FB-MIDI

Multi-Standard MIDI Interface for Commodore 64/128 computers

Users Guide

Rev1A

Introduction

The FB-MIDI interface is supplied with the features outlined in Figure 1 below.

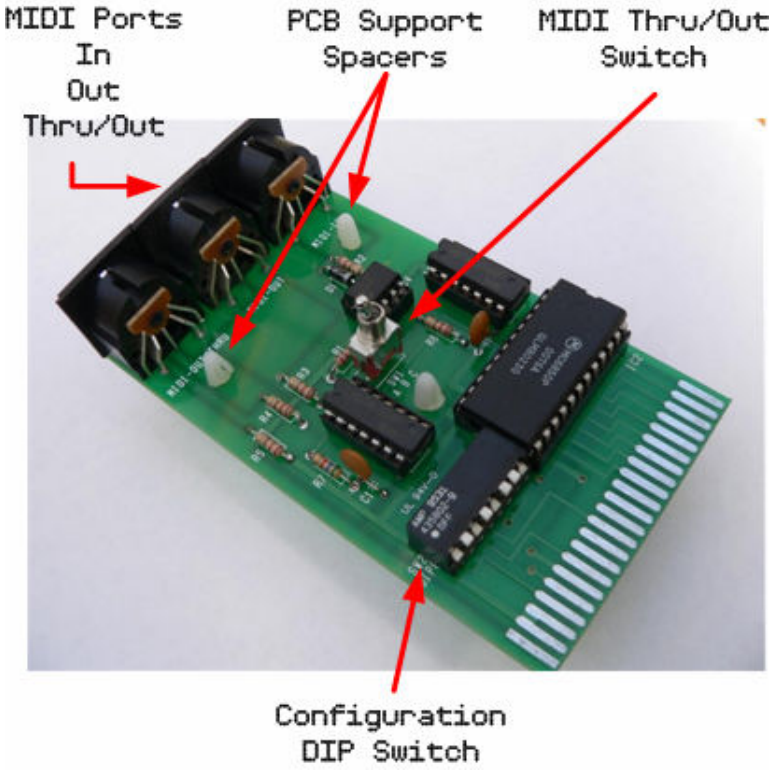

Figure 1: Top view of FB-MIDI Interface

The FB-MIDI is compatible with both Commodore 64 and Commodore 128 computers. It's designed to support various configuration modes using an 8-way DIP switch. The following four Commodore MIDI software standards are supported:

- Sequential Circuits
- Passport
- NameSoft
- Syntech

Please note that the Siel/JMS (Datel Electronics) standard is not currently supported.

Configuration DIP Switch

The FB-MIDI interface includes an 8 pin DIP switch that can be used to reconfigure the device in order to support various Commodore MIDI software standards.

DIP Switch	PASSPORT SYNTECH	SEQUENTIAL	NAMESOFT
PIN 1	ON - Down	ON - Down	OFF - Up
PIN 2	OFF - Up	OFF - Up	ON - Down
PIN 3	ON - Down	ON - Down	ON - Down
PIN 4	OFF - Up	OFF - Up	OFF - Up
PIN 5	OFF - Up	ON - Down	ON - Down
PIN 6	ON - Down	OFF - Up	OFF - Up
PIN 7	ON - Down	OFF - Up	OFF - Up
PIN 8	OFF - Up	ON - Down	ON - Down

Table 1: FB-MIDI DIP switch configuration

DO NOT change the DIP switch settings when the Commodore computer is powered on. Always turn the computer OFF before selecting the required configuration.

MIDI THRU/OUT Switch

The FB-MIDI interface includes a mini-toggle switch that's used to configure the mode of operation for the MIDI THRU/OUT port. When the toggle switch is towards the "A" character on the FB-MIDI printed circuit board, the MIDI THRU/OUT port is configured as MIDI OUT. When the toggle switch is towards the "C" character on the printed circuit board, the MIDI THRU/OUT port is configured as MIDI THRU.

Installation and Setup

The FB-MIDI interface comes fully assembled and ready for connection to your computer.

1. Turn your computer off before installing the FB-MIDI into your computer's expansion port. To avoid damaging your Commodore computer, DO NOT insert any cartridges when the computer power is on.

