

Pioneer Dj

XDJ-XZ

MIDI Message List



[MIDI channel assignment]

MIDI channel is defined as shown below.

0x0* Note

0x0* Control Change (CC)

Channel Category	MIDI channel	Channel No. (hex)
Browser	1	rw0
DECK 1	1	rw0
DECK 2	2	rw1
DECK 3	3	rw2
DECK 4	4	rw3
Mixer / EFFECT	5	rw4
	6	rw5
PERFORMANCE PADS	DECK1	rw6
	DECK2	rw7
	DECK3	rw8
	DECK4	rw9
OTHERS & JOG DISPLAY	12	rwB

As a reference for MIDI assign, MIDI messages sent from buttons and knobs of this controller are listed in decimal numbers.

NOTE is a MIDI message created when pressing or releasing a key of a piano/keyboard.

CC is an abbreviation of "Control Change". MIDI Control Change messages are used to control a wide variety of functions such as volume and sound quality.

Group	Fig.	User Interface				MIDI assign reference	MIDI-IN (to computer)				MIDI-OUT (from computer)				Details (Data2)		
		UI name	Trigger	Mode	+SHIFT		MIDI Channel (Dec)	NOTE / CC	Status (hex)	Data1 (Dec)	Data2 (hex)	Status (hex)	Data1 (hex)	Data2 (hex)			
1. DECK																	
*All the functions assigned on the right deck are the same as those on the left deck shown below.																	
1. DECK	1[L,R]	Jog dial (Platter)	rotate				1/2/3/4	CC	Bn	34	22	hh				Difference count value from when previous operated When turned clockwise: Increases from 0x41 When turned counterclockwise: Decreases from 0x0F	
			touch			+SHIFT	1/2/3/4	NOTE	9n	32	20	hh				OFF=0x00, ON=127(0x7F)	
		Jog dial (Wheel side)	rotate				1/2/3/4	CC	Bn	33	21	hh				Difference count value from when previous operated When turned clockwise: Increases from 0x41 When turned counterclockwise: Decreases from 0x0F	
			touch			+SHIFT	1/2/3/4	CC	Bn	38	26	hh				0-16383* : side : 0* : side : 16383	
	2[L,R]	TEMPO	slide				1/2/3/4	CC	Bn	0	0	MSB					
							1/2/3/4	CC	Bn	32	20	LSB					
	3[L,R]	TEMPO RESET	press				1/2/3/4	NOTE	9n	19	13	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	4[L,R]	MASTER TEMPO	press				1/2/3/4	NOTE	9n	17	11	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	5[L,R]	TEMPO RANGE	press				1/2/3/4	NOTE	9n	16	10	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	6[L,R]	SYNC	press				1/2/3/4	NOTE	9n	31	1F	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
						Long	1/2/3/4	NOTE	9n	71	47	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	7[L,R]	MASTER	press				1/2/3/4	NOTE	9n	30	1E	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	8[L,R]	JOG ADJUST	rotate				1/2/3/4	NOTE	9n	18	12	hh		<- same as MIDI IN		(Hardware Control)	
	9[L,R]	JOG MODE	press				1/2/3/4	NOTE	9n	18	12	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	10[L,R]	VINYL SPEED ADJUST	rotate				1/2/3/4	CC	Bn	30	1E	hh				0x0000-127(0x7F) Left (min): 0x0000, Right (max): 127(0x7F)	
	11[L,R]	TRACK SEARCH FWD	press				1/2/3/4	NOTE	9n	4	4	hh				OFF=0x00, ON=127(0x7F)	
		TRACK SEARCH REV	press				1/2/3/4	NOTE	9n	5	5	hh				OFF=0x00, ON=127(0x7F)	
