DDJ-400

List of MIDI messages version 1.00



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

Channel Category	MIDI Channel	Channel No. (Hex)
DECK 1 (other than PERFORMANCE PAD)	1	n=0
DECK 2 (other than PERFORMANCE PAD)	2	n=1
EFFECT	5	4
BROWSER	7	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
MIDI OUT	16	15

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.

			User I	nterface		MIDI assign reference 1					MIDI-IN compute		MIDI-OUT (from computer)	
Group	Fig.	UI name	+SHIFT	Trigger	Condition	MIDI Channel	NOTE MIDI Data (Data 1)		Status	Data 1	Data 2	Status Data 1 Dat		
		Offiame	+onir i	rrigger	(mode)	(Dec)	/cc	(Dec)	(English scale)	(Hex)	(Hex)	(Hex)	(Hex) (Hex) (He	x)
ROWSER						7	cc	64	-	B6	40	hh		Difference count value from previous operated
	B1	Rotary Selector	+SHIFT	rotate		7	СС	100	-	B6	64	hh		Turn clockwise : 1 ~ 30 (0x01 ~ 0x1E) Turn counterclockwise : 127 ~ 98 (0x7F ~ 0x62)
		Colocio		press	-	7	NOTE	65	F4	96	41	hh		OFF=0x00, ON=0x7F
			+SHIFT	proop		7	NOTE	66	F#4	96	42	hh		OFF=0x00, ON=0x7F
	B2-L	LOAD	01.000	press		7	NOTE	70	A#4	96	46	hh		OFF=0x00, ON=0x7F
			+SHIFT	·		7	NOTE	104	G#7	96	68	hh		OFF=0x00, ON=0x7F
	B2-R	LOAD	+SHIFT	press		7	NOTE	71 122	B4 D9	96 96	47 7A	hh hh		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
-01/			+SHIF I										1 October MIDLIN	
ECK	D1-L D1-R	PLAY/PAUSE	+SHIFT	press		1/2	NOTE	71	B-1 B4	9n 9n	0B 47	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIF I			1/2	NOTE	12	C0	9n	0C	hh	← Same as MIDI-IN	
	D2-L D2-R	CUE	+SHIFT	press		1/2	NOTE	72	C5	9n 9n	48	nn hh	← Same as MIDI-IN	
			1011111		Vinyl mode On (*1)	1/2	CC	34	-	Bn	22	hh		
				rotate	Vinvl mode Off (*1)	1/2	CC	35	-	Bn	23	hh		Difference count value from previous operated
		JOG DIAL (Platter)	+SHIFT		, , , , , ,	1/2	CC	41	-	Bn	29	hh		Turn clockwise : Increases from 65 (0x41) Turn counterclockwise : Decreases from 63 (0x3F)
		(Flatter)				1/2	NOTE	54	F#3	9n	36	hh		Turii counterclockwise . Decreases from 63 (0x3F)
	D3-L D3-R		+SHIFT	touch		1/2	NOTE	103	G7	9n	67	hh		OFF=0x00, ON=0x7F
	5010	JOG DIAL				1/2	cc	33	-	Bn	21	hh		Difference count value from previous operated
		(Wheel side)	+SHIFT	rotate		1/2	СС	33	-	Bn	21	hh		Turn clockwise : Increases from 65 (0x41) Turn counterclockwise : Decreases from 63 (0x3F)
						1/2	СС	0	_	Bn	00	MSB		Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)
	D4-L	TEMPO		slide		1/2	CC	32	_	DII	20	LSB		"-" side : Min (MSB:0x00 LSB:0x00)
	D4-R	12 0	+SHIFT	unde		1/2	cc	0 32	_	Bn	00 20	MSB LSB		"+" side : Max (MSB:0x7F LSB:0x7F)
	_					1/2	NOTE	88	E6	9n	58	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F (*2)
	D5-L	BEAT SYNC	LONG	press		1/2	NOTE	92	G#6	9n	5C	hh	Same as wilding	OFF=0x00, ON=0x7F (*2)
	D5-R	DEM OTHO	+SHIFT	produ		1/2	NOTE	96	C7	9n	60	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F (*2)
			+51 III 1			1/2	NOTE	16	E0	9n	10	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	D6-L	LOOP IN/4BEAT	LONG	press		1/2	NOTE	20	G#0	9n	14	7F		
	D6-R		+SHIFT	· ·		1/2	NOTE	76	E5	9n	4C	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	D7-L	LOOP OUT		press		1/2	NOTE	17	F0	9n	11	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	D7-R	2001 001	+SHIFT	piess		1/2	NOTE	78	F#5	9n	4E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	D8-L	RELOOP/EXIT		press		1/2	NOTE	77	F5	9n	4D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	D8-R		+SHIFT			1/2	NOTE	80	G#5	9n	50	hh	← Same as MIDI-IN	
	D9-L D9-R	CUE/LOOP CALL	O. HERE	press		1/2	NOTE	81	A5	9n	51	hh		OFF=0x00, ON=0x7F
			+SHIFT			1/2	NOTE	62	D4	9n	3E	hh		OFF=0x00, ON=0x7F
	D10-L D10-R	CUE/LOOP CALL	+SHIFT	press		1/2	NOTE	83 61	B5 C#4	9n 9n	53 3D	hh hh		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+onif I			1/2	NOTE	01	U#4	911		1111		OTT -0000, ON=007F
	D11-L D11-R	SHIFT		press		1/2	NOTE	63	D#4	9n	3F	hh		OFF=0x00, ON=0x7F

