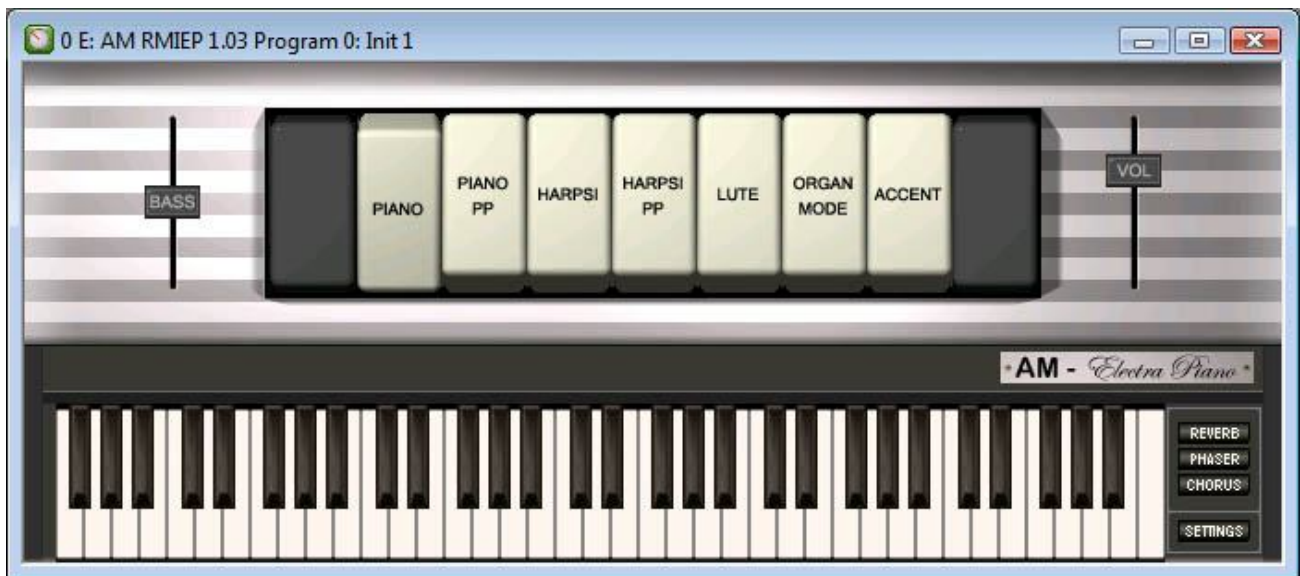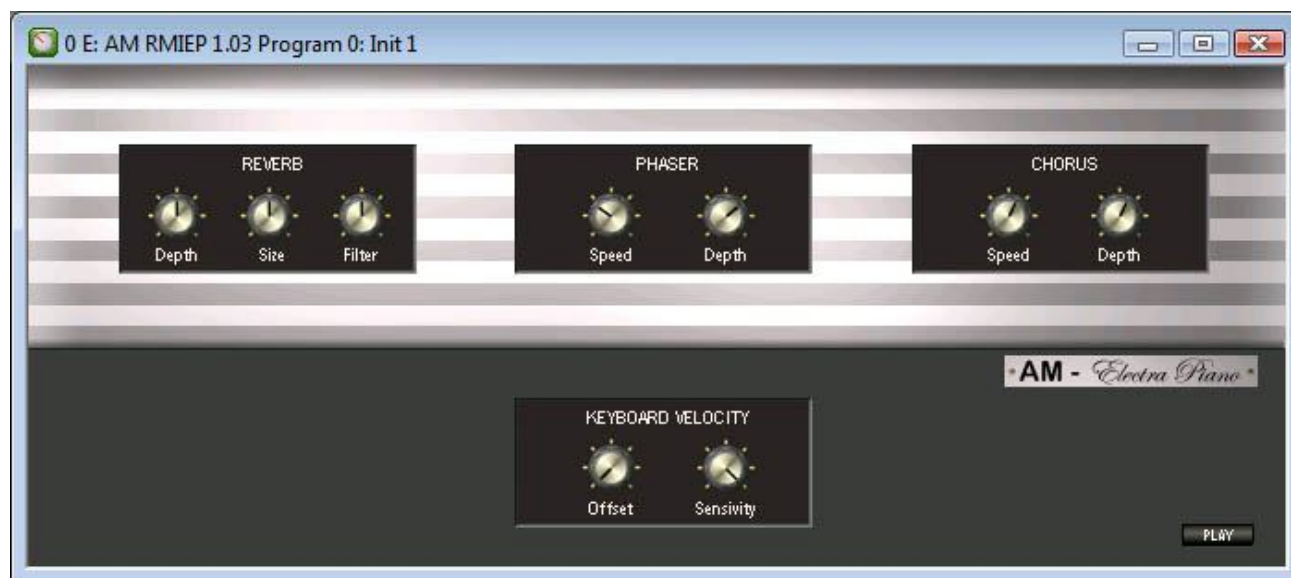# AM Music Technology

