### DDJ-400

List of MIDI messages version 1.00

#### Channel Category

<table>
<thead>
<tr>
<th>Group</th>
<th>Channel</th>
<th>User function</th>
<th>MIDI assign reference</th>
<th>MIDI-IN</th>
<th>MIDI-OUT</th>
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<tbody>
<tr>
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#### Channel No.

- **CHANNEL**: Bank 1
- **MIDI**: Bank 2

#### MIDI messages

<table>
<thead>
<tr>
<th>Channel No.</th>
<th>MIDI type</th>
<th>Data 1 (English scale)</th>
<th>Data 2 (Hex)</th>
<th>Details (data 2)</th>
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<tbody>
<tr>
<td>1</td>
<td>1/2 NOTE</td>
<td>61 C#4</td>
<td>9n 3D</td>
<td>OFF=0x00, ON=0x7F</td>
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<td>2</td>
<td>1/2 NOTE</td>
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<td>9n 3E</td>
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<td>9n 50</td>
<td>OFF=0x00, ON=0x7F (*)2</td>
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<td>4</td>
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<td>9n 4C</td>
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<tr>
<td>5</td>
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<td>9n 60</td>
<td>OFF=0x00, ON=0x7F (*2)</td>
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<tr>
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<td>29</td>
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<td>30</td>
<td>7 NOTE</td>
<td>70 A#4</td>
<td>9n 46</td>
<td>OFF=0x00, ON=0x7F</td>
</tr>
</tbody>
</table>

#### Note

- **CC**: Control Change
- **NOTE**: Note

#### MIDI OUT

- **DECK 1 PERFORMANCE PAD (with SHIFT)**
- **DECK 1 PERFORMANCE PAD (without SHIFT)**
- **DECK 2 PERFORMANCE PAD (with SHIFT)**
- **DECK 2 PERFORMANCE PAD (without SHIFT)**
- **BROWSER**
- **EFFECT**
- **DECK 1 (other than PERFORMANCE PAD)**
- **DECK 2 (other than PERFORMANCE PAD)**

#### User Interface

- **Channel Category**: Bank 1
- **Channel**: Bank 2

#### Control Information

- **Selector**: Bank 1
- **Bank**: Bank 2

### MIDI Channel

- **MIDI channel is defined as shown below.**

### MIDI Data (Data 1 and Data 2)

- **User interface**: Bank 1
- **MIDI channel**: Bank 2
- **MIDI-IN**: Bank 2
- **MIDI-OUT**: Bank 2

### MIDI data

- **MIDI**: Bank 2
- **MIDI-OUT**: Bank 2

### MIDI-IN

- **Same as MIDI-IN**: Bank 1
- **MIDI-IN**: Bank 2

### MIDI-OUT

- **Same as MIDI-OUT**: Bank 1
- **MIDI-OUT**: Bank 2

#### Difference Count Value

- **Value from previous operated**: Bank 1
- **Difference count value**: Bank 1

#### Difference Count Value from Previous Operated

- **Difference count value from previous operated**: Bank 1
- **Value from previous operated**: Bank 1

#### Control change

- **Value from previous operated**: Bank 1
- **Difference count value**: Bank 1

#### MIDI assignment reference

- **MIDI-IN**: Bank 1
- **MIDI-OUT**: Bank 1

### MIDI-IN (from computer)

- **Same as MIDI-IN**: Bank 1
- **MIDI-IN**: Bank 2

### MIDI-OUT (to computer)

- **Same as MIDI-OUT**: Bank 1
- **MIDI-OUT**: Bank 2

#### Turn counterclockwise

- **Decreases from 63 (0x3F)**
- **Difference count value**: Bank 1

#### Turn clockwise

- **Increases from 65 (0x41)**
- **Difference count value**: Bank 1
<table>
<thead>
<tr>
<th>Group</th>
<th>Fg</th>
<th>Device</th>
<th>User interface</th>
<th>MIDI-control reference</th>
<th>Details (Note 2)</th>
</tr>
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<tbody>
<tr>
<td>MIX-1</td>
<td>M1</td>
<td>CROSSFADER</td>
<td>CH FADER</td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-2</td>
<td>M2</td>
<td>CROSSFADER</td>
<td>CH FADER (Fade Bar)</td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-3</td>
<td>M3</td>
<td>Turbo</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-4</td>
<td>M4</td>
<td>EQ HI</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-5</td>
<td>M5</td>
<td>EQ MID</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-6</td>
<td>M6</td>
<td>EQ LOW</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-7</td>
<td>M7</td>
<td>CH LOM (headphone)</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>MIX-8</td>
<td>M8</td>
<td>MASTER LEVEL</td>
<td></td>
<td>8/10</td>
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<tr>
<td>MIX-9</td>
<td>M9</td>
<td>MASTER Cue</td>
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<td>+SHIFT 11</td>
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<tr>
<td>MIX-10</td>
<td>M10</td>
<td>HEADPHONES 2</td>
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<td>8/10</td>
<td>+SHIFT 11</td>
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<tr>
<td>MIX-11</td>
<td>M11</td>
<td>HEADPHONES LEVEL</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
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<td>MIX-12</td>
<td>M12</td>
<td>STORE METER</td>
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<td>8/10</td>
<td>+SHIFT 11</td>
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<tr>
<td>F1-1</td>
<td>F1-1</td>
<td>FILTER</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
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<tr>
<td>F1-2</td>
<td>F1-2</td>
<td>FILTER</td>
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<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>F2</td>
<td>F2</td>
<td>BEAT FX</td>
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<td>8/10</td>
<td>+SHIFT 11</td>
</tr>
<tr>
<td>F3</td>
<td>F3</td>
<td>BEAT FX</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
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<tr>
<td>F4</td>
<td>F4</td>
<td>BEAT FX SELECT</td>
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<tr>
<td>F5</td>
<td>F5</td>
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<td>+SHIFT 11</td>
</tr>
<tr>
<td>F6</td>
<td>F6</td>
<td>BEAT FX LEVEL/OCTAVE</td>
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<td>8/10</td>
<td>+SHIFT 11</td>
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<tr>
<td>F7</td>
<td>F7</td>
<td>BEAT FX CHORUS</td>
<td></td>
<td>8/10</td>
<td>+SHIFT 11</td>
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</tbody>
</table>

