

P3Tools

Special thanks to Colin for his technical support, and for extending the P3 firmware so that P3Tools could do what it needed to do.

1. What is P3Tools ?

P3Tools is a utility that provides a number of useful features that will help you to configure your P3.

2. What can it do ?

A brief summary of the features are:

- The midi port details of one or more P3's can be configured.
- Firmware can be uploaded to a P3 via Midi.
- Patterns, Parts/Playlists, and configuration data can be uploaded and downloaded to/from your selected P3 via Midi.
- Meaningful names can be given to the banks, parts/playlists and patterns.
- Parts/Playlists, Patterns, Banks and All data can be copy/pasted within a P3 configuration or to a separate P3 configuration.
- P3 configuration data can be loaded and saved to .SYX, SP3 or PP3 files.
- Various options (such as midi channels, user options etc) can be simply edited.

3. PC or MAC ?

PC, most definitely.

Sorry, but there isn't a MAC version, nor is there likely to be. I simply do not have the hardware or development tools to develop a MAC version.

4. How much does it cost ?

P3Tools costs nothing. I do not require any of your hard earned cash !!

Once I had made the decision that I was going to buy a P3, and while I was waiting for Colin to get his first commercial run of P3's underway, I decided I would make use of the time by developing something I would find useful once my P3 arrived. P3Tools is what came out of that, and if you think it will help you, go ahead and use it.

BUT

Hmmm ... It sounds like there is a catch. Well there is a catch of sorts, but its not actually a big one, at least not in my humble opinion.

If you find P3Tools is useful to you, then there is something I want from you in return for my efforts. I am not going to insist on it. There are no restrictions in P3Tools that requires a serial number or similar. I am simply going to leave it to your conscience. Anyway, like I said earlier, I don't want your money. **I want to hear your music.**

There are a number of P3'ers out there that have released some excellent CD's, so hopefully they will send me a one of their releases. I'm particularly keen on EM, so I have got my eye on Paul, Gert, the RMI guys, and so on ;-). If your music is not EM, I would still love to hear it.

If a CD-R is more convenient then that will be fine. If you are happy to send me a CD or CD-R of a release, send me an email to check that I haven't already bought your CD already, and I will reply with my postal address.

If you have never released a CD, and if you are like me, amazed when you manage to come up with anything slightly musical. Well ... don't be shy. I would still love to hear your stuff as well, so email me some mp3's.

5. What else is needed to run it ?

P3Tools has been written using C# and the Microsoft .NET platform. This means that your PC must have a copy of the Microsoft .NET Framework V1.1 installed in order to run.

The Microsoft .NET Framework V1.1 can be downloaded from the Microsoft MSDN website at the following web address (if it hasn't changed by now).

<http://www.microsoft.com/downloads/details.aspx?FamilyId=262D25E3-F589-4842-8157-034D1E7CF3A3&displaylang=en>

Or search google with the words **dotnetfx.exe download** and that should send you in the right direction.

If you don't know what the .NET framework is ... Well its essentially a suite of library functions that have been written by Microsoft to manage interactions between the software written by developers and the Windows OS. You may be familiar with the term "VB6 Runtimes". Well its a similar concept, just more up to-date.

OS requirements ...

Well I run it (and developed it) on Windows XP, its fine on that.

I have to admit that I have not tried it on any other flavour of Windows so I am not too sure how it would behave. I do know that the .NET Framework has issues with older versions of windows (trivial with newer versions, worse with older versions).

But if I was to guess on its behaviour it would be as follows:

Windows 2000	- Fine I would imagine.
Windows NT 4	- Probably ok with latest service packs.
Windows ME	- A P3 owner has reported that P3Tools works OK.
Windows 98 SE	- A P3 owner has reported that P3Tools works OK.
Windows 98	- No hope (at least that's my guess).

6. Installing/Upgrading P3Tools

Make sure that you have already installed the Microsoft .NET Framework.

Installing P3Tools is really simple. So simple in fact, that all you have to do is copy the required files onto your PC. The files are provided in a standard zip file **P3Tools.zip**.

- Create a folder to put P3Tools in. You can put it wherever you want.
- Unzip P3Tools.zip and copy all the contained files into the folder you have just created.
- Double click the P3Tools.exe file, and P3Tools will run.
- I will leave it to you to decide whether you want to create a shortcut to P3Tools.exe in your start menu or on your desktop.

If you ever want to remove P3Tools from your PC, simply delete your P3Tools folder and all the files it contains.

If you are upgrading P3Tools from an older version, the simplest thing to do is to delete the contents of your current P3Tools folder, put the new P3Tools files in their place, and then setup up your P3's and their midi ports again when you run P3Tools. Of course, if you save your data .SYX and .SP3 files in the same P3Tools folder, then you **should not delete** those. But of course we all back up our important data file regularly don't we ;-) ;-).

It is actually possible to run both the old version and new version of P3Tools if you want. To do this, put the newer version of P3Tools in a completely separate folder from the old version.

7. How does P3Tools talk to the P3 ?

P3Tools can communicate with your P3 using midi.

For this to work correctly you must ensure that your PC is connected to both the Midi In and Midi Out ports of the P3.

This is because whenever P3Tools sends configuration data to the P3, requests data from the P3, or uploads firmware to the P3, information is actually transferred in both directions. The P3 and P3Tools have both implemented a protocol which allows P3Tools to transfer data to and from the P3 as fast as possible while detecting errors in the transfer process as they occur. This means that P3Tools can take action to deal with the error, which usually means that the data is sent again.

