PCG Tools 2.4.0: New Cut/Copy/Paste settings   **http://pcgtools.mkspace.nl**

Why?

The new Kronos V3 factory presets PCG file contains two banks with new programs (I-A and I-B) and has a lot of other programs relocated with respect to the original file (called V2 after this). Also the V3 file has more combis (4 filled banks), in comparison with V2.

When keeping your original Kronos content or loading a full (meaning file with all programs/combis/set list slots present), there is no problem.

However, if you want to use the new improved programs being used by your combis/set lists, you might be in trouble.

Also for non Kronos users it might be interesting to have the new cut/copy/paste settings available.

What is already there?

Up till version 2.3, when patches (programs, combis and set list slots) where copy/pasted from one file to another, the application searched for each program to be pasted if there was an identical (byte wise equal) patch already in the destination file (where to paste to). The name is ignored, since it is not important for the sound. When there was one (and depending on the already existing settings: Paste Duplicatei Programs/Combis and Set List Lots), those patches were NOT pasted. Instead, all references to the original patches where duplicates were present, were made to those already present patches.

Example:

You want to copy a combi using I-A000 KRONOS Grand Piano to another file. For each program being used by the combi, it is checked if it exists in the file to paste to (called DEST). Suppose in DEST.pcg there is an identical program at I-A010 called KRONOS X Piano. Because the bytes (except name) are equal – thus considered equal – the combi is pasted and instead of referencing program I-A000 it will reference I-A010 instead.

Suppose the same combi also would use a program U-GG HomeMadePiano. If this patch does not exists in DEST.pcg, the program will need to be pasted and the combi will automatically reference to the location it is pasted to, even if it is a different location.

So what is the problem?

The V3 file (new Kronos file) has changed quite some things internally (like SGX-2, new parameters etc), thus a byte-wise check is not good enough anymore. That means that if a combi using I-A000 Kronos Grand Piano will be pasted to the V3 file (in case you want to copy a combi using it from V2) even though it is sounding equally. Also, some patches in V3

have a new postfix to their name (V2). And I can imagine if you have a combi being copied you want to be able to use the improved program instead.

So what is the solution?

The first part of the solution is some extra cut/copy/paste settings in PCG Tools 2.4. I kept the default in such a way, that the functionality will not change as before. So if you want to use the new settings, you have to change it yourself.

There will be three possibilities now to let the program check if a patch is treated like a duplicate:

1. Do Not Use Patch Names for Patch Duplication Checking
    This is the way it was … instead, byte comparison (except for the patch name) is performed, like the example above. A slight improvement is that first a patch on the same bank and index is checked (and if byte-wise equally, used), otherwise it starts checking from the first bank, index 0.
2. Treat Equally Named Patches As Duplicates
    This option uses ONLY the name. If a patch is already existing with the same name, than that patch will be used (meaning the patch does not need to be pasted, and all references to that patch will be made to the already equally named patch in the file where to paste to). Also here, first the patch on the same bank and index is checked.
3. Treat Like-Named Patches as Duplicate
    Since this still does not solve the V2 postfix used by programs in the Kronos V3 file, this option can be used. With the Ignore Characters/Parts setting, a text can be entered like 'V2'. Now if a patch exists in the file to paste to, which has an equal name, but with the postfix ignored, it is considered as duplicate, like above. It does not matter if the V2 is in the file to copy from, or to paste too.
    Example: A combi is copied from a file SRC.pcg to DEST.pcg. This combi uses program I-E000 ChurchOrgan. In DEST.pcg an (improved) program ChurchOrgan V2 exists. Than the I-E000 program will not be pasted and the combi to be pasted will use the ChurchOrgan V2 program.

Also, you can copy between PCG files from the Kronos from OS2.x and OS3.x.
Always make backups before.
Note that PCG Tools does not take into account:
-   The reference Drum program in a program or combi
-   Wave sequences
-   Drum Kits

So think before you are going to copy programs/combis/set list slots from your own file to the V3 factory file or vice versa.

Is there more?

So far not, however, I will make some adjustments to the set list slot editor, and regarding this problem, there will be a Patch Reference Changer, which can be used to change references in an already existing file (not related to copy/paste behavior). This can be used to afterwards changing references for fixing V2/V3 problems, but also to easily change your own reference changes.

Final words

Of course all this information will land in the PCG Tools manual, but since lack of time, but still seeing the importance of these options, this mini-document was created.

If you have any good ideas, improvements, bugs or questions, don't hesitate to ask.

Keep you informed,

Michel (developer of PCG Tools)