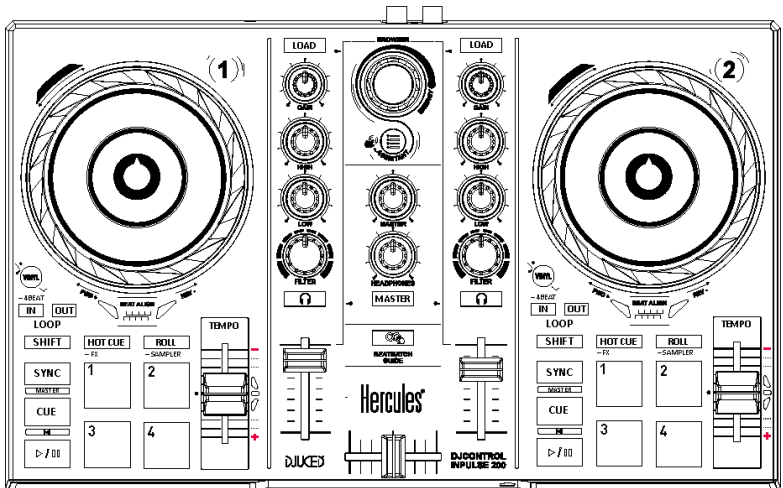




# DJCONTROL IMPULSE 200



## List of MIDI commands

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Technical information on <https://support.hercules.com>



## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 300

The DJ controller has a MIDI input virtual port and a MIDI output virtual port to

- send controls to MIDI software
- receive status changes from MIDI software.

### **MIDI Input commands**

Input commands are the commands the DJ controller sends to the DJ software.

### **MIDI Output commands**

Output commands are the commands the DJ software sends to the DJ controller, to change LED status.

### **Hexadecimal format**

MIDI commands hereafter are in hexadecimal format. With software using MIDI decimal values, convert commands & values in decimal value.

### **How to read the commands**



# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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## 1) MIDI INPUT

### a) Note On Messages

#### i. Global

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
BROWSE_PUSH	90 00 Value	Button-Toggling Output	"7F": Pressed – "00": Released
BEATMATCH_GUI DE	90 01 Value	Button-Toggling Output	"7F": Pressed – "00": Released
PFL_MASTER	90 02 Value	Button-Toggling Output	"7F": Pressed – "00": Released
ASSISTANT	90 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released

#### ii. Global + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + BROWSE_PUSH	93 00 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + BEATMATCH_GUIDE	90 01 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + PFL_MASTER	93 02 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + ASSISTANT	90 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## iii. Deck A

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
VINYL_A	91 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SHIFT_A	91 04 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SYNC_A	91 05 Value	Button-Toggling Output	"7F": Pressed – "00": Released
CUE_A	91 06 Value	Button-Toggling Output	"7F": Pressed – "00": Released
PLAY_A	91 07 Value	Button-Toggling Output	"7F": Pressed – "00": Released
JOG_TOUCH_A	91 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_IN	91 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_OUT	91 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_IN_(Long Press)	91 0B Value	Button-Toggling Output	"7F": Pressed – "00": Released
PFL_A	91 0C Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOAD_A	91 0D Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOAD_A_(Long Press)	91 0E Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE1_A	91 0F Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE2_A	91 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE3_A	91 11 Value	Button-Toggling Output	"7F": Pressed – "00": Released

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
MODE4_A	91 12 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_A (MODE1)	96 00 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_A (MODE1)	96 01 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_A (MODE1)	96 02 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_A (MODE1)	96 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_A (MODE2)	96 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_A (MODE2)	96 11 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_A (MODE2)	96 12 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_A (MODE2)	96 13 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_A (MODE3)	96 20 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_A (MODE3)	96 21 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_A (MODE3)	96 22 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_A (MODE3)	96 23 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_A (MODE4)	96 30 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_A (MODE4)	96 31 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_A (MODE4)	96 32 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_A (MODE4)	96 33 Value	Button-Toggling Output	"7F": Pressed – "00": Released

