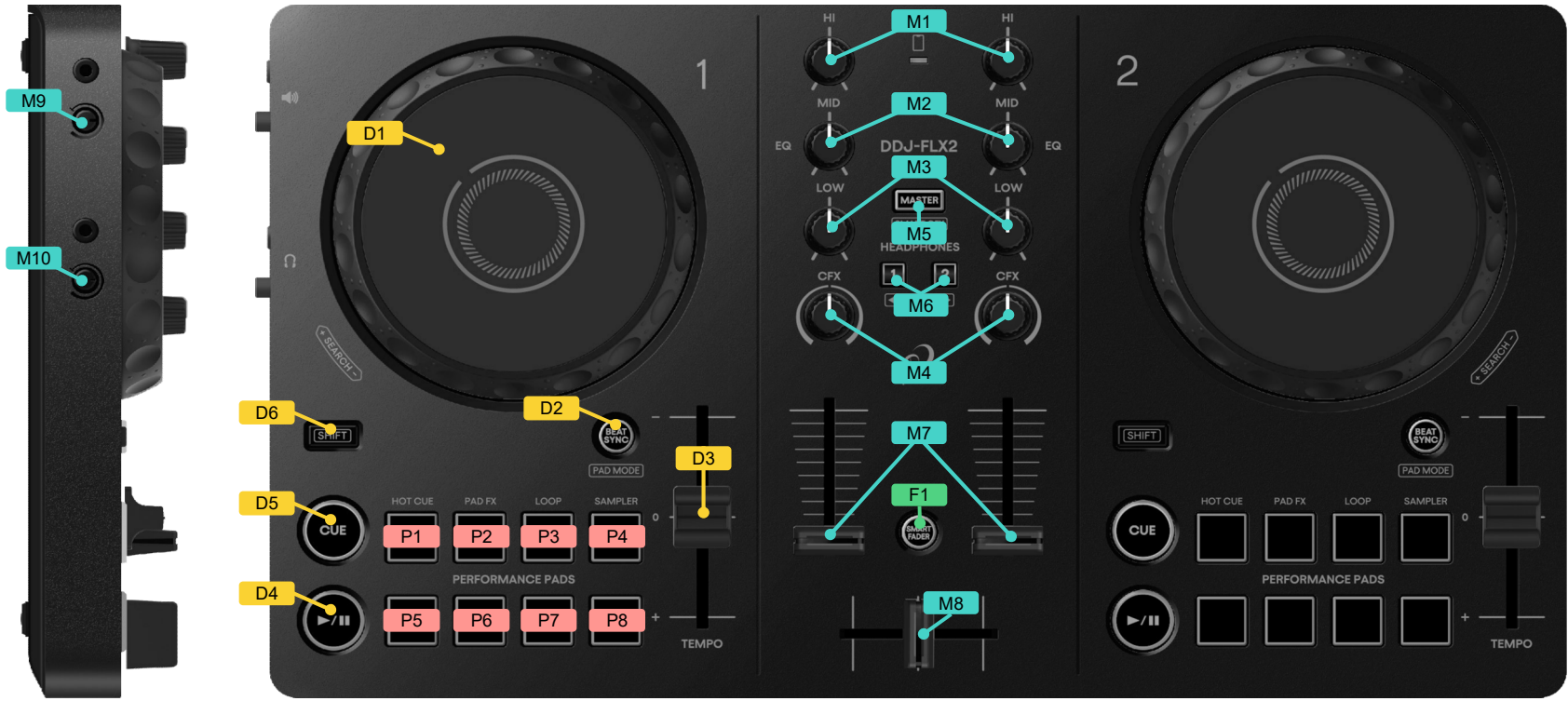


DDJ-FLX2

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)
CH 1, DECK 1 (other than PERFORMANCE PAD)	1	n=0
CH 2, DECK 2 (other than PERFORMANCE PAD)	2	n=1
(No Use)	3	n=2
(No Use)	4	n=3
(No Use)	5	m=4
(No Use)	6	m=5
Global section	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
(No Use)	12	p=B
(No Use)	13	p=C
(No Use)	14	p=D
(No Use)	15	p=E
MIDI-OUT communication	16	m=F