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	User Interface				N	MIDI-IN (to computer)			(fro	MIDI-OU	ter)					
Group	Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel (Dec)	NOTE /CC	MIDI Dat	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)		Data 2 (Hex)	Details (Data 2)
MIXER	M1	CROSSFADER		slide		7	СС	31 63	-	B6	1F 3F	MSB LSB				Min (MSB : 0x00, LSB : 0x00) \sim Max (MSB : 0x7F, LSB : 0x7F) Min at left side, Max at right side
	M2-1 M2-2	CH FADER		slide		1/2	СС	19 51	-	Bn	13 33	MSB LSB			\angle	Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) Min at bottom end, Max at top end
	M1 M2-1	CROSSFADER / CH FADER	+SHIFT	slide	Zero → not Zero	1/2	NOTE	102	F#7	9n	66	7F		\angle	\angle	PLAY message only for fader start OFF=0x00, ON=0x7F
	M2-2	(Fader Start)	+SHIFT		Not Zero → Zero	1/2	NOTE	82	A#5	9n	52	7F				CUE message only for fader start OFF=0x00, ON=0x7F
	M3-1 M3-2	TRIM		rotate		1/2	СС	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	EQ HI		rotate		1/2	СС	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	EQ MID		rotate		1/2	СС	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	EQ LOW		rotate		1/2	СС	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	CH CUE (Headphone)	+SHIFT	press		1/2	NOTE	84 104	C6 G#7	9n 9n	54 68	hh hh		ame as M		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	M8	MASTER LEVEL	1011111	rotate		7	СС	8 40	-	B6	08 28	MSB LSB	/			Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F) When turned fully counterclockwise: Min
	M9	MASTER CUE		press		7	NOTE	99	D#7	96	63	hh	←Si	ame as M	IDI-IN	When turned fully clockwise : Max OFF=0x00, ON=0x7F LED embedded in the button lights up when it is pressed
	M10	HEADPHONES	+SHIFT	rotate		7	NOTE	120 12	C9	96 B6	78 0C	hh MSB	← Si	ame as M	IDI-IN	OFF=0x00, ON=0x7F
	MIU	MIXING		rotate		,	cc	44	_	86	2C 0D	LSB	/	_	_	When turned fully counterclockwise: Min When turned fully clockwise: Max Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)
	M11 M12-1	HEADPHONES LEVEL CHANNEL LEVEL		rotate		7	cc	13 45	-	B6	2D	MSB LSB	\angle			When turned fully counterclockwise : Min When turned fully clockwise : Max
EFFECT	M12-2	METER		-		1/2	CC	2	-		\angle	_	Bn	02	hh	Min (MSB: 0x00, LSB: 0x00) ~ Max (MSB: 0x7F, LSB: 0x7F)
	F1-1	FILTER (CH1)		rotate		7	СС	23 55	-	В6	17 37	MSB LSB		\angle	\angle	When turned fully counterclockwise : Min When turned fully clockwise : Max
	F1-2	FILTER (CH2)		rotate		7	сс	24 56	-	B6	18 38	MSB LSB				Mlin (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F) When turned fully counterclockwise : Min When turned fully clockwise : Max
	F2	BEAT ◀	+SHIFT	press		5 5	NOTE NOTE	74 102	D5 F#7	94 94	4A 66	hh hh				OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	F3	BEAT ▶	+SHIFT	press		5 5	NOTE NOTE	75 107	D#5 B7	94 94	4B 6B	hh hh				OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	F4	BEAT FX SELECT	+SHIFT	press		5	NOTE	99 100	D#7 E7	94 94	63 64	hh hh				OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	F5	BEAT FX CH SELECT		slide	CH 1 CH 2	5 5	NOTE NOTE	16 17	E0 F0	94 94	10 11	hh hh	=	\leq	\leq	OFF=0x00, ON=0x7F (*3) OFF=0x00, ON=0x7F (*3)
		BEAT FX			MASTER	5	NOTE	20	G#0	94	14 02	hh MSB			-	OFF=0x00, ON=0x7F (*3) Min (MSB : 0x00, LSB : 0x00) ~ Max (MSB : 0x7F, LSB : 0x7F)
	F6	LEVEL/DEPTH BEAT FX		rotate		5	CC	34 71	B4	B4 94	22 47	LSB	/_	ame as M	DLIN	When turned fully counterclockwise : Min When turned fully clockwise : Max OFF=0x00, ON=0x7F (*4)
PAD	F7	ON/OFF	+SHIFT	press		5 8/10	NOTE	67	G4 C-1	94 9p	43	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F (*4) OFF=0x00, ON=0x7F
			+SHIFT	press	HOT CUE mode	9/11	NOTE	0 96	C-1 C7	9p 9p	00 00 60	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT LOOP mode	9/11	NOTE	96 32	C7 C7	9p 9p	60 60 20	hh	← Si	ame as M ame as M	IDI-IN	OFF=0XXU, ON=0X7F OFF=0X00, ON=0X7F OFF=0X00, ON=0X7F
