DDJ-1000

List of MIDI message version 1.00

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

Channel Category	MIDI Channe	Channel No. (Hex)
DECK 1 (other than PERFORMANCE PAD)	1	n=0
DECK 2 (other than PERFORMANCE PAD)	2	n=1
DECK 3 (other than PERFORMANCE PAD)	3	n=2
DECK 4 (other than PERFORMANCE PAD)	4	n=3
EFFECT	5	m=4
(No Use)	6	m=5
BROWSER	7	m=6
DECK 1 PERFORMANCE PAD (without SHIFT)	8	p=7
DECK 1 PERFORMANCE PAD (with SHIFT)	9	p=8
DECK 2 PERFORMANCE PAD (without SHIFT)	10	p=9
DECK 2 PERFORMANCE PAD (with SHIFT)	11	p=A
DECK 3 PERFORMANCE PAD (without SHIFT)	12	p=B
DECK 3 PERFORMANCE PAD (with SHIFT)	13	p=C
DECK 4 PERFORMANCE PAD (without SHIFT)	14	p=D
DECK 4 PERFORMANCE PAD (with SHIFT)	15	p=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.
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 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
BROWSER	B1-L	Rotary Selector		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)
			+SHIFT			7	CC	100	–	B6	64	hh				
				press	DECK 1	7	NOTE	70	A#4	96	46	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	93	A6	96	5D	hh				OFF=0x00, ON=0x7F
					DECK 3	7	NOTE	72	C5	96	48	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	94	A#6	96	5E	hh				OFF=0x00, ON=0x7F
	B1-R	Rotary Selector		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)
			+SHIFT			7	CC	100	–	B6	64	hh				
				press	DECK 2	7	NOTE	71	B4	96	47	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	109	C#8	96	6D	hh				OFF=0x00, ON=0x7F
					DECK 4	7	NOTE	73	C#5	96	49	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	111	D#8	96	6F	hh				OFF=0x00, ON=0x7F
	B2-L B2-R	BACK		press		7	NOTE	101	F7	96	65	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	102	F#7	96	66	hh				OFF=0x00, ON=0x7F
	B3-L B3-R	VIEW		press		7	NOTE	122	D9	96	7A	hh				OFF=0x00, ON=0x7F
			LONG			7	NOTE	103	G7	96	67	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	104	G#7	96	68	hh				OFF=0x00, ON=0x7F