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## iv. Deck A + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + VINYL_A	94 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + SHIFT_A	91 04 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + SYNC_A	94 05 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + CUE_A	94 06 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + PLAY_A	94 07 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + JOG_TOUCH_A	94 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOOP_IN	94 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOOP_OUT	94 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOOP_IN_(Long Press)	94 0C Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + PFL_A	94 0D Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOAD_A	91 0F Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOAD_A_(Long Press)	91 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + MODE1_A	91 11 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + MODE2_A	91 12 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_A (MODE1)	96 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_A (MODE1)	96 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_A (MODE1)	96 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_A (MODE1)	96 0B Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_A (MODE2)	96 18 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_A (MODE2)	96 19 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_A (MODE2)	96 1A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_A (MODE2)	96 1B Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_A (MODE3)	96 28 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_A (MODE3)	96 29 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_A (MODE3)	96 2A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_A (MODE3)	96 2B Value	Button-Toggling Output	"7F": Pressed – "00": Released



## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + P1_A (MODE4)	96 38 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_A (MODE4)	96 39 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_A (MODE4)	96 3A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_A (MODE4)	96 3B Value	Button-Toggling Output	"7F": Pressed – "00": Released

# MIDI COMMANDS OF HERCULES DJCONTROL IMPULSE 200

## V. Deck B

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
VINYL_B	92 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SHIFT_B	92 04 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SYNC_B	92 05 Value	Button-Toggling Output	"7F": Pressed – "00": Released
CUE_B	92 06 Value	Button-Toggling Output	"7F": Pressed – "00": Released
PLAY_B	92 07 Value	Button-Toggling Output	"7F": Pressed – "00": Released
JOG_TOUCH_B	92 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_IN_B	92 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_OUT_B	92 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOOP_IN_B_(Long Press)	92 0B Value	Button-Toggling Output	"7F": Pressed – "00": Released
PFL_B	92 0C Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOAD_B	92 0D Value	Button-Toggling Output	"7F": Pressed – "00": Released
LOAD_B_(Long Press)	92 0E Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE1_B	92 0F Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE2_B	92 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released
MODE3_B	92 11 Value	Button-Toggling Output	"7F": Pressed – "00": Released

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
MODE4_B	92 12 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_B (MODE1)	97 00 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_B (MODE1)	97 01 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_B (MODE1)	97 02 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_B (MODE1)	97 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_B (MODE2)	97 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_B (MODE2)	97 11 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_B (MODE2)	97 12 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_B (MODE2)	97 13 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_B (MODE3)	97 20 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_B (MODE3)	97 21 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_B (MODE3)	97 22 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_B (MODE3)	97 23 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P1_B (MODE4)	97 30 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P2_B (MODE4)	97 31 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P3_B (MODE4)	97 32 Value	Button-Toggling Output	"7F": Pressed – "00": Released
P4_B (MODE4)	97 33 Value	Button-Toggling Output	"7F": Pressed – "00": Released

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## vi. Deck B + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + VINYL_B	94 03 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + SHIFT_B	92 04 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + SYNC_B	94 05 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + CUE_B	94 06 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + PLAY_B	94 07 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + JOG_TOUCH_B	94 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOOP_IN_B	94 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOOP_OUT_B	94 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + PFL_B	94 0C Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + LOAD_B	94 0D Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + MODE1_B	92 0F Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + MODE2_B	92 10 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_B (MODE1)	97 08 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_B (MODE1)	97 09 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_B (MODE1)	97 0A Value	Button-Toggling Output	"7F": Pressed – "00": Released

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + P4_B (MODE1)	97 0B Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_B (MODE2)	97 18 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_B (MODE2)	97 19 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_B (MODE2)	97 1A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_B (MODE2)	97 1B Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_B (MODE3)	97 28 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_B (MODE3)	97 29 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_B (MODE3)	97 2A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_B (MODE3)	97 2B Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P1_B (MODE4)	97 38 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P2_B (MODE4)	97 39 Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P3_B (MODE4)	97 3A Value	Button-Toggling Output	"7F": Pressed – "00": Released
SH + P4_B (MODE4)	97 3B Value	Button-Toggling Output	"7F": Pressed – "00": Released

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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## b) Control Change Messages

### i. Global

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
XFADER	B0 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
XFADER_LSB	B0 20 Value	Analog – Coarse (128 values)	LSByte of associated data
BROWSE_ENC	B0 01 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
BROWSE_ENC_ASSISTANT	B0 02 Value	Incremental – Coarse (24values) Different MIDI command while pressing NRJ Button	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
VOL_MASTER	B0 03 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
VOL_MASTER_LSB	B0 23 Value	Analog – Coarse (128 values)	LSByte of associated data
VOL_HDP	B0 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
VOL_HDP_LSB	B0 24 Value	Analog – Coarse (128 values)	LSByte of associated data

