| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MidiEvent.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/midi/MidiFileFormat.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/midi/MidiEvent.html)    [**NO FRAMES**](http://docs.google.com/MidiEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.sound.midi**

Class MidiEvent

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.sound.midi.MidiEvent**

public class **MidiEvent**extends [Object](http://docs.google.com/java/lang/Object.html)

MIDI events contain a MIDI message and a corresponding time-stamp expressed in ticks, and can represent the MIDI event information stored in a MIDI file or a [Sequence](http://docs.google.com/javax/sound/midi/Sequence.html) object. The duration of a tick is specified by the timing information contained in the MIDI file or Sequence object.

In Java Sound, MidiEvent objects are typically contained in a [Track](http://docs.google.com/javax/sound/midi/Track.html), and Tracks are likewise contained in a Sequence.

| **Constructor Summary** | |
| --- | --- |
| [**MidiEvent**](http://docs.google.com/javax/sound/midi/MidiEvent.html#MidiEvent(javax.sound.midi.MidiMessage,%20long))([MidiMessage](http://docs.google.com/javax/sound/midi/MidiMessage.html) message, long tick)            Constructs a new MidiEvent. |

| **Method Summary** | |
| --- | --- |
| [MidiMessage](http://docs.google.com/javax/sound/midi/MidiMessage.html) | [**getMessage**](http://docs.google.com/javax/sound/midi/MidiEvent.html#getMessage())()            Obtains the MIDI message contained in the event. |
| long | [**getTick**](http://docs.google.com/javax/sound/midi/MidiEvent.html#getTick())()            Obtains the time-stamp for the event, in MIDI ticks |
| void | [**setTick**](http://docs.google.com/javax/sound/midi/MidiEvent.html#setTick(long))(long tick)            Sets the time-stamp for the event, in MIDI ticks |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### MidiEvent

public **MidiEvent**([MidiMessage](http://docs.google.com/javax/sound/midi/MidiMessage.html) message,  
 long tick)

Constructs a new MidiEvent.

**Parameters:**message - the MIDI message contained in the eventtick - the time-stamp for the event, in MIDI ticks

| **Method Detail** |
| --- |

### getMessage

public [MidiMessage](http://docs.google.com/javax/sound/midi/MidiMessage.html) **getMessage**()

Obtains the MIDI message contained in the event.

**Returns:**the MIDI message

### setTick

public void **setTick**(long tick)

Sets the time-stamp for the event, in MIDI ticks

**Parameters:**tick - the new time-stamp, in MIDI ticks

### getTick

public long **getTick**()

Obtains the time-stamp for the event, in MIDI ticks

**Returns:**the time-stamp for the event, in MIDI ticks

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MidiEvent.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/sound/midi/MidiDevice.Info.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/midi/MidiFileFormat.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/midi/MidiEvent.html)    [**NO FRAMES**](http://docs.google.com/MidiEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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