

## Disaster Area Designs

gHOST Converter  
Quick Start Guide  
Rev 1.00  
November 2014  
Firmware v1.0a



The gHOST Converter is a standalone USB Host to Serial MIDI Converter unit. The gHOST Converter is designed to allow USB MIDI gear to communicate with legacy DIN / serial MIDI devices. The gHOST Converter will accept MIDI input from either the USB MIDI device or the 5-pin DIN port and translate the data to all connected devices. The communication protocol works both ways, so MIDI data from DIN goes to USB and vice-versa.



### Instructions:

Connect your MIDI device to the USB HOST port of the gHOST Converter. The HOST port is the rectangular USB "A" port. The square USB B port is for firmware updates only, and will not connect to your MIDI devices.

Connect the MIDI input and / or output of the gHOST Converter to your legacy MIDI gear..

Power the an appropriate DC power supply. Please note that the gHOST will supply the power to your USB device, and that the power supply must be sufficient to run both the gHOST itself (60mA) and the USB device (up to 500mA.)

When the gHOST Converter is powered on, the status LED will blink. When the status LED is solid red, the Converter is accepting messages. The LED does not blink after boot.

The gHOST Converter will work with up to four USB devices connected to a powered USB hub. Each device on the hub will receive data directed to it based on the MIDI channel of the incoming data. The first device to enumerate will receive data on channel 1, the second on 2, and so on. If only a single device is connected to the gHOST Converter, it will receive data sent to MIDI channel 1 only.

Any device requiring more than 500mA of supply should be powered by its own power supply.

The RESET button on the rear of the gHOST Converter is used to put the unit into "bootloader" mode for firmware updates only. This button will not restart the unit if pressed accidentally.