

Defined Types

MIDIAlarmReplyFunction

DECLARED IN `mididriver/midi_driver.h`

SYNOPSIS

typedef void

```
(*MIDIAlarmReplyFunction)(port_t replyPort, int requestedTime,  
int actualTime);
```

DESCRIPTION	This function is used to handle requests for alarm registered by the MIDIRequestAlarm() function. <i>replyPort</i> represents the port passed by the MIDIRequestAlarm() function. <i>requestedTime</i> represents the time passed by the MIDIRequestAlarm() function. <i>actualTime</i> represents the actual time at which the alarm is sent.
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MIDIDataReplyFunction

DECLARED IN `mididriver/midi_driver.h`

SYNOPSIS

```
typedef void
```

[illegible]

DESCRIPTION This function is used to handle requests for data registered by the **MIDIRequestData()** function. *replyPort* represents the port passed by the **MIDIRequestData()** function. *events* represents an array of MIDIRawEvent data. *count* represents the number of elements in *events*.

MIDIExceptionReplyFunction

DECLARED IN `mididriver/midi driver.h`

SYNOPSIS

typedef void

```
(*MIDIExceptionReplyFunction)(port t replyPort, int exception);
```

DESCRIPTION	This function is used to handle requests for exceptions registered by the MIDIRequestExceptions() function. <i>replyPort</i> represents the port passed by the MIDIRequestExceptions() function. <i>exception</i> represents the exception sent by the driver.
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MIDIQueueReplyFunction

DECLARED IN `mididriver/midi driver.h`

SYNOPSIS

typedef void

```
(*MIDIQueueReplyFunction)(port t replyPort, short unit);
```

DESCRIPTION This function is used to handle requests for queue information registered by the **MIDIRequestQueueNotification()** function. *replyPort* represents the port passed by the

(from original 1.0 MIDI spec)
MIDI_EFFECTS1
MIDI_EFFECTS2
MIDI_EFFECTS3
MIDI_EFFECTS4
MIDI_EFFECTS5
MIDI_DATAINCREMENT
MIDI_DATADECREMENT
(From June 1990 spec)

Error Codes

DECLARED IN mididriver/midi_driver.h

SYNOPSIS	MIDI_ERROR_BUSY
MIDI_ERROR_NOT_OWNER	
MIDI_ERROR_QUEUE_FULL	
MIDI_ERROR_BAD_MODE	
MIDI_ERROR_UNIT_UNAVAILABLE	
MIDI_ERROR_ILLEGAL_OPERATION	
MIDI_ERROR_UNKNOWN_ERROR	

Event Count

DECLARED IN mididriver/midi_driver.h

SYNOPSIS	MIDI_MAX_EVENT	100
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Event Size

DECLARED IN mididriver/midi_driver.h

SYNOPSIS	MIDI_MAX_MSG_SIZE	1024
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Exception Codes

DECLARED IN mididriver/midi_driver.h

SYNOPSIS	MIDI_EXCEPTION_MTC_STOPPED
MIDI_EXCEPTION_MTC_STARTED_FORWARD	
MIDI_EXCEPTION_MTC_STARTED_REVERSE	

General MIDI Constants

DECLARED IN mididriver/midi_spec.h

SYNOPSIS	MIDI_RESETCONTROLLERS
MIDI_LOCALCONTROL	

MIDI_ALLNOTESOFF
MIDI_OMNIOFF
MIDI_OMNION
MIDI_MONO
MIDI_POLY
MIDI_NOTEOFF
MIDI_NOTEON
MIDI_POLYPRES
MIDI_CONTROL
MIDI_PROGRAM
MIDI_CHANPRES
MIDI_PITCH
MIDI_CHANMODE
MIDI_CONTROL
MIDI_SYSTEM
MIDI_SYSEXCL
MIDI_TIMECODEQUARTER
MIDI_SONGPOS
MIDI_SONGSEL
MIDI_TUNEREQ
MIDI_EOX
MIDI_CLOCK
MIDI_START
MIDI_CONTINUE
MIDI_STOP
MIDI_ACTIVE
MIDI_RESET
MIDI_MAXDATA
MIDI_MAXCHAN
MIDI_NUMCHANS
MIDI_NUMKEYS
MIDI_ZEROBEND
MIDI_DEFAULTVELOCITY

DESCRIPTION These constants represent various MIDI-specified messages.

Ignores

DECLARED IN mididriver/midi_driver.h

SYNOPSIS

MIDI_IGNORE_START
MIDI_IGNORE_CONTINUE
MIDI_IGNORE_STOP
MIDI_IGNORE_ACTIVE
MIDI_IGNORE_RESET
MIDI_IGNORE_REAL_TIME

MIDI_IGNORE_CLOCK

DESCRIPTION Used with the **MIDISetSystemIgnores()** function.

Least Significant Bit for Controller Numbers

DECLARED IN mididriver/midi_spec.h

SYNOPSIS

MIDI_BREATHLSB
MIDI_FOOTLSB
MIDI_PORTAMENTOTIMELSB
MIDI_DATAENTRYLSB
MIDI_MAINVOLUME
MIDI_BALANCELSB
MIDI_PANLSB
MIDI_EXPRESSIONLSB

MIDI_MODWHEELLSB

Masks for MIDI Status Bytes

DECLARED IN

mididriver/midi_spec.h

SYNOPSIS

MIDI_STATUSMASK
MIDI_SYSRTBIT

MIDI_STATUSBIT

Miscellaneous

DECLARED IN

mididriver/midi_driver.h

SYNOPSIS

MIDI_NO_TIMEOUT

MIDI Controller Numbers

DECLARED IN

mididriver/midi_spec.h

SYNOPSIS

MIDI_BREATH
MIDI_FOOT
MIDI_PORTAMENTOTIME
MIDI_DATAENTRY
MIDI_MAINVOLUME
MIDI_BALANCE
MIDI_PAN
MIDI_EXPRESSION
MIDI_EFFECTCONTROL1
MIDI_EFFECTCONTROL2
MIDI_DAMPER
MIDI_PORTAMENTO
MIDI_SOSTENUTO
MIDI_SOFTPEDAL
MIDI_HOLD2

MIDI_MODWHEEL

Port Constants

DECLARED IN

mididriver/midi_driver.h

SYNOPSIS

MIDI_PORT_A_UNIT

MIDI_PORT_B_UNIT

DESCRIPTION Used to identify the port claimed for the application.