EFX-LE Audio Controller

HOW TO UPDATE FIRMWARE



1. CONNECT MIDI

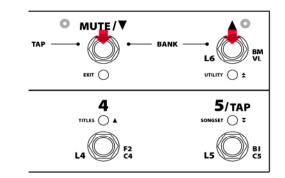
- Connect the output of your MIDI interface to **MIDI IN** on the EFX-LE.
- DO NOT plug in power or MIDI OUT jack.
- Our recommended MIDI interfaces are the Roland UM-ONE and the M-Audio USB UNO 1x1. These MIDI interfaces are inexpensive and have been tested to be compatible with the EFX-LE.

NOTE

- Some MIDI interfaces can not be used with the EFX-LE.
- Make sure to install the latest drivers for your MIDI interface before attempting to update the EFX-LE.

2. CONNECT POWER

- Plug in power while holding the BANK▼ and the BANK▲ switches down.
- The display will show 'Firmware Update!'
- At this moment, the two switches can be released.



EFX-LE AUDIO CONTROLLER MUSICOM

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3. UPDATE EFX MKIV

ON A PC

- Download and install MIDI-OX <u>http://www.midiox.com/zip/midioxse.exe</u>
- Launch MIDI-OX
- Choose Options -> MIDI Devices...
- · Select the correct MIDI Input and output from your MIDI interface.

| Presets: View View View View View View View View | Port Mapping: |
|--|----------------------------------|
| 1) MIDISPORT Uno In | 🕢 🤁 MIDISPORT Uno Out |
| MIDI <u>O</u> utputs: | Port Map Objects: |
| 1) MIDISPORT Une Out 2) Microsoft GS Wavetable SW Synth | Channels |
| 3) MIDI Mapper | MIDISPORT Uno In |
| | MIDI-0X Events M0XSYSMAP1.oxm |
| | MOXSYSMAP2.oxm |

| С | onfigure 🔀 |
|---|---|
| | Low Level Input Buffers Size 256 Bytes Num 32 I |
| | Low Level Quiput Bullers Sige 5000 Bytes Num 120 C Output Liming Auto-adjust Buffer Delays if necessary Delay Between Buffers: 0 Milliseconds Delay After F7: 50 Milliseconds |
| | Don't Warn to Save Changes Append To Bytes in Display Window Fill Display Window as Bytes Come In Show F0-F7 in colored text Save Dump directly to a file |

- Choose <u>View</u> -> <u>Sysex...</u>
- Choose <u>Sysex</u> -> <u>Configure...</u>
- Set numeric values and check boxes as in the image.
- If you want to use different MIDI data transmission software, make sure that the delay time is set to 50ms.

EFX-LE How To Update Firmware

| SysEx View and Scratchpad | |
|--|---|
| <u>Eile Command Window D</u> isplay Window Syst | ax <u>H</u> elp |
| Con File Progress 30 30 30 41 30 34 45 Horen Concel 31 46 46 F7 Display Window | . \mkv_v10_app.syx. 180236 Bytes 38 43 46 43 45 46 33 53 63 64 00 21 06 00 56 01 31 30 45 45 38 30 45 46 37 32 32 30 06 60 06 01 31 30 45 38 33 43 45 33 44 34 34 34 34 34 43 45 01 30 30 30 30 30 30 0 Bytes Received |
| | |

- Download and Unpack the new firmware Zip file. http://www.musicomlab.com/efx-le.htm
- Choose <u>Command Windows</u> -> <u>Load File...</u> to open the new firmware file (EFX-LE_vxxx_app.syx).
- · Choose Command Windows -> Send Syxex.
- · All LEDs above the switches blink while the new firmware is loading. This updating process requires about three minutes.
- The EFX-LE automatically restarts when the update is complete.

ON A MAC

- Download and install SysEx Librarian http://www.snoize.com/SysExLibrarian/

| ••• | SysEx Libra | rian |
|------------|------------------------|-------------------------|
| | USB Uno MIDI Interface | 0 0 |
| Play | Destination | Record One Record Many |
| SysEx File | ^ | Manufacturer #Msgs Size |
| | | |
| | | |
| | | |
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| ÷ e | | Contents |

- Launch SysEx Librarian.
- Select your MIDI interface in the pull down menu.

/Users/Musicomlab/Documents/SysEx Librarian Change.. ow file size as 💿 Abbreviated (1.2 KB) She Full (1234) Pause between played messages 50 milliseconds 250 msec 500 msec 750 mse SysEx receive timeout 1 second

250 msec

SysEx Folder Location

• • •

SysEx Librarian Preferences

500 msec

750 msec

ral Transmit Speed Program Change Updates

- Set the preference for 'Pause between played messages' to 50 milliseconds.
- If you want to use different MIDI data transmission software, make sure that the delay time is set to 50ms.

| | USB Uno MIDI Interface | 0 | 0 | | 0 |
|------------------------------|------------------------------|---|------------------------|--------------|------------------|
| Play | Destination | | Record One Record Many | | |
| SysEx File mkv_v110_app.1 | Sending message 1293 of 3607 | | 63.1 KB | 193 1,607 | Size 176.0 KB |
| | | | Cancel | E | |
| | | | | | |
| | | | | | |

- Download and Unpack the new firmware Zip file. http://www.musicomlab.com/efx-le.htm
- Drag the new firmware file(EFX-LE_vxxx_app.syx) into the SysEx Librarian main window.
- press ' ▶ Play'
- · All LEDs above the switches blink rapidly while the new firmware is loading. This updating process requires about three minutes.
- The EFX-LE automatically restarts when the update is complete.

1 sec

1 sec