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (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
			+SHIFT			1/2/3/4	NOTE	71	B4	9n	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D2-L D2-R	CUE		press		1/2/3/4	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	72	C5	9n	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D3-L D3-R	JOG (Platter)		rotate	Vinyl On	1/2/3/4	CC	34	–	Bn	22	hh				Difference count value from previous operated Turn clockwise : Increases from 65 (0x41) Turn counterclockwise : Decreases from 63 (0x3F)
					Vinyl Off	1/2/3/4	CC	35	–	Bn	23	hh				
			+SEARCH			1/2/3/4	CC	41	–	Bn	29	hh				
			+SHIFT			1/2/3/4	CC	31	–	Bn	1F	hh				
				touch		1/2/3/4	NOTE	54	F#3	9n	36	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	103	G7	9n	67	hh				OFF=0x00, ON=0x7F
		JOG (Platter)		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				
	D4-L D4-R	Tempo		slide		1/2/3/4	CC	0 32	–	Bn	00 20	MSB LSB				Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x7F, LSB : 0x7F) "−" side : Min (MSB:0x00 LSB:0x00) "+" side : Max (MSB:0x7F LSB:0x7F)
			+SHIFT			1/2/3/4	CC	5 37	–	Bn	05 25	MSB LSB				
	D5-L D5-R	MASTER TEMPO		press		1/2/3/4	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D6-L	DECK SELECT 1/3		press	DECK 3	1	NOTE	114	F#8	92	72	hh				OFF=0x00, ON=0x7F
					DECK 1	3	NOTE	114	F#8	92	72	hh				OFF=0x00, ON=0x7F
	D6-R	DECK SELECT 2/4		press	DECK 4	2	NOTE	114	F#8	93	72	hh				OFF=0x00, ON=0x7F
					DECK 2	4	NOTE	114	F#8	93	72	hh				OFF=0x00, ON=0x7F
	D7-L D7-R	BEAT SYNC		press		1/2/3/4	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	92	G#6	9n	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D8-L D8-R	KEY SYNC		press		1/2/3/4	NOTE	101	F7	9n	65	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	28	E1	9n	1C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D9-L D9-R	KEY RESET		press		1/2/3/4	NOTE	100	E7	9n	64	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	31	G1	9n	1F	hh				OFF=0x00, ON=0x7F
	D10-L D10-R	LOOP IN		press		1/2/3/4	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D11-L D11-R	LOOP OUT		press		1/2/3/4	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D12-L D12-R	4 BEAT LOOP/EXIT		press		1/2/3/4	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D13-L D13-R	QUANTIZE		press		1/2/3/4	NOTE	53	F3	9n	35	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	57	A3	9n	39	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D14-L D14-R	SLIP		press		1/2/3/4	NOTE	64	E4	9n	40	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	23	B0	9n	17	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D15-L D15-R	SLIP REVERSE		press		1/2/3/4	NOTE	21	A0	9n	15	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	56	G#3	9n	38	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	D16-L D16-R	SEARCH ◀◀		press		1/2/3/4	NOTE	94	A#6	9n	5E	hh				OFF=0x00, ON=0x7F
			LONG			1/2/3/4	NOTE	112	E8	9n	70	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	81	A5	9n	51	hh				OFF=0x00, ON=0x7F
	D17-L D17-R	SEARCH ▶▶		press		1/2/3/4	NOTE	95	B6	9n	5F	hh				OFF=0x00, ON=0x7F
			LONG			1/2/3/4	NOTE	113	F8	9n	71	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	83	B5	9n	53	hh				OFF=0x00, ON=0x7F
	D18-L D18-R	MEMORY		press		1/2/3/4	NOTE	61	C#4	9n	3D	hh				OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	62	D4	9n	3E	hh				OFF=0x00, ON=0x7F
	D19-L D19-R	SHIFT		press		1/2/3/4	NOTE	63	D#4	9n	3F	hh				OFF=0x00, ON=0x7F
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)	+SHIFT	slide	Zero → not Zero	1/2/3/4	NOTE	102	F#7	9n	66	hh				PLAY message only for CH fader start OFF=0x00, ON=0x7F
			+SHIFT		Not Zero → Zero	1/2/3/4	NOTE	82	A#5	9n	52	hh				CUE message only for CH fader start OFF=0x00, ON=0x7F
	M3-1 M3-2 M3-3 M3-4	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 M4-4	EQ HI		rotate		1/2/3/4	CC	7 39	–	Bn	07 27	MSB LSB				Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x7F, LSB : 0x7F) When turned fully counterclockwise : Min When turned fully clockwise : Max
	M5-1 M5-2 M5-3 M5-4	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 M6-4	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 M7-3 M7-4	CUE (Headphone)		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		press		7	NOTE	99	D#7	96	63	hh	← Same as MIDI-IN			LED are lit by itself or by MIDI-OUT
			+SHIFT			7	NOTE	98	D7	96	62	hh	← Same as MIDI-IN			
	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				ON=0x7F
						1/2/3/4	NOTE	24/29	C1/F1	9n	18/1D	00				OFF=0x00
					Switch to THRU	1/2/3/4	NOTE	29	F1	9n	1D	7F				ON=0x7F
						1/2/3/4	NOTE	22/24	A#0/C1	9n	16/18	00				OFF=0x00
					Switch to B	1/2/3/4	NOTE	24	C1	9n	18	7F				ON=0x7F
						1/2/3/4	NOTE	22/29	A#0/F1	9n	16/1D	00				OFF=0x00
	M12	HEADPHONES MIXING		rotate		7	CC	12 44	–	B6	0C 2C	MSB LSB				Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x7F, LSB : 0x7F)
	M13	HEADPHONES LEVEL		rotate		7	CC	13 45	–	B6	0D 2D	MSB LSB				Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x7F, LSB : 0x7F)
	M14	MIC EQ HI		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
	M15	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

