

*Pioneer*

DJ Controller

**DDJ-S1**

List of MIDI Messages

# Pioneer DDJ-S1 List of MIDI Messages

## Midi Chanel Assign

Ch No.	Block	MIDI Ch No.
Ch.1	Deck A	n = 0
Ch.2	Deck B	n = 1
Ch.3	FX 1	n = 2
Ch.4	FX 2	n = 3
Ch.5	MIXER	n = 4

Control Change

## Midi In Data Format

Function Name	shift	MSB	LSB	SW Type	MIDI Message(3bytes)	note
HOT CUE 1				SW	0x9n 0x2A dd	OFF = 0x00, ON = 0x7F
HOT CUE 2				SW	0x9n 0x2B dd	OFF = 0x00, ON = 0x7F
HOT CUE 3				SW	0x9n 0x2C dd	OFF = 0x00, ON = 0x7F
HOT CUE 4				SW	0x9n 0x2D dd	OFF = 0x00, ON = 0x7F
HOT CUE 5				SW	0x9n 0x2E dd	OFF = 0x00, ON = 0x7F
REC MODE				SW	0x9n 0x2F dd	OFF = 0x00, ON = 0x7F
LOOP IN				SW	0x9n 0x10 dd	OFF = 0x00, ON = 0x7F
LOOP OUT				SW	0x9n 0x11 dd	OFF = 0x00, ON = 0x7F
RELOOP/EXIT				SW	0x9n 0x12 dd	OFF = 0x00, ON = 0x7F
SELECT				SW	0x9n 0x15 dd	OFF = 0x00, ON = 0x7F
AUTO LOOP				General Purpose Controller	0xBn 0x13 dd	Difference count value from when previously operated, Turn clockwise: 0x01 - (max)0x1E, Turn counterclockwise: 0x7F - (min)0x62
AUTO LOOP (push)				SW	0x9n 0x14 dd	OFF = 0x00, ON = 0x7F
NEEDLE SEARCH pad				Touch Sensor	0xBn 0x03 dd	OFF = 0x00, ON = 0x01 - 0x7F( position information ) 0x01 at left edge, 0x7F at right edge
TOUCH/RELEASE				VR	0xBn 0x04 dd	0x00 - (max)0x7F
VINYL				SW	0x9n 0x35 dd	OFF = 0x00, ON = 0x7F
TEMPO RANGE				SW	0x9n 0x19 dd	OFF = 0x00, ON = 0x7F
MASTER TEMPO				SW	0x9n 0x1A dd	OFF = 0x00, ON = 0x7F
SYNC				SW	0x9n 0x1B dd	OFF = 0x00, ON = 0x7F
TEMPO		●	●	VR	0xBn 0x00 dd 0xBn 0x20 dd	14bit slider value, -side: 0x00 0x00 - +side: 0x7F 0x7F, center: 0x3F 0x7F
REV			●	SW	0x9n 0x38 dd	OFF = 0x00, ON = 0x7F
SLIP			●	SW	0x9n 0x40 dd	OFF = 0x00, ON = 0x7F
CUE			●	SW	0x9n 0x0C dd	OFF = 0x00, ON = 0x7F
PLAY/PAUSE			●	SW	0x9n 0x0B dd	OFF = 0x00, ON = 0x7F
PITCH BEND		●	●	General Purpose Controller	0xBn 0x01 dd 0xBn 0x21 dd	14bit difference count value from when previously operated, Turn clockwise: 0x00 0x01 - (max)0x3F 0x7F, Turn counterclockwise: 0x7F 0x7F - (max)0x40 0x00
JOG TOUCH			●	SW	0x9n 0x36 dd	OFF = 0x00, ON = 0x7F