		PAD 1	+SHIFT	press	BEAT JUMP mode	9/11	NOTE	32 48	G#1 C3	9p 9p	20 30	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P1-L P1-R		+SHIFT	press	SAMPLER mode KEYBOARD mode	9/11	NOTE	48 64	C3 E4	9p 9p	30 40	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	(*6)	9/11	NOTE	64	E4 E0	9p 9p	40 10	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	PAD FX mode 1 (*7) PAD FX mode 2	9/11	NOTE	16 80	E0 G#5	9р	10	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0XX0, ON=0X7F OFF=0XX0, ON=0X7F OFF=0XX0, ON=0X7F
			+SHIFT	press	(*8)	9/11	NOTE	80	G#5	9p 9p	50	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	press	KEY SHIFT mode (*9)	9/11	NOTE	112 112	E8 E8	9p 9p	70 70	hh	← Si	ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	HOT CUE mode	8/10 9/11	NOTE	1	C#-1	9p 9p	01 01	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT LOOP mode	8/10 9/11	NOTE	97 97	C#7	9p 9p	61 61	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT JUMP mode	8/10 9/11	NOTE	33 33	A1 A1	9p 9p	21 21	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P2-L	PAD 2	+SHIFT	press	SAMPLER mode	8/10 9/11	NOTE	49 49	C#3	9p 9p	31 31	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P2-R	17.52	+SHIFT	press	KEYBOARD mode (*6)	8/10 9/11	NOTE NOTE	65 65	F4	9p 9p	41 41	hh hh		ame as M ame as M		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	PAD FX mode 1 (*7)	8/10 9/11	NOTE NOTE	17 17	F0 F0	9p 9p	11 11	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	PAD FX mode 2 (*8)	8/10 9/11	NOTE NOTE	81 81	A5 A5	9p 9p	51 51	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	KEY SHIFT mode (*9)	8/10 9/11	NOTE	113 113	F8	9p 9p	71 71	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	HOT CUE mode	8/10 9/11	NOTE NOTE	2	D-1 D-1	9p 9p	02 02	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT LOOP mode	8/10 9/11	NOTE	98 98	D7 D7	9p 9p	62 62	hh hh	← Si	ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT JUMP mode	8/10 9/11	NOTE	34 34	A#1 A#1	9p 9p	22	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P3-L		+SHIFT	press	SAMPLER mode	8/10 9/11	NOTE	50 50	D3 D3	9p 9p	32 32	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P3-R	PAD 3	+SHIFT	press	KEYBOARD mode (*6)	8/10 9/11	NOTE		F#4 F#4	9p 9p	42 42	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	PAD FX mode 1 (*7)	8/10 9/11	NOTE	18	F#0	9p	12	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F
			,	press	PAD FX mode 2 (*8)	9/11 8/10 9/11	NOTE		F#0 A#5	9p 9p	52	hh	← Si	ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	KEY SHIFT mode	8/10	NOTE	82 114	A#5 F#8	9p 9p	72 72	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	press	(*9) HOT CUE mode	9/11 8/10	NOTE	114 3	F#8 D#-1	9p 9p	72 03	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT LOOP mode	9/11 8/10	NOTE	3 99	D#-1 D#7	9p 9p	03 63	hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	BEAT JUMP mode	9/11 8/10	NOTE NOTE	99 35	D#7 B1	9p 9p	63 23	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	SAMPLER mode	9/11 8/10	NOTE	35 51	B1 D#3	9p 9p	23 33	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
	P4-L P4-R	PAD 4	+SHIFT		KEYBOARD mode	9/11 8/10	NOTE	51 67	D#3 G4	9p 9p	33 43	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	(*6) PAD FX mode 1	9/11 8/10	NOTE NOTE	67 19	G4 G0	9p 9p	43 13	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	(*7) PAD FX mode 2	9/11 8/10	NOTE NOTE	19 83	G0 B5	9p 9p	13 53	hh hh	← Si	ame as M ame as M	IDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	(*8) KEY SHIFT mode	9/11 8/10	NOTE NOTE	83 115	B5 G8	9p 9p	53 73	hh hh		ame as M ame as M		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F
			+SHIFT	press	(*9)	9/11	NOTE	115	G8	9р	73	hh		ame as M		OFF=0x00, ON=0x7F