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
	M16-1 M16-2	LINE/PHONO SW		slide		3/4	NOTE	70	A#4	9n	46	hh				Select PHONO : OFF=0x00 Select LINE : ON=0x7F
MIXER	M17-1 M17-2 M17-3 M17-4	INPUT SELECT		slide	Switch to USB A	1/2/3/4	NOTE	85	C#6	9n	55	7F				OFF=0x00, ON=0x7F
						1/2/3/4	NOTE	86/87	D6/D#6	9n	56/57	00				OFF=0x00, ON=0x7F
					Switch to LINE or PHONO/LINE	1/2/3/4	NOTE	86	D6	9n	56	7F				OFF=0x00, ON=0x7F
						1/2/3/4	NOTE	85/87	C#6/D#6	9n	55/57	00				OFF=0x00, ON=0x7F
					Switch to USB B	1/2/3/4	NOTE	87	D#6	9n	57	7F				OFF=0x00, ON=0x7F
						1/2/3/4	NOTE	85/86	C#6/D6	9n	55/56	00				OFF=0x00, ON=0x7F
	M18	MIC OFF/ON /TALKOVER		slide	Switch to OFF	7	NOTE	106	A#7	96	6A	7F				OFF=0x00, ON=0x7F
						7	NOTE	107/108	B7/C8	96	6B/6C	00				OFF=0x00, ON=0x7F
					Switch to ON	7	NOTE	107	B7	96	6B	7F				OFF=0x00, ON=0x7F
						7	NOTE	106/108	A#7/C8	96	6A/6C	00				OFF=0x00, ON=0x7F
					Switch to TALK OVER	7	NOTE	108	C8	96	6C	7F				OFF=0x00, ON=0x7F
						7	NOTE	106/107	A#7/B7	96	6A/6B	00				OFF=0x00, ON=0x7F
	M19	SAMPLER 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
	M20	SAMPLER VOL		rotate		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
	M21	MASTER LEVEL METER		-				–	–							without MIDI-control
	M22-1 M22-2 M22-3 M22-4	CHANNEL LEVEL METER		-		1/2/3/4	CC	2	–				Bn	02	hh	Use when INPUT Selector is "USB A" or "USB B"
EFFECT	F1-1 F1-2 F1-3 F1-4	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
		COLOR FX Parameter (CH2)		rotate		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
		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
		COLOR FX Parameter (CH4)		rotate		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
	F2	COLOR FX (D-ECHO)		rotate		7	NOTE	0	C-1	96	00	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	8	G#-1	96	08	hh				OFF=0x00, ON=0x7F
	F3	COLOR FX (PITCH)		rotate		7	NOTE	1	C#-1	96	01	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	9	A-1	96	09	hh				OFF=0x00, ON=0x7F
	F4	COLOR FX (NOISE)		rotate		7	NOTE	2	D-1	96	02	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	10	A#-1	96	0A	hh				OFF=0x00, ON=0x7F
	F5	COLOR FX (FILTER)		rotate		7	NOTE	3	D#-1	96	03	hh				OFF=0x00, ON=0x7F
			+SHIFT			7	NOTE	11	B-1	96	0B	hh				OFF=0x00, ON=0x7F
	F6	BEAT ◀		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
	F7	BEAT ▶		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
	F8	FX SELECT (LOW CUT		rotate		5	NOTE	32	G#1	94	20	hh				OFF=0x00, ON=0x7F
		FX SELECT (ECHO)				5	NOTE	33	A1	94	21	hh				OFF=0x00, ON=0x7F
		FX SELECT (MT DELAY)				5	NOTE	34	A#1	94	22	hh				OFF=0x00, ON=0x7F
		FX SELECT (SPIRAL)				5	NOTE	35	B1	94	23	hh				OFF=0x00, ON=0x7F
		FX SELECT (REVERB)				5	NOTE	36	C2	94	24	hh				OFF=0x00, ON=0x7F
		FX SELECT (TRANS)				5	NOTE	37	C#2	94	25	hh				OFF=0x00, ON=0x7F
		FX SELECT (ENIGMA JET)				5	NOTE	38	D2	94	26	hh				OFF=0x00, ON=0x7F
		FX SELECT (FLANGER)				5	NOTE	39	D#2	94	27	hh				OFF=0x00, ON=0x7F
		FX SELECT (PHASER)				5	NOTE	40	E2	94	28	hh				OFF=0x00, ON=0x7F
		FX SELECT (PITCH)				5	NOTE	41	F2	94	29	hh				OFF=0x00, ON=0x7F
		FX SELECT (SLPI ROLL)				5	NOTE	42	F#2	94	2A	hh				OFF=0x00, ON=0x7F
		FX SELECT (ROLL)				5	NOTE	43	G2	94	2B	hh				OFF=0x00, ON=0x7F
		FX SELECT (MOBIUS SAW)				5	NOTE	44	G#2	94	2C	hh				OFF=0x00, ON=0x7F
		FX SELECT (MOBIUS TRI)				5	NOTE	45	A2	94	2D	hh				OFF=0x00, ON=0x7F
	F9	CH SELECT (CH1)		rotate		5	NOTE	16	E0	94	10	hh				OFF=0x00, ON=0x7F
		CH SELECT (CH2)				5	NOTE	17	F0	94	11	hh				OFF=0x00, ON=0x7F
		CH SELECT (CH3)				5	NOTE	18	F#0	94	12	hh				OFF=0x00, ON=0x7F
		CH SELECT (CH4)				5	NOTE	19	G0	94	13	hh				OFF=0x00, ON=0x7F
		CH SELECT (MASTER)				5	NOTE	20	G#0	94	14	hh				OFF=0x00, ON=0x7F
		CH SELECT (MIC)				5	NOTE	21	A0	94	15	hh				OFF=0x00, ON=0x7F
		CH SELECT (SAMPLER)				5	NOTE	22	A#0	94	16	hh				OFF=0x00, ON=0x7F
	F10	LEVEL/DEPTH		rotate		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
	F11	FX ON/OFF		press		5	NOTE	71	B4	94	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			5	NOTE	67	G4	94	43	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P1	PAD 1		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	0	C-1	9p	00	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	0	C-1	9p	00	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	8	G#-1	9p	08	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	8	G#-1	9p	08	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	16	E0	9p	10	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	16	E0	9p	10	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	24	C1	9p	18	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	24	C1	9p	18	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	32	G#1	9p	20	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	32	G#1	9p	20	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	40	E2	9p	28	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	40	E2	9p	28	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	48	C3	9p	30	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	56	G#3	9p	38	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	64	E4	9p	40	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	64	E4	9p	40	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	72	C5	9p	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	72	C5	9p	48	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	80	G#5	9p	50	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	80	G#5	9p	50	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	88	E6	9p	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	88	E6	9p	58	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	96	C7	9p	60	