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)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)		
DECK	*All the MIDI data assigned on the right deck are the same as those on the left deck shown below.																
	D1	JOG (Platter)	+SHIFT	rotate	Vinyl on *2	1/2	CC	34	-	Bn	22	hh	-	-	-	Difference count value from previous operation	
					Vinyl off *2	1/2	CC	35	-	Bn	23	hh	-	-	-	Turn clockwise : Increases from 0x41	
				-	1/2	CC	41	-	Bn	29	hh	-	-	-	Turn counterclockwise : Decreases from 0x3F		
		JOG (Wheel Side)	+SHIFT	touch	-	1/2	NOTE	54	F#3	9n	36	hh	-	-	-	OFF=0x00, ON=0x7F	
					-	1/2	NOTE	103	G7	9n	67	hh	-	-	-	OFF=0x00, ON=0x7F	
			+SHIFT	rotate	-	1/2	CC	33	-	Bn	21	hh	-	-	-	Difference count value from previous operation	
		-		1/2	CC	33	-	Bn	21	hh	-	-	-	Turn counterclockwise : Decreases from 0x3F			
	D2	BEAT SYNC	+SHIFT	press	-	1/2	NOTE	88	E6	9n	58	hh	9n	58	hh	OFF=0x00, ON=0x7F	
				long press	-	1/2	NOTE	42	F#2	9n	2A	hh	9n	78	hh	OFF=0x00, ON=0x7F	
				press	-	1/2	NOTE	92	G#6	9n	5C	hh	-	-	-	OFF=0x00, ON=0x7F	
	D3	TEMPO	+SHIFT	slide	-	1/2	CC	0	-	Bn	00	MSB LSB	-	-	-	Min ("—" side) MSB: 0x00, LSB: 0x00	
					-	1/2	CC	32	-	Bn	20	MSB LSB	-	-	-	- Max ("+" side) MSB: 0x7F, LSB: 0x7F	
	D4	PLAY/PAUSE	+SHIFT	press	-	1/2	NOTE	11	B-1	9n	0B	hh	9n	0B	hh	OFF=0x00, ON=0x7F	
D5	CUE	+SHIFT	press	-	1/2	NOTE	71	B4	9n	47	hh	9n	47	hh	OFF=0x00, ON=0x7F		
D6	SHIFT	-	press	-	1/2	NOTE	12	C0	9n	0C	hh	9n	0C	hh	OFF=0x00, ON=0x7F		
EFFECT	F1	SMART FADER	+SHIFT	press	-	1/2	NOTE	72	C5	9n	48	hh	9n	48	hh	OFF=0x00, ON=0x7F	
					-	1/2	NOTE	63	D#4	9n	3F	hh	-	-	-	OFF=0x00, ON=0x7F	
MIXER	M1	EQ HI		rotate	-	7	NOTE	1	C#-1	96	01	hh	96	01	hh	OFF=0x00, ON=0x7F	
					-	7	NOTE	9	A-1	96	09	hh	96	09	hh	OFF=0x00, ON=0x7F	
	M2	EQ MID		rotate	-	1/2	CC	11	-	Bn	0B	MSB LSB	-	-	-	Min (turned fully counterclockwise) MSB: 0x00, LSB: 0x00	
					-	1/2	CC	43	-	Bn	2B	MSB LSB	-	-	-	- Max (turned fully clockwise) MSB: 0x7F, LSB: 0x7F	
	M3	EQ LOW		rotate	-	1/2	CC	15	-	Bn	0F	MSB LSB	-	-	-	Min (turned fully counterclockwise) MSB: 0x00, LSB: 0x00	
					-	1/2	CC	47	-	Bn	2F	MSB LSB	-	-	-	- Max (turned fully clockwise) MSB: 0x7F, LSB: 0x7F	
