

# 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	n=0
DECK 1	1	n=0
DECK 2	2	n=1
DECK 3	3	n=2
DECK 4	4	n=3
Mixer / EFFECT	5	n=4
	DECK1	n=5
	DECK2	n=6
PERFORMANCE PADS	DECK3	n=7
	DECK4	n=8
OTHERS & JOG DISPLAY	12	n=6

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 (hex)	Data 2 (hex)	Status (hex)	Data 1 (hex)		Data 2 (hex)
1. DECK	*All the functions assigned on the right deck are the same as those on the left deck shown below.													
	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 0x3F
							+SHIFT 1/2/3/4 CC Bn 41 29 hh							OFF=0(x00), ON=127(x7F)
							-SHIFT 1/2/3/4 NOTE 9n 32 20 hh							OFF=0(x00), ON=127(x7F)
		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 0x3F
							+SHIFT 1/2/3/4 CC Bn 38 26 hh							OFF=0(x00), ON=127(x7F)
	2[L,R]	TEMPO	slide				1/2/3/4 CC Bn 0 0 MSB							0-16383 * side : 0 * side : 16383
	3[L,R]	TEMPO RESET	press				1/2/3/4 NOTE 9n 19 13 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	4[L,R]	MASTER TEMPO	press				1/2/3/4 NOTE 9n 17 11 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	5[L,R]	TEMPO RANGE	press				1/2/3/4 NOTE 9n 16 10 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	6[L,R]	SYNC	press				1/2/3/4 NOTE 9n 31 1F hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	7[L,R]	MASTER	press		Long		1/2/3/4 NOTE 9n 71 47 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	8[L,R]	JOG ADJUST	rotate				1/2/3/4 NOTE 9n 30 1E hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	9[L,R]	JOG MODE	rotate				1/2/3/4 NOTE 9n 18 12 hh							[Hardware Control]
	10[L,R]	VINYL SPEED ADJUST	rotate				1/2/3/4 CC Bn 30 1E hh							OFF=0(x00) ~ 127(x7F) Left (min): 0(x00), Right (max): 127(x7F)
	11[L,R]	TRACK SEARCH FWD	press				1/2/3/4 NOTE 9n 4 4 hh							OFF=0(x00), ON=127(x7F)
	12[L,R]	TRACK SEARCH REV	press				1/2/3/4 NOTE 9n 5 5 hh							OFF=0(x00), ON=127(x7F)
	13[L,R]	SEARCH FWD	press				1/2/3/4 NOTE 9n 2 2 hh							OFF=0(x00), ON=127(x7F)
	14[L,R]	SEARCH REV	press				1/2/3/4 NOTE 9n 3 3 hh							OFF=0(x00), ON=127(x7F)
	15[L,R]	SHIFT	press twice				1/2/3/4 NOTE 9n 63 3F hh							OFF=0(x00), ON=127(x7F)
	16[L,R]	REVERSE	press				1/2/3/4 CC Bn 102 66 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	17[L,R]	SLIP	press				1/2/3/4 NOTE 9n 33 21 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	18[L,R]	4 BEAT	press		Long		1/2/3/4 NOTE 9n 67 43 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	17[L,R]	LOOP IN	press		Long		1/2/3/4 NOTE 9n 68 44 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	18[L,R]	LOOP OUT	press		Long		1/2/3/4 NOTE 9n 69 45 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	19[L,R]	RELOOP/EXIT	press				1/2/3/4 NOTE 9n 7 7 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
	20[L,R]	CUELOOP CALL NEXT	press				1/2/3/4 NOTE 9n 8 8 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)
20[L,R]	CUELOOP CALL PREV	press				1/2/3/4 NOTE 9n 11 8 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
21[L,R]	CUELOOP DELETE	press				1/2/3/4 NOTE 9n 12 C hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
22[L,R]	CUELOOP MEMORY	press				1/2/3/4 NOTE 9n 13 D hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
23[L,R]	PLAY/PAUSE	press				1/2/3/4 NOTE 9n 10 A hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
