

FUNK

DRUM PATTERNS

MIDI DRUM PATTERNS FOR MPCs & AKAI FORCE



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Funk Drum Patterns: Introduction

- **Funk Drum Patterns** contains **325 funk grooves** in MPC MIDI pattern format created from real drummer performances and packed with natural, human feel with no quantising.
- Patterns each come with up to 4 additional variations and fills, covering a range of different funk styles.
- Multiple mappings ensure compatibility with all common MPC Drum kits 'out of the box' including **Akai factory kits**, the internal **DrumSynth** & our own range of '**Pad Pimps**' kits such as MPC Drummer and Dirty Drummer. Universal mappings ensure all patterns can support any other custom kit, including GM mapped kits.
- This expansion is compatible with all modern MPCs, the **Akai Force**, the **MPC Software** and the **MPC Beats App**.

What's Inside?

This expansion contains **325 MIDI drum patterns** in MPC pattern format created from real drum performances, with no quantization to capture the original human feel and groove.

There's **101 core grooves** provided and each comes with between 2-4 additional variations and fills so you can easily add some spice and variety to the drums in your compositions.

Each pattern is a 2 bar long drum performance, perfectly captured as MIDI events which can be loaded to an MPC track (or to a clip in the Force) and then paired with any drum kit, giving you huge advantages over working with audio loops:

- change tempo and groove with no degradation in sound and no limits
- overdub extra drums
- easily edit and manipulate using grid or list edit, pad mutes, automation etc.
- experiment with different drum kits in real time until you find the exact sound and feel required for your beat

The patterns are provided in a number of different ‘mappings’ to make them suitable for all common drum kit layouts, with versions specifically optimised for our own **Dirty Drummer** and **MPC Drummer** series, mappings for the internal **DrumSynth** plugin, universal mappings which are compatible with our **Underground Crates** expansion, **most Akai factory kits**, commercial Akai expansions and even a ‘**GM**’ mapping version suitable for any external drum machine that adheres to ‘general midi’ standards.

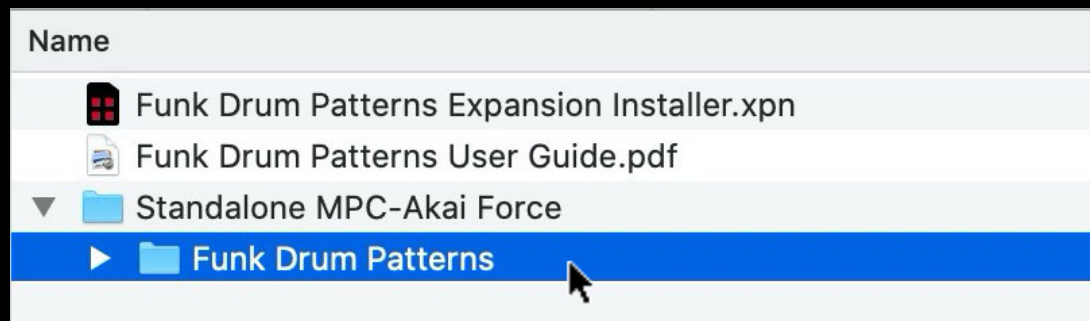
Please see the ‘**Mappings**’ section later in this guide for more details on selecting the most suitable mappings for your needs.

All patterns have an audio preview ‘baked in’ so you can listen to the grooves before loading into your project. Simply select grooves in the MPC expansion browser, listen to the preview and load to a ‘drum’ track in your project.

Install: Standalone MPC & Akai Force

Note: You can view the most up-to-date expansion installation instructions here: <https://mpc-samples.com/article/standalone-mpc-force-expansion-installation>

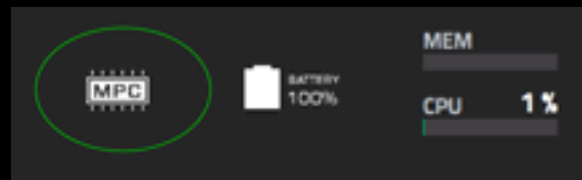
After downloading the expansion, extract the zip file contents to your computer. Enter the '**Standalone MPC-Akai Force**' folder and inside you'll see a sub folder '**Funk Drum Patterns**' – this is the folder we're going to transfer to your MPC/Force.



Expansions must be installed to either an **SD card**, a **USB drive** or, if you have one, an internal **SATA disk**.

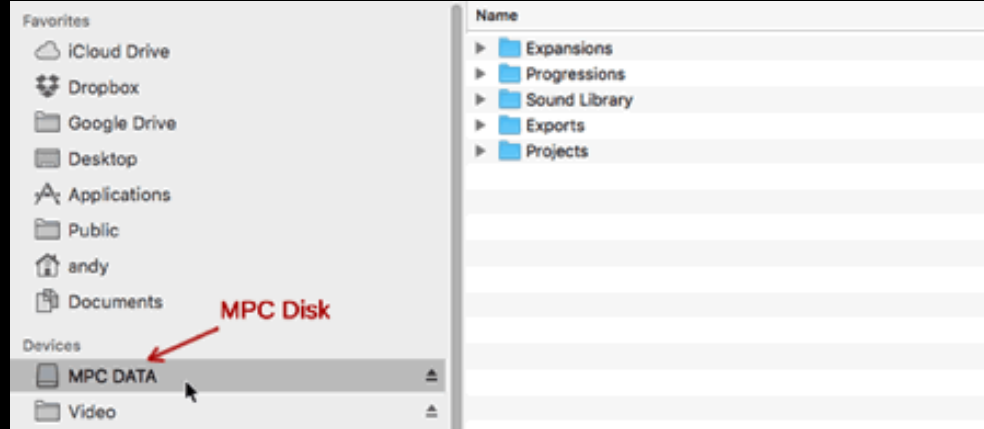
The first step is to mount this 'MPC disk' on your computer. If you use an SD card or USB disk, you can just eject the disk from your MPC/Force and physically insert it into your computer's SD card reader or USB port.

Alternatively, connect your MPC or Force via USB to your computer and go to **MENU** and hit the '**MPC chip**' icon at the top of the screen (this is the '**Laptop**' icon in the Force).

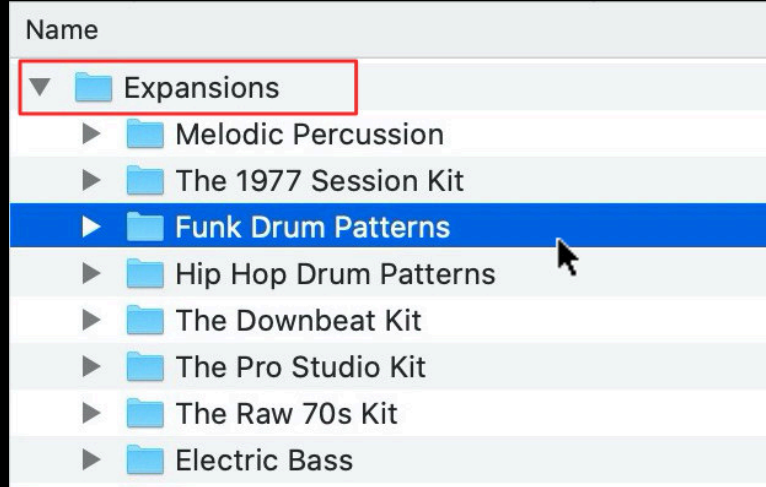


Now select **CONTROLLER MODE** ('**COMPUTER MODE**' in the Force).

Whichever connection method you choose, your MPC disk should now appear as a removable drive in your computer's file manager (e.g. Finder or File Explorer). Click on the drive to open its file system:



If it doesn't already exist, create a folder called '**Expansions**' in the root of your disk. Now copy the '**Funk Drum Patterns**' standalone expansion folder *inside* this '**Expansions**' folder.