You may notice while you are transferring data and firmware between P3Tools and the P3, that the P3 display is occasionally saying that there is a Checksum error or that it received Bad Data. At the same time you should see that P3Tools is incrementing a count of retries on its screen. **Don't worry about this.** This is an indication that P3Tools and the P3 have noticed a problem and have taken steps to make sure the data is transferred correctly.

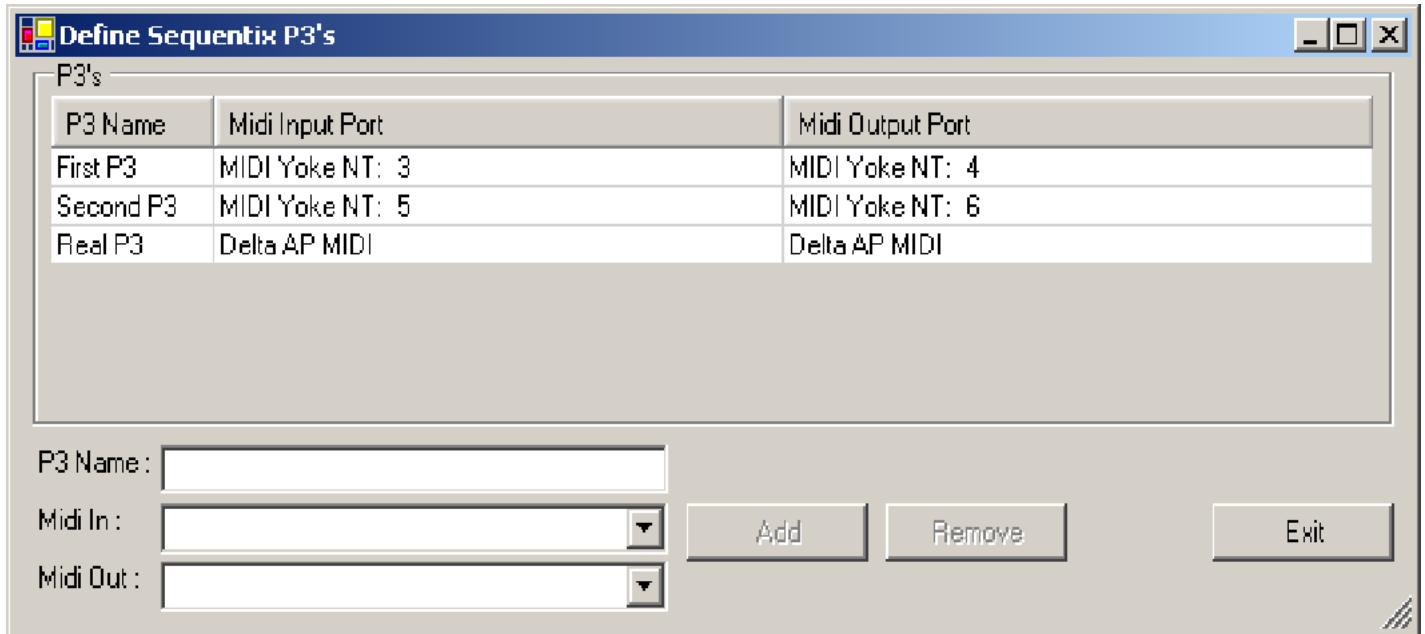
There is a chance that there are so many errors occurring in the transfer that it is not worth carrying on. In this case P3Tools will display a "Failed" message on its screen, and the transfer will stop. But to be quite honest, this should really never happen. I have seen the "Failed" message several times, and in each case its because I have messed up. Usually its because I have forgotten to put the P3 into SYS EX Receive mode, or Firmware Receive Mode as required.

Ah yes ... SYS EX Receive Mode and Firmware Receive modes ... **You must still** put your P3 in to SYS EX Receive Mode in order to send it patterns, playlists and configuration, and into Firmware Receive Mode in order to send it a firmware.

To get pattern, playlist, and configuration data transferred from the P3 to P3Tools, you **do not** use the SYS EX Send function on the P3. **You actually put the P3 into SYS EX Receive Mode again.** This may sound wacky, but it is actually quite logical. It is the protocol coming into play once again. P3Tools asks the P3 for all the data it wants to receive, and the P3 responds to the requests with the data that it has been asked for. This means that P3Tools can ask for data as fast as it can deal with it, and can ask for it again if it finds a problem with the data it receives from the P3. The P3 must be put into SYS EX Receive Mode so that it can receive the requests for the data.

8. Defining Your P3's

On running P3Tools for the first time, the first thing you should do is to define your P3's. This is done using the **Define Sequentix P3's** screen, which can be reached through the **Define P3's** menu option of the **Options** menu on the main screen.



P3 Name	Midi Input Port	Midi Output Port
First P3	MIDI Yoke NT: 3	MIDI Yoke NT: 4
Second P3	MIDI Yoke NT: 5	MIDI Yoke NT: 6
Real P3	Delta AP MIDI	Delta AP MIDI

P3 Name:

Midi In:

Midi Out:

Add Remove Exit

The table at the top of the screen shows the P3's that you have currently defined. Beneath it are a set of fields and a button to define an additional P3, and a button to remove one of the existing P3 definitions.