24[L,R]	CUE	press				1/2/3/4 NOTE 9n 0 0 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
25[L,R]	JOG RING	---				1/2/3/4 NOTE 9n 1 1 hh							<- same as MIDI IN OFF=0(x00), ON=127(x7F)	
26[L,R]	LOAD	press				1/2/3/4 NOTE 9n 81 51 hh							<- same as MIDI IN OFF=0(x00) ~ 127(x7F) Left (min): 0(x00), Right (max): 127(x7F)	
27[L,R]	NEEDLE POSITION (G/U)	press				1/2/3/4 CC Bn 26 1C hh							OFF=0(x00) ~ 127(x7F) Left (min): 0(x00), Right (max): 127(x7F)	
2. EFFECT	1	X-PAD	slide	Slider Mode		5 CC B4 116 74 hh							Left end: 0(x00) ~ Right end: 127(x7F)	
			slide	Beat Mode		5 CC B4 117 75 hh							Upper Left end: 0(x00) ~ Right end: 63(x3F), Lower Left end: 64(x40) ~ Right end: 127(x7F)	
			press			5 CC B4 114 72 hh							Same as EFFECT ON / OFF	
	2	BEAT LEFT	press			5 CC B4 76 4C hh							OFF=0(x00), ON=127(x7F)	
			press			5 CC B4 77 4D hh							OFF=0(x00), ON=127(x7F)	
			press			5 CC B4 69 45 hh							OFF=0(x00), ON=127(x7F)	
	3	TAP	press			5 CC B4 78 4E hh							OFF=0(x00), ON=127(x7F)	
			press			5 NOTE 94 118 76 hh							OFF=0(x00), ON=127(x7F)	
			press			5 CC B4 102 66 hh							OFF=0(x00), ON=127(x7F)	
	4	FREQUENCY HI	press			5 CC B4 103 67 hh							OFF=0(x00), ON=127(x7F)	
			press			5 CC B4 104 68 hh							OFF=0(x00), ON=127(x7F)	
			press			5 CC B4 42 2A hh							OFF=0(x00), ON=127(x7F)	
	5	EFFECT SELECT DELAY	rotate			5 CC B4 55 37 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 51 33 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 43 2B hh							OFF=0(x00), ON=127(x7F)	
	6	EFFECT SELECT SPIRAL	rotate			5 CC B4 54 36 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 53 35 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 59 3B hh							OFF=0(x00), ON=127(x7F)	
	7	EFFECT SELECT FLANGER	rotate			5 CC B4 50 32 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 57 39 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 63 3F hh							OFF=0(x00), ON=127(x7F)	
	8	EFFECT SELECT PHASER	rotate			5 CC B4 58 3A hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 46 2E hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 61 3D hh							OFF=0(x00), ON=127(x7F)	
	9	EFFECT SELECT VINYL BRAKE	rotate			5 CC B4 82 3E hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 39 27 hh							OFF=0(x00), ON=127(x7F)	
			rotate			5 CC B4 40 28 hh							OFF=0(x00), ON=127(x7F)	
10	EFFECT SELECT CF-A	rotate			5 CC B4 28 1C hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 29 1D hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 38 26 hh							OFF=0(x00), ON=127(x7F)		
11	EFFECT SELECT AUX	rotate			5 CC B4 32 20 hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 36 24 hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 34 22 hh							OFF=0(x00), ON=127(x7F)		
12	EFFECT SELECT CH1	rotate			5 CC B4 35 23 hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 37 25 hh							OFF=0(x00), ON=127(x7F)		
		rotate			5 CC B4 41 29 hh							OFF=0(x00), ON=127(x7F)		
13	EFFECT SELECT CH2	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								88(x62) ~ 127(x7F), 1(x01) ~ 30(x1E)	
		rotate			5 CC B4 45 2D hh								Transfer count value difference from previous operation (x1 ~ x30). If it is x30 or more, it is set to x30.	
