9s	40	hh	
							8/10/12/14	NOTE	80	G#5	9p	50	hh	9p	50	hh
					+SHIFT	9/11/13/15	NOTE	80	G#5	9s	50	hh	9s	50	hh	
							8/10/12/14	NOTE	96	C7	9p	60	hh	9p	60	hh
					+SHIFT	9/11/13/15	NOTE	96	C7	9s	60	hh	9s	60	hh	
							8/10/12/14	NOTE	112	E8	9p	70	hh	9p	70	hh
					+SHIFT	9/11/13/15	NOTE	112	E8	9s	70	hh	9s	70	hh	
							8/10/12/14	NOTE	8	G#-1	9p	08	hh	9p	08	hh
					+SHIFT	9/11/13/15	NOTE	8	G#-1	9s	08	hh	9s	08	hh	
							8/10/12/14	NOTE	24	C1	9p	18	hh	9p	18	hh
					+SHIFT	9/11/13/15	NOTE	24	C1	9s	18	hh	9s	18	hh	
							8/10/12/14	NOTE	40	E2	9p	28	hh	9p	28	hh
					+SHIFT	9/11/13/15	NOTE	40	E2	9s	28	hh	9s	28	hh	
							8/10/12/14	NOTE	56	G#3	9p	38	hh	9p	38	hh
					+SHIFT	9/11/13/15	NOTE	56	G#3	9s	38	hh	9s	38	hh	

Group	Fig.	User Interface				MIDI assign reference 1				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)		
								(Dec)	(English scale)								
PERFORMANCE PADS	P5	PERFORMANCE PAD 2	press		HOT CUE MODE	8/10/12/14	NOTE	1	C#-1	9p	01	hh	9p	01	hh	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)	
				+SHIFT		9/11/13/15	NOTE	1	C#-1	9s	01	hh	9s	01	hh		
					ROLL MODE	8/10/12/14	NOTE	17	F0	9p	11	hh	9p	11	hh		
				+SHIFT		9/11/13/15	NOTE	17	F0	9s	11	hh	9s	11	hh		
					SAVED LOOP MODE	8/10/12/14	NOTE	33	A1	9p	21	hh	9p	21	hh		
				+SHIFT		9/11/13/15	NOTE	33	A1	9s	21	hh	9s	21	hh		
					SAMPLER MODE	8/10/12/14	NOTE	49	C#3	9p	31	hh	9p	31	hh		
				+SHIFT		9/11/13/15	NOTE	49	C#3	9s	31	hh	9s	31	hh		
					PITCH PLAY MODE	8/10/12/14	NOTE	65	F4	9p	41	hh	9p	41	hh		
				+SHIFT		9/11/13/15	NOTE	65	F4	9s	41	hh	9s	41	hh		
					PIANO PLAY MODE	8/10/12/14	NOTE	81	A5	9p	51	hh	9p	51	hh		
				+SHIFT		9/11/13/15	NOTE	81	A5	9s	51	hh	9s	51	hh		
					STEMS MODE	8/10/12/14	NOTE	97	C#7	9p	61	hh	9p	61	hh		
				+SHIFT		9/11/13/15	NOTE	97	C#7	9s	61	hh	9s	61	hh		
					SCRATCH BANK MODE	8/10/12/14	NOTE	113	F8	9p	71	hh	9p	71	hh		
				+SHIFT		9/11/13/15	NOTE	113	F8	9s	71	hh	9s	71	hh		
					USER MODE	8/10/12/14	NOTE	9	A-1	9p	09	hh	9p	09	hh		
				+SHIFT		9/11/13/15	NOTE	9	A-1	9s	09	hh	9s	09	hh		
					USER MODE	8/10/12/14	NOTE	25	C#1	9p	19	hh	9p	19	hh		
				+SHIFT		9/11/13/15	NOTE	25	C#1	9s	19	hh	9s	19	hh		
					USER MODE	8/10/12/14	NOTE	41	F2	9p	29	hh	9p	29	hh		
				+SHIFT		9/11/13/15	NOTE	41	F2	9s	29	hh	9s	29	hh		
					USER MODE	8/10/12/14	NOTE	57	A3	9p	39	hh	9p	39	hh		
				+SHIFT		9/11/13/15	NOTE	57	A3	9s	39	hh	9s	39	hh		
	P5	PERFORMANCE PAD 3	press		HOT CUE MODE	8/10/12/14	NOTE	2	D-1	9p	02	hh	9p	02	hh		OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
				+SHIFT		9/11/13/15	NOTE	2	D-1	9s	02	hh	9s	02	hh		
					ROLL MODE	8/10/12/14	NOTE	18	F#0	9p	12	hh	9p	12	hh		