As you can see you can define more than one P3. Apparently some people have more than one P3 !!!!! Just plain greedy if you ask me ;-) ;-)

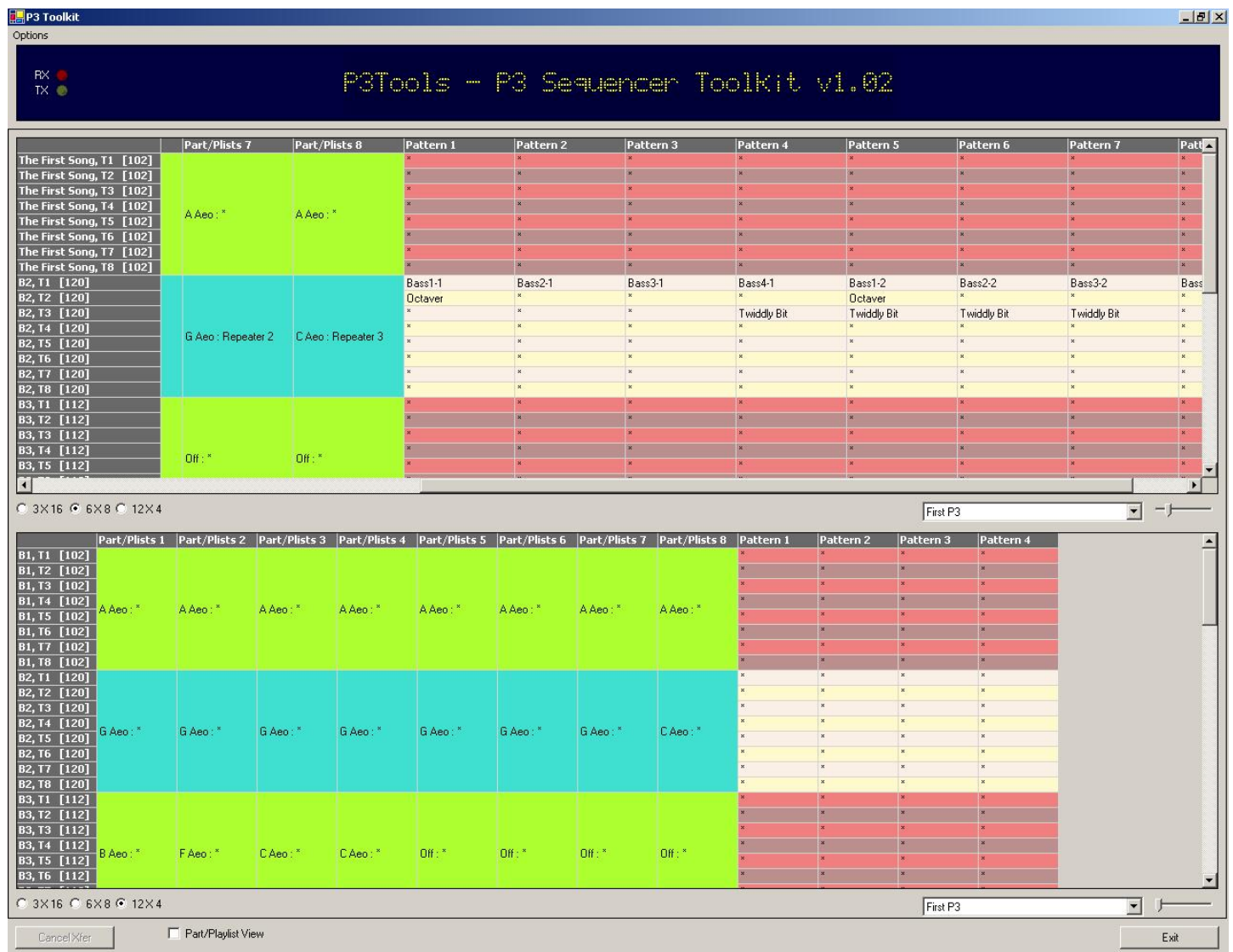
To define a P3, you must give it a name, and define the PC's Midi in and Midi out ports that are used to communicate with the it. Once you have done this, press the Add button, and the definition will be added to the table. The name you give to your P3 can be anything you wish. "Tom", "Dick", "Harry", whatever you wish. The name will appear again on the main screen as you will find out later.

To remove a definition, click the mouse on the required row in the table, and press the Remove button.

Once you have finished updating your P3 definitions, press the Exit button.

9. The Main Screen

The Main Screen looks as shown below.



At the top of the screen is a **Status Display**. The Status Display consists of two “LEDs”, that illuminate when Midi comms between the P3 and P3Tools is in progress. and also an “LCD Panel” which displays messages that P3Tools wants to display to you.

Below that are two separate **P3 Configurations**, each showing the Parts/Playlists and Patterns that are contained within them. The Parts/Playlists and Patterns are organised in their banks and tracks as required. The Part/Playlists are on the left, and the Patterns, in their tracks, are on the right.

Below and on the right of each P3 configuration is a **P3 Selector** and a **Display Size Slider**.



The P3 Selector is a drop down list that contains the names of all the P3's that you have defined. When you perform a Request or Transmit of data on the associated P3 Configuration then the request/transmit will go to the selected P3. The two P3 configurations can be configured to transfer data to the same or different P3's if you wish.

The Display Size Slider changes the width of the blocks that represent the Part/Playlists and Patterns. As you can see, the Part/Playlists and Patterns can be given names. If the names are too long to be displayed then you can increase the width in order to display all the name text.

Below and on the left of each P3 configuration is a **Bank Mode Selector**.



You can pick the mode that you want the associated P3 Configuration to be. The associated P3 Configuration is displayed in a manner that reflects the Bank Mode. When you transmit the P3 Configuration to the P3, it will automatically switch to the Bank Mode you have selected. When you receive a P3 Configuration from a P3, the display and Bank Mode Selector will be set to the Bank Mode that the P3 was operating in.