SCRATCH		●	●	General Purpose Controller	0xBn 0x02 dd 0xBn 0x22 dd	14bit difference count value from when previously operated, Turn clockwise: 0x00 0x01 - (max)0x3F 0x7F, Turn counterclockwise: 0x7F 0x7F - (max)0x40 0x00
LOAD			●	SW	0x9n 0x3D dd	OFF = 0x00, ON = 0x7F
HOT CUE 1	●			SW	0x9n 0x5C dd	OFF = 0x00, ON = 0x7F
HOT CUE 2	●			SW	0x9n 0x5D dd	OFF = 0x00, ON = 0x7F
HOT CUE 3	●			SW	0x9n 0x5E dd	OFF = 0x00, ON = 0x7F
HOT CUE 4	●			SW	0x9n 0x5F dd	OFF = 0x00, ON = 0x7F
HOT CUE 5	●			SW	0x9n 0x60 dd	OFF = 0x00, ON = 0x7F
REC MODE	●			SW	0x9n 0x61 dd	OFF = 0x00, ON = 0x7F
LOOP IN	●			SW	0x9n 0x4C dd	OFF = 0x00, ON = 0x7F
LOOP OUT	●			SW	0x9n 0x4D dd	OFF = 0x00, ON = 0x7F
RELOOP/EXIT	●			SW	0x9n 0x4E dd	OFF = 0x00, ON = 0x7F
SELECT	●			SW	0x9n 0x51 dd	OFF = 0x00, ON = 0x7F
AUTO LOOP	●			General Purpose Controller	0xBn 0x4F dd	Difference count value from when previously operated, Turn clockwise: 0x01 - (max)0x1E, Turn counterclockwise: 0x7F - (min)0x62
AUTO LOOP (push)	●			SW	0x9n 0x50 dd	OFF = 0x00, ON = 0x7F
NEEDLE SEARCH pad	●			Touch Sensor	0xBn 0x03 dd	OFF = 0x00, ON = 0x01 - 0x7F( position information ) 0x01 at left edge, 0x7F at right edge
TOUCH/RELEASE	●			VR	0xBn 0x09 dd	0x00 - (max)0x7F
VINYL	●			SW	0x9n 0x67 dd	OFF = 0x00, ON = 0x7F
TEMPO RANGE	●			SW	0x9n 0x55 dd	OFF = 0x00, ON = 0x7F
MASTER TEMPO	●			SW	0x9n 0x56 dd	OFF = 0x00, ON = 0x7F
SYNC	●			SW	0x9n 0x57 dd	OFF = 0x00, ON = 0x7F
TEMPO	●	●	●	VR	0xBn 0x05 dd 0xBn 0x25 dd	14bit slider value, -side: 0x00 0x00 - +side: 0x7F 0x7F, center: 0x3F 0x7F
REV	●		●	SW	0x9n 0x6A dd	OFF = 0x00, ON = 0x7F
SLIP	●		●	SW	0x9n 0x72 dd	OFF = 0x00, ON = 0x7F
CUE	●		●	SW	0x9n 0x48 dd	OFF = 0x00, ON = 0x7F
PLAY/PAUSE	●		●	SW	0x9n 0x47 dd	OFF = 0x00, ON = 0x7F
PITCH BEND	●	●	●	General Purpose Controller	0xBn 0x06 dd 0xBn 0x26 dd	14bit difference count value from when previously operated, Turn clockwise: 0x00 0x01 - (max)0x3F 0x7F, Turn counterclockwise: 0x7F 0x7F - (max)0x40 0x00
JOG TOUCH	●		●	SW	0x9n 0x68 dd	OFF = 0x00, ON = 0x7F
PITCH BEND	●	●	●	General Purpose Controller	0xBn 0x07 dd 0xBn 0x27 dd	14bit difference count value from when previously operated, Turn clockwise: 0x00 0x01 - (max)0x3F 0x7F, Turn counterclockwise: 0x7F 0x7F - (max)0x40 0x00