				+SHIFT		9/11/13/15	NOTE	18	F#0	9s	12	hh	9s	12	hh		
					SAVED LOOP MODE	8/10/12/14	NOTE	34	A#1	9p	22	hh	9p	22	hh		
				+SHIFT		9/11/13/15	NOTE	34	A#1	9s	22	hh	9s	22	hh		
					SAMPLER MODE	8/10/12/14	NOTE	50	D3	9p	32	hh	9p	32	hh		
				+SHIFT		9/11/13/15	NOTE	50	D3	9s	32	hh	9s	32	hh		
					PITCH PLAY MODE	8/10/12/14	NOTE	66	F#4	9p	42	hh	9p	42	hh		
				+SHIFT		9/11/13/15	NOTE	66	F#4	9s	42	hh	9s	42	hh		
					PIANO PLAY MODE	8/10/12/14	NOTE	82	A#5	9p	52	hh	9p	52	hh		
				+SHIFT		9/11/13/15	NOTE	82	A#5	9s	52	hh	9s	52	hh		
					STEMS MODE	8/10/12/14	NOTE	98	D7	9p	62	hh	9p	62	hh		
				+SHIFT		9/11/13/15	NOTE	98	D7	9s	62	hh	9s	62	hh		
					SCRATCH BANK MODE	8/10/12/14	NOTE	114	F#8	9p	72	hh	9p	72	hh		
				+SHIFT		9/11/13/15	NOTE	114	F#8	9s	72	hh	9s	72	hh		
					USER MODE	8/10/12/14	NOTE	10	A#-1	9p	0A	hh	9p	0A	hh		
				+SHIFT		9/11/13/15	NOTE	10	A#-1	9s	0A	hh	9s	0A	hh		
					USER MODE	8/10/12/14	NOTE	26	D1	9p	1A	hh	9p	1A	hh		
				+SHIFT		9/11/13/15	NOTE	26	D1	9s	1A	hh	9s	1A	hh		
					USER MODE	8/10/12/14	NOTE	42	F#2	9p	2A	hh	9p	2A	hh		
				+SHIFT		9/11/13/15	NOTE	42	F#2	9s	2A	hh	9s	2A	hh		
					USER MODE	8/10/12/14	NOTE	58	A#3	9p	3A	hh	9p	3A	hh		
				+SHIFT		9/11/13/15	NOTE	58	A#3	9s	3A	hh	9s	3A	hh		

Group	Fig.	User Interface				MIDI assign reference 1				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)		
								(Dec)	(English scale)								
PERFORMANCE PADS	P5	PERFORMANCE PAD 4	press		HOT CUE MODE	8/10/12/14	NOTE	3	D#-1	9p	03	hh	9p	03	hh	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)	
				+SHIFT		9/11/13/15	NOTE	3	D#-1	9s	03	hh	9s	03	hh		
					ROLL MODE	8/10/12/14	NOTE	19	G0	9p	13	hh	9p	13	hh		
				+SHIFT		9/11/13/15	NOTE	19	G0	9s	13	hh	9s	13	hh		
					SAVED LOOP MODE	8/10/12/14	NOTE	35	B1	9p	23	hh	9p	23	hh		
				+SHIFT		9/11/13/15	NOTE	35	B1	9s	23	hh	9s	23	hh		
					SAMPLER MODE	8/10/12/14	NOTE	51	D#3	9p	33	hh	9p	33	hh		
				+SHIFT		9/11/13/15	NOTE	51	D#3	9s	33	hh	9s	33	hh		
					PITCH PLAY MODE	8/10/12/14	NOTE	67	G4	9p	43	hh	9p	43	hh		
				+SHIFT		9/11/13/15	NOTE	67	G4	9s	43	hh	9s	43	hh		
					PIANO PLAY MODE	8/10/12/14	NOTE	83	B5	9p	53	hh	9p	53	hh		
				+SHIFT		9/11/13/15	NOTE	83	B5	9s	53	hh	9s	53	hh		
					STEMS MODE	8/10/12/14	NOTE	99	D#7	9p	63	hh	9p	63	hh		
				+SHIFT		9/11/13/15	NOTE	99	D#7	9s	63	hh	9s	63	hh		
					SCRATCH BANK MODE	8/10/12/14	NOTE	115	G8	9p	73	hh	9p	73	hh		
				+SHIFT		9/11/13/15	NOTE	115	G8	9s	73	hh	9s	73	hh		
					USER MODE	8/10/12/14	NOTE	11	B-1	9p	0B	hh	9p	0B	hh		
				+SHIFT		9/11/13/15	NOTE	11	B-1	9s	0B	hh	9s	0B	hh		
					USER MODE	8/10/12/14	NOTE	27	D#1	9p	1B	hh	9p	1B	hh		