If you perform a Right Mouse click on a Part/Playlist or Pattern, you will get a menu of operations you can perform. Those operations are described in the following sections.

The Pattern blocks within both P3 Configurations display Content Indicators. The Content Indicators give you a summary of what is contained in the pattern. A sample of the indicators are shown below.

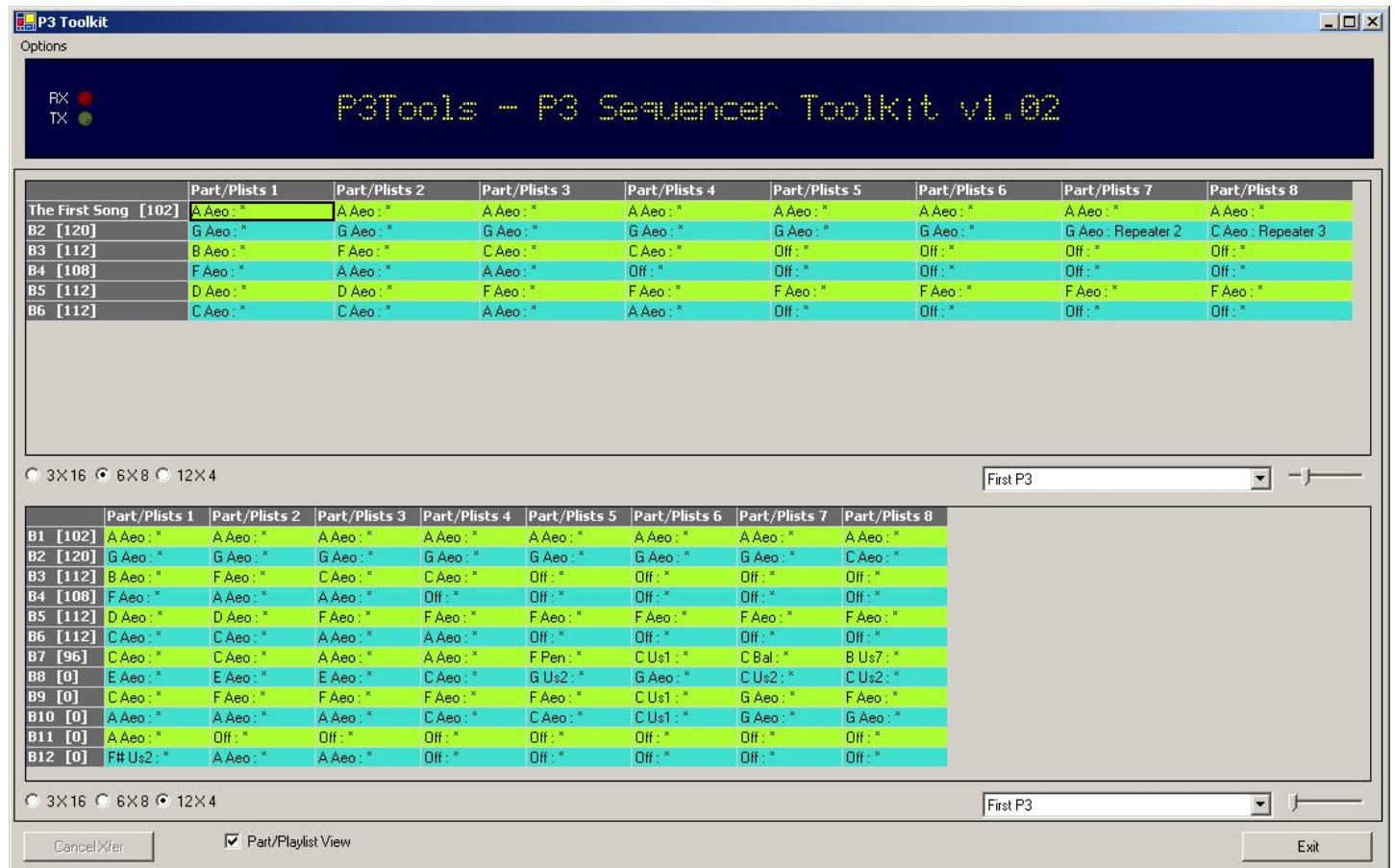
N :	*	N :	*
NAd :	*	*	*
N :	*	*	*
N :	*	NABC :	*
N :	*	A :	*
N :	*	N :	*
NAd :	*	*	*

The letters before the : character are the Content Indicators. Each letter has a different meaning as follows.

Indicator	Meaning
N	The pattern contains notes. i.e. You have enabled a gate on at least one step between the first and last step.
a	The pattern will send out a CC on Aux A. i.e. You have configured Aux A to send a CC, and enabled it on at least one step between the first and last step.
b	The pattern will send out a CC on Aux B. i.e. You have configured Aux B to send a CC, and enabled it on at least one step between the first and last step.
c	The pattern will send out a CC on Aux C. i.e. You have configured Aux C to send a CC, and enabled it on at least one step between the first and last step.
d	The pattern will send out a CC on Aux D. i.e. You have configured Aux D to send a CC, and enabled it on at least one step between the first and last step.
A	The pattern will process an Aux Event on Aux A. i.e. You have configured Aux A as an Aux Event, and enabled it on at least one step between the first and last step.
B	The pattern will process an Aux Event on Aux B. i.e. You have configured Aux B as an Aux Event, and enabled it on at least one step between the first and last step.