	M4	CFX (CH 1)	-	rotate	-	7	CC	23	-	B6	17	MSB LSB	-	-	-	Min (turned fully counterclockwise) MSB: 0x00, LSB: 0x00	
					-	7	CC	55	-	B6	37	MSB LSB	-	-	-	- Max (turned fully clockwise) MSB: 0x7F, LSB: 0x7F	
	M5	HEADPHONE CUE (MASTER)	+SHIFT	press	-	7	NOTE	99	D#7	96	63	hh	96	63	hh	OFF=0x00, ON=0x7F	
					-	7	NOTE	0	C-1	96	00	hh	96	00	hh	OFF=0x00, ON=0x7F	
	M6	HEADPHONE CUE (CH)	+SHIFT	press	-	1/2	NOTE	84	C6	9n	54	hh	9n	54	hh	OFF=0x00, ON=0x7F	
					-	1/2	NOTE	8	G#-1	9n	08	hh	9n	39	hh	OFF=0x00, ON=0x7F	
	M7	CH FADER		slide	-	1/2	CC	19	-	Bn	13	MSB LSB	-	-	-	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)	
					-	1/2	CC	51	-	Bn	33	MSB LSB	-	-	-	Min at bottom end, Max at top end	
				+SHIFT	slide	bottom → other than bottom	1/2	NOTE	102	F#7	9n	66	hh	-	-	-	PLAY message only for CH fader start (OFF=0x00, ON=0x7F)
						other than bottom → bottom	1/2	NOTE	93	A6	9n	5D	hh	-	-	-	SYNC message only for CH fader start (OFF=0x00, ON=0x7F)
				+SHIFT	slide	-	1/2	NOTE	82	A#5	9n	52	hh	-	-	-	CUE message only for CH fader start (OFF=0x00, ON=0x7F)
						right side → other position	1	NOTE	102	F#7	90	66	hh	-	-	-	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)
	other position → right side	1	NOTE			93	A6	90	5D	hh	-	-	-	Min at left side, Max at right side			
	left side → other position	1	NOTE			82	A#5	90	52	hh	-	-	-	PLAY message only for Crossfader start (OFF=0x00, ON=0x7F)			
M8	CROSSFADER	+SHIFT	slide	other position → right side	2	NOTE	102	F#7	91	66	hh	-	-	-	SYNC message only for Crossfader start (OFF=0x00, ON=0x7F)		
				left side → other position	2	NOTE	93	A6	91	5D	hh	-	-	-	CUE message only for Crossfader start (OFF=0x00, ON=0x7F)		
				other position → left side	2	NOTE	82	A#5	91	52	hh	-	-	-	CUE message only for Crossfader start (OFF=0x00, ON=0x7F)		
				-	2	NOTE	82	A#5	91	52	hh	-	-	-	CUE message only for Crossfader start (OFF=0x00, ON=0x7F)		
M9	MASTER LEVEL		rotate	-	7	CC	8	-	B6	08	MSB LSB	-	-	-	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)		
M10	HEADPHONES LEVEL		rotate	-	7	CC	13	-	B6	0D	MSB LSB	-	-	-	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)		

