



# Tech Info Library

## Apple MIDI Interface: Specifications

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Security: Everyone

Apple MIDI Interface: Specifications

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These are the specifications for the Apple MIDI interface:

### Size

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- Depth 1.31 in. approx.
- Width 2.08 in. approx.
- Length 2.92 in. approx.

### Connectors and cables

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Port	Connector	Cable Length
MIDI In	DIN 5	2 meters
MIDI Out	DIN 5	2 meters
Serial	Mini Circular 8	46 cm

### MIDI DIN 5 Pinouts

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Connector	Pin #	Description
MIDI IN	1	No Connect
MIDI IN	2	Shield Ground
MIDI IN	3	No Connect
MIDI IN	4	Interface Enable
MIDI IN	5	Data In
MIDI OUT	1	No Connect
MIDI OUT	2	Shield Ground
MIDI OUT	3	No Connect
MIDI OUT	4	+5 Volts
MIDI OUT	5	Data Out

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NOTE: The Apple MIDI interface does not support MIDI THRU. However, a MIDI musical instrument may have a MIDI THRU port which can be used.

## Power

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The Apple MIDI interface requires no external power supply or power cable. Power for the Apple MIDI interface is supplied through the serial port from the system.

## Connecting the Apple MIDI Interface to a Computer

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The Apple MIDI interface may be connected to either the PRINTER or MODEM ports of the Macintosh or Apple IIGS. However, depending on the software used, it may be necessary to use only one of the two ports. Consult the current software manual for the proper port selection.

To connect one MIDI device to your computer:

- Run one MIDI cable from the IN port on the MIDI interface to the OUT port on the MIDI device
- Connect the other MIDI cable from the MIDI Out port of the MIDI interface to the In port of the MIDI device.
- WITH THE COMPUTER TURNED OFF, connect one end of the mini circular-8 cable to the computer and the other end to the Apple MIDI interface. When the MIDI interface is being used with the Apple IIGS it may also be necessary to reconfigure some parameters in the systems control panel.

To connect two MIDI devices to your computer:

- Connect the first device (the one with a keyboard) as in the directions above for one device.
- Run a third cable from the Thru port on the first MIDI device to the In port on the second MIDI device.

To connect a third (or more) MIDI device:

- Run a fourth cable from the THRU port on the second device to the IN port on the third MIDI device.
- This process can be continued with a cable from the third MIDI device to the IN port on the fourth MIDI device, and so on, as you continue to string MIDI interfaces.

NOTE: Only the FIRST device, the one with an outbound line back to the computer, can send information back to the computer. The other devices can only respond to signals generated by the computer, or by the first device as relayed by the computer. Some MIDI software has a keyboard select feature or a command for PATCH THROUGH which lets you send signals generated from the first device to other devices.

As an alternative, if you have a keyboard controller and one other MIDI device, you can run one cable from the OUT port on the controller to the IN port on the Apple MIDI interface, and then run the other MIDI cable from the OUT port on the Apple MIDI interface to the IN port of the second MIDI device.

There is no reason to connect a cable from the Apple MIDI interface to the IN port of the controller -- a controller does not play music.

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