C	<p>The pattern will process an Aux Event on Aux C.</p> <p>i.e. You have configured Aux C as an Aux Event, and enabled it on at least one step between the first an last step.</p>
D	<p>The pattern will process an Aux Event on Aux D.</p> <p>i.e. You have configured Aux D as an Aux Event, and enabled it on at least one step between the first an last step.</p>

The Main Screen can be placed into a **Part/Playlist View** mode which is shown below.



To place it into this mode, put a tick into the **Part/Playlist View** checkbox that you can see at the bottom of the screen.

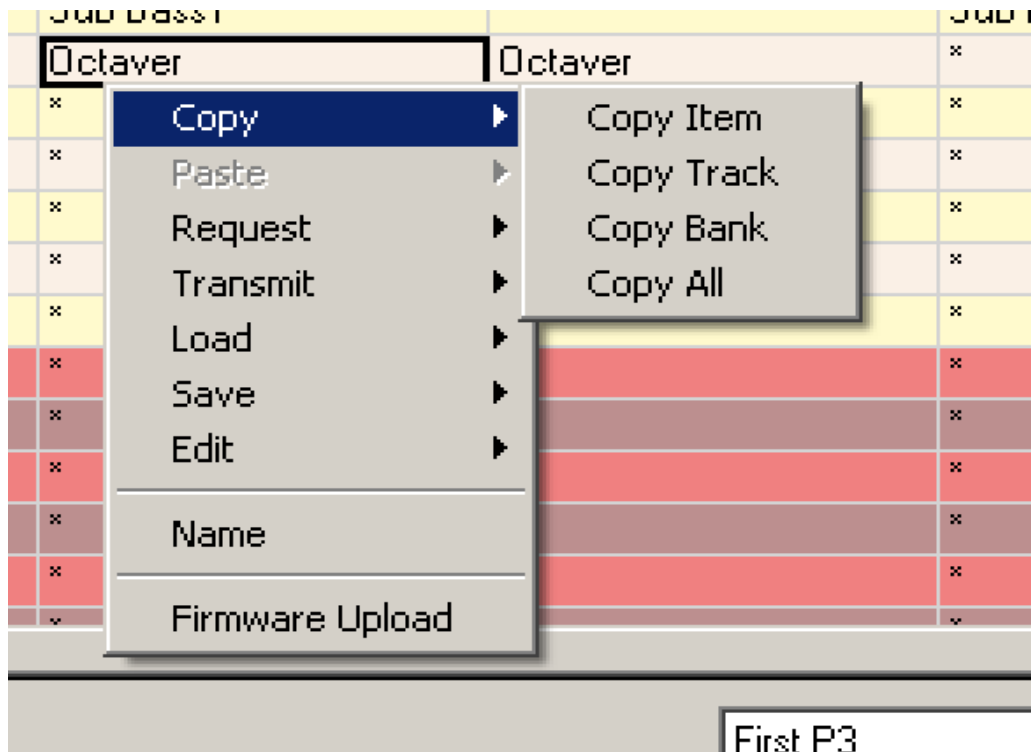
Part Playlist View does not display the Patterns, but still displays the Part/Playlists that make up each Bank. As the Patterns are not displayed, it is possible to display the Parts/Playlists in a more compressed form so that it is possible to more easily each bank without the need for scrolling.

In both variants of the main screen, the Bank name is displayed on the left hand side of the P3 configuration data. If no Bank name has been set, then the Bank number will be shown, e.g. B1, B2 and so on. Along with the Bank name/number and in square brackets, the Bank Temp is displayed.

In both variants of the main screen, the Part/Playlists display the FTS settings just in front of any name that you have given the Part/Playlist. The FTS setting is displayed using the same shortened version of the FTS setting as the P3 displays.

10. Copy/Paste Operations

The Copy Menu is as follows:



- Copy Item** Copies the individual Part/Playlist or Pattern that you right clicked on.
- Copy Track** Copies all the Patterns in the track that you right clicked on.
- Copy Bank** Copies all the Part/Playlists and Patterns that you right clicked on. It also ensures that all the midi channels for the bank are copied.
- Copy All** Copies all the Part/Playlists and all the Patterns for the entire P3 are copied. It also copies the Bank and FTS data, and all other configuration details for the P3.

The Paste menu is basically identical to the Copy Menu.

- Paste Item** Pastes the item just copied into the right clicked item. This can be within the same P3 configuration or within the other P3 Configuration.
- Paste Track** Pastes the track just copied into the right clicked track. This can be within the same P3 configuration or within the other P3 Configuration.
- Paste Bank** Pastes the Bank just copied into the right clicked Bank. This can be within the same P3 configuration or within the other P3 Configuration.
- Paste All** Pastes all the Part/Playlists, Patterns and config data just copied. The paste must be into the opposite P3 Configuration from the Copy.

