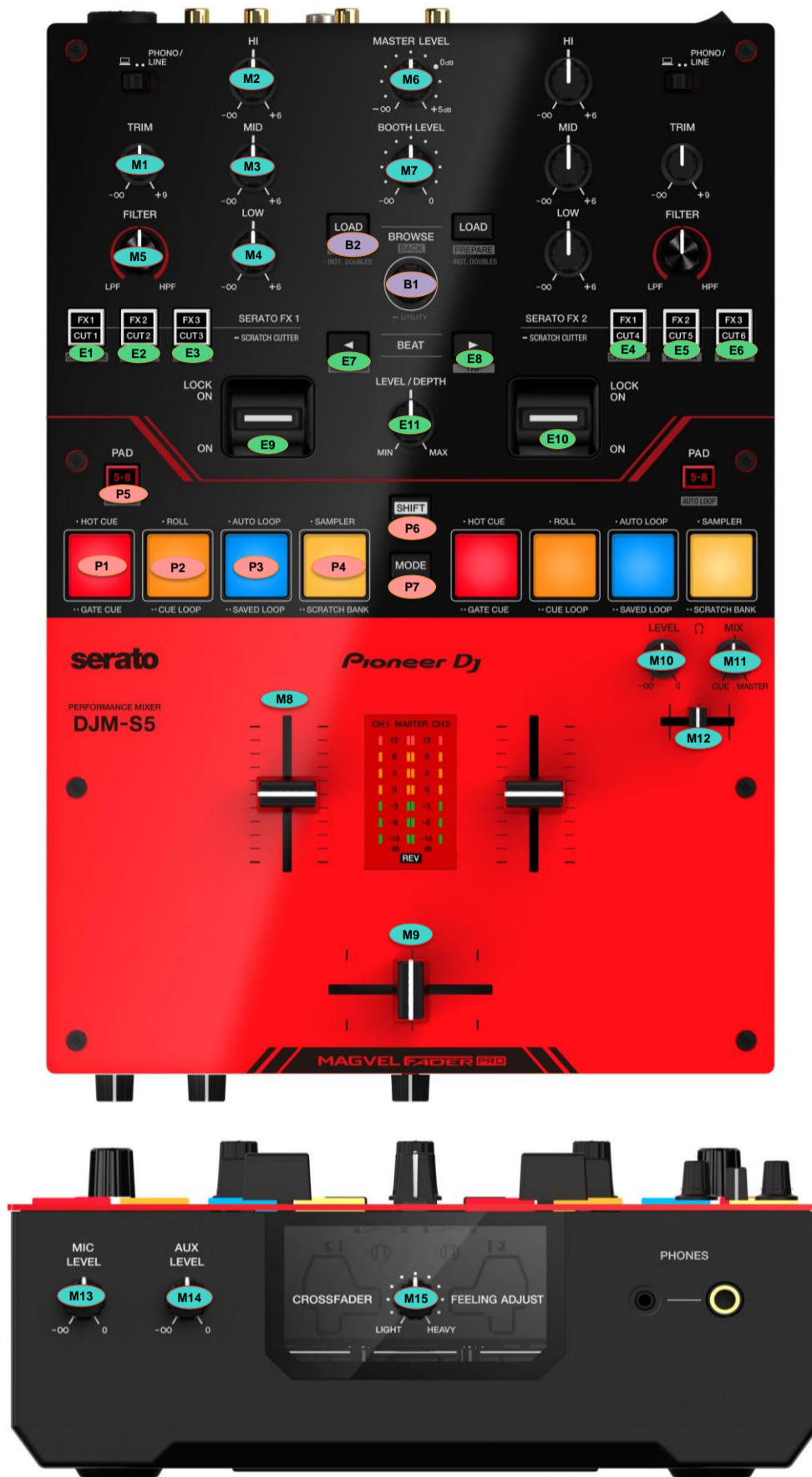


DJM-S5

List of MIDI message



[MIDI channel assignment]

MIDI channel is defined as shown below.