				+SHIFT		9/11/13/15	NOTE	27	D#1	9s	1B	hh	9s	1B	hh		
					USER MODE	8/10/12/14	NOTE	43	G2	9p	2B	hh	9p	2B	hh		
				+SHIFT		9/11/13/15	NOTE	43	G2	9s	2B	hh	9s	2B	hh		
					USER MODE	8/10/12/14	NOTE	59	B3	9p	3B	hh	9p	3B	hh		
				+SHIFT		9/11/13/15	NOTE	59	B3	9s	3B	hh	9s	3B	hh		
	P5	PERFORMANCE PAD 5	press		HOT CUE MODE	8/10/12/14	NOTE	4	E-1	9p	04	hh	9p	04	hh		OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
				+SHIFT		9/11/13/15	NOTE	4	E-1	9s	04	hh	9s	04	hh		
					ROLL MODE	8/10/12/14	NOTE	20	G#0	9p	14	hh	9p	14	hh		
				+SHIFT		9/11/13/15	NOTE	20	G#0	9s	14	hh	9s	14	hh		
					SAVED LOOP MODE	8/10/12/14	NOTE	36	C2	9p	24	hh	9p	24	hh		
				+SHIFT		9/11/13/15	NOTE	36	C2	9s	24	hh	9s	24	hh		
					SAMPLER MODE	8/10/12/14	NOTE	52	E3	9p	34	hh	9p	34	hh		
				+SHIFT		9/11/13/15	NOTE	52	E3	9s	34	hh	9s	34	hh		
					PITCH PLAY MODE	8/10/12/14	NOTE	68	G#4	9p	44	hh	9p	44	hh		
				+SHIFT		9/11/13/15	NOTE	68	G#4	9s	44	hh	9s	44	hh		
					PIANO PLAY MODE	8/10/12/14	NOTE	84	C6	9p	54	hh	9p	54	hh		
				+SHIFT		9/11/13/15	NOTE	84	C6	9s	54	hh	9s	54	hh		
					STEMS MODE	8/10/12/14	NOTE	100	E7	9p	64	hh	9p	64	hh		
				+SHIFT		9/11/13/15	NOTE	100	E7	9s	64	hh	9s	64	hh		
					SCRATCH BANK MODE	8/10/12/14	NOTE	116	G#8	9p	74	hh	9p	74	hh		
				+SHIFT		9/11/13/15	NOTE	116	G#8	9s	74	hh	9s	74	hh		
					USER MODE	8/10/12/14	NOTE	12	C0	9p	0C	hh	9p	0C	hh		
				+SHIFT		9/11/13/15	NOTE	12	C0	9s	0C	hh	9s	0C	hh		
					USER MODE	8/10/12/14	NOTE	28	E1	9p	1C	hh	9p	1C	hh		
				+SHIFT		9/11/13/15	NOTE	28	E1	9s	1C	hh	9s	1C	hh		
					USER MODE	8/10/12/14	NOTE	44	G#2	9p	2C	hh	9p	2C	hh		
				+SHIFT		9/11/13/15	NOTE	44	G#2	9s	2C	hh	9s	2C	hh		
					USER MODE	8/10/12/14	NOTE	60	C4	9p	3C	hh	9p	3C	hh		
				+SHIFT		9/11/13/15	NOTE	60	C4	9s	3C	hh	9s	3C	hh		

Group	Fig.	User Interface				MIDI assign reference 1				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)	
								(Dec)	(English scale)							
PERFORMANCE PADS	P5	PERFORMANCE PAD 6	press		HOT CUE MODE	8/10/12/14	NOTE	5	F-1	9p	05	hh	9p	05	hh	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
				+SHIFT		9/11/13/15	NOTE	5	F-1	9s	05	hh	9s	05	hh	
					ROLL MODE	8/10/12/14	NOTE	21	A0	9p	15	hh	9p	15	hh	
				+SHIFT		9/11/13/15	NOTE	21	A0	9s	15	hh	9s	15	hh	
					SAVED LOOP MODE	8/10/12/14	NOTE	37	C#2	9p	25	hh	9p	25	hh	
				+SHIFT		9/11/13/15	NOTE	37	C#2	9s	25	hh	9s	25	hh	
					SAMPLER MODE	8/10/12/14	NOTE	53	F3	9p	35	hh	9p	35	hh	
				+SHIFT		9/11/13/15	NOTE	53	F3	9s	35	hh	9s	35	hh	
					PITCH PLAY MODE	8/10/12/14	NOTE	69	A4	9p	45	hh	9p	45	hh	
				+SHIFT		9/11/13/15	NOTE	69	A4	9s	45	hh	9s	45	hh	