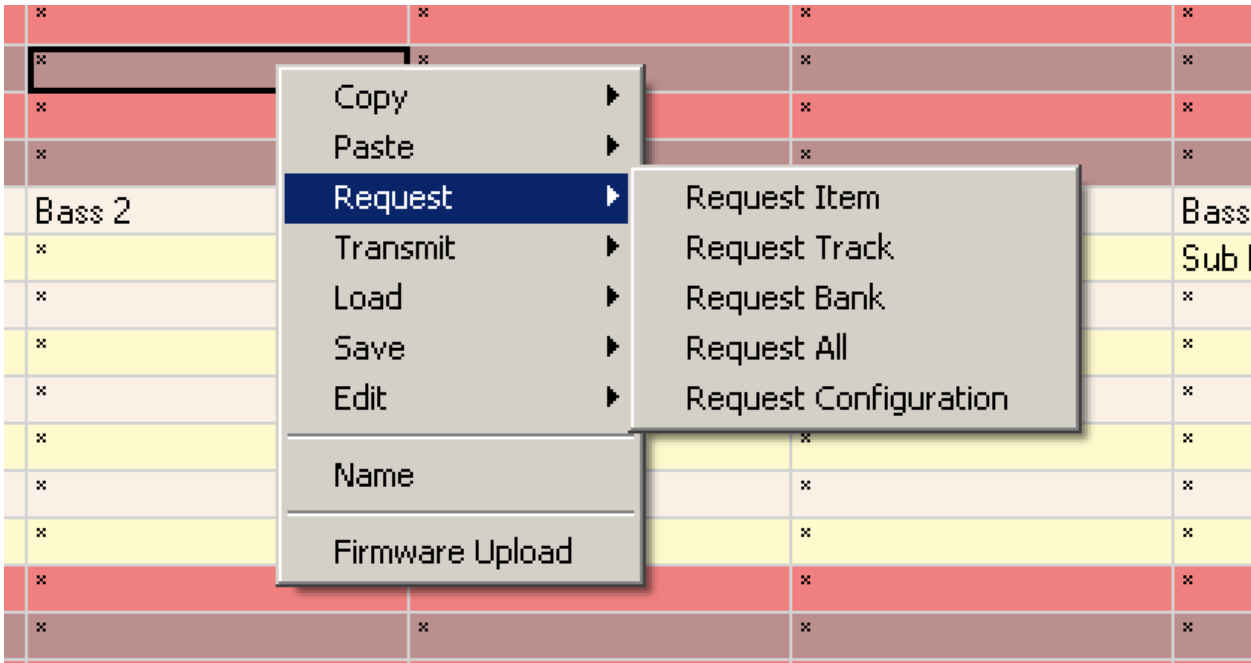
Individual Part/Playlists and individual Patterns can also be copied by using the mouse to **drag-and-drop** the items around the two P3 Configurations.

Copying Part/Playlists and Patterns will also copy any names associated with them.

11. Request/Transmit Operations

In order to Request data from the P3, or Transmit data to the P3, the P3 must be in SYS EX Receive Mode.

The Request Menu contains commands that requests data from the P3.



- Request Item**
Request Track
Request Bank
Request All
Request Configuration

Requests the individual Part/Playlist or Pattern that you right clicked on.
Requests all the Patterns in the track that you right clicked on.
Requests all the Part/Playlists and Patterns that you right clicked on.
Requests all data for the entire P3.
Requests the general configuration data from the P3.

The Transmit Menu is the same as the Request menu, except the data is transmitted from P3Tools to the P3.

Data is Requested from, and Transmitted to the P3 whose name you have selected.

12. Load/Save Operations

P3 Configuration can loaded from files or saved to files.

The Load menu is :

Load P3 Image from SP3	Loads all configuration data from an .sp3 file.
Load P3 Image from SYX	Loads all configuration data from an .syx file.
Load Pattern from PP3	Loads pattern data from an .pp3 file into the selected pattern.

All of these options will display a “File Open” dialog, to allow you to select the file to load.

You will all know what a .syx file is, but the .sp3 and pp3 are new and P3Tools specific.

An sp3 file should be your preferred file format when saving an entire image of a P3. It is similar in function to a .syx file, except it has the additional ability to store the names that you have given to items.

An pp3 file should be your preferred file format when saving an individual pattern of a P3.

The Save menu is similar to the Load Menu:

Save image as SP3	Saves all configuration data to an .sp3 file.
Save image as SYX	Saves all configuration data to a .syx file.
Save Pattern as PP3	Saves the selected pattern to a .pp3 file.

All of these options will display a “Save As” dialog, to allow you to specify the file to save into.

13. Edit Operations

There edit operations are as follows.

Edit P3 Configuration

Edits the P3's general configuration parameters.

Edit Pattern Configuration

Edits a patterns configuration parameters..

Edit Part/Playlist Configuration

Edits a patterns configuration parameters..

Convert Aux

Converts old format aux events to the new format aux events.

Drum Selector

Configures the track to trigger the drum of your choice.

Edit P3 Configuration

The following screen is displayed to edit the global P3 configuration:

Edit P3 Configuration - Memory Version 0

Misc Settings

TX Midi Clock ☒ Thru Channel **Off**

Safe Stop ☐

Record Settings

Play Mode Midi Thru ☒ FTS To Thru Notes ☒

Pattern Edit Midi Thru ☒ Note Overdub ☐

Tie Overlapped Notes ☒ Rec Channel **1**

Randomizer Settings

Upper Range **0** To **127** Inclusive

Note Range **C - 5** To **C - 8** Inclusive

User Settings

Quick Pattern Select ☐ FTS To Thru Notes ☐

Hold Chain Mute ☒ Auto Save Edits ☐

Aux Edit Sets On ☒ Enable Mixer ☐

Send BPGM On Run ☐ Display Note Numbers ☐

Lock Bank Tempo ☐ TX Remote Control ☐

Start On Continue Msg ☐ RX Remote Control ☐

Redir CCs to Rec Chan ☐ Disable All Notes Off ☐

Midi Channels Per Bank ☐ Sticky Keys ☐

Arpeggio Settings

Reset On New Group ☒

Track Base Notes and Ranges

	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8
From	C - 2	C - 2	C - 2	C - 2	C - 2	C - 2	C - 2	C - 2
To	C# - 2	C# - 2	C# - 2	C# - 2	C# - 2	C# - 2	C# - 2	C# - 2