**Notes:**
1. When turned fully clockwise: Max
2. When turned fully counterclockwise: Min
3. Default value: 0
4. Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
5. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
6. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
7. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
8. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
9. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
10. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
11. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
12. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
13. Default value: 0x00, Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
14. Data 1 (Hex): 0x00, Data 2 (Hex): 0x7F
## MIDI OUT

### Settings

#### MIDI-OUT (Data [2])

<table>
<thead>
<tr>
<th>Note</th>
<th>Value</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>0x00</td>
<td>OFF</td>
</tr>
<tr>
<td>127</td>
<td>0x7F</td>
<td>ON</td>
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#### MIDI-OUT (Data [3])

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<td>0</td>
<td>0x00</td>
<td>OFF</td>
</tr>
<tr>
<td>127</td>
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<td>ON</td>
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### Hot Cue Mode

#### Pad 5

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<th>Value</th>
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<td>(Default : 0x07)</td>
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#### Pad 6

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<tr>
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#### Pad 7

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#### Pad 8

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### Beat Loop Mode

#### Pad 5

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#### Pad 6

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<tr>
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### Beat Jump Mode

#### Pad 5

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#### Pad 6

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<tr>
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#### Pad 7

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### Sampler Mode

#### Pad 5

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#### Pad 6

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<tr>
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<tbody>
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<td>(Default : 0x07)</td>
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<table>
<thead>
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<th>Description</th>
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<tbody>
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<td>(Default : 0x07)</td>
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#### Pad 8

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### Keyboard Mode

#### Pad 5

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<tbody>
<tr>
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<td>(Default : 0x07)</td>
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<table>
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<tbody>
<tr>
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<td>0x34</td>
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<tbody>
<tr>
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#### Pad 8

<table>
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<td>(Default : 0x07)</td>
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</table>

### Vinyl Mode

#### Pad 5

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<tbody>
<tr>
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<td>(Default : 0x07)</td>
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#### Pad 6

<table>
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<tr>
<th>Note</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0x34</td>
<td>(Default : 0x07)</td>
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#### Pad 7

<table>
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<tr>
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<tbody>
<tr>
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<td>(Default : 0x07)</td>
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#### Pad 8

<table>
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<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>97</td>
<td>0x34</td>
<td>(Default : 0x07)</td>
</tr>
</tbody>
</table>

### User interface

<table>
<thead>
<tr>
<th>Pad</th>
<th>Function</th>
<th>LED status</th>
<th>User interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Press</td>
<td>Flash</td>
<td>Another button</td>
</tr>
<tr>
<td>2</td>
<td>Press</td>
<td>Flash</td>
<td>Another button</td>
</tr>
<tr>
<td>3</td>
<td>Press</td>
<td>Flash</td>
<td>Another button</td>
</tr>
</tbody>
</table>

### Notes

1. Vinyl mode can not be turned off via the DDJ-400. To turn Vinyl mode off, send the following MIDI message \[0x9n, 0x17, 0x00\] using any DJ application.
2. Only the \[BEAT JUMP\] button: The MIDI message is sent to your PC/Mac when it is released from your finger, not pressed.
3. The following MIDI messages \[0x94, 0x10, 0x7F\] and \[0x94, 0x11, 0x00\] are sent to your PC/Mac when the \[BEAT FX CH SELECT\] switch selects CH 1.
4. To change to the PAD FX mode 2, press the \[BEAT JUMP\] mode button while pressing the \[SHIFT\] button.
5. You can adjust cut-lag for Crossfader by unit of approximately 0.1 mm.
6. To change to the KEY/SHIFT mode, press the \[SAMPLE FX\] mode button while pressing the \[SHIFT\] button.
7. To change to the BEAT LOOP mode, press the \[BEAT LOOP\] mode button while pressing the \[SHIFT\] button.
8. To change to the KEY/SHIFT mode, press the \[SAMPLE FX\] mode button while pressing the \[SHIFT\] button.
9. To change to the KEY/SHIFT mode, press the \[SAMPLE FX\] mode button while pressing the \[SHIFT\] button.