					PIANO PLAY MODE	8/10/12/14	NOTE	85	C#6	9p	55	hh	9p	55	hh	
				+SHIFT		9/11/13/15	NOTE	85	C#6	9s	55	hh	9s	55	hh	
					STEMS MODE	8/10/12/14	NOTE	101	F7	9p	65	hh	9p	65	hh	
				+SHIFT		9/11/13/15	NOTE	101	F7	9s	65	hh	9s	65	hh	
					SCRATCH BANK MODE	8/10/12/14	NOTE	117	A8	9p	75	hh	9p	75	hh	
				+SHIFT		9/11/13/15	NOTE	117	A8	9s	75	hh	9s	75	hh	
					USER MODE	8/10/12/14	NOTE	13	C#0	9p	0D	hh	9p	0D	hh	
				+SHIFT		9/11/13/15	NOTE	13	C#0	9s	0D	hh	9s	0D	hh	
					USER MODE	8/10/12/14	NOTE	29	F1	9p	1D	hh	9p	1D	hh	
				+SHIFT		9/11/13/15	NOTE	29	F1	9s	1D	hh	9s	1D	hh	
					USER MODE	8/10/12/14	NOTE	45	A2	9p	2D	hh	9p	2D	hh	
				+SHIFT		9/11/13/15	NOTE	45	A2	9s	2D	hh	9s	2D	hh	
					USER MODE	8/10/12/14	NOTE	61	C#4	9p	3D	hh	9p	3D	hh	
				+SHIFT		9/11/13/15	NOTE	61	C#4	9s	3D	hh	9s	3D	hh	
	P5	PERFORMANCE PAD 7	press		HOT CUE MODE	8/10/12/14	NOTE	6	F#-1	9p	06	hh	9p	06	hh	
				+SHIFT		9/11/13/15	NOTE	6	F#-1	9s	06	hh	9s	06	hh	
					ROLL MODE	8/10/12/14	NOTE	22	A#0	9p	16	hh	9p	16	hh	
				+SHIFT		9/11/13/15	NOTE	22	A#0	9s	16	hh	9s	16	hh	
					SAVED LOOP MODE	8/10/12/14	NOTE	38	D2	9p	26	hh	9p	26	hh	
				+SHIFT		9/11/13/15	NOTE	38	D2	9s	26	hh	9s	26	hh	
					SAMPLER MODE	8/10/12/14	NOTE	54	F#3	9p	36	hh	9p	36	hh	
				+SHIFT		9/11/13/15	NOTE	54	F#3	9s	36	hh	9s	36	hh	
					PITCH PLAY MODE	8/10/12/14	NOTE	70	A#4	9p	46	hh	9p	46	hh	
				+SHIFT		9/11/13/15	NOTE	70	A#4	9s	46	hh	9s	46	hh	
					PIANO PLAY MODE	8/10/12/14	NOTE	86	D6	9p	56	hh	9p	56	hh	
				+SHIFT		9/11/13/15	NOTE	86	D6	9s	56	hh	9s	56	hh	
					STEMS MODE	8/10/12/14	NOTE	102	F#7	9p	66	hh	9p	66	hh	
				+SHIFT		9/11/13/15	NOTE	102	F#7	9s	66	hh	9s	66	hh	
					SCRATCH BANK MODE	8/10/12/14	NOTE	118	A#8	9p	76	hh	9p	76	hh	
				+SHIFT		9/11/13/15	NOTE	118	A#8	9s	76	hh	9s	76	hh	
					USER MODE	8/10/12/14	NOTE	14	D0	9p	0E	hh	9p	0E	hh	
				+SHIFT		9/11/13/15	NOTE	14	D0	9s	0E	hh	9s	0E	hh	
					USER MODE	8/10/12/14	NOTE	30	F#1	9p	1E	hh	9p	1E	hh	
				+SHIFT		9/11/13/15	NOTE	30	F#1	9s	1E	hh	9s	1E	hh	
					USER MODE	8/10/12/14	NOTE	46	A#2	9p	2E	hh	9p	2E	hh	
				+SHIFT		9/11/13/15	NOTE	46	A#2	9s	2E	hh	9s	2E	hh	
					USER MODE	8/10/12/14	NOTE	62	D4	9p	3E	hh	9p	3E	hh	
				+SHIFT		9/11/13/15	NOTE	62	D4	9s	3E	hh	9s	3E	hh	

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)		
								(Dec)	(English scale)								
PERFORMANCE PADS	P5	PERFORMANCE PAD 8	press		HOT CUE MODE	8/10/12/14	NOTE	7	G-1	9p	07	hh	9p	07	hh	OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)	
				+SHIFT		9/11/13/15	NOTE	7	G-1	9s	7	hh	9s	7	hh		
					ROLL MODE	8/10/12/14	NOTE	23	B0	9p	17	hh	9p	17	hh		
				+SHIFT		9/11/13/15	NOTE	23	B0	9s	17	hh	9s	17	hh		