Midi Channels

	1	2	3	4	5	6	7	8	PGM
1	1	2	3	4	5	6	7	8	9
2	1	2	3	4	5	6	7	8	9
3	1	2	3	4	5	6	7	8	9
4	1	2	3	4	5	6	7	8	9
5	1	2	3	4	5	6	7	8	9
6	1	2	3	4	5	6	7	8	9
7	1	2	3	4	5	6	7	8	9
8	1	2	3	4	5	6	7	8	9
9	1	2	3	4	5	6	7	8	9
10	1	2	3	4	5	6	7	8	9
11	1	2	3	4	5	6	7	8	9

Save + TX Save Cancel

You will note that the title bar at the top of the form displays the Memory Version. This is a version assigned by Colin to describe the layout and meaning of the data in the P3. This may be used by P3Tools to determine that certain actions should be allowed or not (for example Aux Event conversion).

I won't describe what each of the configuration options is, read the P3 Manual for that.

To edit the midi channels, simply start typing in the table. To finish the edit press the return key. You can scroll around the table or click into the table with the mouse.

You can abort all the changes you made, by pressing the Cancel button. You can save the changes you made into the P3 Configuration by pressing the Save Button. You can save the changes you made and immediatly attempt to transmit it to the P3 by pressing the Save + TX Button.

Edit Pattern Configuration

The following screen is displayed to edit the pattern configuration:

Edit Pattern Configuration

Misc
 Name:
 Timebase: 16 Direction: Forward Last Step: 16

Aux A
 Event ☒ Knob n to auxD
 Replace aux D value with current value of knob n.

Aux B
 Event ☒ Mask xC, dAcc>n
 Defeat aux C unless xD accumulator > value.. [Range = 0 - 127]

Aux C
 Event ☐ 5
 Midi Controller 5

Aux D
 Event ☐ 2
 Midi Controller 2

Note Accumulator
 Limit: 32
 Limit Behaviour: Return To Zero
 Result Behaviour: 16

Velocity Accumulator
 Limit: 32
 Limit Behaviour: Return To Zero
 Result Behaviour: 16

AuxD Accumulator
 Limit: 32
 Limit Behaviour: Return To Zero
 Result Behaviour: 16

Accumulator Options
 Reset On Pattern Select ☒
 Aux D Accumulator Disconnect ☐

Save + TX Save Cancel

Once again, if you want to know more about what these items are, read the P3 manual.

Edit Part/Playlists Configuration

The following screen is displayed to edit the pattern configuration:

The screenshot shows a Windows-style dialog box titled "Edit Part/Playlist Configuration". It contains several sections for configuring a part or playlist:

- Misc:** A text field for "Name".
- Force To Scale:** A section containing a "Display Flats" checkbox (checked), a dropdown menu currently showing "Db", and another dropdown menu showing "Harmonic Minor".
- Global Bar Length:** A slider control with a value of 16 displayed below it.
- Part Chain Repeat Count:** A slider control with a value of 1 displayed below it.
- Part Transpose:** A slider control with a value of 0 displayed below it.

At the bottom of the dialog are three buttons: "Save + TX", "Save", and "Cancel".

You will find an explanation for all these things in the P3 manual.

Note that the "Display Flats" checkbox allows you to select whether you wish the P3's FTS feature to display the black notes as sharps or flats.

Convert Aux

There is no screen for this operation. It converts the aux event data format of the older P3 firmwares into the new aux event format of the latest firmwares. Note that in order for P3Tools to know whether Aux Event Conversion is allowed or needed at all, it must know the Memory Layout Version of your P3. Therefore you must have read the P3 configuration from your P3 at least once since you ran P3Tools.

Drum Selector

The Drum Selector is a mechanism to help you set up P3 patterns/tracks to trigger drum sounds of your choice. The following screen is displayed to configure a track to trigger a drum:

Test Kit 1	Test Kit 2	TR808
Bass Drum	Bass Drum A	Bass Drum
Cymbal	Boing	Snare Drum
Snare Drum	Boom	Low Tom
	Deep Bass A	High Tom
	Peng	Open High Hat
	Tchak	Closed High Hat
		Hand Clap
		Rim Shot

☒ Use drum selected above ☐ Use note selected below

E-0

Velocity : 3

Save + TX Save Cancel

To configure a track as a drum track, you must right click on one of the Pattern blocks in the track and select the Drum Selector menu option in the Edit menu.

In order to configure a track to trigger a drum, the Drum Selector does a number of things.

1. It ensures that every step in every pattern in the track will transmit the midi note number that you specify.
2. It defaults the velocity of every step in every pattern in the track to the midi velocity value you select.
3. It ensures that all ties in all patterns of the track are disabled.

So to get your drum going, all that remains for you to do is to edit the required pattern on the P3 and enable the required steps using all those lovely P3 buttons. But of course you don't have to stop there. Customise your velocities in the usual manner, and start. playing with all those other P3 features.

Selection of the required midi velocity is simply done using the velocity drop down. Selection of the midi note can be done

in one of two ways.

Firstly, you can simply specify the note you want using the note drop down. In this case the “Use note selected below” option must be selected. It will be up to you to remember the notes you need from the drums you want to trigger.

