

## **EXB-PCM 03 Future Loop Construction Tutorial. The how-to's and etc**

We at Korg Canada have had a lot of questions about the Future loop construction card. This tutorial will try to outline how to use the card. First order of business, what is this card and how does it work?

The Future loop construction card uses time slicing technology. The loops are sliced up into individual segments. These segments are mapped to a multi-sample. Triton's **C** or **D** bank programs (on the included factory disk) access these multi-samples. The C or D bank.sng file (on the included factory diskette) loads 19 songs that put these programs on different tracks. MIDI data, set-up as Patterns and RPPR's, plays back the sliced up loops when one plays from the lowest C# (61 key Triton) and chromatically up the keyboard. As an added bonus, cymbals and other percussive instruments are included on each program, to add to the loops.

Time slicing negates two problems that anyone who has ever used loops before has faced.

- 1) My loop(s) are at a pre-determined tempo, how do I speed up/slow down the loop without changing the pitch?
- 2) If my loop is 4 bars long, how do I get the loop to trigger if I am punching in half way or between loop points?

With time slicing, one can easily change the tempo of a loop. Since time slicing turns the loop into audio and midi data, one will always hear the loop triggered even when one punches in the middle of a bar! This last point is very important "audio and midi data". Since we are dealing with MIDI data and the Triton's sequencer is Ram based (volatile memory), one **MUST** always load in SNG data (19 songs) or one of these songs (look below for procedure) to use the Future loops.

### **First time using the card**

When one get the Future Loop Construction card, the first thing to do is determine which bank one would like to load the program/combo data into, C or D? Place the included disk into the Triton.

- 1) Push the disk button
- 2) Highlight the C or D bank.pcg file (no need to load both, only one)
- 3) Touch screen top right corner and highlight "Load selected". Rack owner's push the F8 utility button and the load selected
- 4) Touch screen Ok.

You have just loaded in the patch data; you will not need to do this again. The only reason to repeat this procedure would be if you initialized your Triton or if you loaded in some other sounds into the C or D bank.

Next thing to do is load in the song data. **EVERYTIME** the Triton is turned off, the SNG file must be loaded in again on start-up in order to hear the loops.

- 1) Push the disk button
- 2) Highlight the C or D bank.sng file (no need to load both, only one)
- 3) Touch screen top right corner and highlight "Load selected". Rack owner's push the F8 utility button and the load selected
- 4) Touch screen Ok.

Now go to the sequencer mode (Rack users go to Multi). Place the keyboard from the lowest C# (61 key Triton) and up to check out the loops. Change songs to hear the different styles of loops for that genre.

### **Recording and using the card**

As stated above, one must start by loading in the SNG data first. Once this data is loaded in, a user can choose which style (song) he/she wishes to use and begin recording the loops immediately by

#### ***Real-time Recording***

- 1) Choosing Multi-Rec from the Pref tab on the first page of the Triton's sequencer mode
- 2) Push the Rec/Write then Start/Stop button.

A 2 bar count will start the recording process and then one simply plays the keys of which loop one wishes to use. Be sure to continue holding the key down for the full duration of the loop(s).

### **Step Recording**

If one would prefer to simply step record the loops, then push the menu button and go to the Pattern/RPPR page. Touch screen RPPR. We need to find out which track(s) [program(s)], and which user patterns our favorite loop(s) is/are using. An easy way to do this is to highlight the Key parameter right below RPPR setup, play the key where are favorite loop is locate while holding down the Enter key. Right below the KEY parameter is a Pattern and track parameter. Make note of which tracks and patterns are being used.

To step record

- 1) Touch screen Pattern Edit
- 2) Touch screen top right corner, choose the Put to Track option.
- 3) Here is where the track and pattern notes (see above) will now come in handy. Be sure to choose the correct track or the pattern will not play back correctly
- 4) Touch screen put and repeat for the other loops (patterns). Once done, touch screen exit.

Push the start/stop button and you will hear you loop.

### **Does the future loop construction card monopolize all of my tracks?**

When one loads in the SNG information, one will notice that many of these songs and loops occupy anywhere from 8 to 13 tracks. One may want to write a composition that has 10 tracks of MIDI data with some of the Future Loops. It would seem impossible to write this 10-track tune since inevitably one would run out of tracks. This is not the case.

Once one has real-time recorded or step recorded the Future Loops, it is now time to see which tracks are indeed being used, and which one's can be used for our own sounds and programs. This is easily done.

Simply

- 1) Push the menu button and choose Track Edit
- 2) Make sure you are on the Track Edit tab. You will now see a graphical display of which tracks have information on them. The from parameter should be set to 001, this is the beginning measure of your song
- 3) Highlight the "To measure" parameter, it should read 001 as well. Now slowly increase this number while looking at the display. Take note of any track(s) that do not have rectangles (information) on them. These are the unused RPPR (Pattern) tracks and can be used for new sounds and musical data

NOTE: Once an unused track is going to be used for new recorded material and a new patch is select, the insert effect for the old Future Loop Construction program is still tagged to that track. One may find that the new sound is not to taste, so one will have to change the effects routing. Simply consult Korg Canada's tutorial at <http://www.korgcanada.com/KorgCanada/Tutorials.htm>. The tutorial is under the heading "**Triton/KARMA/Triton Le**", [Effects Routing](#), for more information.