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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### ii. Global + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
XFADER	B0 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
XFADER_LSB	B0 20 Value	Analog – Coarse (128 values)	LSByte of associated data
BROWSE_ENC	B3 01 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
BROWSE_ENC_ASSIST ANT	B0 02 Value	Incremental – Coarse (24values) Different MIDI command while pressing NRJ Button	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
VOL_MASTER	B0 03 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
VOL_MASTER_LSB	B0 23 Value	Analog – Coarse (128 values)	LSByte of associated data
VOL_HDP	B0 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
VOL_HDP_LSB	B0 24 Value	Analog – Coarse (128 values)	LSByte of associated data

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## iii. Deck A

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
VOL_A	B1 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
FILTER_A	B1 01 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
LOW_A	B1 02 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
HIGH_A	B1 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
GAIN_A	B1 05 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
PITCH_DA	B1 08 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
JOG_A	B1 09 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
JOG_SCRATCH_A	B1 0A Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
VOL_A_LSB	B1 20 Value	Analog – Coarse (128 values)	LSByte of associated data
FILTER_A_LSB	B1 21 Value	Analog – Coarse (128 values)	LSByte of associated data
LOW_A_LSB	B1 22 Value	Analog – Coarse (128 values)	LSByte of associated data
HIGH_A_LSB	B1 24 Value	Analog – Coarse (128 values)	LSByte of associated data
GAIN_A_LSB	B1 25 Value	Analog – Coarse (128 values)	LSByte of associated data
PITCH_A_LSB	B1 28 Value	Analog – Coarse (128 values)	LSByte of associated data



# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## iv. Deck A + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + VOL_A	B4 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + FILTER_A	B4 01 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + LOW_A	B4 02 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + HIGH_A	B4 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + GAIN_A	B4 05 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + PITCH_DA	B4 08 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + JOG_A	B4 09 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
SH + JOG_SCRATCH_A	B4 0A Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
SH + VOL_A_LSB	B4 20 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + FILTER_A_LSB	B4 21 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + LOW_A_LSB	B4 22 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + HIGH_A_LSB	B4 24 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + GAIN_A_LSB	B4 25 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + PITCH_A_LSB	B4 28 Value	Analog – Coarse (128 values)	LSByte of associated data

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## V. Deck B

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
VOL_B	B2 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
FILTER_B	B2 01 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
LOW_B	B2 02 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
HIGH_B	B2 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
GAIN_B	B2 05 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
PITCH_B	B2 08 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
JOG_B	B2 09 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
JOG_SCRATCH_B	B2 0A Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
VOL_B_LSB	B2 20 Value	Analog – Coarse (128 values)	LSByte of associated data
FILTER_B_LSB	B2 21 Value	Analog – Coarse (128 values)	LSByte of associated data
LOW_B_LSB	B2 22 Value	Analog – Coarse (128 values)	LSByte of associated data
HIGH_B_LSB	B2 24 Value	Analog – Coarse (128 values)	LSByte of associated data
GAIN_B_LSB	B2 25 Value	Analog – Coarse (128 values)	LSByte of associated data
PITCH_B_LSB	B2 28 Value	Analog – Coarse (128 values)	LSByte of associated data

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

### vi. Deck B + Shift

MIDI CONTROL	MESSAGE	MESSAGE TYPE	VALUE DESCRIPTION
SH + VOL_B	B5 00 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + FILTER_B	B5 01 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + LOW_B	B5 02 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + HIGH_B	B5 04 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + GAIN_B	B5 05 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + PITCH_B	B5 08 Value	Analog – Coarse (128 values)	00 > 7F: Full Left > Full Right
SH + JOG_B	B5 09 Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
SH + JOG_SCRATCH_B	B5 0A Value	Incremental – Coarse (24values)	7F > 40: CCW Slow>Fast 01 > 3F: CW Slow>Fast
SH + VOL_B_LSB	B5 20 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + FILTER_B_LSB	B5 21 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + LOW_B_LSB	B5 22 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + HIGH_B_LSB	B5 24 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + GAIN_B_LSB	B5 25 Value	Analog – Coarse (128 values)	LSByte of associated data
SH + PITCH_B_LSB	B5 28 Value	Analog – Coarse (128 values)	LSByte of associated data

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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## 2) MIDI OUTPUT (LEDs)

### i. Global

MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
ASSISTANT	90 03 Value	"7F": On – "00": Off

(LEDs in Master & Beatmatch Guides keys are hardware controlled).