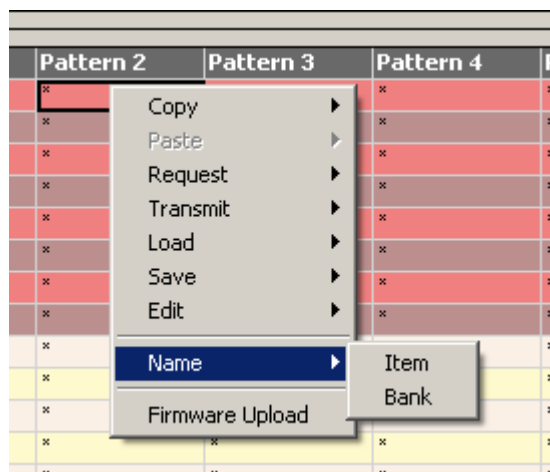
Secondly, you can select a drum by name from a list of drum kits that you can configure. This will mean that you won’t have to remember which drum sound is triggered by which midi note number. In this case the “Use drum selected above” option must be selected.

To configure your custom drum kits is a very simple matter. In the same directory as the P3Tools program is a file called “drumkits.txt”. This file contains the definition of your drum kits, and you can edit it using a simple text editor program. This file lets you define multiple drum kits. For each drum kit, you name all the drums that the kit contains, and specify the midi note number that triggers each drum. Its not difficult. Just look at the “drumkits.txt” file and I think you will find it all simple enough. A word of warning though. The “drumkits.txt” file must exist. Do not delete it.

Note that Drum Selector does not configure the midi channel for you. It is up to you to configure the right track with the right drum or midi note number in order to get it out on the correct midi channel you need.

4. Naming Operations

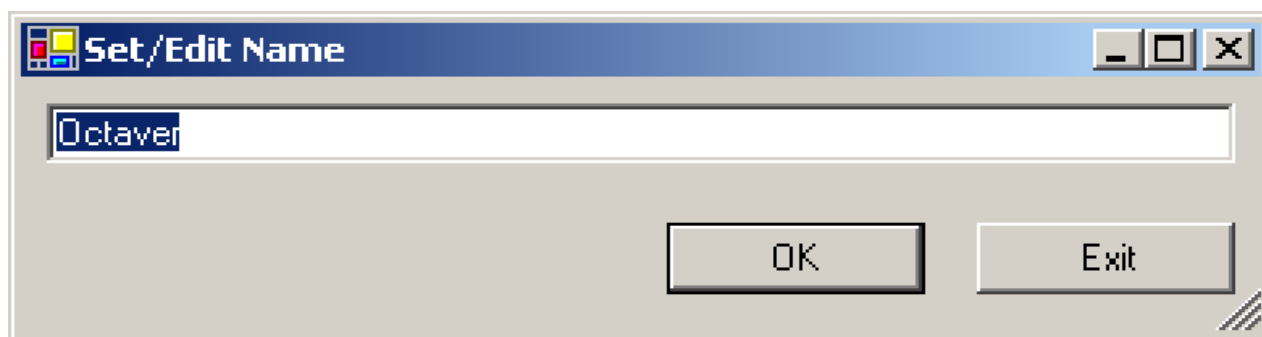
The Naming menu is:



Item Names the Part/Playlist or Pattern that you right clicked on.

Bank Names the Bank of the Part/Playlist or Pattern that you right clicked on.

When you name a Part/Playlist, Pattern or Bank, the following screen will be displayed:



For Parts/Playlists you can also go directly to this naming screen by double-clicking the item in the P3 Configuration.

When you double-click a pattern in the P3 Configuration, you will get the Pattern Configuration editor screen, but you can change the name of the pattern there as well.

5. Firmware Upload Operations

You can start a Firmware Upload to a P3 using the Firmware Upload menu option. The P3 must be in Firmware Receive Mode.

This will display a “File Open” screen so you can pick the .syx, (the default) or .mid file containing the firmware.

The firmware is uploaded to the P3 that you have selected.

6. History

1.00

- First version.

1.02

- Part/Playlist View mode.
- Name Banks.
- Show Bank Tempo with bank name.
- Display FTS settings in Part/Playlist.
- Support for official Sequentix Manufacturers ID in SYS EX

Note that if you load P3 configuration data from a .SYX or .SP3 file where the SYS-EX's contain Colin's old unofficial Manufacturers ID of "CJF", then they will be automatically converted to the official ID on loading. They will remain converted when you re-save this data back to .SYX or .SP3 files.

The Manufacturers ID in .SYX files containing P3 firmware are left unchanged.

1.03

- Oops ... Can't remember.

1.04

- Pattern Configuration Editor.
- Pattern Content Indicators in the main P3 screen.

1.05

- Make sure the Aux Event selection list is complete.

1.06

- Fixed rendering problem when bank layout read from p3 is different to current displayed.
- Old Format to New Format Aux Event converter.
- Latest User Config editing.

1.07

- Added Record channel to P3 config editor.
- Added Track Base Note and Range settings to P3 config editor.
- Added Timebase, Direction and Last Step settings to Pattern config editor.
- P3 firmware can be updated from a .syx file or .mid file. syx file is the default.
- Memory layout version is inspected before allowing Aux events to be converted.
- Added Part/Playlist config editor
- Added Drum Selector.

Note that in order for P3Tools to know whether Aux Event Conversion is allowed or needed at all, it must know the Memory Layout Version of your P3. Therefore you must have read the P3 configuration from your P3 at least once since you ran P3Tools.

1.08

- Updated to match the 3.1.006 beta firmware.

1.09

- Add the additional User config options that were added to the final version of 3.1.006 firmware.
- When a bank is copied the bank tempo and bank program is copied as well.
- Remove screen clutter by only displaying the bank tempo and program on the first track.
- Added a new pp3 file format to store pattern data. Save and load functions that goes with it have been added.