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)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
PAD	P1	PAD 1	+SHIFT	press	Pad mode 1	8/10	NOTE	0	C-1	9p	00	hh	9p	00	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	0	C-1	9p	00	hh	9p	00	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	8/10	NOTE	16	E0	9p	10	hh	9p	10	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	16	E0	9p	10	hh	9p	10	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	8/10	NOTE	96	C7	9p	60	hh	9p	60	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	96	C7	9p	60	hh	9p	60	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	8/10	NOTE	48	C3	9p	30	hh	9p	30	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	48	C3	9p	30	hh	9p	30	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode select on *3	1/2	NOTE	0	C-1	9n	00	hh	9n	00	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	1	C#-1	9p	01	hh	9p	01	hh	OFF=0x00, ON=0x7F
	P2	PAD 2	+SHIFT	press	Pad mode 1	9/11	NOTE	1	C#-1	9p	01	hh	9p	01	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	17	F0	9p	11	hh	9p	11	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	9/11	NOTE	17	F0	9p	11	hh	9p	11	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	97	C#7	9p	61	hh	9p	61	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	9/11	NOTE	97	C#7	9p	61	hh	9p	61	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	49	C#3	9p	31	hh	9p	31	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	9/11	NOTE	49	C#3	9p	31	hh	9p	31	hh	OFF=0x00, ON=0x7F
						1/2	NOTE	5	F-1	9p	05	hh	9p	05	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode select on *3	8/10	NOTE	2	D-1	9p	02	hh	9p	02	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	2	D-1	9p	02	hh	9p	02	hh	OFF=0x00, ON=0x7F
	P3	PAD 3	+SHIFT	press	Pad mode 1	8/10	NOTE	18	F#0	9p	12	hh	9p	12	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	18	F#0	9p	12	hh	9p	12	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	8/10	NOTE	98	D7	9p	62	hh	9p	62	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	98	D7	9p	62	hh	9p	62	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	8/10	NOTE	98	D7	9p	62	hh	9p	62	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	98	D7	9p	62	hh	9p	62	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	8/10	NOTE	50	D3	9p	32	hh	9p	32	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	50	D3	9p	32	hh	9p	32	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode select on *3	1/2	NOTE	1	C#-1	9p	01	hh	9p	01	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	3	D#-1	9p	03	hh	9p	03	hh	OFF=0x00, ON=0x7F
	P4	PAD 4	+SHIFT	press	Pad mode 1	9/11	NOTE	3	D#-1	9p	03	hh	9p	03	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	19	G0	9p	13	hh	9p	13	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	9/11	NOTE	19	G0	9p	13	hh	9p	13	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	99	D#7	9p	63	hh	9p	63	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	9/11	NOTE	99	D#7	9p	63	hh	9p	63	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	51	D#3	9p	33	hh	9p	33	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	9/11	NOTE	51	D#3	9p	33	hh	9p	33	hh	OFF=0x00, ON=0x7F
						1/2	NOTE	3	D#-1	9p	03	hh	9p	03	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode select on *3	8/10	NOTE	4	E-1	9p	04	hh	9p	04	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	4	E-1	9p	04	hh	9p	04	hh	OFF=0x00, ON=0x7F
	P5	PAD 5	+SHIFT	press	Pad mode 1	8/10	NOTE	20	G#0	9p	14	hh	9p	14	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	20	G#0	9p	14	hh	9p	14	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	8/10	NOTE	100	E7	9p	64	hh	9p	64	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	100	E7	9p	64	hh	9p	64	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	8/10	NOTE	100	E7	9p	64	hh	9p	64	hh	OFF=0x00, ON=0x7F
						9/11	NOTE	52	E3	9p	34	hh	9p	34	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	9/11	NOTE	52	E3	9p	34	hh	9p	34	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	5	F-1	9p	05	hh	9p	05	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 1	9/11	NOTE	5	F-1	9p	05	hh	9p	05	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	21	A0	9p	15	hh	9p	15	hh	OFF=0x00, ON=0x7F
	P6	PAD 6	+SHIFT	press	Pad mode 2	9/11	NOTE	21	A0	9p	15	hh	9p	15	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	101	F7	9p	65	hh	9p	65	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	9/11	NOTE	101	F7	9p	65	hh	9p	65	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	53	F3	9p	35	hh	9p	35	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	9/11	NOTE	53	F3	9p	35	hh	9p	35	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	6	F#-1	9p	06	hh	9p	06	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 1	9/11	NOTE	6	F#-1	9p	06	hh	9p	06	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	22	A#0	9p	16	hh	9p	16	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	9/11	NOTE	22	A#0	9p	16	hh	9p	16	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	102	F#7	9p	66	hh	9p	66	hh	OFF=0x00, ON=0x7F
	P7	PAD 7	+SHIFT	press	Pad mode 3	9/11	NOTE	102	F#7	9p	66	hh	9p	66	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	54	F#3	9p	36	hh	9p	36	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 4	9/11	NOTE	54	F#3	9p	36	hh	9p	36	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	7	G-1	9p	07	hh	9p	07	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 1	9/11	NOTE	7	G-1	9p	07	hh	9p	07	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	23	B0	9p	17	hh	9p	17	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 2	9/11	NOTE	23	B0	9p	17	hh	9p	17	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	103	G7	9p	67	hh	9p	67	hh	OFF=0x00, ON=0x7F
			+SHIFT		Pad mode 3	9/11	NOTE	103	G7	9p	67	hh	9p	67	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	55	G3	9p	37	hh	9p	37	hh	OFF=0x00, ON=0x7F
	P8	PAD 8	+SHIFT	press	Pad mode 4	9/11	NOTE	55	G3	9p	37	hh	9p	37	hh	OFF=0x00, ON=0x7F
						8/10	NOTE	55	G3	9p	37	hh	9p	37	hh	OFF=0x00, ON=0x7F

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)		Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	
Illumination Control	LOADED (DECK 1)	Track Load Illumination	16	NOTE	0	C-1	-	-	-	9F	00	7F	
	LOADED (DECK 2)		16	NOTE	1	C#-1	-	-	-	9F	01	7F	
Setting	Vinyl mode	Vinyl mode on/off *2	1/2	NOTE	23	B0	-	-	-	9n	17	hh	OFF=0x00, ON=0x7F (Default : ON)

*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.

*2 Vinyl mode can't be changed from the unit. To make changes, send MIDI-OUT messages to the unit from the DJ application.

*3 Press the [BEAT SYNC] button while holding the [SHIFT] button, Pad mode selection is enabled.