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	96	C7	9p	60	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	104	G#7	9p	68	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	104	G#7	9p	68	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	112	E8	9p	70	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	120	C9	9p	78	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P2	PAD 2		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	1	C#-1	9p	01	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	1	C#-1	9p	01	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	9	A-1	9p	09	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	9	A-1	9p	09	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	17	F0	9p	11	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	17	F0	9p	11	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	25	C#1	9p	19	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	25	C#1	9p	19	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	33	A1	9p	21	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	33	A1	9p	21	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	41	F2	9p	29	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	41	F2	9p	29	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	49	C#3	9p	31	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	57	A3	9p	39	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	65	F4	9p	41	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	65	F4	9p	41	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	73	C#5	9p	49	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	73	C#5	9p	49	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	81	A5	9p	51	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	81	A5	9p	51	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	89	F6	9p	59	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	89	F6	9p	59	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	97	C#7	9p	61	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	97	C#7	9p	61	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	105	A7	9p	69	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	105	A7	9p	69	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	113	F8	9p	71	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	121	C#9	9p	79	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P3	PAD 3		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	50	D3	9p	32	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P4	PAD 4		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	51	D#3	9p	33	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	67	G4	9p	43	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	67	G4	9p	43	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	75	D#5	9p	4B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	83	B5	9p	53	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	83	B5	9p	53	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	91	G6	9p	5B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	99	D#7	9p	63	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	99	D#7	9p	63	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	107	B7	9p	6B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	115	G8	9p	73	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	123	D#9	9p	7B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	123	D#9	9p	7B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P5	PAD 5		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	4	E-1	9p	04	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	4	E-1	9p	04	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	12	C0	9p	0C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	28	E1	9p	1C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	44	G#2	9p	2C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	52	E3	9p	34	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	60	C4	9p	3C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	68	G#4	9p	44	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	68	G#4	9p	44	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	76	E5	9p	4C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	92	G#6	9p	5C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	100	E7	9p	64	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	100	E7	9p	64	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	108	C8	9p	6C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	116	G#8	9p	74	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	124	E9	9p	7C	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P6	PAD 6		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	5	F-1	9p	05	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	5	F-1	9p	05	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	13	C#0	9p	0D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	21	A0	9p	15	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	21	A0	9p	15	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	29	F1	9p	1D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	37	C#2	9p	25	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	37	C#2	9p	25	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	45	A2	9p	2D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	53	F3	9p	35	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	61	C#4	9p	3D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	77	F5	9p	4D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	93	A6	9p	5D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	109	C#8	9p	6D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	125	F9	9p	7D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	125	F9	9p	7D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