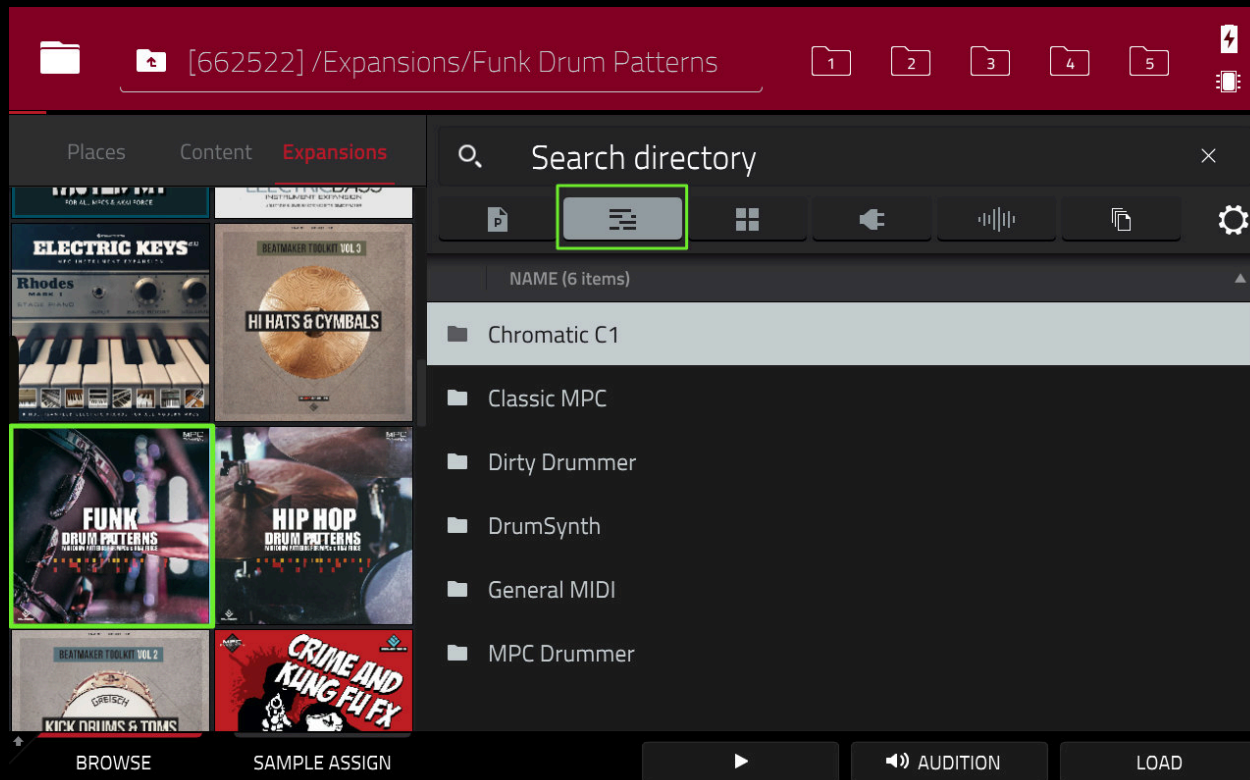


All done! If you had physically transferred the MPC disk to your computer you should now eject the disk from your computer and put the disk back in your MPC.

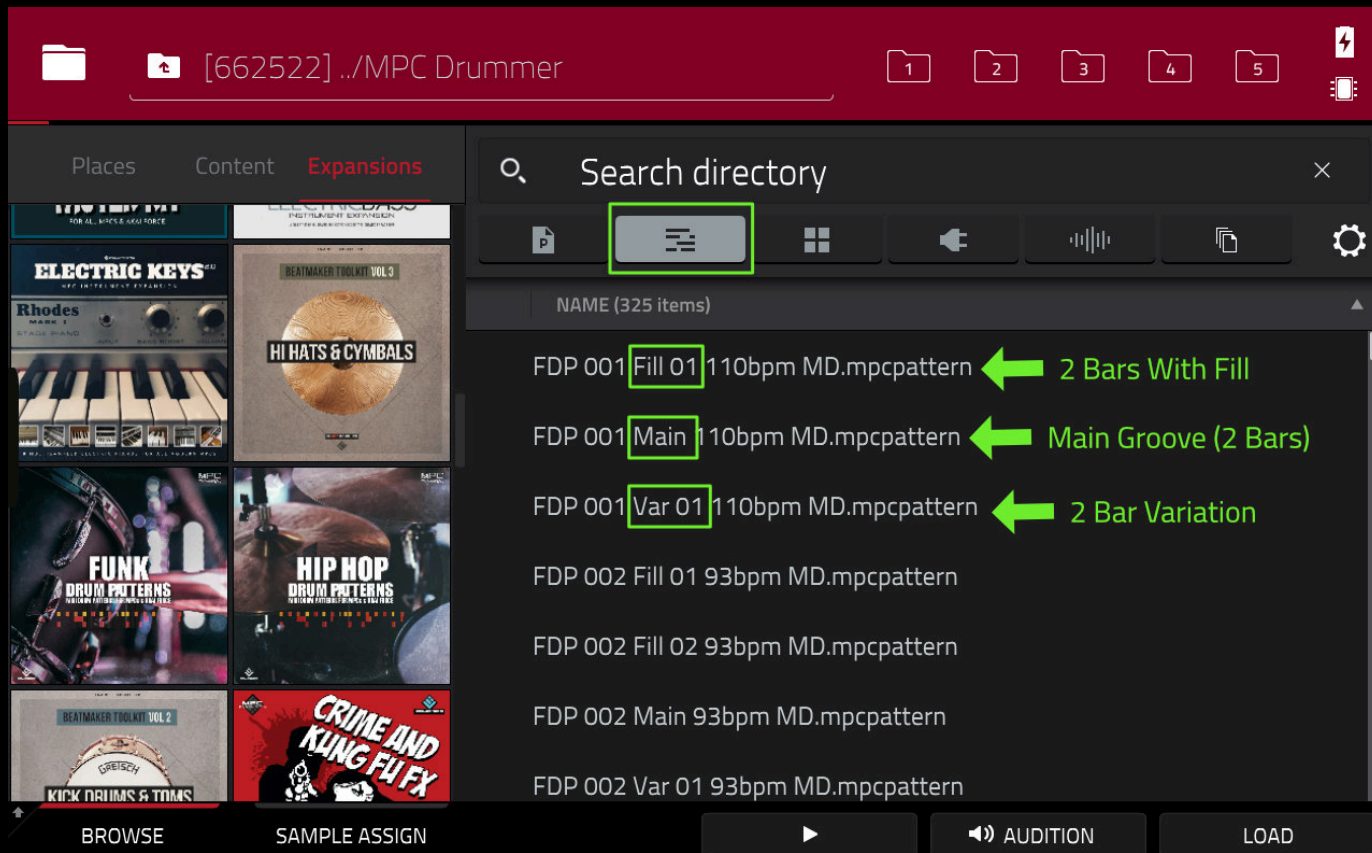
Alternatively, if you used USB transfer then go back to **MENU** and select the computer icon to return to standalone mode - *don't forget to eject/unmount the MPC from your computer first, this avoids any potential data loss.*

Loading Patterns (Standalone MPC/Force)

Go to 'MENU > BROWSER > Expansions' and tap on the 'Funk Drum Patterns' thumbnail. On the right side, select the **MIDI** filter:

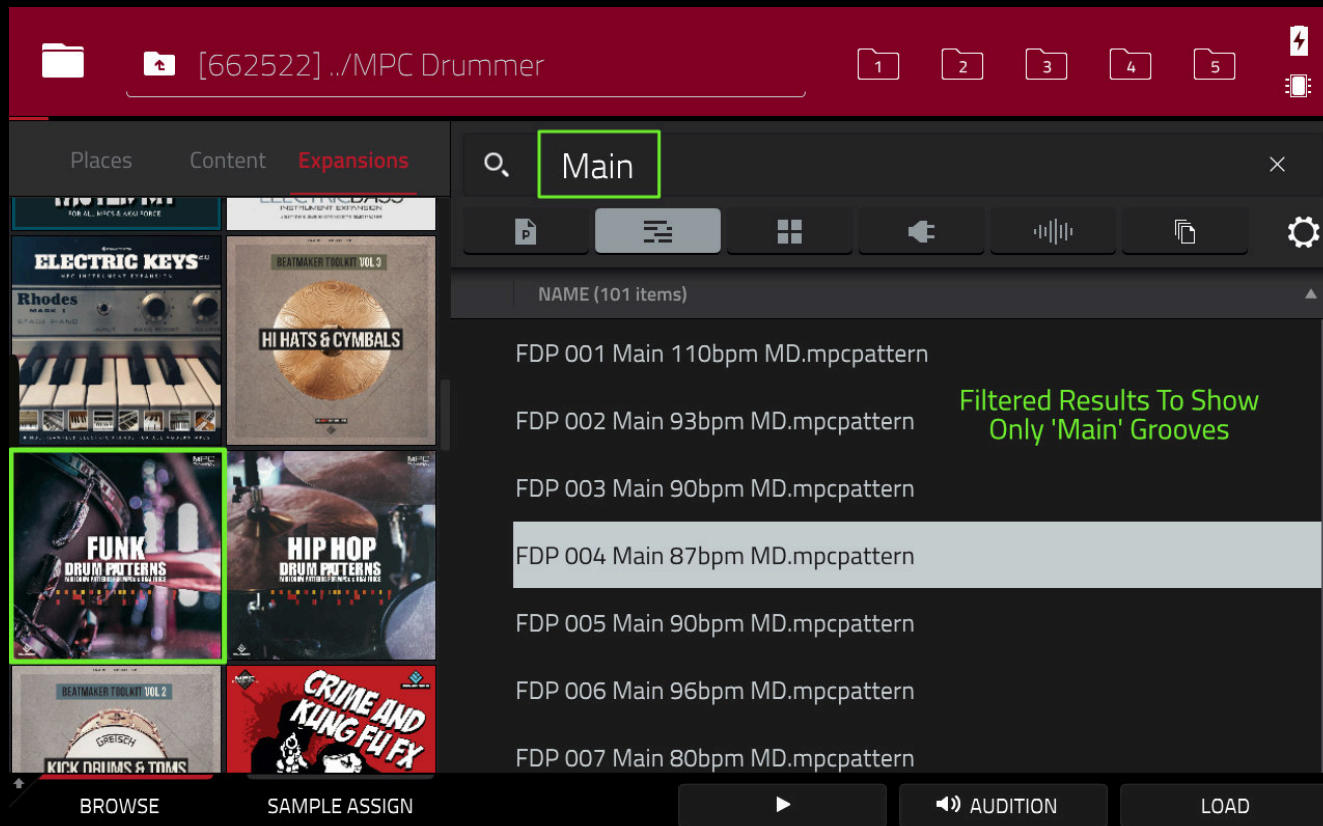


Decide which pattern mapping is best for the intended drum kit (for guidance, see the 'Pattern Mappings' chapter later) and double tap the corresponding mapping folder to enter it:



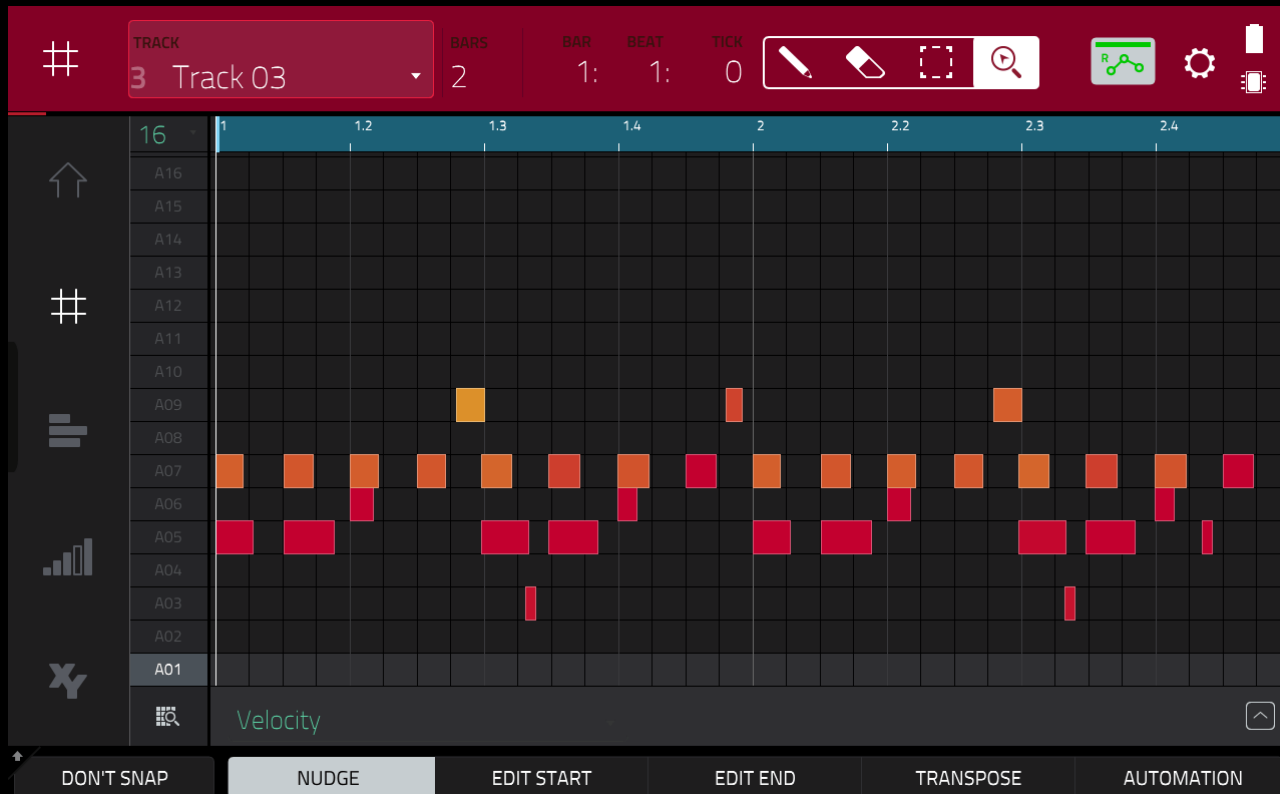
Single tap a pattern to hear a preview (requires '**AUDITION >AUTO**'). Please note that all pattern audio previews are pre-recorded and not 'live' previews of the kit you may have currently selected in your project.

Patterns are named by groove number (001 to 100) and by variation (Main, Var 01, Var 02 etc) or fill (Fill 01, Fill 02 etc). If you wish to quickly view only the 'main' grooves, simply enter the phrase '**main**' in the '**Search Directory**' filter:



You can now use the data wheel to move down the list and automatically preview each groove. To load a selected pattern, press **LOAD** (or on most MPCs, press down on the data wheel). The pattern will be loaded to the first *'unused'* track in your current sequence (it does not matter which track is selected – if there's an unused

track before it, the MIDI is loaded to that other track instead). You can view the loaded MIDI events in **GRID VIEW**:

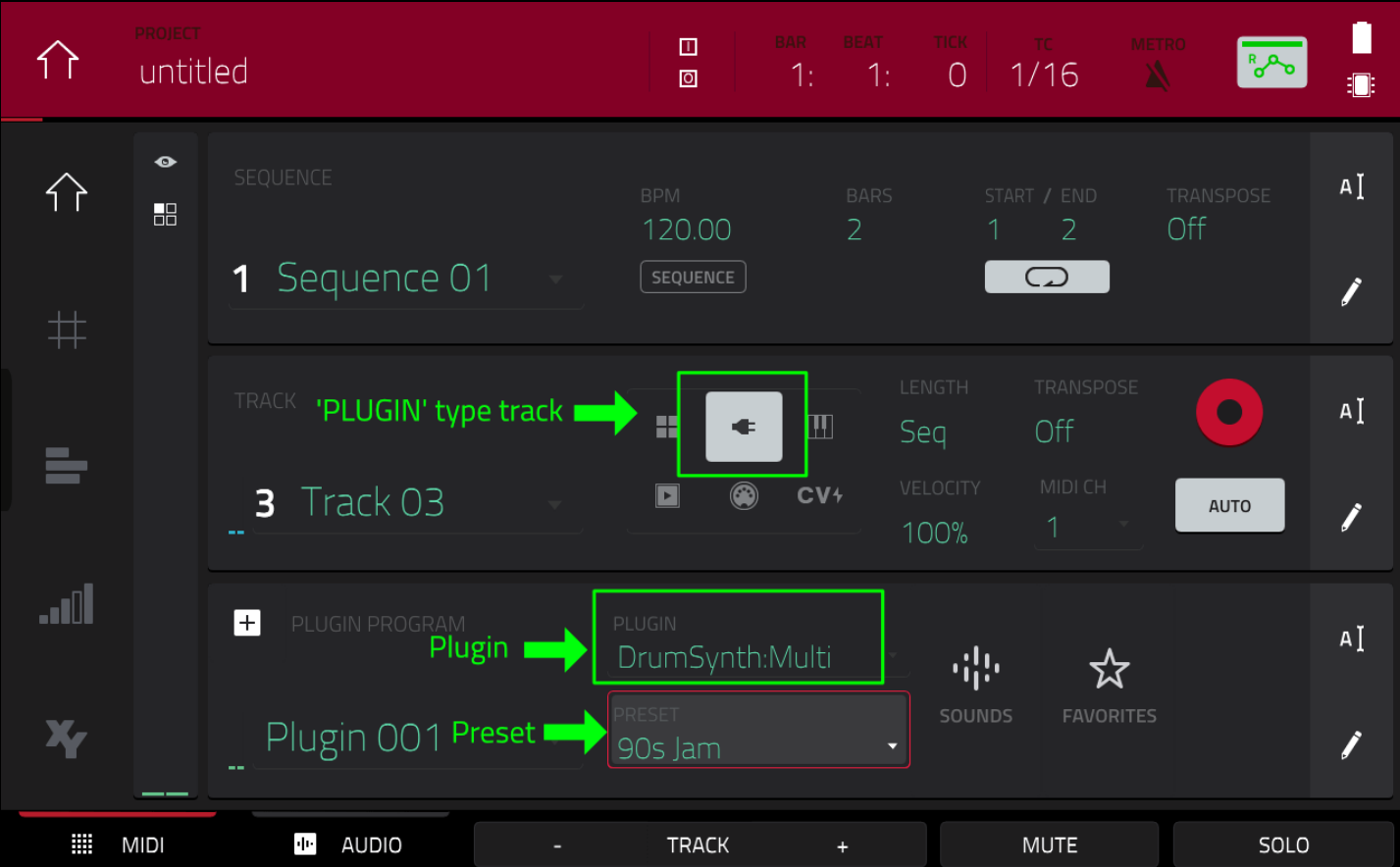


Please note that there is no on-screen indication that a pattern has been loaded – continually pressing load will simply load that same pattern to multiple tracks!

Go to **MAIN** and make sure the track containing the loaded pattern is set to the correct track type for your kit. For sampled kits, this is normally a **DRUM** type track. Now assign any drum kit to this track and hit **PLAY START** to hear it.



If assigning a DrumSynth Multi patch, set the track type to **PLUGIN** and configure it to use **DrumSynth Multi** and select a suitable preset:



You can now edit the drum pattern to your exact needs using standard MPC/Force sequences techniques, such as overdubbing more events in real time using OVERDUB & PLAY START, or editing events via GRID EDIT, LIST VIEW or the STEP SEQUENCER. Please refer to the 'Tweaking' chapter for some handy tips and tricks, but for a more complete guide to sequencing in the MPC, check out my MPC Bible:

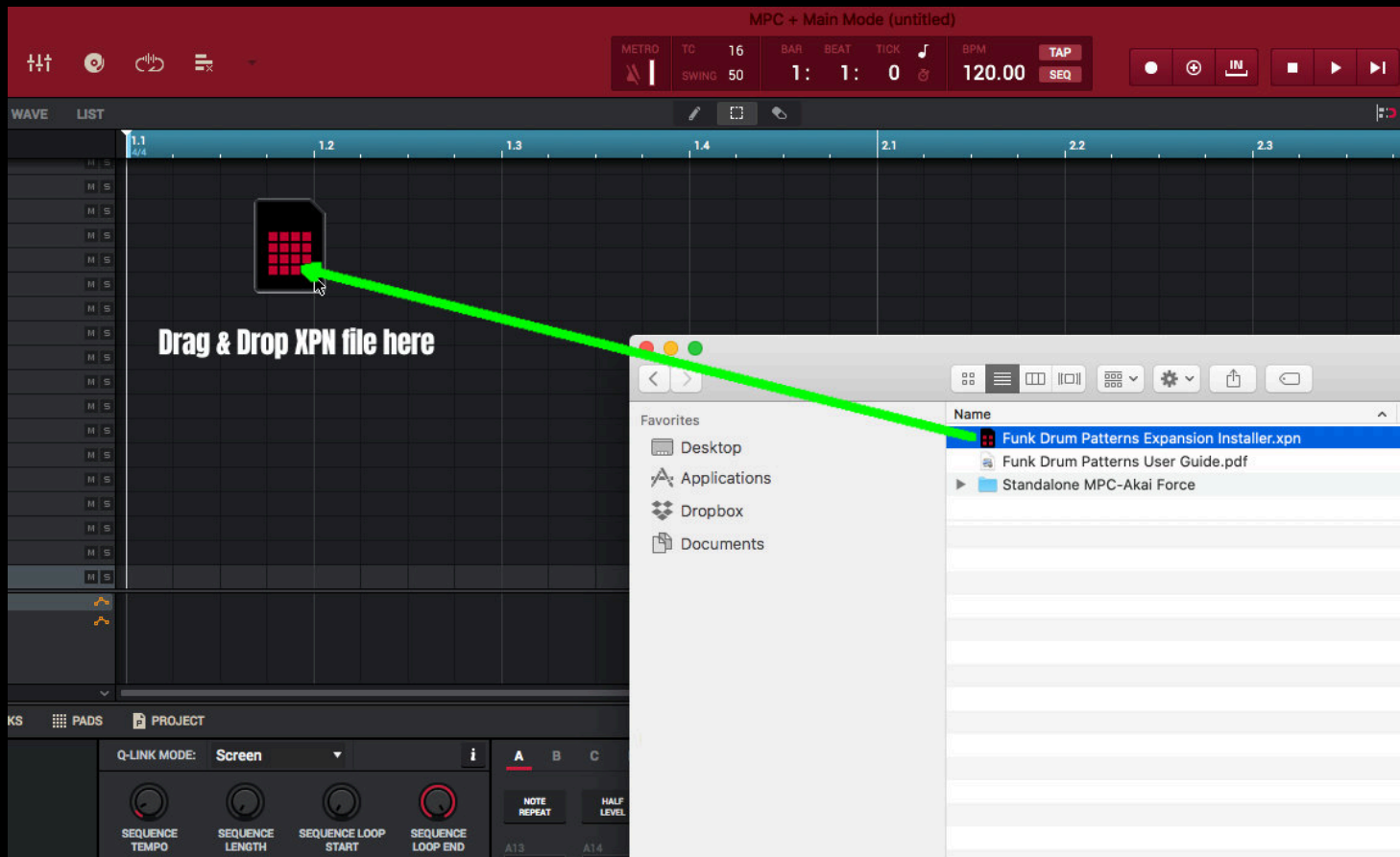
<https://www.mpc-samples.com/product.php/268/mpc-bible/>

Install: MPC Software/MPC Beats App

Note: View the most up-to-date MPC Software expansion install instructions here:

<https://mpc-samples.com/article/install-mpc-software-expansions-guide>

Locate the '**Funk Drum Patterns Installer.XPN**' file and drag & drop it directly into the MPC Software/MPC Beats UI from your computer's File Explorer/Finder:



Please note that an XPN file **cannot** be installed by double clicking from your computer's file explorer.