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			User I	nterface		M	MIDI assigr		e 1	MIDI-IN (to computer)		er)	MIDI-OUT (from computer)		
Group	Fig.	UI name	+SHIFT	Trigger	Condition (mode)	MIDI Channel	NOTE /CC	MIDI Dat	a (Data 1) (English	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status Data 1 Data 2 (Hex) (Hex)	Details (Data 2)	
PAD					(mode)	(Dec)		(Dec)	scale)	` ' '	(Hex)		, , , , , , , , , , , , , , , , , , , ,	OFF OVER ON OVER	
FAD			+SHIFT	press	HOT CUE mode	8/10 9/11	NOTE NOTE	4	E-1	9p 9p	04	hh hh		OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	BEAT LOOP mode	8/10 9/11	NOTE NOTE	100	E7	9p 9p	64 64	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			,	press	BEAT JUMP mode	8/10	NOTE	36	C2	9p	24	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	piess		9/11 8/10	NOTE	36 52	C2 E3	9p 9p	24 34	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
	P5-L	PAD 5	+SHIFT	press	SAMPLER mode	9/11	NOTE	52	E3	9p	34	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
	P5-R	1703	+SHIFT	press	KEYBOARD mode (*6)	8/10 9/11	NOTE NOTE	68 68	G#4 G#4	9p 9p	44 44	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	PAD FX mode 1	8/10	NOTE	20	G#0	9p	14	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT		(*7) PAD FX mode 2	9/11 8/10	NOTE	20 84	G#0 C6	9p 9p	14 54	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*8)	9/11	NOTE	84	C6	9p	54	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	KEY SHIFT mode (*9)	8/10 9/11	NOTE	116 116	G#8 G#8	9p 9p	74 74	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	HOT CUE mode	8/10	NOTE	5	F-1	9р	05	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	-		9/11 8/10	NOTE	5 101	F-1 F7	9p 9p	05 65	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	BEAT LOOP mode	9/11	NOTE	101	F7	9p	65	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	BEAT JUMP mode	8/10 9/11	NOTE	37 37	C#2	9p 9p	25 25	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	SAMPLER mode	8/10	NOTE	53	F3	9p	35	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	P6-L P6-R	PAD 6	+SHIFT		KEYBOARD mode	9/11 8/10	NOTE	53 69	F3 A4	9p 9p	35 45	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*6)	9/11	NOTE	69	A4	9p	45	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	PAD FX mode 1 (*7)	8/10 9/11	NOTE	21	A0 A0	9p 9p	15 15	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	PAD FX mode 2	8/10	NOTE	85	C#6	9p	55	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	piess	(*8) KEY SHIFT mode	9/11 8/10	NOTE	85 117	C#6 A8	9p 9p	55 75	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*9)	9/11	NOTE	117	A8	9p	75	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
		PAD 7	+SHIFT	press	HOT CUE mode	8/10 9/11	NOTE	6	F#-1	9p	06 06	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				0.000	BEAT LOOP mode	8/10	NOTE	102	F#7	9p 9p	66	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
	P7-L P7-R		+SHIFT	press	BEAT LOOP mode	9/11	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	BEAT JUMP mode	8/10 9/11	NOTE	38	D2 D2	9p 9p	26 26	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	SAMPLER mode	8/10	NOTE	54	F#3	9p	36	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT		KEYBOARD mode	9/11 8/10	NOTE	54 70	F#3 A#4	9p 9p	36 46	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*6)	9/11	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	PAD FX mode 1 (*7)	8/10 9/11	NOTE	22	A#0 A#0	9p 9p	16 16	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	PAD FX mode 2	8/10	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT		(*8) KEY SHIFT mode	9/11 8/10	NOTE	86 118	D6 A#8	9p 9p	56 76	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*9)	9/11	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	HOT CUE mode	8/10 9/11	NOTE	7	G-1	9p 9p	07 07	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	BEAT LOOP mode	8/10	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	·		9/11 8/10	NOTE	103 39	G7 D#2	9p 9p	67 27	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	BEAT JUMP mode	9/11	NOTE	39	D#2	9p	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
	P8-L		+SHIFT	press	SAMPLER mode	8/10 9/11	NOTE	55 55	G3 G3	9p 9p	37 37	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
	P8-R	PAD 8		press	KEYBOARD mode	8/10	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT		(*6) PAD FX mode 1	9/11 8/10	NOTE	71 23	B4 B0	9p 9p	47 17	hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
			+SHIFT	press	(*7)	9/11	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	press	PAD FX mode 2 (*8)	8/10 9/11	NOTE	87 87	D#6	9p 9p	57 57	hh hh	← Same as MIDI-IN ← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
				press	KEY SHIFT mode	8/10	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	p. 0000	(*9)	9/11	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F OFF=0x00, ON=0x7F	
	P9-L	HOT CUE		press		1/2	NOTE	27	D#1	9n	1B	hh	← Same as MIDI-IN	LED embedded in the button lights up when it is pressed	
	P9-R	HOT COE	+SHIFT	p. 0000		1/2	NOTE	105	A7	9n	69	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button flashes when it is pressed	
	P10-L	BEAT LOOP		press		1/2	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button lights up when it is pressed	
	P10-R		+SHIFT			1/2	NOTE	30	F#1	9n	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button flashes when it is pressed	
	P11-L	BEAT JUMP		press		1/2	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button lights up when it is pressed	
	P11-R		+SHIFT			1/2	NOTE	107	B7	9n	6B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button flashes when it is pressed	
	P12-L	SAMPER		press		1/2	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button lights up when it is pressed	
	P12-R		+SHIFT	F.555		1/2	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F LED embedded in the button flashes when it is pressed	

