ME-1 VERSION 1.2 SOFTWARE SUPPLEMENT

-July 2003-

• What Is It?

Software version v1.2 is the latest set of feature enhancements for the ME-1 module.

• What Does It Do? (i.e. what are the new features in v1.2?)

v1.2 adds the ability to enable/disable individual MIDI channels. See the section below marked "Operation of New Feature" for operational details.

• How Do I Know If I Have v1.2?

If you received this document along with the purchase of a ME-1, then the v1.2 software should already be installed in your unit. If you did not receive this document along with your instrument or if you just want to confirm things, you can check what version of software you currently have installed by doing the following:

1) turn it on while depressing the 'bank/menu' button.
2) following the KURZWEIL name scrolling across the screen you will see
EV ** and FV ** (stands for Engine Version and Front Version).
3) versions EV 11 and FV 12 <u>or later</u> should be shown

• Where Can I Get It If I Don't Have It?

If you do not have v1.2 of the ME-1 'Front' software and would like to get it, you can get your ME-1 upgraded by taking your unit to an authorized Kurzweil Service Center where they can update it for you.

To locate a service center near you please visit our website at:

http://www.kurzweilmusicsystems.com/support-service-center-search.html?Id=296

For further information please contact:

Email= support@kurzweilmusicsystems.com
Web= www.kurzweilmusicsystems.com

Operation of New Feature:

Enabling/Disabling Individual MIDI Channels

An enabled MIDI channel (ON) will receive MIDI data. A disabled MIDI channel (OFF) will ignore MIDI signals received on that channel. Prior to this new v1.2 software all 16 MIDI channels were ON all the time. With v1.2, individual channels can now be shut off.

- Press the Mode Select Button until the Channel Mode LED lights.
- Use the Data knob to select the channel you want to turn on or off.
- Press the Bank Menu Button; the channel LED starts blinking. The blinking shows you the channel is OFF (disabled).
- If you want the channel to turn ON, press the Bank Menu Button once again. The blinking will stop showing you that the channel is ON (enabled).

All Channel settings are ON by default . Any channels turned OFF are turned back ON upon power up. There is no memory within the ME-1 to store user settings.

- This section contains some clarifications regarding the use of Banks vs. MIDI Bank messages as originally described in the 'Reference Manual' –

Differences Between "Bank" and "MIDI Bank" in the Reference Guide.

You will notice the term "Bank" used on page 9 and "MIDI Bank" used on page 11 in the reference manual. The difference is that "Bank" on page 9 refers to one of the 16 instrument "categories" while "MIDI Bank" on page 11 refers to the MIDI Bank Select message (Ctl 0 & 32). The program allocation into banks (groups) is the same as the PC-2 and the table below shows how they are divided.

BANK A	BANK B	BANK C	BANK D
Acoustic Piano		Electric Piano	

BANK E	BANK F	BANK G	BANK H
Pop Keys	Clavier	Organ	Brass

BANK I	BANK J	BANK K	BANK L
Strings	Voices	Synths	Pads

BANK M	BANK N	BANK O	BANK P
Guitar	Bass	Drums	Percussion

Selecting Programs on the ME-1

There are two methods that can be used to select programs on the ME-1:

a) via the front panel, and
b) via MIDI using "MIDI Bank" select messages. This is the method employed if you want to send Bank/Program change messages to the ME-1 from either your master keyboard/device or sequencer.

Here is how to select an instrument using the front panel buttons following the table on page 9 in the 'Reference Guide':

1) press [Mode Select] button until 'Channel' Mode light is lit.
2) using the Data knob, select the desired MIDI channel (1-16)
3) press [Mode Select] button until 'Program' Mode light is lit
4) press [bank/menu] button . The current Instrument Category Bank will be displayed.
5) using the Data knob, select the desired Instrument Category Bank (A –P).
6) press [bank/menu] button again .
7) using the Data knob, select the desired Program (1-16) within the current Instrument Category Bank.

Example #1: If, on MIDI channel 1, you want to select "6=Scatman" in Instrument Category Bank J, then:

1) press [Mode Select] button until 'Channel' Mode light is lit.
2) using the Data knob, select MIDI channel '1'
3) press [Mode Select] button until 'Program' Mode light is lit
4) press [bank/menu] button . The current Instrument Category Bank will be displayed.
5) using the Data knob, select Bank "J"
6) press [bank/menu] button again
7) using the Data knob, select Program #6 (Scatman)

Example #2: Following, if you want to change the Program on Channel 1 to "8=Pipe Organ" in Instrument Category Bank G:

1) press [Mode Select] button until 'Program' Mode light is lit (if necessary)
2) press [bank/menu] button . The current Instrument Category Bank will be displayed.
3) using the Data knob, select Bank "G"
4) press [bank/menu] button again
5) using the Data knob, select Program #8 (Pipe Organ)

Note: there is no need to reselect the MIDI channel here since you were already on Channel 1. If you wish to use a different MIDI channel, repeat all the steps from Example #1 above, selecting the new MIDI channel first.

Here is how to select an instrument remotely (via MIDI) using MIDI Bank Select Messages & Program Changes following the table on page 11 in the 'Reference Guide':

To select any given program within the ME-1 via MIDI requires the use of BOTH a Bank Select message (Controllers 0/32) and a Program Change.

The MIDI specification specifies the use of two Controllers, 0 and 32, as the means to convey a Bank change. Controller 0 is the Most Significant Byte (MSB) and Controller 32 is the Least Significant Byte (LSB). The ME-1 is set to respond to both MIDI Controller 0 & 32 for its MIDI bank selection. In use, the MSB (cc#0) is set to 0 (zero) and the LSB (cc#32) is set to the desired MIDI Bank value.

The ME-1 has two MIDI banks to choose from; Bank 0 and Bank 6. Each contains 128 Program entries. The table on page 11 of the Reference Manual shows you the MIDI Bank number (cc#32) and MIDI Program number used to select any given program within the ME-1's 256 choices.

To select a given program off the ME-1 from your master MIDI keyboard or sequencer, a Controller 32 message with either a value of 0 or 6 followed by the desired program number must be sent. The Controller 0 message may be omitted since it is otherwise set to 0 (zero). IF the device you are using MUST send Controller 0 as well, then set Controller 0 to 0 (zero).

Note: If invalid (not following the above rules) Bank Messages are sent to the ME-1 , you may inadvertently call up an "empty" program location, resulting in silence on the MIDI channel in question. Be sure to follow these steps precisely. Here are a few examples:

Example #1: If, on MIDI channel 1, you want to select MIDI Bank 0, "77=Scatman", then:

1) from your transmitting device (keyboard, sequencer, whatever) set it to send a MIDI Bank message (Controller 32) with a value of 0 on channel 1 to the ME-1.

2) following, have your transmitting device send a Program Change with a value of 77.

The result will be that , on MIDI channel 1 of the ME-1, MIDI Bank 0, Program 77 (otherwise known as "Scatman") will be selected.

You can then obviously assign the remaining 15 MIDI channels, selecting whichever programs you wish to use, following the same steps, just on different MIDI Channels.

Example #2: So, if, on MIDI channel 2, you want to select MIDI Bank 6, "109=Mono Synth Bass", then:

1) from your transmitting device (keyboard, sequencer, whatever) set it to send a MIDI Bank message (Controller 32) with a value of 6 on channel 2 to the ME-1.

2) following, have your transmitting device send a Program Change with a value of 109.

The result will be that , on MIDI channel 2 of the ME-1, MIDI Bank 6, Program 109 ("Mono Synth Bass") will be selected.