After dragging the XPN into the software UI you will see the following:



Select '**Import**' and once installed, open the **Expansion Browser** ('X' on your keyboard) and click on the '**Funk Drum Patterns**' thumbnail to view:



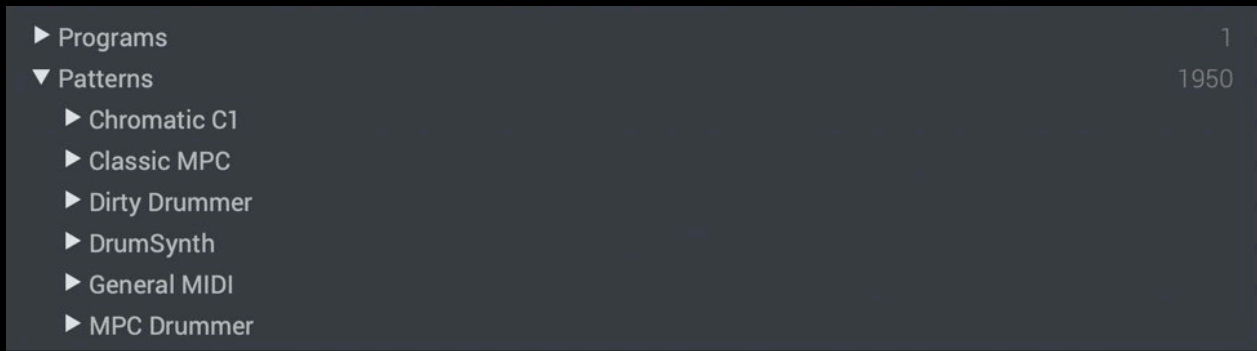
Funk Drum Patterns
Pad Pimps



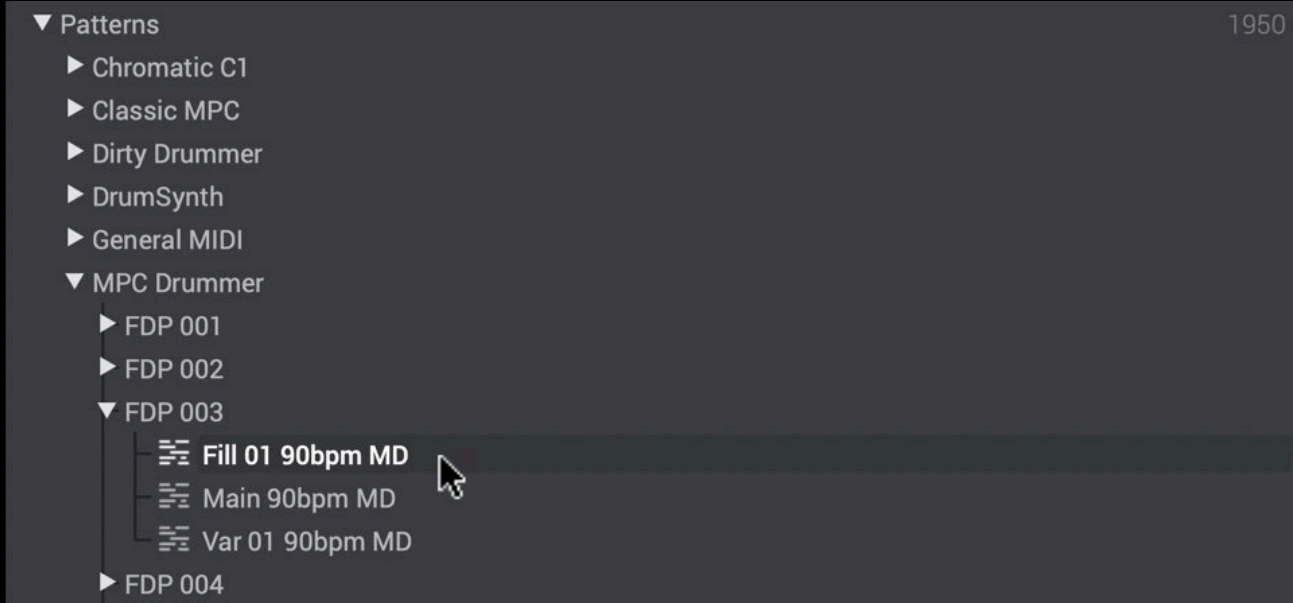
- ▶ Programs
- ▶ Patterns

1
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Expand the **'Patterns'** group to reveal the available mapping groups:

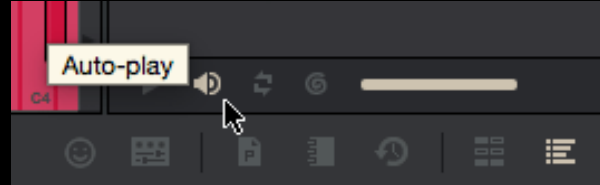


Choose the mapping most suitable for the drum kit you wish to use with your patterns and expand that mapping group (see the **'Pattern Mappings'** chapter for full guidance):



Each core groove is labelled '**Main**', while the variations are labelled '**Var 0x**' and fills '**Fill 0x**'.

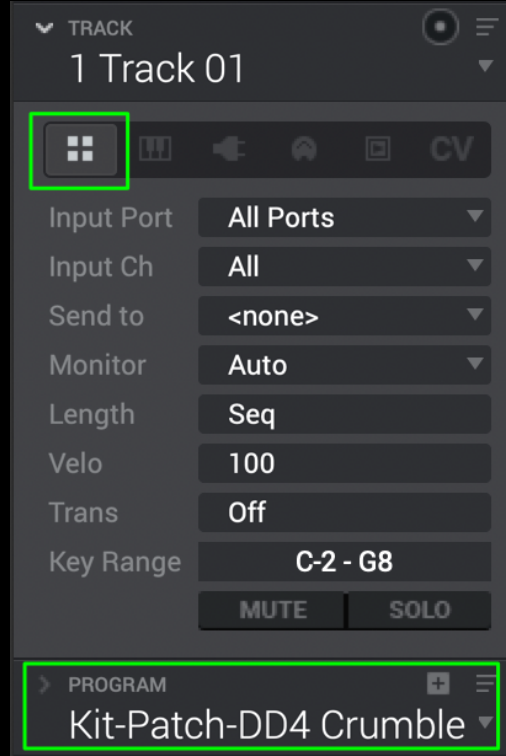
Single click any pattern to hear an audio preview of the groove - this requires 'Autoplay' enabled:



Please note: the pattern's audio preview is pre-recorded and is not a real time preview of the kit currently loaded to your current sequencer track.

Double click or drag a pattern into the grid to load it into your project. The MPC will load it to the **first** 'unused' track in your current sequence.

For pairing with a sample-based drum kit, make sure the track is a '**DRUM**' type track and assign your drum kit to the track:



If assigning a DrumSynth Multi patch, set the track type to **PLUGIN** and configure it to use DrumSynth Multi:

TRACK
1 Track 01

Input Port: All Ports
Input Ch: All
Send to: <none>
Monitor: Auto
Length: Seq
Velo: 100
Trans: Off
Key Range: C-2 - G8
MUTE SOLO

PROGRAM
Plugin 001

Plugin: DrumSynth:Mul
Preset: Tape A

Pattern Mappings

When making MIDI patterns for MPC drum kits it's important that the MIDI events within the patterns trigger the correct drum sample in the assigned drum kit. For example, a kick drum MIDI event in the pattern must trigger the kick drum pad in the assigned kit.

To achieve this we need to know which MIDI notes are assigned to each drum sound in your MPC drum kit. Unfortunately MPC Kits do not use 'standardised' MIDI note assignments, so the kick in one kit might be triggered by MIDI note 36, but in another it might be triggered by MIDI note 40. It just depends on how the kit was originally built.

To ensure a wide range of compatibility with most common MPC kits, all the patterns in this expansion have been provided with a number of different '**mappings**'. Each pattern mapping is tailored to a specific 'known' kit layout, including ones made for ranges of kits from our own site (e.g. Dirty Drummer, MPC Drummer), right through to the most common third party kit layouts (e.g. Akai

factory kits and Drumsynth), as well as mappings to use when working with your own custom drum kits.