					SAVED LOOP MODE	8/10/12/14	NOTE	39	D#2	9p	27	hh	9p	27	hh		
				+SHIFT		9/11/13/15	NOTE	39	D#2	9s	27	hh	9s	27	hh		
					SAMPLER MODE	8/10/12/14	NOTE	55	G3	9p	37	hh	9p	37	hh		
				+SHIFT		9/11/13/15	NOTE	55	G3	9s	37	hh	9s	37	hh		
					PITCH PLAY MODE	8/10/12/14	NOTE	71	B4	9p	47	hh	9p	47	hh		
				+SHIFT		9/11/13/15	NOTE	71	B4	9s	47	hh	9s	47	hh		
					PIANO PLAY MODE	8/10/12/14	NOTE	87	D#6	9p	57	hh	9p	57	hh		
				+SHIFT		9/11/13/15	NOTE	87	D#6	9s	57	hh	9s	57	hh		
					STEMS MODE	8/10/12/14	NOTE	103	G7	9p	67	hh	9p	67	hh		
				+SHIFT		9/11/13/15	NOTE	103	G7	9s	67	hh	9s	67	hh		
					SCRATCH BANK MODE	8/10/12/14	NOTE	119	B8	9p	77	hh	9p	77	hh		
				+SHIFT		9/11/13/15	NOTE	119	B8	9s	77	hh	9s	77	hh		
					USER MODE	8/10/12/14	NOTE	15	D#0	9p	0F	hh	9p	0F	hh		
				+SHIFT		9/11/13/15	NOTE	15	D#0	9s	0F	hh	9s	0F	hh		
					USER MODE	8/10/12/14	NOTE	31	G1	9p	1F	hh	9p	1F	hh		
				+SHIFT		9/11/13/15	NOTE	31	G1	9s	1F	hh	9s	1F	hh		
					USER MODE	8/10/12/14	NOTE	47	B2	9p	2F	hh	9p	2F	hh		
				+SHIFT		9/11/13/15	NOTE	47	B2	9s	2F	hh	9s	2F	hh		
					USER MODE	8/10/12/14	NOTE	63	D#4	9p	3F	hh	9p	3F	hh		
				+SHIFT		9/11/13/15	NOTE	63	D#4	9s	3F	hh	9s	3F	hh		
	P6	PARAMETER 1 ◀	press	+SHIFT	HOT CUE MODE	1/2/3/4	NOTE	96	C7	9n	60	hh	9n	60	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	72	C5	9n	48	hh	9n	48	hh	OFF=0x00, ON=0x7F		
				+SHIFT	ROLL MODE	1/2/3/4	NOTE	97	C#7	9n	61	hh	9n	61	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	73	C#5	9n	49	hh	9n	49	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAVED LOOP MODE	1/2/3/4	NOTE	98	D7	9n	62	hh	9n	62	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	74	D5	9n	4A	hh	9n	4A	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAMPLER MODE	1/2/3/4	NOTE	99	D#7	9n	63	hh	9n	63	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	75	D#5	9n	4B	hh	9n	4B	hh	OFF=0x00, ON=0x7F		
				+SHIFT	PITCH PLAY MODE	1/2/3/4	NOTE	100	E7	9n	64	hh	9n	64	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	76	E5	9n	4C	hh	9n	4C	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SLICER LOOP MODE	1/2/3/4	NOTE	101	F7	9n	65	hh	9n	65	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	77	F5	9n	4D	hh	9n	4D	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAVED FLIP MODE	1/2/3/4	NOTE	102	F#7	9n	66	hh	9n	66	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	84	C6	9n	54	hh	9n	54	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SCRATCH BANK MODE	1/2/3/4	NOTE	103	G7	9n	67	hh	9n	67	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	85	C#6	9n	55	hh	9n	55	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	