	12[L,R]	SEARCH FWD	press				1/2/3/4	NOTE	9n	2	2	hh				OFF=0x00, ON=127(0x7F)	
		SEARCH REV	press				1/2/3/4	NOTE	9n	3	3	hh				OFF=0x00, ON=127(0x7F)	
	13[L,R]	SHIFT	Press twice				1/2/3/4	NOTE	9n	63	3F	hh				OFF=0x00, ON=127(0x7F)	
	14[L,R]	REVERSE	press				1/2/3/4	CC	Bn	102	66	hh				OFF=0x00, ON=127(0x7F)	
	15[L,R]	SLIP	press				1/2/3/4	NOTE	9n	33	21	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	16[L,R]	4 BEAT	press				1/2/3/4	NOTE	9n	44	2C	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
				Long	1/2/3/4	NOTE	9n	68	44	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)			
	17[L,R]	LOOP IN	press				1/2/3/4	NOTE	9n	6	6	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	18[L,R]	LOOP OUT	press			Long	1/2/3/4	NOTE	9n	69	45	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	19[L,R]	RELOOP/EXIT	press				1/2/3/4	NOTE	9n	7	7	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
	2. EFFECT	20[L,R]	CUELOOP CALL NEXT	press				1/2/3/4	NOTE	9n	11	B	hh				OFF=0x00, ON=127(0x7F)
				press				1/2/3/4	NOTE	9n	12	C	hh				OFF=0x00, ON=127(0x7F)
		21[L,R]	CUELOOP CALL PREV	press				1/2/3/4	NOTE	9n	13	D	hh				OFF=0x00, ON=127(0x7F)
press							1/2/3/4	NOTE	9n	10	A	hh				OFF=0x00, ON=127(0x7F)	
22[L,R]		CUELOOP MEMORY	press				1/2/3/4	NOTE	9n	13	D	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
23[L,R]		PLAY/PAUSE	press				1/2/3/4	NOTE	9n	0	0	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
24[L,R]		CUE	press				1/2/3/4	NOTE	9n	1	1	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
25[L,R]		JOG RING												(Hardware Control)			
26[L,R]		LOAD	press				1/2/3/4	NOTE	9n	81	51	hh		<- same as MIDI IN		OFF=0x00, ON=127(0x7F)	
27[L,R]		NEEDLE POSITION(GUI)	press				1/2/3/4	CC	Bn	28	1C	hh				OFF=0x0001 ~ 127, Left -> Right position data	
			press				1/2/3/4	NOTE	9n	54	36	hh				OFF=0x0000, ON=127(0x7F)	
2. EFFECT		1	X-PAD	slide		Slider Mode		5	CC	B4	116	74	hh				Left end: 0x0000~Right end: 127(0x7F)
	slide				Beat Mode		5	CC	B4	117	75	hh				Upper Left end: 0x0000~Right end: 63(0x3F), Lower Left end: 64(0x40)~Right end: 127(0x7F)	
	press						5	CC	B4	114	72	hh				Same as EFFECT ON / OFF	
	2	BEAT LEFT	press				5	CC	B4	76	4C	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	77	4D	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	69	45	hh				OFF=0x00, ON=127(0x7F)	
	3	TAP	press				5	CC	B4	78	4E	hh				OFF=0x00, ON=127(0x7F)	
			press				5	NOTE	94	118	76	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	102	66	hh				OFF=0x00, ON=127(0x7F)	
	4	FREQUENCY MID	press				5	CC	B4	103	67	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	104	68	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	42	2A	hh				OFF=0x00, ON=127(0x7F)	
	5	EFFECT SELECT DELAY	rotate				5	CC	B4	55	37	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	51	33	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	43	2B	hh				OFF=0x00, ON=127(0x7F)	