MIDI-OUT													
	Communication	Function	N	IIDI assig	n reference	1	(t	MIDI-IN compute			MIDI-OUT m compu		
Group	name		MIDI Channel (Dec)	NOTE / CC	MIDI Data (Dec)	(English scale)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Status (Hex)	Data 1 (Hex)	Data 2 (Hex)	Details (Data 2)
	LOADED (CH 1)		16	NOTE	0	C-1				9F	00	7F	
Illumination control	LOADED (CH 2)	Load illumination	16	NOTE	1	C#-1				9F	01	7F	
illumination control	LEVEL METER SETTING	Level meter setting	16	NOTE	75	D#5			$\overline{}$	9F	4B		CH LEVEL METER=0x00, MASTER LEVEL METER=0x7F (Default : CH LEVEL METER)
	VINYL MODE	Vinyl mode on/off (*1)	1/2	NOTE	23	B0				9n	17	hh	OFF=0x00, ON=0x7F (Default : ON)
	FADER START SETTING	Fader start setting	16	NOTE	66	F#4				9F	42	hh	Disable=0x00, Enable=0x7F (Default : Enable)
Settings	CROSSFADER REV. SETTING	Crossfader reverse on/off	16	NOTE	67	G4			$\overline{}$	9F	43	hh	OFF=0x00, ON=0x7F (Default : OFF)
	CUT LAG SETTING	Cut-lag setting for Crossfader (*5)	16	СС	65	-			$\overline{}$	BF	41	hh	0x00~0x34 (Default : 0x07)
	BACK SPIN LENGTH	Back-spin length	16	CC	69	-				BF	45		SHORT=0x00, MIDDLE=0x10, LONG=0x20 (Default : MIDDLE)

