

# Bolder Free Sounds

presents

## D.I.Y. Music Box

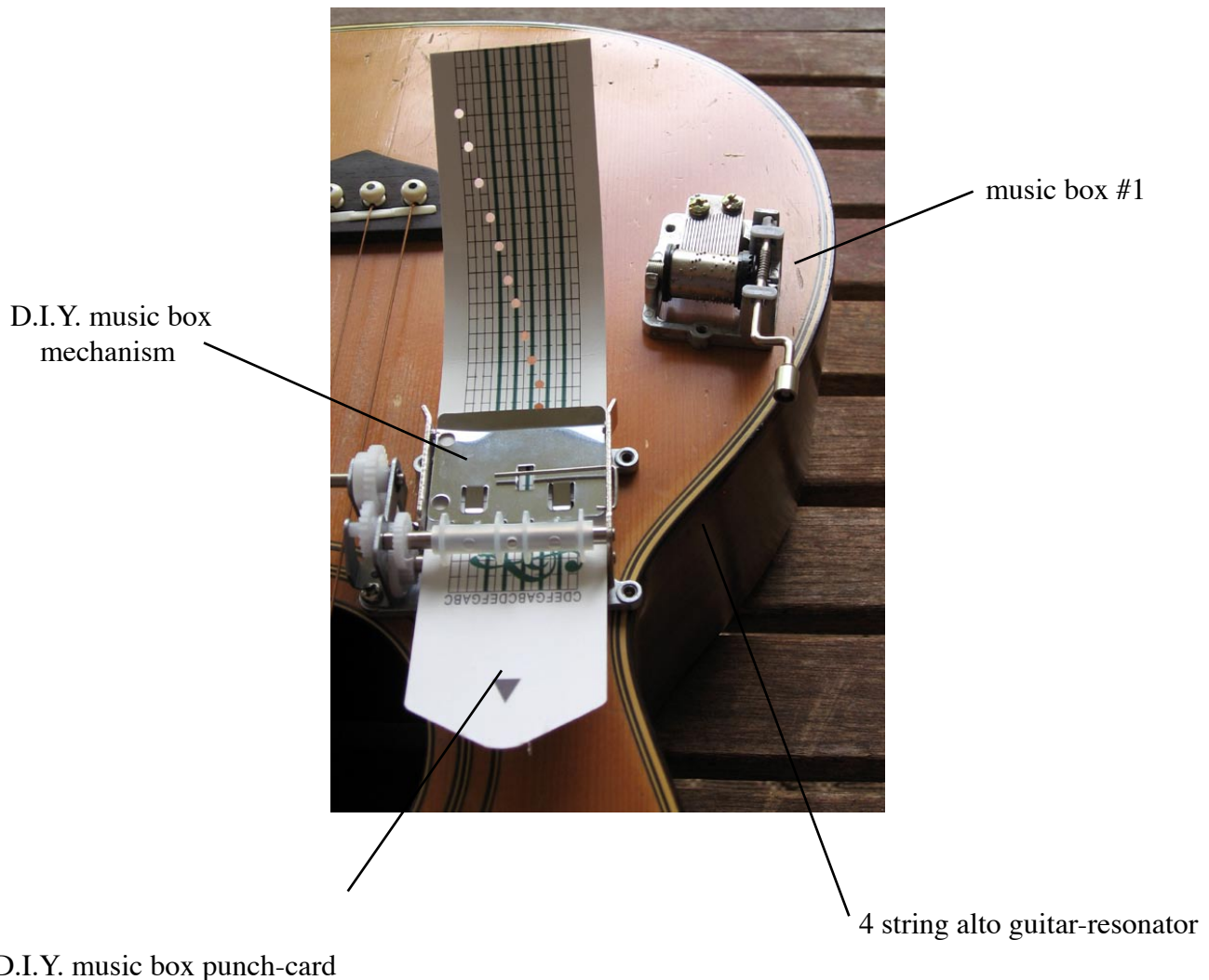


for NI Kontakt 2 and the Apple EXS24

This is the second time I have chosen to sample a music box for a Bolder FREE Sounds offering. The first music box I sampled has proven to be a very popular download among Bolder customers. This time I have chosen a DIY (do it yourself) music box. What appealed to me about this music box mechanism is that it came with a punch-card like roll (much like the old player pianos used) to create your own melodies with. You can probably figure out which melody I “punched out” for the purpose of sampling - a major scale (in Ab).

I have not really sampled a music box, but the mechanism of the music box. As a resonator I mounted the DIY music box mechanism on the sound board of a lovely 4 string alto guitar that I own. This gives some volume to the mechanism as well as a very subtle reverberatory effect.

**Something old, something new** - When I layered the previous Bolder FREE Sounds music box with this one, the composite sound was wonderful! So I did a bit of remapping and included the appropriate samples in this zip file for both the new DIY music box as well as the previous one which I now call Music Box 1.



D.I.Y. music box punch-card

## Some notes on the programming

These two music box mechanisms are presented alone and then in layer combinations. The layers are set up in unison and octave mappings.

The two layers are modulated either by velocity or by use of your modulation wheel (midi cc #1). I also use the modulation wheel and velocity as a crossfade controller. So as your modulation wheel or velocity level approaches a middle range between a value of 1 and 127 (let's say 64, for example) the overall volume will be at it's loudest point because there is an equal amount of both layers being triggered. Extremely soft or hard velocity levels will trigger more of one layer only, therefore producing a softer volume. I thought I'd mention this so the user is not totally puzzled by this seemingly nontraditional programming approach.

## Apple EXS24 installation

The EXS **instruments** folder should be installed at ~/Library/Application Support/Logic/Sampler Instruments. The **samples** folder can exist anywhere on your hard drives you choose. The EXS instruments will find the correct samples upon the first time you load the instruments into the EXS24.

## NI Kontakt 2 installation

You have a folder entitled DIY\_MusBx\_K2. Inside this folder are instrument (.nki) folders and a sample folders. I recommend you keep this structure in tact as it is. You can put this folder (DIY\_MusBx\_K2) anywhere on your hard drive you wish. When you load a .nki into Kontakt it should be able to automatically find the appropriate folder required to load the corresponding samples.

*If Kontakt 2 gives you an error saying "samples are missing", I recommend you have K2 do a automatic search for the correct sample folder. If this does not work, then you can browse manually to the correct folder and select it. Once this is done I suggest you resave the .nki with absolute paths **not** checked. This way K2 will remember where the samples are for the next time you load the .nki. A great deal of testing and time is spent to assure you that the above steps will not be necessary - but just in case.*

Best Wishes!  
Dennis Burns - July 2008

<http://boldersounds.com>