LOAD	●		●	SW	0x9n 0x6F dd	OFF = 0x00, ON = 0x7F
CH SELECT	●		●	SW	0xBn 0x00 dd	CH A = 0x00, CH B = 0x01, MASTER = 0x02, MIC/AUX = 0x03
EFFECT SELECT				General Purpose Controller	0xBn 0x01 dd	Difference count value from when previously operated, Turn clockwise: 0x01 - (max)0x1E, Turn counterclockwise: 0x7F - (min)0x62
PARAMETER				General Purpose Controller	0xBn 0x02 dd	Difference count value from when previously operated, Turn clockwise: 0x01 - (max)0x1E, Turn counterclockwise: 0x7F - (min)0x62
LEVEL/DEPTH				VR	0xBn 0x03 dd	0x00 - 0x7F
ON/OFF				SW	0x9n 0x40 dd	OFF = 0x00, ON = 0x7F
TAP				SW	0x9n 0x41 dd	OFF = 0x00, ON = 0x7F
TRIM A				VR	0xBn 0x00 dd	0x00 - 0x7F
TRIM B				VR	0xBn 0x01 dd	0x00 - 0x7F
EQ HI A				VR	0xBn 0x02 dd	0x00 - 0x7F
EQ HI B				VR	0xBn 0x03 dd	0x00 - 0x7F
EQ MID A				VR	0xBn 0x04 dd	0x00 - 0x7F
EQ MID B				VR	0xBn 0x05 dd	0x00 - 0x7F
EQ LOW A				VR	0xBn 0x06 dd	0x00 - 0x7F
EQ LOW B				VR	0xBn 0x07 dd	0x00 - 0x7F
CH FADER A				VR	0xBn 0x08 dd	0x00 - 0x7F
CH FADER B				VR	0xBn 0x09 dd	0x00 - 0x7F( 0x00 at bottom side, 0x7F at upper side )
FADER START A				SW	0xBn 0x60 dd	OFF = 0x00, ON = 0x01
FADER START B				SW	0xBn 0x61 dd	OFF = 0x00, ON = 0x01
SROSS FADER				VR	0xBn 0x0A dd	0x00 - 0x7F( 0x00 at left side, 0x7F at right side )
CROSS FADER CURVE SW				SW	0xBn 0x64 dd	THRU = 0x00, > = 0x01, < = 0x02
CROSS FADER REV				SW	0xBn 0x65 dd	OFF = 0x00, ON = 0x01
HEADPHONE CUE A				SW	0x9n 0x54 dd	OFF = 0x00, ON = 0x7F
HEADPHONE CUE B				SW	0x9n 0x55 dd	OFF = 0x00, ON = 0x7F
ROTARY SELECTOR				General Purpose Controller	0xBn 0x40 dd	Difference count value from when previously operated, Turn clockwise: 0x01 - (max)0x1E, Turn counterclockwise: 0x7F - (min)0x62
ROTARY SELECTOR (push)				SW	0x9n 0x41 dd	OFF = 0x00, ON = 0x7F
BACK				SW	0x9n 0x42 dd	OFF = 0x00, ON = 0x7F
AREA MOVE				SW	0x9n 0x43 dd	OFF = 0x00, ON = 0x7F
LOAD PREPARE				SW	0x9n 0x44 dd	OFF = 0x00, ON = 0x7F
CRATES				SW	0x9n 0x45 dd	OFF = 0x00, ON = 0x7F
FILES				SW	0x9n 0x46 dd	OFF = 0x00, ON = 0x7F
BROWSE				SW	0x9n 0x47 dd	OFF = 0x00, ON = 0x7F
PREPARE				SW	0x9n 0x48 dd	OFF = 0x00, ON = 0x7F
THRU MODE				SW	0xBn 0x71 dd	OFF = 0x00, ON = 0x01