Please be aware that while our third party mappings do work well with the stated third party kits we cannot guarantee full 'out of the box' compatibility with any kits other than our own as there are too many variables to allow for.

'MPC Drummer' Mapping

These mappings have been optimised specifically for our 'MPC Drummer' range of multisampled acoustic drum kits (e.g. The 1977 Session Kit, The Downbeat Kit etc):

<https://www.mpc-samples.com/product.php/296/mpc-drummer-acoustic-drum-kit-bundle/>

They assume the following articulations, as used in all MPC Drummer kits



These will work with both the 'cycle' and 'velocity switching' versions of the kits, experiment to see which type sounds best for your needs.

'Dirty Drummer' Mapping

These mappings are optimised specifically for our **Dirty Drummer** series of kits:

<https://www.mpc-samples.com/product.php/309/dirty-drummer-complete/>

They take advantage of the finger drumming layout and unique articulations found in these kits, including snare rolls, ghost notes, closed hat variations, cross sticks and cymbals. They assume the standard Dirty Drummer layout of the following articulations:



These patterns will work 'out of the box' with any Dirty Drummer kit – for the best results make sure you are running the latest versions of these kits (simply re-download from the links in your file bank).

'DrumSynth' Mapping

These mappings have been tested with the free **DrumSynth Multi** factory presets (ideally the 2.11 updated presets that now support mute groups, but they will also work with Drumsynth on older MPC versions).

They will also work with any user/third party Drumsynth preset as long as the kick, snare, closed hat and open hat are assigned on pad A01 to A04 respectively.



'Chromatic C1' (Universal Mapping)

These mappings work well with most modern **Akai Factory kits** (the ones found pre-loaded in more recent MPC hardware releases, i.e. MPC One or newer) and the **Akai Force** factory kits. These also suitable for our other 'Pad Pimps' kits such as **808 Evolution** and **Underground Crates**:

<https://www.mpc-samples.com/product.php/315/the-underground-crates/>

All these kits use an underlying 'chromatic C1' midi note mapping, and require that the kit itself has a kick, snare, closed hat and open hat assigned to pads A01 to A04 respectively:



In our testing the majority of modern Akai factory kits (and most of the kits in their commercial releases) work well with these mappings 'out of the box', while a small minority may need minor tweaking (see later in this guide).

Chromatic C1 mappings are usually the best mappings to use with your own custom drum kits and later in this guide we'll show you how to quickly make your own 'Chromatic C1' kits.

'Classic MPC' Mapping

Older Akai factory kits (e.g. the **Vault** and **Vault 2** from the MPC X, MPC Live, MPC Renaissance etc) , legacy MPC kits, and custom kits made in the MPC before MPC 2.11 will typically use a '**classic mpc**' underlying midi note map, and in these instances you should try using the **classic mpc** patterns.

These mappings assume a kick, snare, closed hat and open hat on pads A01 to A04 respectively, but remember these use different underlying MIDI note assignments compared to Chromatic C1.



'General MIDI' Mapping

The patterns here assume a kit that has been set up to use General MIDI drum mapping, which may often be found on hardware drum machines. The only non-standard drum is the 'Snare Drag' (a short snare roll) which uses the recommended Roland GS mapping note 25.



Pattern Mapping Summary

Kit	Recommended Mapping
Dirty Drummer	Dirty Drummer
1977 Session Kit	MPC Drummer
60s Funk Kit	MPC Drummer
Raw 70s Kit	MPC Drummer
Downbeat Kit	MPC Drummer
Pro Studio Kit	MPC Drummer
Underground Crates	Chromatic C1
808 Evolution	Chromatic C1
DrumSynth Multi	DrumSynth
Modern MPC Factory Kits	Chromatic C1
Akai Force Factory	Chromatic C1
The Vault/Vault 2 Factory Kits	Classic MPC
Legacy MPC Kits	Classic MPC
Other/Custom	Chromatic C1 or Classic MPC
GM hardware	General MIDI

Adapting Third Party Kits

It's very easy to adapt any kit that doesn't initially work 'out of the box'. First make sure your drums are arranged as follows:

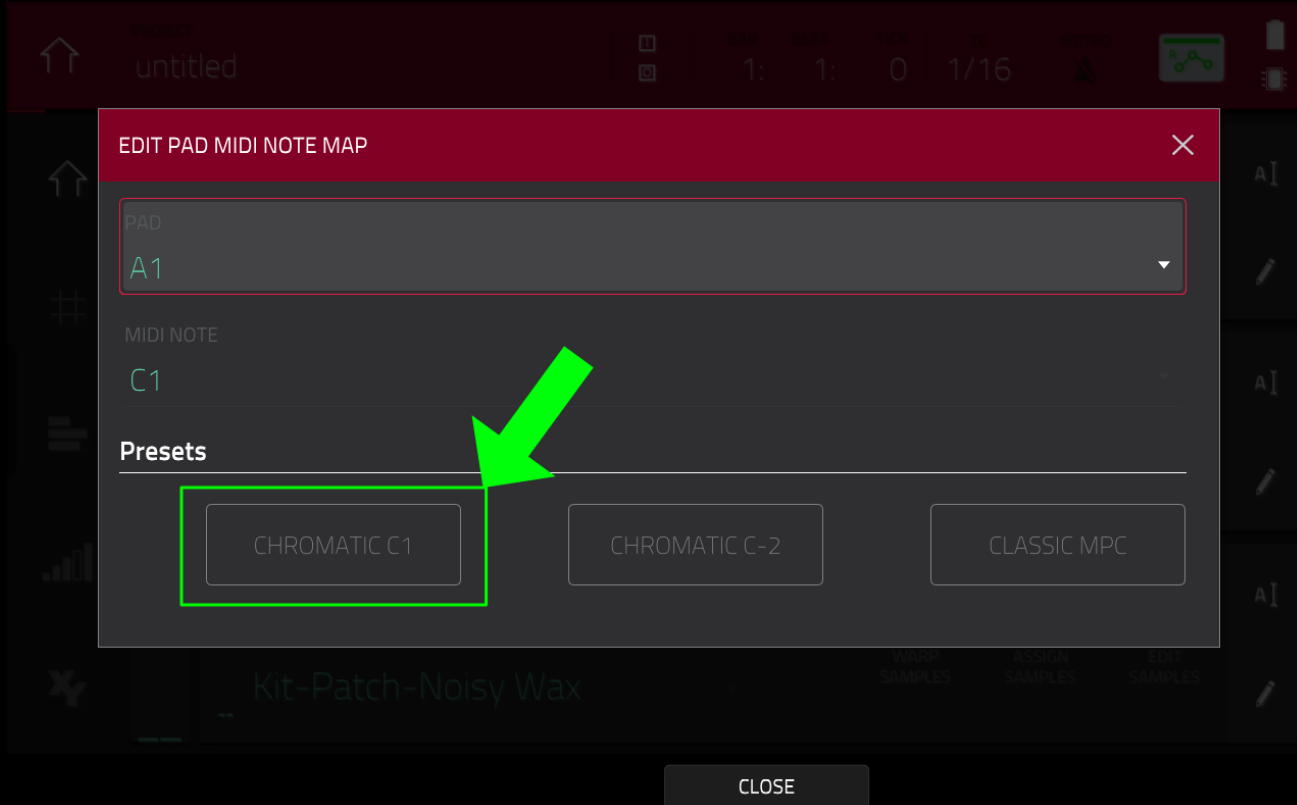


For advice on re-arranging the pads in an existing kit, check out my tutorial here:

<https://mpc-tutor.com/mpc-workflow-rearrange-pads-finger-drumming-kits/>

Now pick a suitable **pattern mapping**. Modern MPC kits and any custom kit originally created in MPC 2.11+ are likely to be using the '**Chromatic C1**' underlying MIDI note mapping, but if you find the Chromatic C1 patterns are not playing the correct drums with your kit, try the '**Classic MPC**' versions instead.