14	LEVEL DEPTH	rotate			5 CC B4 91 5B hh								0(x00) ~ 127(x7F) Left (min): 0(x00), Right (max): 127(x7F)	
		rotate			5 CC B4 114 72 hh								OFF=0(x00), ON=127(x7F)	
		rotate			5 CC B4 5 5 hh								0(x00) ~ 127(x7F) Left (LOW): 0(x00), Right (Hi): 127(x7F)	
15	BEAT EFFECT ON/OFF	rotate			5 CC B4 10 8 hh								0(x00) ~ 127(x7F) Left (LOW): 0(x00), Right (Hi): 127(x7F)	
		rotate			5 CC B4 22 16 hh								0(x00) ~ 127(x7F) Left (LOW): 0(x00), Right (Hi): 127(x7F)	
		rotate			5 CC B4 83 53 hh								0(x00) ~ 127(x7F) Left (LOW): 0(x00), Right (Hi): 127(x7F)	
16	PARAMETER	rotate			5 CC B4 108 6C hh								0(x00) ~ 127(x7F) Left (min): 0(x00), Right (Max): 127(x7F)	
		press			5 CC B4 105 69 hh								OFF=0(x00), ON=127(x7F)	
		press			5 CC B4 107 6B hh								OFF=0(x00), ON=127(x7F)	
17	SPACE	press			5 CC B4 106 6A hh								OFF=0(x00), ON=127(x7F)	
		press			5 CC B4 85 55 hh								OFF=0(x00), ON=127(x7F)	
		press			5 CC B4 86 56 hh								OFF=0(x00), ON=127(x7F)	
18	DUB ECHO	press			5 CC B4 87 57 hh								OFF=0(x00), ON=127(x7F)	
		press			5 CC B4 86 56 hh								OFF=0(x00), ON=127(x7F)	
		press			5 CC B4 87 57 hh								OFF=0(x00), ON=127(x7F)	





Group	Fig.	User Interface				MIDI assign reference		MIDI-IN (to computer)				MIDI-OUT (from computer)			Details (Data2)						
		UI name	Trigger	Mode	+SHIFT	MIDI Channel (Oct)	NOTE / SC	Status (hex)	Data1 (hex)		Data 2 (hex)	Status (hex)	Data 1 (hex)	Data 2 (hex)							
									Dec	Hex											
5. PERFORMANCE PADS	9[L,R]	Performance Pad 5	press	HOT CUE mode		6/7/8/9	NOTE	9n	4	4	hh	<= same as MIDI IN			OFF=0x040, ON=127(0x7F) [MIDI OUT] 0x040 : OFF(dm),1(0x01)-127(0x7F) : Light up LED with specified color number						
				+SHIFT	6/7/8/9	NOTE	9n	12	C	hh	<= same as MIDI IN										
					6/7/8/9	NOTE	9n	20	14	hh	<= same as MIDI IN										
				+SHIFT	6/7/8/9	NOTE	9n	28	1C	hh	<= same as MIDI IN										
				SLOOP mode		6/7/8/9	NOTE	9n	36	24	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	44	2C	hh	<= same as MIDI IN										
				BEAT JUMP mode		6/7/8/9	NOTE	9n	52	34	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	60	3C	hh	<= same as MIDI IN										
				EXTENSION1 mode		6/7/8/9	NOTE	9n	68	44	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	76	4C	hh	<= same as MIDI IN										
				EXTENSION2 mode		6/7/8/9	NOTE	9n	84	54	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	92	5C	hh	<= same as MIDI IN										
	EXTENSION3 mode		6/7/8/9	NOTE	9n	100	64	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	108	6C	hh	<= same as MIDI IN													
	EXTENSION4 mode		6/7/8/9	NOTE	9n	116	74	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	124	7C	hh	<= same as MIDI IN													
	10[L,R]	Performance Pad 6	press	HOT CUE mode		6/7/8/9	NOTE	9n	5	5	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	13	D	hh	<= same as MIDI IN										
				BEAT LOOP mode		6/7/8/9	NOTE	9n	21	15	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	29	1D	hh	<= same as MIDI IN										
				SLOOP mode		6/7/8/9	NOTE	9n	37	25	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	45	2D	hh	<= same as MIDI IN										
				BEAT JUMP mode		6/7/8/9	NOTE	9n	53	35	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	61	3D	hh	<= same as MIDI IN										
				EXTENSION1 mode		6/7/8/9	NOTE	9n	69	45	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	77	4D	hh	<= same as MIDI IN										
				EXTENSION2 mode		6/7/8/9	NOTE	9n	85	55	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	93	5D	hh	<= same as MIDI IN										
	EXTENSION3 mode		6/7/8/9	NOTE	9n	101	65	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	109	6D	hh	<= same as MIDI IN													
	EXTENSION4 mode		6/7/8/9	NOTE	9n	117	75	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	125	7D	hh	<= same as MIDI IN													