## Midi Out Data Format

Function Name	shift	SW Type	MIDI Message(3bytes)			note
HOT CUE 1		LED	0x9n	0x2A	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 2		LED	0x9n	0x2B	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 3		LED	0x9n	0x2C	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 4		LED	0x9n	0x2D	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 5		LED	0x9n	0x2E	dd	OFF = 0x00, LIT = 0x7F
REC MODE		LED	0x9n	0x2F	dd	OFF = 0x00, LIT = 0x7F
LOOP IN		LED	0x9n	0x10	dd	OFF = 0x00, LIT = 0x7F
LOOP OUT		LED	0x9n	0x11	dd	OFF = 0x00, LIT = 0x7F
RELOOP/EXIT		LED	0x9n	0x12	dd	OFF = 0x00, LIT = 0x7F
PLAYING ADDRESS		LED	0xBn	0x0A	dd	OFF = 0x00, 0x01 - 0x0A( lights from left side ), 0x0B - 0x14( turn off the lights from left side ), 0x15 - 0x1E( lights 1point from left side )
VINYL		LED	0x9n	0x35	dd	OFF = 0x00, LIT = 0x7F
MASTER TEMPO		LED	0x9n	0x1A	dd	OFF = 0x00, LIT = 0x7F
SYNC		LED	0x9n	0x1B	dd	OFF = 0x00, LIT = 0x7F
TEMPO INDICATOR Δ		LED	0x9n	0x1C	dd	OFF = 0x00, LIT = 0x7F
TEMPO INDICATOR ∇		LED	0x9n	0x1D	dd	OFF = 0x00, LIT = 0x7F
REV		LED	0x9n	0x38	dd	OFF = 0x00, LIT = 0x7F
SLIP		LED	0x9n	0x40	dd	OFF = 0x00, LIT = 0x7F
CUE		LED	0x9n	0x0C	dd	OFF = 0x00, LIT = 0x7F
PLAY/PAUSE		LED	0x9n	0x0B	dd	OFF = 0x00, LIT = 0x7F
JOG INDICATOR		LED	0xBn	0x39	dd	OFF = 0x00, 0x01 - 0x30( turn clockwise the off points from top side of the Jog )
LOAD		LED	0x9n	0x3D	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 1	●	LED	0x9n	0x5C	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 2	●	LED	0x9n	0x5D	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 3	●	LED	0x9n	0x5E	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 4	●	LED	0x9n	0x5F	dd	OFF = 0x00, LIT = 0x7F
HOT CUE 5	●	LED	0x9n	0x60	dd	OFF = 0x00, LIT = 0x7F
REC MODE	●	LED	0x9n	0x61	dd	OFF = 0x00, LIT = 0x7F
LOOP IN	●	LED	0x9n	0x4C	dd	OFF = 0x00, LIT = 0x7F
LOOP OUT	●	LED	0x9n	0x4D	dd	OFF = 0x00, LIT = 0x7F
RELOOP/EXIT	●	LED	0x9n	0x4E	dd	OFF = 0x00, LIT = 0x7F
PLAYING ADDRESS	●	LED	0xBn	0x46	dd	OFF = 0x00, 0x01 - 0x0A( lights from left side ), 0x0B - 0x14( turn off the lights from left side ), 0x15 - 0x1E( lights 1point from left side )
VINYL	●	LED	0x9n	0x67	dd	OFF = 0x00, LIT = 0x7F
MASTER TEMPO	●	LED	0x9n	0x56	dd	OFF = 0x00, LIT = 0x7F
SYNC	●	LED	0x9n	0x57	dd	OFF = 0x00, LIT = 0x7F
TEMPO INDICATOR Δ	●	LED	0x9n	0x58	dd	OFF = 0x00, LIT = 0x7F
TEMPO INDICATOR ∇	●	LED	0x9n	0x59	dd	OFF = 0x00, LIT = 0x7F
REV	●	LED	0x9n	0x6A	dd	OFF = 0x00, LIT = 0x7F
SLIP	●	LED	0x9n	0x72	dd	OFF = 0x00, LIT = 0x7F
CUE	●	LED	0x9n	0x48	dd	OFF = 0x00, LIT = 0x7F
PLAY/PAUSE	●	LED	0x9n	0x47	dd	OFF = 0x00, LIT = 0x7F
JOG INDICATOR	●	LED	0xBn	0x6B	dd	OFF = 0x00, 0x01 - 0x30( turn clockwise the off points from top side of the Jog )
LOAD	●	LED	0x9n	0x6F	dd	OFF = 0x00, LIT = 0x7F
ON/OFF		LED	0x9n	0x40	dd	OFF = 0x00, LIT = 0x7F
CROSS FADER REV		LED	0x9n	0x66	dd	OFF = 0x00, LIT = 0x7F
CH LEVEL INDICATOR A		LED	0xBn	0x69	dd	0x00 - (max)0x7F
CH LEVEL INDICATOR B		LED	0xBn	0x6B	dd	0x00 - (max)0x7F
HEADPHONE CUE A		LED	0x9n	0x34	dd	OFF = 0x00, LIT = 0x7F
HEADPHONE CUE B		LED	0x9n	0x35	dd	OFF = 0x00, LIT = 0x7F
AREA MOVE		LED	0x9n	0x43	dd	OFF = 0x00, LIT = 0x7F
CRATES		LED	0x9n	0x45	dd	OFF = 0x00, LIT = 0x7F
FILES		LED	0x9n	0x46	dd	OFF = 0x00, LIT = 0x7F
BROWSE		LED	0x9n	0x47	dd	OFF = 0x00, LIT = 0x7F
PREPARE		LED	0x9n	0x48	dd	OFF = 0x00, LIT = 0x7F

## About trademarks and registered trademarks

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