### **Loading and Saving**

Of course if one were to save the SEQ data as of now, one would be saving all the 19 songs first loaded in, and now the added RPPR real-time or step recording information. This would mean wasted storage on the disk. So, one has two options available

- Load in all 19 songs then delete the songs that are not needed
- Load in one song only from the start

If one chooses option 1, then simply follow the "First time using card" instructions above. To delete the unwanted songs, simply use the "Delete Song" option from utility (top right corner, touch screen) on the opening page in sequencer mode.

Of one chooses option 2, then to load in **ONE SONG**

- 1) Insert the EXB-PCM03 disk into the Trion and push the disk button
- 2) Highlight the C or D bank.sng. Touch screen the OPEN command to open this directory
- 3) You will now see a list of the 19 songs. Simply highlight the one you want, then touch screen the top right corner pull down menu and highlight "Load Selected"
- 4) You will be asked to which Song number you wish to load this song. This is entirely up to you, once selected, touch screen OK

Now begin recording the RPPR information.

## **I have already recorded a tune but want to start using a Future Loop Construction drum beat. How do I proceed?**

First thing to state is that this is entirely possible. But bear in mind that one should try to load in the Future Loop song(s) FIRST and record this information before adding to it. This is the easier way to proceed.

**For this example**, we are going to load in Hip/Hop1 70-93 (first song of the Future Loops) and use a few of the Pattern/RPPR that will be recorded. This RPPR data is recorded on track 1 and 2, and these tracks use program C046 and C048 respectively. This RPPR data will be copied to another song, which has the first 8 tracks already in use; therefore this RPPR's recorded performance will be copied to tracks 9 and 10. Both songs are 32 bars long.

- 1) Load in your previously recorded tune. Use the load one procedure above (steps 1 to 4). At step 4, choose Song:000 as the destination
- 2) Load in ONE of the Future Loop Construction songs (in this example, Hip/Hop1 70-93) using the same steps 1 to 4. At step 4, you should choose Song:001 as the destination
- 3) Record your RPPR/Pattern material using either real-time or step recording procedure outline above. Also, used the Track Edit page to find out which tracks you will need to copy (see above **"Does the future loop construction card monopolize all of my tracks?"**). For this example we will assume tracks 1 and 2.
- 4) Now that you know which tracks are going to be copied, make a mental note of which programs are on those tracks. For this example C046 and C048.
- 5) Stay with the RPPR song (Song:001) and push the menu button. Go to track Edit
- 6) Touch screen top right corner pull down menu and highlight Copy measure. For this example, the screen will read as follows

### **Copy Measure**

**From (Song001)**current song we are on      **Track: 01** (for this example)      **All tracks** (no check mark)

From Measure: **001**      To Measure: **032** (for our example)

To: Song:**000** destination song      Track: **09**      Measure:**001** beginning measure of other song

- 7) Touch screen OK
- 8) To repeat for track 2, repeat step 6 but now the screen is changed to

### **Copy Measure**

**From (Song001)**current song we are on      **Track: 02** (for this example)      **All tracks** (no check mark)

From Measure: **001**      To Measure: **032** (for our example)

To: Song:**000** destination song      Track: **10**      Measure:**001** beginning measure of other song

- 9) Touch screen OK

Go to Song:000. Make track 9 program C046 and track 10 program C048. Play the sequence. If everything is fine, go to Song:001 and delete this song in order not to waste space when saving to floppy disk.

## **I would like to use the Future Loop Construction card with my external sequencer and would like the MIDI data on this external sequencer. How to I get the RPPR data into my computer?**

1. Record the RPPR's internally using the Triton sequencer's multi-rec function (see above). Once your RPPR data is in the Triton, now you will send this over to your computer.
2. On your external sequencer's side, set it to multi-record OR you can record one track at a time, it is entirely up to you. Set the appropriated tracks to record ready status.
3. Make the external sequencer the master clock (internal midi clock) and send Midi clock information to the MIDI output where the Triton is connected.

4. Set the Triton to external clock (Global Mode, Menu, Midi, Clock: External). Go to the Triton's Track parameter page (Sequencer mode, Page 2) make sure the MIDI status is set to BTH (both)
5. Push record on the external sequencer.

## OR

1. Record the RPPR's internally using the Triton's multi-rec feature (see above).
2. Go to disk mode and touch screen the Save tab. We will be saving this Future loop groove to disk as a MIDI file.
3. Touch the top right corner pull down menu and highlight Save to Std Midi file
4. Name it whatever you wish and be sure to select Format 1
5. Touch screen OK
6. Take this disk over to your computer. Load up your sequencer software
7. Use the "Load" or "Import" Midi file option to load this file from your floppy

### For Triton Rack owners:

1. Load in the Future loop Song(s) you wish to use
2. Go immediately to Save (F2) then push the F8 button (Utility)
3. Highlight "Save to STD Midi file". You will now see the patterns listed
4. Save whichever patterns you wish as midi files. Format 0 or format 1, it does not matter
5. Load these midi files into your sequencer.

## NOTE:

Korg Canada has made available at <http://www.korgcanada.com/KorgCanada/Tutorials.htm> the download **NEW! EXB-PCM03 "Future Loop Construction" converted to work in the E bank**

When one uses an expansion card, one MUST overwrite the C or D bank. Since the Future Loop Construction card only needs program data to work, Korg Canada has made available an E bank of this program data. Simply download the above file and read the attached document for more information. Included with this file are an E\_bank.pcg and E\_bank.sng, which will replace the factory diskette that came with your expansion board.

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