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Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P7	PAD 7		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	6	F#-1	9p	06	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	6	F#-1	9p	06	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	38	D2	9p	26	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	38	D2	9p	26	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	46	A#2	9p	2E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	54	F#3	9p	36	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	62	D4	9p	3E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P8	PAD 8		press	HOT CUE mode (PAGE 1)	8/10/12/14	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	HOT CUE mode (PAGE 2)	8/10/12/14	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 1)	8/10/12/14	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 1 (PAGE 2)	8/10/12/14	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 1)	8/10/12/14	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT JUMP mode (PAGE 2)	8/10/12/14	NOTE	47	B2	9p	2F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	47	B2	9p	2F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	55	G3	9p	37	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	SAMPLER mode (PAGE 2)	8/10/12/14	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	63	D#4	9p	3F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 1)	8/10/12/14	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEYBOARD mode (PAGE 2)	8/10/12/14	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 1)	8/10/12/14	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	PAD FX mode 2 (PAGE 2)	8/10/12/14	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 1)	8/10/12/14	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	BEAT LOOP mode (PAGE 2)	8/10/12/14	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 1)	8/10/12/14	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			9/11/13/15	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
				press	KEY SHIFT mode (PAGE 2)	8/10/12/14	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F MIDI-OUT: lit in color specified in color number(1-127). OFF=0x00(dimmer)
			+SHIFT			9/11/13/15	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P9	HOT CUE		press		1/2/3/4	NOTE	27	D#1	9n	1B	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	105	A7	9n	69	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P10	PAD FX		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			OFF=0x00, ON=0x7F
	P11	BEAT JUMP		press		1/2/3/4	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
	P12	SAMPER		press		1/2/3/4	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F
			+SHIFT			1/2/3/4	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN			OFF=0x00, ON=0x7F