### ii. Deck A

MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
VINYL_A	91 03 Value	"7F": On – "00": Off
SYNC_A	91 05 Value	"7F": On – "00": Off
CUE_A	91 06 Value	"7F": On – "00": Off
PLAY_A	91 07 Value	"7F": On – "00": Off
LOOP_IN	91 09 Value	"7F": On – "00": Off
LOOP_OUT	91 0A Value	"7F": On – "00": Off
PFL_A	91 0C Value	"7F": On – "00": Off
P1_A (MODE1)	96 00 Value	"7F": On – "00": Off
P2_A (MODE1)	96 01 Value	"7F": On – "00": Off
P3_A (MODE1)	96 02 Value	"7F": On – "00": Off
P4_A (MODE1)	96 03 Value	"7F": On – "00": Off

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
P1_A (MODE2)	96 10 Value	"7F": On – "00": Off
P2_A (MODE2)	96 11 Value	"7F": On – "00": Off
P3_A (MODE2)	96 12 Value	"7F": On – "00": Off
P4_A (MODE2)	96 13 Value	"7F": On – "00": Off
P1_A (MODE3)	96 20 Value	"7F": On – "00": Off
P2_A (MODE3)	96 21 Value	"7F": On – "00": Off
P3_A (MODE3)	96 22 Value	"7F": On – "00": Off
P4_A (MODE3)	96 23 Value	"7F": On – "00": Off
P1_A (MODE4)	96 30 Value	"7F": On – "00": Off
P2_A (MODE4)	96 31 Value	"7F": On – "00": Off
P3_A (MODE4)	96 32 Value	"7F": On – "00": Off
P4_A (MODE4)	96 33 Value	"7F": On – "00": Off

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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### iii. Deck A + Shift

MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
SH + VINYL_B	94 03 Value	"7F": On – "00": Off
SH + SYNC_B	94 05 Value	"7F": On – "00": Off
SH + CUE_B	94 06 Value	"7F": On – "00": Off
SH + PLAY_B	94 07 Value	"7F": On – "00": Off
SH + LOOP_IN_B	94 09 Value	"7F": On – "00": Off
SH + LOOP_OUT_B	94 0A Value	"7F": On – "00": Off
SH + PFL_B	94 0C Value	"7F": On – "00": Off
SH + P1_B (MODE1)	97 08 Value	"7F": On – "00": Off
SH + P2_B (MODE1)	97 09 Value	"7F": On – "00": Off
SH + P3_B (MODE1)	97 0A Value	"7F": On – "00": Off
SH + P4_B (MODE1)	97 0B Value	"7F": On – "00": Off
SH + P1_B (MODE2)	97 18 Value	"7F": On – "00": Off
SH + P2_B (MODE2)	97 19 Value	"7F": On – "00": Off
SH + P3_B (MODE2)	97 1A Value	"7F": On – "00": Off
SH + P4_B (MODE2)	97 1B Value	"7F": On – "00": Off
SH + P1_B (MODE3)	97 28 Value	"7F": On – "00": Off
SH + P2_B (MODE3)	97 29 Value	"7F": On – "00": Off
SH + P3_B (MODE3)	97 2A Value	"7F": On – "00": Off
SH + P4_B (MODE3)	97 2B Value	"7F": On – "00": Off
SH + P1_B (MODE4)	97 38 Value	"7F": On – "00": Off
SH + P2_B (MODE4)	97 39 Value	"7F": On – "00": Off
SH + P3_B (MODE4)	97 3A Value	"7F": On – "00": Off
SH + P4_B (MODE4)	97 3B Value	"7F": On – "00": Off