0x9* :Note * : value of channel No.(n/m/p)
 0xB* :Control Change (CC)

Channel Category	MIDI Channel	*(Hex)
DECK1	1	n=0
DECK2	2	n=1
FX DECK1	5	m=4
FX DECK2	6	m=5
Browser_Global Section	7	m=6
PERFORMANCE PAD (DECK1)	8	p=7
PERFORMANCE PAD (DECK2)	9	p=8
PERFORMANCE PAD (DECK1)	12	p=B
PERFORMANCE PAD (DECK2)	13	p=C
PERFORMANCE PAD (DECK1)	14	p=D
PERFORMANCE PAD (DECK2)	15	p=E

The MIDI messages output from the buttons and knobs of this mixer are shown in decimal numbers and English scale as reference information for MIDI assignment. Please use this reference in accordance with your MIDI compatible software.

NOTE is a MIDI term used for pressing and releasing keys on a piano or keyboard.
 CC is an abbreviation for 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. The English scale is a method of notating pitches using the letters C, D, E, F, G, A, B, and the semitone #.

Group	Part No.	User Interface				MIDI assign reference				MIDI-IN (to computer)			MIDI-OUT (from computer)			Details(Data2)	
		UI name	Trigger	+SHIFT	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)		
								(Dec)	(English scale)								
BROWSE	B1	BROWSE	rotate	+SHIFT		7	CC	64	-	B6	40	hh				Difference count value from previous operation Turn clockwise: 0x01-0x1E(max) (1-30clicks/40msec) Turn counterclockwise: 0x7F-0x62(max) (1-30clicks/40msec)	
					rotate while pressing FX1/CUT1 button	7	CC	80	-	B6	50	hh					
					rotate while pressing FX2/CUT2 button	7	CC	81	-	B6	51	hh					
					rotate while pressing FX3/CUT3 button	7	CC	82	-	B6	52	hh					
					rotate while pressing FX1/CUT4 button	7	CC	83	-	B6	53	hh					
					rotate while pressing FX2/CUT5 button	7	CC	84	-	B6	54	hh					
BROWSE	B2	LOAD	press			7	NOTE	65	F#4	96	41	hh				OFF=0x00, ON=0x7F	
				+SHIFT		7	NOTE	66	F#4	96	42	hh				OFF=0x00, ON=0x7F	
						1/2	NOTE	70	A#4	9n	46	hh				OFF=0x00, ON=0x7F	
				+SHIFT		1/2	NOTE	71	B4	9n	47	hh				OFF=0x00, ON=0x7F	
						1/2	CC	4	36	-	Bn	04	24	MSB	LSB		Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
						1/2	CC	7	39	-	Bn	07	27	MSB	LSB		Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
MIXER	M3	MID	rotate			1/2	CC	11	43	-	Bn	0B	2B	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383	
	M4	LOW	rotate			1/2	CC	15	47	-	Bn	0F	2F	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383	
	M5	FILTER	rotate			1/2	CC	1	33	-	Bn	01	21	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383	
	M6	BOOTH LEVEL	rotate			7	CC	9	41	-	B6	09	29	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383	
	M7	MASTER LEVEL	rotate			7	CC	8	40	-	B6	08	28	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383	
	M8	CH FADER	slide			1/2	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	
				+SHIFT	Zero -> not Zero	1/2	NOTE	102	F#7	9n	66	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start with Sync Setting	