104	G#7	9n	68	hh	9n	68	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	86	D6	9n	56	hh	9n	56	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	105	A7	9n	69	hh	9n	69	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	87	D#6	9n	57	hh	9n	57	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	106	A#7	9n	6A	hh	9n	6A	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	88	E6	9n	58	hh	9n	58	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	107	B7	9n	6B	hh	9n	6B	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	89	F6	9n	59	hh	9n	59	hh	OFF=0x00, ON=0x7F		
	P7	PARAMETER 1 ▶	press	+SHIFT	HOT CUE MODE	1/2/3/4	NOTE	112	E8	9n	70	hh	9n	70	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	90	F#6	9n	5A	hh	9n	5A	hh	OFF=0x00, ON=0x7F		
				+SHIFT	ROLL MODE	1/2/3/4	NOTE	113	F8	9n	71	hh	9n	71	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	91	G6	9n	5B	hh	9n	5B	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAVED LOOP MODE	1/2/3/4	NOTE	114	F#8	9n	72	hh	9n	72	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	92	G#6	9n	5C	hh	9n	5C	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAMPLER MODE	1/2/3/4	NOTE	115	G8	9n	73	hh	9n	73	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	93	A6	9n	5D	hh	9n	5D	hh	OFF=0x00, ON=0x7F		
				+SHIFT	PITCH PLAY MODE	1/2/3/4	NOTE	116	G#8	9n	74	hh	9n	74	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	94	A#6	9n	5E	hh	9n	5E	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SLICER LOOP MODE	1/2/3/4	NOTE	117	A8	9n	75	hh	9n	75	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	95	B6	9n	5F	hh	9n	5F	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SAVED FLIP MODE	1/2/3/4	NOTE	118	A#8	9n	76	hh	9n	76	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	108	C8	9n	6C	hh	9n	6C	hh	OFF=0x00, ON=0x7F		
				+SHIFT	SCRATCH BANK MODE	1/2/3/4	NOTE	119	B8	9n	77	hh	9n	77	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	109	C#8	9n	6D	hh	9n	6D	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	120	C9	9n	78	hh	9n	78	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	110	D8	9n	6E	hh	9n	6E	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	121	C#9	9n	79	hh	9n	79	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	111	D#8	9n	6F	hh	9n	6F	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	122	D9	9n	7A	hh	9n	7A	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	124	E9	9n	7C	hh	9n	7C	hh	OFF=0x00, ON=0x7F		
				+SHIFT	USER MODE	1/2/3/4	NOTE	123	D#9	9n	7B	hh	9n	7B	hh		OFF=0x00, ON=0x7F
					1/2/3/4	NOTE	125	F9	9n	7D	hh	9n	7D	hh	OFF=0x00, ON=0x7F		