Pioneer DJ

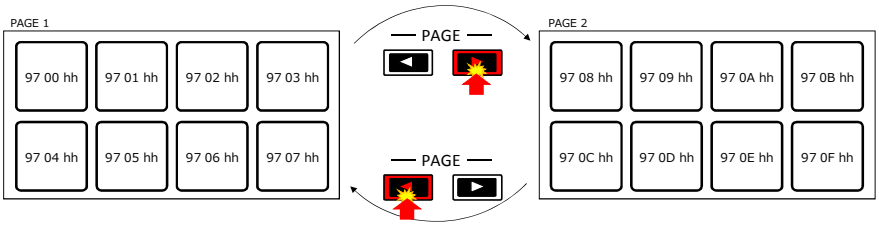
Group	Fig.	User Interface				MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
		UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P13	PAGE ◀ (*1)		press	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
				press	PAD FX mode 1	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
				press	BEAT JUMP 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
				press	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
				press	KEYBOARD 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
				press	PAD FX mode 2	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
				press	BEAT 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
				press	KEY SHIFT 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
	P14	PAGE ▶ (*1)		press	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
				press	PAD FX mode 1	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
				press	BEAT JUMP 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
				press	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
				press	KEYBOARD 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
				press	PAD FX mode 2	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
				press	BEAT 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
				press	KEY SHIFT 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

MIDI-OUT

Group	Communication name	Function	MIDI assign reference 1				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data 2)
			MIDI Channel (Dec)	NOTE / CC	MIDI Data (Data 1) (Dec)	MIDI Data (Data 1) (English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
Illumination Control	Current position bar	for JOG display (*2)	1/2/3/4	CC	20 52	–				Bn	14 34	MSB LSB	Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x02, LSB : 0x67) 0 ～ 359 [degree]
	BPM value		1/2/3/4	CC	21 53	–				Bn	15 35	MSB LSB	Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x4E, LSB : 0x0F) BPM : 0.0 ～ 999.9
	Playing speed		1/2/3/4	CC	22 54	–				Bn	16 36	MSB LSB	Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x4E, LSB : 0x0F) Playing speed : －100.0% ～ +100.0%
	Current time (minute)		1/2/3/4	NOTE	66	F#4				9n	42	hh	0x00 ～ 0x63 (0～99)
	Current time (second)		1/2/3/4	NOTE	67	G4				9n	43	hh	0x00 ～ 0x3B (0～59)
	Time mode		1/2/3/4	NOTE	68	G#4				9n	44	hh	Elapsed : OFF=0x00 Remaining : ON=0x7F
	Cue marker		1/2/3/4	CC	23 55	–				Bn	17 37	MSB LSB	Min (MSB : 0x00, LSB : 0x00) ～ Max (MSB : 0x02, LSB : 0x67) 0 ～ 359 [degree] Hide Cue marker : (MSB:0x7F, LSB:0x7F)
	Key value		1/2/3/4	NOTE	73	C#5				9n	49	hh	0x00～0x18 (*3)
	Key variation		1/2/3/4	NOTE	74	D5				9n	4A	hh	0x01-0x0C (-12 ～ -1), 0x0D(0), 0x0E～0x19 (+1 ～ +12)
	Beat Sync Master		1/2/3/4	NOTE	89	F6				9n	59	hh	OFF=0x00, ON=0x7F
	Beat Sync State		1/2/3/4	NOTE	90	F#6				9n	5A	hh	OFF=0x00, ON=0x7F
	JOG Ring LED State		1/2/3/4	NOTE	91	G6				9n	5B	hh	OFF=0x00, WHITE=0x01
	Display/hide information on the jog dial display		1/2/3/4	NOTE	93	A6				9n	5D	hh	Display information=0x00, Hide information=0x7F (To hide information, send 0x7F.)

*1 Press the [PAGE ◀] button in each pad mode to switch to PAGE 1. Press the [PAGE ▶] button in each pad mode to switch to PAGE 2.
When switching the PAGE, MIDI for the pad changes.

When switching the PAGE in [Hot Cue] mode on DECK1



*2 You can select information on the jog dial display section.
*3 Displayed KEY information data are as follows.

Data 2 (Dec)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Data 2 (Hex)	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F	0x10	0x11	0x12	0x13	0x14	0x15	0x16	0x17	0x18
KEY	---	C	Am	Db	Bbm	D	Bm	Eb	Cm	E	Dbm	F	Dm	F#	Ebm	G	Em	Ab	Fm	A	F#m	Bb	Gm	B	Abm