Alternatively, you can quickly 'remap' any kit into the more modern 'Chromatic C1' mapping. With the kit assigned to the current track in **MAIN**, hit the **pencil icon** on the **PROGRAM** row and select '**EDIT PAD NOTE MAP**':



Just hit the **CHROMATIC C1** button and the kit is instantly converted to Chromatic C1 MIDI mapping. Now with kick, snare, closed hat and open hat on A01-A04 respectively, this kit will work great with the patterns in the 'Chromatic C1' folder.

Save the new 'Chromatic C1' version of your kit as part of your project, or re-save it separately, via **'MENU > SAVE > Drum Program'**

Is Your Third Party Kit Missing Drum Articulations?

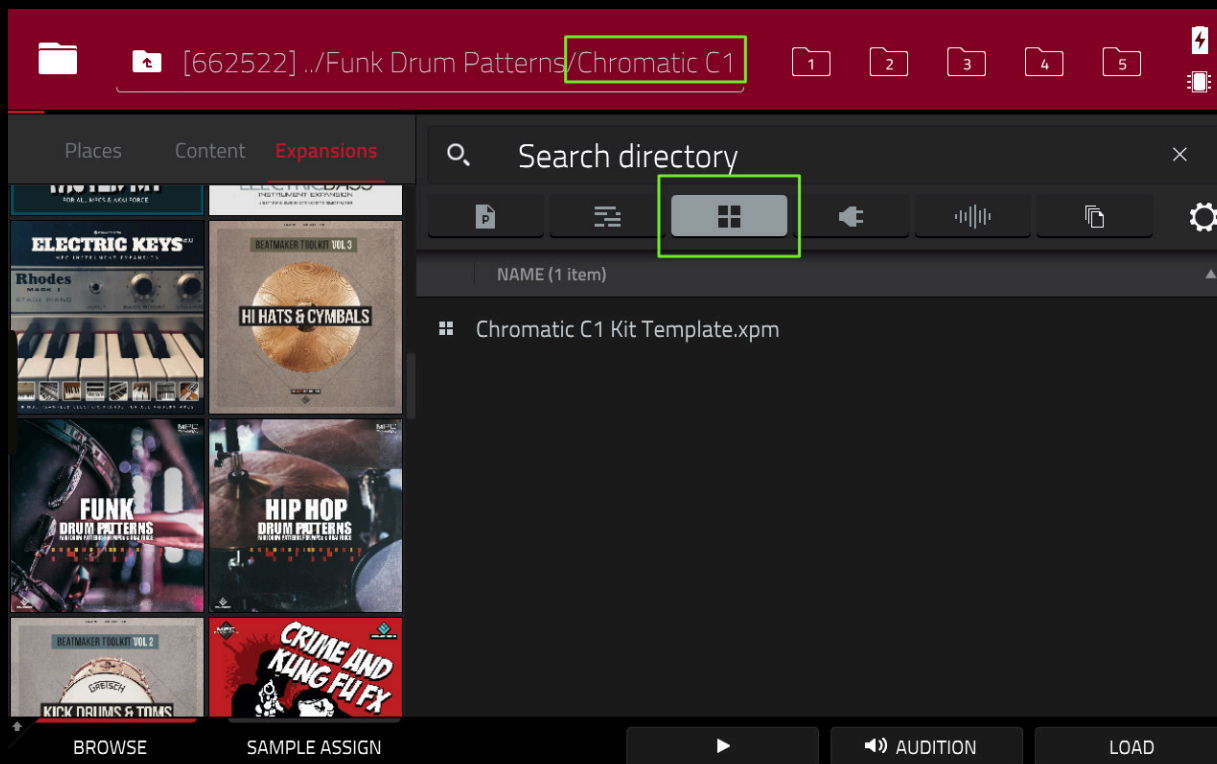
A common problem with third party kits is that simply don't have all the required drum articulations – i.e. kick, snare, closed hat and open hat.

If your kit doesn't have an open hat, you could assign a second closed hat to pad A04 (the pattern will still work fine). This could be a second closed hat variation (if you have one) or just duplicate the hat used on A03 (maybe with a slightly different tuning).

Also remember that you can of course use completely different sounds, for example a clap instead of the snare, shakers or tambourines instead of hi hats and so on.

Creating Your Own Custom Kits

Inside the 'Chromatic C1' folder you'll find a program file called 'Chromatic C1 Kit Template. XPM' – select the 'program' filter to see this more easily.



This is a blank drum program that can be used to build your own custom kits from scratch and this will work perfectly with the patterns that use the 'Chromatic C1' mappings. Please note that this template contains no actual samples.

After loading the blank kit, simply assign your own preferred kick sample to A01, snare to A02, closed hat to A03 and open hat (or second closed hat) to A04. All hat mutings are pre-configured, and pads are coloured for quick identification of drum type (**red** = kick, **blue**=snare, **green** = hats).

Configure your kit parameters and FX, give it a new name and save it, either as part of your current project, or separately via '**MENU > SAVE > Drum Program**'

Tips & Tricks

Tweaking the Mix

Every kit is a little different and has its own unique characteristics and foibles, so after matching a pattern with a kit remember you will probably still need to tweak the 'mix' to suit your exact requirements. You can do this in PROGRAM EDIT or the PAD MIXER. It might just be a case of small adjustments to pad levels and panning, changes to individual pad FX, EQ, or even changing the FX inserted across the entire kit itself.

Exploding Drum Tracks

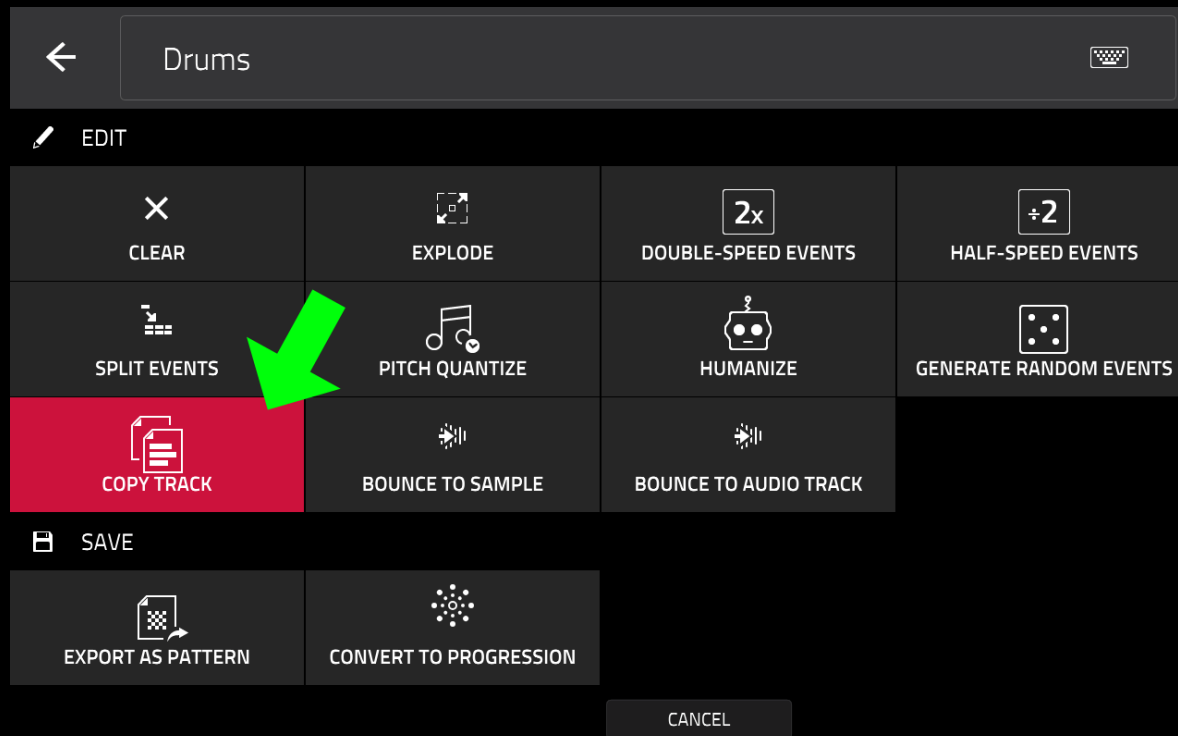
MIDI Drum patterns contain all drum articulations on the same track. If you prefer to have each drum instrument on its own unique track, you can 'explode' the drum track into its individual components (e.g. kick track, snare track, etc)

In the touchscreen, this is achieved via **'MAIN > Track row pencil > EXPLODE'**.
In the MPC Software/MPC Beats, this is found in **'Edit > Track > Explode'**.