	11[L,R]	Performance Pad 7	press	HOT CUE mode		6/7/8/9	NOTE	9n	6	6	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	14	E	hh	<= same as MIDI IN										
				BEAT LOOP mode		6/7/8/9	NOTE	9n	22	16	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	30	1E	hh	<= same as MIDI IN										
				SLOOP mode		6/7/8/9	NOTE	9n	38	26	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	46	2E	hh	<= same as MIDI IN										
				BEAT JUMP mode		6/7/8/9	NOTE	9n	54	36	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	62	3E	hh	<= same as MIDI IN										
				EXTENSION1 mode		6/7/8/9	NOTE	9n	70	46	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	78	4E	hh	<= same as MIDI IN										
				EXTENSION2 mode		6/7/8/9	NOTE	9n	86	56	hh	<= same as MIDI IN									
				+SHIFT	6/7/8/9	NOTE	9n	94	5E	hh	<= same as MIDI IN										
	EXTENSION3 mode		6/7/8/9	NOTE	9n	102	66	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	110	6E	hh	<= same as MIDI IN													
	EXTENSION4 mode		6/7/8/9	NOTE	9n	118	76	hh	<= same as MIDI IN												
	+SHIFT	6/7/8/9	NOTE	9n	126	7E	hh	<= same as MIDI IN													
12[L,R]	Performance Pad 8	press	HOT CUE mode		6/7/8/9	NOTE	9n	7	7	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	15	F	hh	<= same as MIDI IN											
			BEAT LOOP mode		6/7/8/9	NOTE	9n	23	17	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	31	1F	hh	<= same as MIDI IN											
			SLOOP mode		6/7/8/9	NOTE	9n	39	27	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	47	2F	hh	<= same as MIDI IN											
			BEAT JUMP mode		6/7/8/9	NOTE	9n	55	37	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	63	3F	hh	<= same as MIDI IN											
			EXTENSION1 mode		6/7/8/9	NOTE	9n	71	47	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	79	4F	hh	<= same as MIDI IN											
			EXTENSION2 mode		6/7/8/9	NOTE	9n	87	57	hh	<= same as MIDI IN										
			+SHIFT	6/7/8/9	NOTE	9n	95	5F	hh	<= same as MIDI IN											
EXTENSION3 mode		6/7/8/9	NOTE	9n	103	67	hh	<= same as MIDI IN													
+SHIFT	6/7/8/9	NOTE	9n	111	6F	hh	<= same as MIDI IN														
EXTENSION4 mode		6/7/8/9	NOTE	9n	119	77	hh	<= same as MIDI IN													
+SHIFT	6/7/8/9	NOTE	9n	127	7F	hh	<= same as MIDI IN														
6. OTHERS	1	USB STOP (USB 1)	press																		
	2	USB indicator (USB 1)																			
	3	USB STOP (USB 2)	press																		
	4	USB indicator (USB 2)																			
	5	MASTER REC	press																		
	6	TRACK MARKER	press																		
	-	PC Control mode				1/2/3/4	CC	Bn	100	64	hh										
-	Load	Deck 1	Trigger for LOAD Illumination (Blinking LOAD button)		12	NOTE						9B	0	hh	OFF=0x040, ON=127(0x7F) [MIDI OUT] 0x040 : OFF(dm),1(0x01)-127(0x7F) : Light up LED with specified color number						
		Deck 2		12	NOTE																
		Deck 3		12	NOTE																
		Deck 4		12	NOTE																
7. JOG DISPLAY	1[L,R]	Current Position Bar		Deck 1	12	CC						BB	0	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree]						
				Deck 2	12	CC							BB	1	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree]					
				Deck 3	12	CC							BB	2	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree]					
				Deck 4	12	CC							BB	3	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree]					
	2[L,R]	Cue Marker			Deck 1	12	CC						BB	4	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree] Hide Cue maker: (MSB: 0x7F, LSB: 0x7F)					
					Deck 2	12	CC						BB	5	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree] Hide Cue maker: (MSB: 0x7F, LSB: 0x7F)					
					Deck 3	12	CC							BB	6	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree] Hide Cue maker: (MSB: 0x7F, LSB: 0x7F)				
					Deck 4	12	CC							BB	7	MSB	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x02, LSB: 0x67) 0 ~ 359 [degree] Hide Cue maker: (MSB: 0x7F, LSB: 0x7F)				