						1/2	NOTE	81	A5	9n	51	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from Current Cue Point.	
						1/2	NOTE	83	B5	9n	53	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from HOT CUE1 Point.	
				not Zero -> Zero	1/2	NOTE	82	A#5	9n	52	hh				OFF = 0 (0x00), ON = 127 (0x7F)		
	M9	CROSSFADER	slide			7	CC	31	63	-	B6	1F	3F	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) CROSSFADER REVERSE OFF : Min at left side, Max at right side CROSSFADER REVERSE ON : Min at right side, Max at left side	
				+SHIFT	Min -> not Min	2	NOTE	102	F#7	91	66	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start with Sync Setting	
						2	NOTE	81	A5	91	51	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from Current Cue Point.	
						2	NOTE	83	B5	91	53	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from HOT CUE1 Point.	
							not Min -> Min	2	NOTE	82	A#5	91	52	hh			
						Max -> not Max	1	NOTE	102	F#7	90	66	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start with Sync Setting
				1	NOTE	81	A5	90	51	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from Current Cue Point.			
				1	NOTE	83	B5	90	53	hh				OFF = 0 (0x00), ON = 127 (0x7F) Start from HOT CUE1 Point.			
				1	NOTE	82	A#5	90	52	hh				OFF = 0 (0x00), ON = 127 (0x7F)			
M10	HEADPHONES VOL	rotate			7	CC	13	45	-	B6	0D	2D	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383		
M11	HEADPHONES MIX	rotate			7	CC	12	44	-	B6	0C	2C	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383		
M12	HEADPHONES CUE FADER	slide			7	CC	14	46	-	B6	0E	2E	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383		
M13	MIC LEVEL	rotate													Hardware Control		
M14	AUX LEVEL	rotate			7	CC	11	43	-	B6	0B	2B	MSB	LSB	Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383		
M15	CROSSFADER FEELING ADJUST	rotate													Hardware Control		
EFFECT	E1	FX1/CUT1	press			5	NOTE	112	E8	94	70	hh				ON=0x7F	
				+SHIFT		7	NOTE	12	C0	96	0C	hh				OFF=0x00, ON=0x7F Hardware Control: CROSSFADER REVERSE ON/OFF	
	E2	FX2/CUT2	press			5	NOTE	113	F8	94	71	hh				ON=0x7F	
				+SHIFT		7	NOTE	13	C#0	96	0D	hh				Hardware Control: Sets the crossfader curve set in the Utility settings.	
	E3	FX3/CUT3	press			5	NOTE	114	F#8	94	72	hh				ON=0x7F	
				+SHIFT		7	NOTE	14	D0	96	0E	hh				Hardware Control: Sets the steeply raising crossfader curve.	
	E4	FX1/CUT4	press			6	NOTE	112	E8	95	70	hh				ON=0x7F	
				+SHIFT		7	NOTE	15	D#0	96	0F	hh				OFF=0x00, ON=0x7F	
	E5	FX2/CUT5	press			6	NOTE	113	F8	95	71	hh				ON=0x7F	
				+SHIFT		7	NOTE	21	E0	96	15	hh				ON=0x7F	
	E6	FX3/CUT6	press			6	NOTE	114	F#8	96	72	hh				ON=0x7F	
				+SHIFT		7	NOTE	23	F0	96	17	hh				ON=0x7F	
	E7	BEAT LEFT	press		FX1-3/CUT1-3 selected	5	NOTE	6	F#-1	94	06	hh				OFF=0x00, ON=0x7F	
					FX1-3/CUT4-6 selected	6	NOTE	6	F#-1	95	06	hh				OFF=0x00, ON=0x7F	
+SHIFT					7	NOTE	22	A#0	96	16	hh				OFF=0x00, ON=0x7F		