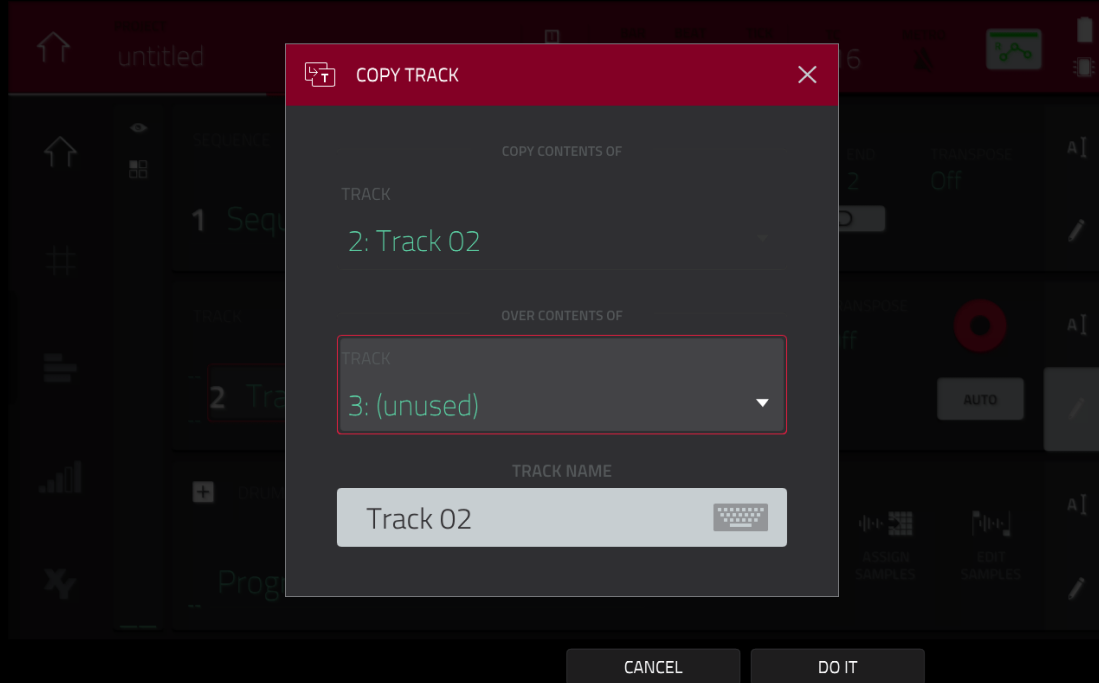
Copying Pattern Data To Other Tracks/Sequences

Remember that the MPC will always load MIDI patterns to the **first** available 'unused' track in the currently selected sequence. So if you have the unused track 3 selected, but track 1 is also unused, the pattern is going to be loaded to track 1, not track 3.

If you wish to move a pattern to a different location any time after loading it, you can use two different methods:

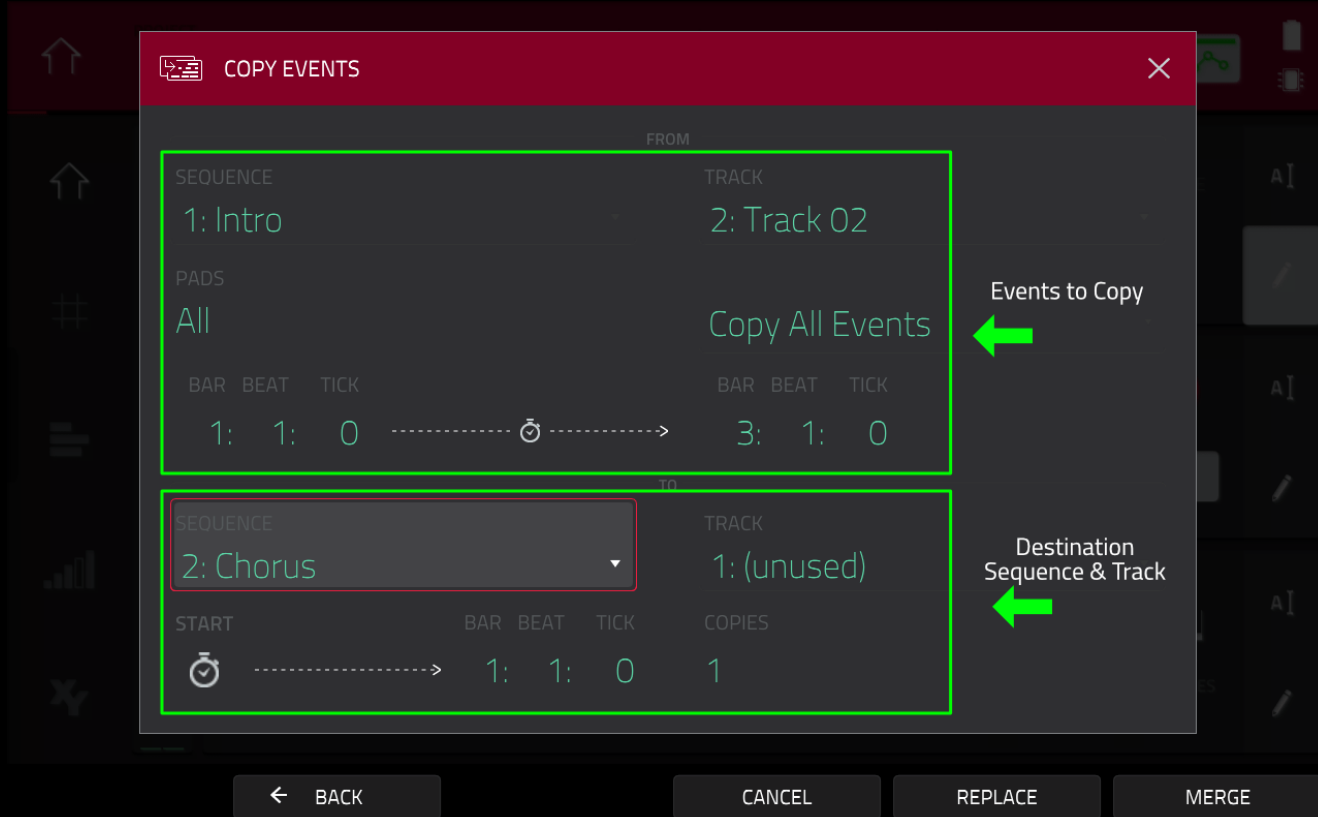


'MAIN > track pencil > COPY TRACK' – use this to copy the entire track over any other track in the current sequence (it will copy everything, including the track name, 'type' and all other configuration data). For example, the following will copy track 2 to track 3:



Remember this method will leave the 'source' track untouched - to delete the source track make sure it's selected, then go to '**MAIN > track pencil > CLEAR TRACK**'.

Another method for moving the events of a track is to use '**MAIN > sequence pencil > COPY > EVENTS**'.



This can be used to copy either a selection, or all the events in a track to any destination track within any sequence in your current project. In the above example we're copying all the events of track 2, sequence 1 ('Intro') to track 1, sequence 2 ('Chorus').

This method only copies events; track configuration itself is not copied over so make sure your destination track is configured with the correct track type and kit.

Further Resources

If you need help learning how to use your MPC, check out MPC-Tutor's range of **MPC tutorial** books and courses at:

<https://www.mpc-samples.com/section.php/8/0/mpc-tutorials-courses/>

'**Funk Drum Patterns**' is part of our growing range of MPC and Force expansions – check out our entire range here, with loads of acoustic keys, pianos, drum kits, bass, synths & much, much more:

<https://www.mpc-samples.com/section.php/78/0/mpc-expansions/>

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