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## iv. Deck B

MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
VINYL_B	92 03 Value	"7F": On – "00": Off
SYNC_B	92 05 Value	"7F": On – "00": Off
CUE_B	92 06 Value	"7F": On – "00": Off
PLAY_B	92 07 Value	"7F": On – "00": Off
LOOP_IN_B	92 09 Value	"7F": On – "00": Off
LOOP_OUT_B	92 0A Value	"7F": On – "00": Off
PFL_B	92 0C Value	"7F": On – "00": Off
P1_B (MODE1)	97 00 Value	"7F": On – "00": Off
P2_B (MODE1)	97 01 Value	"7F": On – "00": Off
P3_B (MODE1)	97 02 Value	"7F": On – "00": Off
P4_B (MODE1)	97 03 Value	"7F": On – "00": Off
P1_B (MODE2)	97 10 Value	"7F": On – "00": Off
P2_B (MODE2)	97 11 Value	"7F": On – "00": Off
P3_B (MODE2)	97 12 Value	"7F": On – "00": Off
P4_B (MODE2)	97 13 Value	"7F": On – "00": Off
P1_B (MODE3)	97 20 Value	"7F": On – "00": Off
P2_B (MODE3)	97 21 Value	"7F": On – "00": Off
P3_B (MODE3)	97 22 Value	"7F": On – "00": Off
P4_B (MODE3)	97 23 Value	"7F": On – "00": Off
P1_B (MODE4)	97 30 Value	"7F": On – "00": Off
P2_B (MODE4)	97 31 Value	"7F": On – "00": Off
P3_B (MODE4)	97 32 Value	"7F": On – "00": Off
P4_B (MODE4)	97 33 Value	"7F": On – "00": Off

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

### V. Deck B+Shift

MIDI CONTROL	NOTE ON MESSAGE	VALUE DESCRIPTION
SH + VINYL_B	94 03 Value	"7F": On – "00": Off
SH + SYNC_B	94 05 Value	"7F": On – "00": Off
SH + CUE_B	94 06 Value	"7F": On – "00": Off
SH + PLAY_B	94 07 Value	"7F": On – "00": Off
SH + LOOP_IN_B	94 09 Value	"7F": On – "00": Off
SH + LOOP_OUT_B	94 0A Value	"7F": On – "00": Off
SH + PFL_B	94 0C Value	"7F": On – "00": Off
SH + P1_B (MODE1)	97 08 Value	"7F": On – "00": Off
SH + P2_B (MODE1)	97 09 Value	"7F": On – "00": Off
SH + P3_B (MODE1)	97 0A Value	"7F": On – "00": Off
SH + P4_B (MODE1)	97 0B Value	"7F": On – "00": Off
SH + P1_B (MODE2)	97 18 Value	"7F": On – "00": Off
SH + P2_B (MODE2)	97 19 Value	"7F": On – "00": Off
SH + P3_B (MODE2)	97 1A Value	"7F": On – "00": Off
SH + P4_B (MODE2)	97 1B Value	"7F": On – "00": Off
SH + P1_B (MODE3)	97 28 Value	"7F": On – "00": Off
SH + P2_B (MODE3)	97 29 Value	"7F": On – "00": Off
SH + P3_B (MODE3)	97 2A Value	"7F": On – "00": Off
SH + P4_B (MODE3)	97 2B Value	"7F": On – "00": Off
SH + P1_B (MODE4)	97 38 Value	"7F": On – "00": Off
SH + P2_B (MODE4)	97 39 Value	"7F": On – "00": Off
SH + P3_B (MODE4)	97 3A Value	"7F": On – "00": Off
SH + P4_B (MODE4)	97 3B Value	"7F": On – "00": Off



# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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## vi. VU-Meters

### 1. Tempo guide

Tempo guide with Beatmatch Guide = ON

MIDI CONTROL	MESSAGE	VALUE DESCRIPTION
PITCH_UP_A_(ON)	91 1E Value	"7F": On – "00": Off
PITCH_DOWN_A_(ON)	91 1F Value	"7F": On – "00": Off
PITCH_UP_B_(ON)	92 1E Value	"7F": On – "00": Off
PITCH_DOWN_B_(ON)	92 1F Value	"7F": On – "00": Off

Tempo guide with Beatmatch Guide = OFF

MIDI CONTROL	MESSAGE	VALUE DESCRIPTION
PITCH_UP_A_(OFF)	91 23 Value	"7F": On – "00": Off
PITCH_DOWN_A_(OFF)	91 24 Value	"7F": On – "00": Off
PITCH_UP_B_(OFF)	92 23 Value	"7F": On – "00": Off
PITCH_DOWN_B_(OFF)	92 24 Value	"7F": On – "00": Off