	6	EFFECT SELECT SPIRAL	rotate				5	CC	B4	54	36	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	53	35	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	59	3B	hh				OFF=0x00, ON=127(0x7F)	
	7	EFFECT SELECT FLANGER	rotate				5	CC	B4	50	32	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	57	39	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	63	3F	hh				OFF=0x00, ON=127(0x7F)	
	8	EFFECT SELECT PITCH	rotate				5	CC	B4	58	3A	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	46	2E	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	61	3D	hh				OFF=0x00, ON=127(0x7F)	
	9	EFFECT SELECT VINYL BRAKE	rotate				5	CC	B4	62	3E	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	39	27	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	40	28	hh				OFF=0x00, ON=127(0x7F)	
	10	CH SELECT MIC 1	rotate				5	CC	B4	28	1C	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	29	1D	hh				OFF=0x00, ON=127(0x7F)	
			rotate				5	CC	B4	38	26	hh				OFF=0x00, ON=127(0x7F)	
11	CH SELECT MIC 1/2	rotate				5	CC	B4	32	20	hh				OFF=0x00, ON=127(0x7F)		
		rotate				5	CC	B4	36	24	hh				OFF=0x00, ON=127(0x7F)		
		rotate				5	CC	B4	34	22	hh				OFF=0x00, ON=127(0x7F)		
12	CH SELECT CH2	rotate				5	CC	B4	35	23	hh				OFF=0x00, ON=127(0x7F)		
		rotate				5	CC	B4	37	25	hh				OFF=0x00, ON=127(0x7F)		
		rotate				5	CC	B4	41	29	hh				OFF=0x00, ON=127(0x7F)		
13	TIME	rotate				5	CC	B4	13	D	MSB				When FLANGER, PHASER or FILTER is selected, the value is halved. When a negative value is selected, it is set to a positive value.		
		rotate				5	CC	B4	45	2D	LSB				98(0x62)-127(0x7F), 1(0x01)-30(0x1E)		
14	LEVEL DEPTH	rotate				5	CC	B4	91	5B	hh				Transfer count value difference from previous operation (x1~x30). If it is x30 or more, it is set to x30.		
15	BEAT EFFECT ON/OFF	press				5	CC	B4	114	72	hh				0x0000-127(0x7F) Left (min): 0x0000, Right (max): 127(0x7F)		
16	COLOR	Deck 1	rotate				5	CC	B4	5	5	hh				0x0000-127(0x7F) Left (LOW): 0x0000, Right (HI): 127(0x7F)	
			rotate				5	CC	B4	10	A	hh				0x0000-127(0x7F) Left (LOW): 0x0000, Right (HI): 127(0x7F)	
			rotate				5	CC	B4	22	16	hh				0x0000-127(0x7F) Left (LOW): 0x0000, Right (HI): 127(0x7F)	
			rotate				5	CC	B4	83	53	hh				0x0000-127(0x7F) Left (LOW): 0x0000, Right (HI): 127(0x7F)	
17	PARAMETER	Deck 4	rotate				5	CC	B4	108	6C	hh				0x0000-127(0x7F) Left (Min): 0x0000, Right (Max): 127(0x7F)	
			press				5	CC	B4	105	69	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	107	6B	hh				OFF=0x00, ON=127(0x7F)	
			press				5	CC	B4	106	6A	hh				OFF=0x00, ON=127(0x7F)	
18	SWEEP	press				5	CC	B4	85	55	hh				OFF=0x00, ON=127(0x7F)		
19	NOISE	press				5	CC	B4	86	56	hh				OFF=0x00, ON=127(0x7F)		
20	CRUSH	press				5	CC	B4	87	57	hh				OFF=0x00, ON=127(0x7F)		
21	FILTER	press				5	CC	B4	87	57	hh				OFF=0x00, ON=127(0x7F)		

