

# **NewMidi**

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<b>COLLABORATORS</b>
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	<i>TITLE :</i> NewMidi		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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# Chapter 1

## NewMidi

### 1.1 Midi.device © 1997 Oliver Stache

Midi.device - By Oliver Stache

A midi-out-driver for the Shapeshifter Macintosh emulator

```
~Copyright~    ~    Copyright and other legal stuff
~Background~  ~    postcard-ware, background, requirements
~Installation~ ~    Just follow these simple instructions
~Usage        ~    Usage and problems
~Compatibility~ ~    Compatibility and limitations
~Thanks       ~    Credits
  Author      ~    How to reach me.

~Feedback/Help~  All reports good or bad are needed
```

### 1.2 Copyright

Copyright and other legal stuff

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)
8nl.device   Copyright (C) 1997 L.Lucius  (llucius@millcomm.com)
              Iain Barclay (iainb@thenet.co.uk)
MidiPhone    Copyright (C) 1993 Mark F. Coniglio, all rights reserved
              (See separate MidiPhone Documentation)
```

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## 1.3 Background

#### POSTCARD-WARE

It was a lot of work to figure out how to get midi to work on Shapeshifter. So if you like the program, send me an e-mail with your favourite midi-songs or a postcard (I like to get mail:-).

#### BACKGROUND

A while ago i bought a keyboard and then a little bit later i build a midi- ↔ interface.

But then i was dissapointed, because midi was not possible with Shapeshifter and there aren't good shareware midi-programs for the amiga.

I tried many possibilities to get midi to work with Shapeshifter until i found a Solution.

Here it is:

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The Mac programm MidiPhone transfers all incoming data from Apple's Midi-Manager to a Modem (serial.device) and vice versa.  
I replaced the Amiga serial.device with my own device, which is fixed to midi-speed (31250 baud), no matter what baudrate MidiPhone ask's for.

Now one can use most of the wonderful midi software for the Apple Macintosh.

#### REQUIREMENTS

The Shapeshifter midi-driver needs at last:

Shapeshifter and a Amiga midi-interface, of curse

Apple's Midi Expansion 2.02 (C) Apple 1988-1990 (not included in this archive)  
You can get the Apple Midi-Manager from internet (get obsolete-unsupported.hqx from ftp.apple.com).

If I get the permission from Apple I will include it in another release.

MidiPhone v0.61 (C) by Mark F. Coniglio (included)

## 1.4 Author

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## 1.5 Installation

- \* Rename one of the devices, e.g. midi.device\_040 to midi.device  
The 000 device will work on chip only machines.  
The 030 device will work on chip machines but works best with fast ram and the CopyMemQuicker patch installed  
The 040 device needs fast ram and eventually the CopyMemQuicker patch installed.
- \* Simply copy midi.device to the DEVS: directory and configure Shapeshifter to use this device instead of the serial.device.
- \* Start Shapeshifter and install Apple's MIDI Manager 2.0.2

To install the Apple MIDI Manager, move the following files from the "MIDI Management Tools 2.0.2" folder into the following places:

- 1.) Drag the file "MIDI Manager" onto your system folder.

Click "OK" on the dialog box which appears.  
2.) Drag the file "Apple MIDI Driver" onto your system folder.  
This file stays just in the System folder itself, not in the Extensions ←  
folder.

The Apple MIDI Manager is now installed.  
You will need to reboot the Macintosh for your changes to take effect.

Open Patchbay and select the icon in the Patchbay-window. From the menu choose 'Open Panel' and deactivate both ports. If you don't do that, the Midi-Manager lock's the serial or printer.device, so that it is not usable for MidiPhone.

\* Transfer Midiphone.sit to the Mac-Harddisk and unstuff it.  
The first time you load MidiPhone, after the startup information appears, you will see the MIDI/Serial Setup dialog.

From this dialog choose Midi Communications: Midi Manager and Serial ←  
communications:  
Modem, 19200 baud, 8N1, NO Hardware Handshake.

## 1.6 Compatibility

Midi-Out works.  
Midi-In works not, because MidiPhone patches some Mac-Interrupt-vectors for faster ←  
serial  
input. And Shapeshifter isn't able to emulate that.  
As long as Midi-In doesn't work, you can record the midi-data with your favourite ←  
amiga  
application and then edit and play it with a macintosh program.

If you want to see Midi-In working too, read the Feedback/Help section !

midi.device should be compatible with every application that uses the Apple Midi ←  
Driver.  
I tested midi.device with following applications:

MidiGraphy v1.3.3 , a very good shareware program  
PlayerPro 4.5 , a .mod and .midi player

It should be compatible with every Amiga midi-interface connected to the serial- ←  
port.  
Dont't try to use other options than

8 data bits  
No parity  
1 stop bit  
No handshaking

for midi.device.

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## 1.7 Usage

### USAGE

Start MidiPhone and choose "Activate Midi" from the menu.

Start your favourite midi application

Open Patchbay and make a connection from your App to Midiphone:  
App Out -> Midiphone In

### PROBLEMS

- \* MidiPhone can't open the port:  
Make sure that no other application (Amiga or Mac) is using the serial port, especially the Midi-Manager (see Installation)
- \* I can't see MidiPhone and/or the midi-application in Patchbay:  
Make sure your app is Midi-Manager compatible (almost all are).  
Configure MidiPhone and the app to use Midi-Manager.
- \* No Sound (Midi Output)  
Often it helps to quit and restart MidiPhone (bug in Midiphone?).  
Check the MidiPhone Setup and the Patchbay connections.  
If your midi-app has several midi-outputs the connected port in Patchbay must be the same as the playback-port in your application.

## 1.8 Thanks

I would like to thank

L.Lucius E-mail at: llucius@millcomm.com  
and  
Iain Barclay E-mail at: iainb@thenet.co.uk

for the source-code of the 8nl.device, which is base of the midi.device,

Mark F. Coniglio, for the program MidiPhone.

## 1.9 Feedback/Bugs

If you have experience in Macintosh-programming (interrupts, serial-io, midi, etc ←  
..)  
and you would like to get Midi-Input working too, please contact me.

If you have problems or feedback I would be very glad to hear about it.

Author.

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