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

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## 2. Beat-Align guide

Beat-Align guide with Beatmatch Guide = ON

MIDI CONTROL	MESSAGE	VALUE DESCRIPTION
JOG_BEND_LEFT_A_(ON)	91 1C Value	"7F": On – "00": Off
JOG_BEND_RIGHT_A_(ON)	91 1D Value	"7F": On – "00": Off
JOG_BEND_LEFT_B_(ON)	92 1C Value	"7F": On – "00": Off
JOG_BEND_RIGHT_B_(ON)	92 1D Value	"7F": On – "00": Off

Beat-Align guide with Beatmatch Guide = OFF

MIDI CONTROL	MESSAGE	VALUE DESCRIPTION
JOG_BEND_LEFT_A_(OFF)	91 21 Value	"7F": On – "00": Off
JOG_BEND_RIGHT_A_(OFF)	91 22 Value	"7F": On – "00": Off
JOG_BEND_LEFT_B_(OFF)	92 21 Value	"7F": On – "00": Off
JOG_BEND_RIGHT_B_(OFF)	92 22 Value	"7F": On – "00": Off

# MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

## 3. Energy meter (backlight on browser ring)

MIDI CONTROL	MESSAGE	VALUE DESCRIPTION
ENERGY LEVEL	90 05 Value	Value = see table below

Table of Values / Color:

	0	1	2	3	4	5	6	7
0	Black	Green	Dark Red	Light Green	Red	Olive	Red	Orange
1	Dark Blue	Teal	Purple	Light Green	Magenta	Tan	Pink	Light Orange
2	Blue	Cyan	Dark Purple	Light Blue	Purple	Grey	Bright Pink	Pink
3	Blue	Cyan	Purple	Light Blue	Purple	Light Purple	Bright Pink	Pink
4	Dark Green	Green	Brown	Light Green	Red	Olive	Red	Orange
5	Dark Blue	Teal	Purple	Light Green	Magenta	Olive	Pink	Light Orange
6	Blue	Cyan	Purple	Light Blue	Purple	Grey	Bright Pink	Light Orange
7	Blue	Cyan	Purple	Light Blue	Purple	Light Purple	Bright Pink	Pink
8	Dark Green	Green	Brown	Light Green	Brown	Olive	Red	Yellow
9	Dark Blue	Teal	Purple	Light Green	Magenta	Olive	Pink	Light Orange
A	Blue	Cyan	Purple	Light Blue	Purple	Light Green	Bright Pink	Light Orange
B	Blue	Cyan	Purple	Light Blue	Purple	Light Blue	Bright Pink	Pink
C	Dark Green	Green	Brown	Light Green	Brown	Olive	Orange	Yellow
D	Dark Green	Green	Grey	Light Green	Brown	Olive	Red	Yellow
E	Blue	Cyan	Purple	Light Blue	Purple	Light Green	Pink	Light Yellow
F	Blue	Cyan	Purple	Light Blue	Purple	Light Blue	Bright Pink	White

## **MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200**

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### **Examples of MIDI values = LED colors**

Value 00 = LED Off

Value 01 = Very dark blue

Value 03 = Dark blue

Value 05 = Medium-dark blue

Value 0B = Medium blue

Value 17 = Light blue

Value 1E = Light blue-green

Value 3C = Light green

Value 60 = Full red

Value 64 = Light red

Value 6C = Orange

Value 74 = Light orange

Value 7C = Yellow

Value 7F = White

So, to turn the Energy Level vu-meter in full red, send the MIDI command: 90 05 60

## MIDI COMMANDS OF HERCULES DJCONTROL INPULSE 200

### 3) General MDI information

#### a) Get the status of all controls

Send MIDI command B0 7F 7F

#### b) Know a MIDI controller name and ID

Send MIDI SysEX F0 7E 7F 06 01 F7

Answer

F0 7E 7F 06 02 **00 01 4E** **02 00 19 00 01 00 00 00** F7

<b>00 01 4E</b>	<b>Manufacturer: Guillemot Corp</b>
<b>02 00</b>	<b>Range Hercules</b>
<b>19 00</b>	<b>Product DJControl Inpulse 200</b>
<b>01 00 00 00</b>	<b>Version 1.0</b>