RMI-EP
V. 1.xx

1. Overview

The *AM Music Technology* **RMI-EP** virtual instrument reproduces the vintage analog electronic piano from US manufacturer, *Rocky Mount Instruments Electra Piano*, produced from 1967 until 1980.

The sound engine of the RMI-EP is a software emulation of the real analog oscillators and filters used inside the original instrument.

The RMI-EP implements the same presets and controls that you can find in the real instrument. Furthermore there is also a effect sections that includes Reverb, Phaser and Chorus.

Any configuration of the electric piano is storable in up to 128 programs and can be reloaded through midi program change.

All the controls can be handled through midi control change messages (see midi implementation chart par. 5).

2. How to install

VST for Windows

The RMI-EP is a virtual instrument compatible with the VST platform by Steinberg™. This means that you must have a VST host installed on your computer.

The installation procedure is quite simple. First of all extract the dll file from the zip file to the VST plug-in folder on your PC.

For instance, if you use Steinberg Cubase, the standard plug-in folder is:

```
C:\Program Files\Steinberg\VstPlugins
```

Anyhow, refer to the VST host documentation to know about the VST plug-in folder.

At this point you can launch the VST host application and start a "plug-in rescan" procedure. This procedure should be described in the VST host documentation.

The RMI-EP is now installed and ready to be played.

Once again, refer to the VST host documentation to understand how to open it and make it work.

3. Voice preset list

The RMI-EP fully reproduces the *RMI Electra Piano* behavior on your computer. It has the same presets and controls plus something else (see par 4 and 5). Here the list of presets is shown.

Upper bank	
#	Preset
1	Piano
2	Piano PP
3	Harpsi
4	Harpsi PP
5	Lute
6	Organ Mode
7	Accent

4. Controls

The list of Control Changes is shown in the following table:

NR	CC	Range	Name	Description
1	07h	0 – 127	Level	Level of the output signal
2	0bh	0 – 127	Expression	Level of the output signal controlled by the expression pedal
3	0ch	0, 127	Reverb	Reverb effect switch
4	0dh	0, 127	Phaser	Phaser effect switch
5	0eh	0, 127	Chorus	Chorus effect switch
6	10h	0, 127	Piano	Piano preset switch
7	11h	0, 127	Piano PP	Piano PP preset switch
8	12h	0, 127	Harpsi	Harpsi preset switch
9	13h	0, 127	Harpsi PP	Harpsi PP preset switch
10	14h	0, 127	Lute	Lute preset switch
11	15h	0, 127	Organ Mode	Organ Mode preset switch
12	16h	0, 127	Accenter	Accenter preset switch
13	40h	0, 127	Sustain	Sustain pedal action
14	46h	0 – 127	Bass	Level of Bass tone

5. Midi Implementation chart

Function	Transmitted	Recognised	Remarks
Basic Channel	No	1-16	Omni mode. The midi receive channel is selectable on Vst Host
Note Number	No	0-127	
Velocity note on	No	Yes	
Velocity note off	No	No	
Aftertouch	No	No	
Pitch Bend	No	Yes	
Mod Wheel	No	No	
Expression Pedal	No	Yes	
Sustain Pedal	No	Yes	
Control Changes	No	Yes	See par 4
Program change	No	0-127	
All note off	No	Yes	