- Viryl mode can to be turned off via the DDJ-400. To turn Viryl mode off, send the following MIDI message (Dx9n, 0x17, 0x00) using any DJ application.

 Only the (BEAT SYNC) buttor: The MIDI message is sent to your PC/Mac when it is released from your finger, not pressed.

 The following MIDI messages (Dx94, 0x10, 0x7F) and (Dx94, 0x11, 0x00) are sent to your PC/Mac when the (BEAT FX CH SELECT) switch selects CH 1.

 The following MIDI messages (Dx94, 0x11, 0x7F) and (Dx94, 0x11, 0x00) (are (Dx94, 0x14, 0x00)) are sent to your PC/Mac when the (BEAT FX CH SELECT) switch selects CH 2.

 The following MIDI messages (Dx94, 0x14, 0x7F) and (Dx94, 0x11, 0x00) are sent to your PC/Mac when the (BEAT FX CH SELECT) switch selects MASTER.

 LED embedded in the [BEAT FX CNONFF) button flashes when receiving the NOTE Ox command. The LED lights up when receiving the NOTE OFF command.

 You can adjust out-lag for Crossfader by unit of approximately 0.1 mm.

 To change to the KEYBOARD mode, press the (BEAT LOOP) mode button while pressing the (SHIFT) button.

 To change to the PAD FX mode 1, press the (BEAT LOOP) mode button while pressing the (SHIFT) button.

 To change to the PAD FX mode 2, press the (BEAT LOOP) mode button while pressing the (SHIFT) button.

 To change to the PAD FX mode 2, press the (BEAT LOOP) mode button while pressing the (SHIFT) button.

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