Group	Fig.	User Interface				MIDI assign reference		MIDI-IN (to computer)			MIDI-OUT (from computer)			Details (Data2)	
		UI name	Trigger	Mode	+SHIFT	MIDI Channel (Dec)	NOTE / CC	Status (hex)	Data1 (Dec)	Data1 (hex)	Data 2 (hex)	Status (hex)	Data 1 (hex)		Data 2 (hex)
3. MIXER	1	CROSSFADER	slide			5	CC B4	11	B	hh				000000-127000F Left end: 000000, Right end: 127000F	
	2	CH FADER	Deck 1	slide		5	CC B4	17	11	hh				000000-127000F Lower end: 000000, Upper end: 127000F	
			Deck 2	slide		5	CC B4	18	12	hh				000000-127000F Lower end: 000000, Upper end: 127000F	
			Deck 3	slide		5	CC B4	19	13	hh				000000-127000F Lower end: 000000, Upper end: 127000F	
			Deck 4	slide		5	CC B4	20	14	hh				000000-127000F Lower end: 000000, Upper end: 127000F	
	3	CROSSFADER ASSIGN CH 1	A	slide		5	CC B4	65	41	0					
			THRU							7F					
			B							40					
			THRU							7F					
		CROSSFADER ASSIGN CH 2	A	slide		5	CC B4	66	42	40					
			THRU							7F					
			B							40					
			THRU							7F					
		CROSSFADER ASSIGN CH 3	A	slide		5	CC B4	67	43	40					
			THRU							7F					
			B							40					
			THRU							7F					
	CROSSFADER ASSIGN CH 4	A	slide		5	CC B4	68	44	40						
		THRU							7F						
		B							40						
		THRU							7F						
	4	INPUT SELECT SWITCH (CH3)	Computer	slide		5	NOTE 94		61	3D	hh				OFF=000000, ON=127000F
			LINE						59	3B	hh				OFF=000000, ON=127000F
			PHONO						60	3C	hh				OFF=000000, ON=127000F
		INPUT SELECT SWITCH (CH4)	Computer			5	NOTE 94		65	41	hh				OFF=000000, ON=127000F
			LINE						63	3F	hh				OFF=000000, ON=127000F
			PHONO						64	40	hh				OFF=000000, ON=127000F
	5	TRIM	Deck 1	rotate		5	CC B4	1	1	hh					000000-127000F Left (-=): 000000, Right (+9): 127000F
			Deck 2	rotate		5	CC B4	6	6	hh					000000-127000F Left (-=): 000000, Right (+9): 127000F
			Deck 3	rotate		5	CC B4	12	C	hh					000000-127000F Left (-=): 000000, Right (+9): 127000F
			Deck 4	rotate		5	CC B4	80	50	hh					000000-127000F Left (-=): 000000, Right (+9): 127000F
	6	EQ HIGH	Deck 1	rotate		5	CC B4	2	2	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 2	rotate		5	CC B4	7	7	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 3	rotate		5	CC B4	14	E	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 4	rotate		5	CC B4	81	51	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	7	EQ MID	Deck 1	rotate		5	CC B4	3	3	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 2	rotate		5	CC B4	8	8	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 3	rotate		5	CC B4	15	F	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 4	rotate		5	CC B4	92	5C	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	8	EQ LOW	Deck 1	rotate		5	CC B4	4	4	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 2	rotate		5	CC B4	9	9	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 3	rotate		5	CC B4	21	15	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 4	rotate		5	CC B4	82	52	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	9	HEADPHONES MIXING	rotate			5	CC B4	27	1B	hh					000000-127000F Left (CUE): 000000, Right (MASTER): 127000F
	10	HEADPHONES LEVEL	rotate			5	CC B4	28	1A	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
			Deck 1	press		5	CC B4	70	46	hh					000000-127000F Left (-=): 000000, Right (0): 127000F
			Deck 2	press		5	CC B4	71	47	hh					OFF=000000, ON=127000F
			Deck 3	press		5	CC B4	72	48	hh					OFF=000000, ON=127000F
			Deck 4	press		5	CC B4	73	49	hh					OFF=000000, ON=127000F
	11	CH CUE (Headphone)	press			5	CC B4	74	4A	hh					OFF=000000, ON=127000F
	12	MASTER CUE (Headphone)	press			5	CC B4	74	4A	hh					OFF=000000, ON=127000F
	13	MASTER LEVEL	rotate			5	CC B4	24	18	hh					000000-127000F Left (-=): 000000, Right (0): 127000F