2. Configure the DIP switch settings for the desired configuration as indicated in table 1.

3. Plug the FB-MIDI interface into the Commodore 64/128 expansion port. Ensure that the FB-MIDI interface is fully inserted into the Commodore expansion port with the top side being upright as shown in figure 1.

4. Connect a MIDI capable Synthesizer, Sampler or Drum Machine to the FB-MIDI interface.

BASIC MIDI Setup

The following figure illustrates a basic MIDI setup. The MIDI OUT port from the FB-MIDI interface connects to the MIDI IN port at the master (bottom) Synthesizer. The MIDI IN port from the FB-MIDI interface connects to the MIDI OUT port at the master (bottom) Synthesizer.

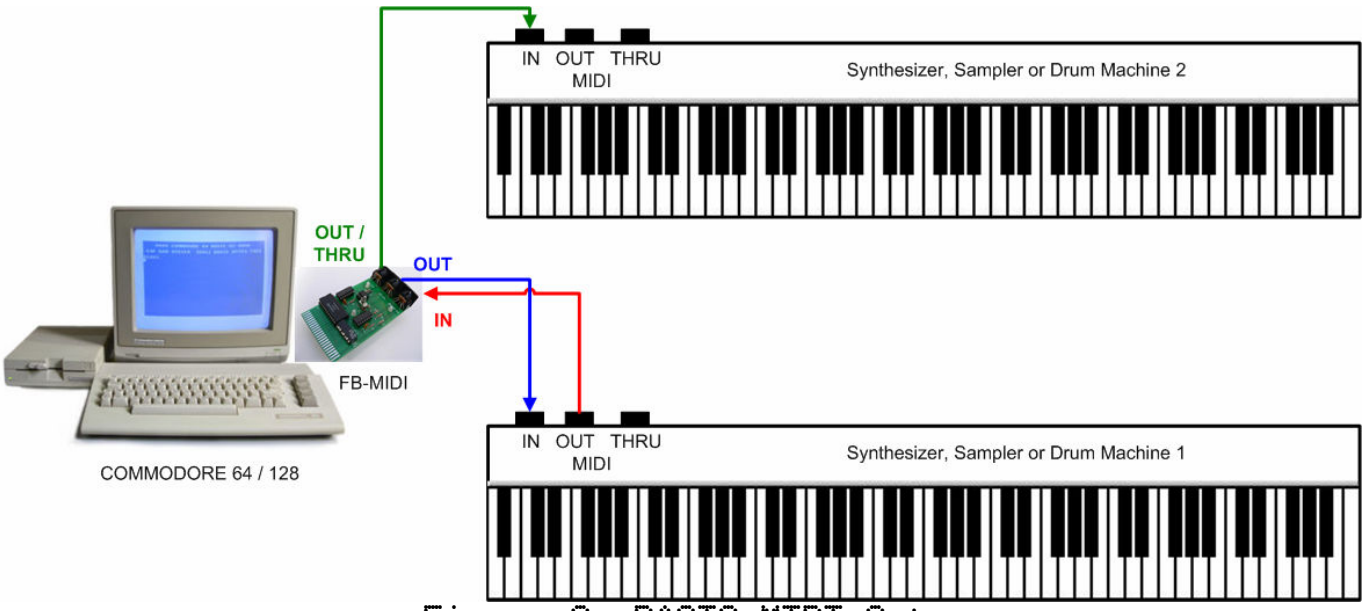

Figure 2: BASIC MIDI Setup

Troubleshooting

If there's no display or a blank black screen when powering on the Commodore computer with the FB-MIDI interface installed, please check the following:

1. Was the FB-MIDI interface inserted correctly into the Commodore expansion port? Turn the computer off. Unplug the FB-MIDI interface and double check the DIP switch settings. Reinsert the FB-MIDI interface as per the instructions included in the Installation and Setup section of this User Guide.

2. Do not send MIDI data to the interface prior to powering up the Commodore computer.

If there's no MIDI communication between the music keyboard and the Commodore 64/128, please double-check the MIDI cabling and the FB-MIDI DIP switch settings.

Many thanks for purchasing this product. Enjoy!