E8	BEAT RIGHT	press	FX1-3/CUT1-3 selected	5	NOTE	7	G-1	94	07	hh				OFF=0x00, ON=0x7F
			FX1-3/CUT4-6 selected	6	NOTE	7	G-1	95	07	hh				OFF=0x00, ON=0x7F
		+SHIFT		7	NOTE	10	A#-1	96	0A	hh				OFF=0x00, ON=0x7F
E9	CH1 EFFECT LEVER	press		5	NOTE	80	G#5	94	50	hh				OFF=0x00, ON=0x7F
			FX1/CUT1 selected	5	NOTE	71	B4	94	47	hh				OFF=0x00, ON=0x7F
			FX2/CUT2 selected	5	NOTE	72	C5	94	48	hh				OFF=0x00, ON=0x7F
			FX3/CUT3 selected	5	NOTE	73	C#5	94	49	hh				OFF=0x00, ON=0x7F
			FX1/CUT4 selected	6	NOTE	71	B4	95	47	hh				OFF=0x00, ON=0x7F
			FX2/CUT5 selected	6	NOTE	72	C5	95	48	hh				OFF=0x00, ON=0x7F
			FX3/CUT6 selected	6	NOTE	73	C#5	95	49	hh				OFF=0x00, ON=0x7F
		+SHIFT		5	NOTE	102	F#7	94	66	hh				OFF=0x00, ON=0x7F
E10	CH2 EFFECT LEVER	press		6	NOTE	80	G#5	95	50	hh				OFF=0x00, ON=0x7F
			FX1/CUT1 selected	5	NOTE	71	B4	94	47	hh				OFF=0x00, ON=0x7F
			FX2/CUT2 selected	5	NOTE	72	C5	94	48	hh				OFF=0x00, ON=0x7F
			FX3/CUT3 selected	5	NOTE	73	C#5	94	49	hh				OFF=0x00, ON=0x7F
			FX1/CUT4 selected	6	NOTE	71	B4	95	47	hh				OFF=0x00, ON=0x7F
			FX2/CUT5 selected	6	NOTE	72	C5	95	48	hh				OFF=0x00, ON=0x7F
			FX3/CUT6 selected	6	NOTE	73	C#5	95	49	hh				OFF=0x00, ON=0x7F
		+SHIFT		6	NOTE	102	F#7	95	66	hh				OFF=0x00, ON=0x7F
E11	LEVEL/DEPTH	rotate	FX1/CUT1 selected	5	CC	4 36	-	B4	02 22	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
			FX2/CUT2 selected	5	CC	4 36	-	B4	04 24	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
			FX3/CUT3 selected	5	CC	6 38	-	B4	06 26	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
			FX1/CUT4 selected	6	CC	2 34	-	B5	02 22	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
			FX2/CUT5 selected	6	CC	4 36	-	B5	04 24	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
			FX3/CUT6 selected	6	CC	6 38	-	B5	06 26	MSB LSB				Min(MSB:0x00 LSB:0x00)-Max(MSB:0x7F LSB:0x7F) When turned fully counterclockwise: 0. When turned fully clockwise: 16383
PERFORMANCE PAD	P1	PAD1	press		8/9	NOTE	0	C-1	9p	00	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	8	G#-1	9p	08	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	16	E0	9p	10	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	24	C1	9p	18	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	32	G#1	9p	20	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	40	E2	9p	28	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	48	C3	9p	30	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	56	G#3	9p	38	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	64	E4	9p	40	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	72	C5	9p	48	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	80	G#5	9p	50	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	88	E6	9p	58	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	96	C7	9p	60	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	104	G#7	9p	68	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					8/9	NOTE	112	E8	9p	70	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	8/9	NOTE	120	C9	9p	78	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					14/15	NOTE	0	C-1	9D/9E	00	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	14/15	NOTE	8	G#-1	9D/9E	08	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					14/15	NOTE	16	E0	9D/9E	10	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	14/15	NOTE	24	C1	9D/9E	18	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					14/15	NOTE	32	G#1	9D/9E	20	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	14/15	NOTE	40	E2	9D/9E	28	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					14/15	NOTE	48	C3	9D/9E	30	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	14/15	NOTE	56	G#3	9D/9E	38	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					12/13	NOTE	0	C-1	9B/9C	00	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	12/13	NOTE	8	G#-1	9B/9C	08	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					12/13	NOTE	16	E0	9B/9C	10	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	12/13	NOTE	24	C1	9B/9C	18	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					12/13	NOTE	32	G#1	9B/9C	20	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	12/13	NOTE	40	E2	9B/9C	28	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
					12/13	NOTE	48	C3	9B/9C	30	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
				+SHIFT	12/13	NOTE	56	G#3	9B/9C	38	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F
+MODE	single	1/2	NOTE	27	D#1	9n	1B	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	single	1/2	NOTE	105	A7	9n	69	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	double	14/15	NOTE	64	E4	9D/9E	40	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	double	12/13	NOTE	64	E4	9B/9C	40	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F			
P2	PAD2	press		8/9	NOTE	1	C#-1	9p	01	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	9	A-1	9p	09	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	17	F0	9p	11	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	25	C#1	9p	19	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	33	A1	9p	21	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	41	F2	9p	29	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	49	C#3	9p	31	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	57	A3	9p	39	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	65	F4	9p	41	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	73	C#5	9p	49	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	81	A5	9p	51	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	89	F6	9p	59	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	97	C#7	9p	61	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	105	A7	9p	69	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				8/9	NOTE	113	F8	9p	71	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	8/9	NOTE	121	C#9	9p	79	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				14/15	NOTE	1	C#-1	9D/9E	01	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	14/15	NOTE	9	A-1	9D/9E	09	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				14/15	NOTE	17	F0	9D/9E	11	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	14/15	NOTE	25	C#1	9D/9E	19	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				14/15	NOTE	33	A1	9D/9E	21	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	14/15	NOTE	41	F2	9D/9E	29	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				14/15	NOTE	49	C#3	9D/9E	31	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	14/15	NOTE	57	A3	9D/9E	39	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				12/13	NOTE	1	C#-1	9B/9C	01	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	12/13	NOTE	9	A-1	9B/9C	09	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				12/13	NOTE	17	F0	9B/9C	11	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	12/13	NOTE	25	C#1	9B/9C	19	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				12/13	NOTE	33	A1	9B/9C	21	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	12/13	NOTE	41	F2	9B/9C	29	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
				12/13	NOTE	49	C#3	9B/9C	31	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
			+SHIFT	12/13	NOTE	57	A3	9B/9C	39	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F	
+MODE	single	1/2	NOTE	30	F#1	9n	1E	hh		← Same as MIDI-IN	OFF=0x00, ON=0x7F			