	14	MASTER EQ LOW	rotate			5	CC B4	49	31	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	15	MASTER EQ MID	rotate			5	CC B4	48	30	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	16	MASTER EQ HI	rotate			5	CC B4	47	2F	hh					000000-127000F Left (-26): 000000, Right (+6): 127000F
	17	BOOTH MONITOR LEVEL	rotate			5	CC B4	25	19	hh					000000-127000F Left (-=): 000000, Right (0): 127000F
	18	CH LEVEL METER													(Hardware Control)
	19	MASTER LEVEL METER													(Hardware Control)
	20	MASTER CLIP INDICATOR													(Hardware Control)
	21	MIC 1 SWITCH	OFF	slide											(Hardware Control)
ON												(Hardware Control)			
MIC 2 SWITCH		OFF												(Hardware Control)	
		ON												(Hardware Control)	
22	MIC 1 CLIP INDICATOR													(Hardware Control)	
											(Hardware Control)				
	MIC 2 CLIP INDICATOR													(Hardware Control)	
														(Hardware Control)	
23	MIC 1 SIGNAL INDICATOR													(Hardware Control)	
											(Hardware Control)				
	MIC 2 SIGNAL INDICATOR													(Hardware Control)	
														(Hardware Control)	
24	MIC 1 LEVEL	rotate												(Hardware Control)	
		rotate										(Hardware Control)			
	MIC 2 LEVEL	rotate			5	CC B4	31	1F	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
		rotate			5	CC B4	97	61	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
25	MIC 2 EQ LOW	rotate			5	CC B4	98	61	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
		rotate			5	CC B4	98	62	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
	MIC 2 EQ MID	rotate			5	CC B4	99	63	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
		rotate			5	CC B4	30	1E	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
26	MIC 2 EQ HI	rotate			5	CC B4	96	60	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
		rotate			5	CC B4	96	60	hh					000000-127000F Left (-12): 000000, Right (+12): 127000F	
	MIC FEEDBACK REDUCER SETTING MODE	LIGHT													
		HEAVY													
29	MIC FEEDBACK REDUCER ON/OFF	press			5	CC B4	89	59	hh					OFF=000000, ON=127000F	
30	TALKOVER	press												(Hardware Control)	
31	AUX SELECT	OFF	slide											OFF=000000, ON=127000F	
		LINE										OFF=000000, ON=127000F			
		PORTABLE										OFF=000000, ON=127000F			
32	AUX TRIM	rotate			5	CC B4	122	7A	hh					000000-127000F Left end: 000000, Right end: 127000F	
4. BROWSER	1	ROTARY SELECTOR	rotate			1	CC B0	79	4F	hh					Count value difference from previous operation Turn clockwise: 1-30(0x01-0x1E) Turn counterclockwise: 127-98(0x7F-0x62)
			press		+SHIFT	1	NOTE 90	51	33	hh					OFF=000000, ON=127000F
			press		+SHIFT	1	NOTE 90	97	61	hh					OFF=000000, ON=127000F
			press		1	NOTE 90	50	32	hh					OFF=000000, ON=127000F	
	2	BACK	press		+SHIFT	1	NOTE 90	95	5F	hh					OFF=000000, ON=127000F
			press			1	NOTE 90	48	30	hh					OFF=000000, ON=127000F
	3	TAG TRACK/REMOVE	press		+SHIFT	1	NOTE 90	98	62	hh					OFF=000000, ON=127000F
			press			1	NOTE 90	49	31	hh					OFF=000000, ON=127000F
	4	TRACK FILTER	press		+SHIFT	1	NOTE 90	93	5D	hh					OFF=000000, ON=127000F
			press												(Hardware Control)
	5	SHORT CUT	press												OFF=000000, ON=127000F
	6	TIME MODE	press			1	NOTE 90	14	E	hh					OFF=000000, ON=127000F
			Long		1	NOTE 90	15	F	hh						OFF=000000, ON=127000F
	7	DECK QUANTIZE	press			1	NOTE 90	9	9	hh				<- same as MIDI IN	OFF=000000, ON=127000F
	8	DECK SELECT (SHORT CUT)	press			1/2/3/4	CC Bn	102	66	hh					OFF=000000, ON=127000F
	9	rekordBox	press												(Hardware Control)
10	LINK	press												(Hardware Control)	
11	USB 1	press												(Hardware Control)	
12	USB 2	press												(Hardware Control)	
13	BROWSE	press												(Hardware Control)	
14	TAG LIST	press												(Hardware Control)	
15	INFO	press												(Hardware Control)	
16	MENU	press												(Hardware Control)	