+MODE +SHIFT	single	1/2	NOTE	107	B7	9n	6B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
+MODE	double	14/15	NOTE	65	F4	9D/9E	41	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
+MODE +SHIFT	double	12/13	NOTE	65	F4	9B/9C	41	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F

P3	PAD3	press		8/9	NOTE	2	D-1	9p	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	10	A#-1	9p	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	18	F#0	9p	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	26	D1	9p	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	34	A#1	9p	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	42	F#2	9p	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	50	D3	9p	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	58	A#3	9p	3A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	66	F#4	9p	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	74	D5	9p	4A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	82	A#5	9p	52	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	90	F#6	9p	5A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	98	D7	9p	62	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	106	A#7	9p	6A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				8/9	NOTE	114	F#8	9p	72	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	8/9	NOTE	122	D9	9p	7A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				14/15	NOTE	2	D-1	9D/9E	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	14/15	NOTE	10	A#-1	9D/9E	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				14/15	NOTE	18	F#0	9D/9E	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	14/15	NOTE	26	D1	9D/9E	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				14/15	NOTE	34	A#1	9D/9E	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	14/15	NOTE	42	F#2	9D/9E	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				14/15	NOTE	50	D3	9D/9E	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	14/15	NOTE	58	A#3	9D/9E	3A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				12/13	NOTE	2	D-1	9B/9C	02	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	12/13	NOTE	10	A#-1	9B/9C	0A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				12/13	NOTE	18	F#0	9B/9C	12	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	12/13	NOTE	26	D1	9B/9C	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				12/13	NOTE	34	A#1	9B/9C	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	12/13	NOTE	42	F#2	9B/9C	2A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
				12/13	NOTE	50	D3	9B/9C	32	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+SHIFT	12/13	NOTE	58	A#3	9B/9C	3A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
			+MODE	single	1/2	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
			+MODE +SHIFT	single	1/2	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
			+MODE	double	14/15	NOTE	66	F#4	9D/9E	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
			+MODE +SHIFT	double	12/13	NOTE	66	F#4	9B/9C	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
			P4	PAD4	press		8/9	NOTE	3	D#-1	9p	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
						+SHIFT	8/9	NOTE	11	B-1	9p	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
							8/9	NOTE	19	G0	9p	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
						+SHIFT	8/9	NOTE	27	D#1	9p	1B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
							8/9	NOTE	35	B1	9p	23	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
						+SHIFT	8/9	NOTE	43	G2	9p	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
							8/9	NOTE	51	D#3	9p	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
						+SHIFT	8/9	NOTE	59	B3	9p	3B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	8/9	NOTE				67	G4	9p	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				75	D#5	9p	4B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				83	B5	9p	53	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				91	G6	9p	5B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				99	D#7	9p	63	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				107	B7	9p	6B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				115	G8	9p	73	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				123	D#9	9p	7B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				3	D#-1	9D/9E	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				11	B-1	9D/9E	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				19	G0	9D/9E	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				27	D#1	9D/9E	1B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				35	B1	9D/9E	23	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				43	G2	9D/9E	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				51	D#3	9D/9E	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				59	B3	9D/9E	3B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				3	D#-1	9B/9C	03	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				11	B-1	9B/9C	0B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				19	G0	9B/9C	13	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				27	D#1	9B/9C	1B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				35	B1	9B/9C	23	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				43	G2	9B/9C	2B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
	8/9	NOTE				51	D#3	9B/9C	33	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	8/9	NOTE				59	B3	9B/9C	3B	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	single	8/9				NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE +SHIFT	single	8/9				NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	double	8/9				NOTE	67	G4	9D/9E	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE +SHIFT	double	8/9				NOTE	67	G4	9B/9C	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		