Group	Fig	User Interface				MIDI assign reference		MIDI-IN (to computer)				MIDI-OUT (from computer)				Details (Data2)
		UI name	Trigger	Mode	+SHIFT	MIDI Channel (Dec)	NOTE / CC	Status (Hex)	Data 1		Data 2 (Hex)	Status (Hex)	Data 1		Data 2	
									(Dec)	(Hex)			(Dec)	(Hex)		
5. PERFORMANCE PADS	1[L_R]	HOT CUE EXTENSION1	press		+SHIFT	1/2/3/4	NOTE 9n	34	22	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	2[L_R]	BEAT LOOP EXTENSION2	press		+SHIFT	1/2/3/4	NOTE 9n	35	23	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	3[L_R]	SLIP LOOP EXTENSION3	press		+SHIFT	1/2/3/4	NOTE 9n	40	28	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	4[L_R]	BEAT JUMP EXTENSION4	press		+SHIFT	1/2/3/4	NOTE 9n	37	25	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	5[L_R]	Performance Pad 1	press	HOT CUE mode	+SHIFT	1/2/3/4	NOTE 9n	41	29	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	8	8	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	16	10	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	24	18	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
				SLIP LOOP mode	+SHIFT	6/7/8/9	NOTE 9n	32	20	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	40	28	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					BEAT JUMP mode	+SHIFT	6/7/8/9	NOTE 9n	48	30	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	56	38	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
				EXTENSION1 mode		+SHIFT	6/7/8/9	NOTE 9n	64	40	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	72	48	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
					EXTENSION2 mode	+SHIFT	6/7/8/9	NOTE 9n	80	50	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	88	58	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
	EXTENSION3 mode	+SHIFT	6/7/8/9	NOTE 9n		96	60	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
		+SHIFT	6/7/8/9	NOTE 9n		104	68	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
		EXTENSION4 mode	+SHIFT	6/7/8/9	NOTE 9n	112	70	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
			+SHIFT	6/7/8/9	NOTE 9n	120	78	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
	6[L_R]		Performance Pad 2	press	HOT CUE mode	+SHIFT	6/7/8/9	NOTE 9n	1	1	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	9	9	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
		+SHIFT				6/7/8/9	NOTE 9n	17	11	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
		+SHIFT				6/7/8/9	NOTE 9n	25	19	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
		SLIP LOOP mode			+SHIFT	6/7/8/9	NOTE 9n	33	21	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	41	29	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					BEAT JUMP mode	+SHIFT	6/7/8/9	NOTE 9n	49	31	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	57	39	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
		EXTENSION1 mode				+SHIFT	6/7/8/9	NOTE 9n	65	41	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	73	49	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
					EXTENSION2 mode	+SHIFT	6/7/8/9	NOTE 9n	81	51	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	89	59	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
	EXTENSION3 mode	+SHIFT	6/7/8/9	NOTE 9n		97	61	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
		+SHIFT	6/7/8/9	NOTE 9n		105	69	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
		EXTENSION4 mode	+SHIFT	6/7/8/9	NOTE 9n	113	71	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
			+SHIFT	6/7/8/9	NOTE 9n	121	79	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number					
	7[L_R]		Performance Pad 3	press	HOT CUE mode	+SHIFT	6/7/8/9	NOTE 9n	2	2	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	10	A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
		+SHIFT				6/7/8/9	NOTE 9n	18	12	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
		+SHIFT				6/7/8/9	NOTE 9n	26	1A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
		SLIP LOOP mode			+SHIFT	6/7/8/9	NOTE 9n	34	22	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	42	2A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					BEAT JUMP mode	+SHIFT	6/7/8/9	NOTE 9n	50	32	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	58	3A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
		EXTENSION1 mode				+SHIFT	6/7/8/9	NOTE 9n	66	42	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	74	4A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
					EXTENSION2 mode	+SHIFT	6/7/8/9	NOTE 9n	82	52	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
						+SHIFT	6/7/8/9	NOTE 9n	90	5A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number		
EXTENSION3 mode	+SHIFT	6/7/8/9	NOTE 9n	98		62	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
	+SHIFT	6/7/8/9	NOTE 9n	106		6A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
	EXTENSION4 mode	+SHIFT	6/7/8/9	NOTE 9n	114	72	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
		+SHIFT	6/7/8/9	NOTE 9n	122	7A	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
8[L_R]		Performance Pad 4	press	HOT CUE mode	+SHIFT	6/7/8/9	NOTE 9n	3	3	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	11	B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	+SHIFT				6/7/8/9	NOTE 9n	19	13	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number				
	+SHIFT				6/7/8/9	NOTE 9n	27	1B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number				
	SLIP LOOP mode			+SHIFT	6/7/8/9	NOTE 9n	35	23	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number				
				+SHIFT	6/7/8/9	NOTE 9n	43	2B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number				
				BEAT JUMP mode	+SHIFT	6/7/8/9	NOTE 9n	51	33	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	59	3B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
	EXTENSION1 mode				+SHIFT	6/7/8/9	NOTE 9n	67	43	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	75	4B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
				EXTENSION2 mode	+SHIFT	6/7/8/9	NOTE 9n	83	53	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
					+SHIFT	6/7/8/9	NOTE 9n	91	5B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number			
EXTENSION3 mode	+SHIFT	6/7/8/9	NOTE 9n		99	63	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
	+SHIFT	6/7/8/9	NOTE 9n		107	6B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
	EXTENSION4 mode	+SHIFT	6/7/8/9	NOTE 9n	115	73	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						
		+SHIFT	6/7/8/9	NOTE 9n	123	7B	hh	<= same as MIDI IN	OFF=00x00, ON=127(buF)	[MIDI OUT] 0(x00) : OFF(dsm),1(bd1)-127(buF) : Light up LED with specified color number						