P3	PAD7 (Selected 5-8)	press		8/9	NOTE	6	F#1	9p	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	14	D0	9p	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	22	A#0	9p	16	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	30	F#1	9p	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	38	D2	10p	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	46	A#2	11p	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	54	F#3	12p	36	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	62	D4	13p	3E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	70	A#4	9p	46	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	78	F#5	9p	4E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	86	D6	9p	56	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	94	A#6	9p	5E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	102	F#7	9p	66	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	110	D8	9p	6E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	118	A#8	9p	76	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	126	F#9	9p	7E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	6	F#1	9D/9E	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	14	D0	9D/9E	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	22	A#0	9D/9E	16	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	30	F#1	9D/9E	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	38	D2	9D/9E	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	46	A#2	9D/9E	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	54	F#3	9D/9E	36	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	62	D4	9D/9E	3E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	6	F#1	9B/9C	06	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	14	D0	9B/9C	0E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	22	A#0	9B/9C	16	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	30	F#1	9B/9C	1E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	38	D2	9B/9C	26	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	46	A#2	9B/9C	2E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	12/13	NOTE	54	F#3	9B/9C	36	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	12/13	NOTE	62	D4	9B/9C	3E	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	single	1/2	NOTE	32	G#1	9n	20	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	single	1/2	NOTE	109	C#8	9n	6D	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	double	14/15	NOTE	66	F#4	9D/9E	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	double	12/13	NOTE	66	F#4	9B/9C	42	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
P4	PAD8 (Selected 5-8)	press		8/9	NOTE	7	G-1	9p	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	15	D#0	9p	0F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	23	B0	9p	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	31	G1	9p	1F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	39	D#2	10p	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	47	B2	11p	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	55	G3	12p	37	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	63	D#4	13p	3F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	71	B4	9p	47	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	79	G5	9p	4F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	87	D#6	9p	57	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	95	B6	9p	5F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	103	G7	9p	67	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	111	D#8	9p	6F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				8/9	NOTE	119	B8	9p	77	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	8/9	NOTE	127	G9	9p	7F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	7	G-1	9D/9E	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	15	D#0	9D/9E	0F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	23	B0	9D/9E	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	31	G1	9D/9E	1F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	39	D#2	9D/9E	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	47	B2	9D/9E	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				14/15	NOTE	55	G3	9D/9E	37	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	14/15	NOTE	63	D#4	9D/9E	3F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	7	G-1	9B/9C	07	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	15	D#0	9B/9C	0F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	23	B0	9B/9C	17	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	31	G1	9B/9C	1F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
				12/13	NOTE	39	D#2	9B/9C	27	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	12/13	NOTE	47	B2	9B/9C	2F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
	12/13	NOTE	55	G3	9B/9C	37	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+SHIFT	12/13	NOTE	63	D#4	9B/9C	3F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F			
+MODE	single	1/2	NOTE	34	A#1	9n	22	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	single	1/2	NOTE	111	D#8	9n	6F	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	double	14/15	NOTE	67	G4	9D/9E	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
+MODE	double	12/13	NOTE	67	G4	9B/9C	43	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F		
P5	5-8	press		1/2	NOTE	26	D1	9n	1A	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
			+SHIFT	1/2	NOTE	20	G#0	9n	14	hh	← Same as MIDI-IN	OFF=0x00, ON=0x7F
P6	SHIFT	press		7	NOTE	63	D#4	96	3F	hh		
P7	MODE	press		7	NOTE	64	E4	96	40	hh		