



Arturia PC MAC BeatStep Pro £185

The original version of this MIDI step sequencer was an admirable concept that failed to deliver on its potential. Have lessons been learned?

> Arturia's original BeatStep is a standalone MIDI step sequencer that can be used to trigger both hardware and software. We liked it in our review (7/10, **cm206**) but felt its single monophonic sequencer held back its potential. With the new BeatStep Pro, our concern hasn't just been addressed, it's been built upon beyond all expectations.

BeatStep Pro features three independent step sequencers and a set of general purpose MIDI controllers. Two of the sequencers are monophonic, intended for riffs, basslines and the like, while the third is for sequencing up to 16 channels of drums. All three are programmed with 16 velocity-sensitive pads (with aftertouch), 16 step buttons and 16 rotary knobs.

Step by step

The two monophonic sequencers are functionally identical, and all three sequencers share some common features. The number of steps in each is set independently of the others, to 16, 32, 48 or 64, with manual adjustment of the sequence end point allowing for odd numbers - 15, 31, 47 or 63, for example. Sequences are programmed or recorded in real time using 16 step buttons (an improvement on BeatStep, which could only be step programmed). The system also lets you choose

from a range of scales or, via the accompanying software editor, define your own, consisting of as many or as few notes as you like. There's no pre-quantise, though, so while performances are automatically quantised when you play them back, true live performance is trickier than with, say, Push and Ableton Live.

For post-performance editing, the 16 numbered rotaries correspond to the matching step numbers, and adjust things like the note of each step, Shift (nudging notes slightly off the timing grid), Velocity (effectively step volume) and Gate (the length of the note). Using this simple system, even a total novice can create sequences in minutes - it's great.

The drum sequencer, so sorely lacking from

the original BeatStep, comes next, enabling you to craft whole live performances entirely from the one unit. It can be programmed in the traditional select-drum-and-engage-steps-for-it system, or by recording patterns live using the pads, and it works just like the melodic sequencers, but across 16 channels.

Up to 16 sequences can be stored in memory per sequencer, and the whole lot can be saved into 16 global preset slots. MIDI channels can be individually assigned for each sequencer, but not for individual sequences, which would have been a nice touch, allowing live performers to instantly access other devices/instruments, simply by changing sequence.

One particularly cool feature is the Randomiser, which uses Randomness and Probability controls to fire off random notes, the former determining how far from your programmed notes to stray, the latter defining how often that straying happens. It's a fantastic addition, particularly with a user-defined scale or drum kit, and especially when used in a live setting (see *All a question of performance*).

What a DIN

Perhaps the most obvious targets for BeatStep Pro's sequencers are hardware synths and samplers, but we had just as much fun

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controlling standalone music apps on our laptop. The same goes for plugins in a DAW, of course, and we can imagine many studio producers using it to create sequences on the fly that are subsequently recorded into their DAW for further editing. It can also send and receive MIDI clock, and so can act as either master or slave with almost anything.

With that in mind, there are three main ways to connect BSP. You can use MIDI over USB, 5-pin DIN MIDI (for connection to older MIDI hardware) or CV/Gate with eight CV outputs (for even older hardware). For many, this will seem like overkill, but it’s indicative of the overall attention to detail that Arturia have applied, from the excellent build quality to the exemplary layout. Details like touch-sensitive knobs, displaying their values in the three-character LCD read out, make using BeatStep Pro quick and intuitive and negate the need for a cost-increasing display. And should you wish to undertake more in-depth ‘visual’ programming, there’s always the software editor, offering on-screen adjustment of BeatStep Pro’s hardware controls and sequence information, including piano roll- and matrix-based editing, MIDI CC settings and more.

A 'Step ahead

Other features that we don’t have space to get into fully include backwards/back-and-forth sequence play, MIDI-to-CV conversion, Roland TB-303/TR-909 connectivity, and the ability to define custom MIDI CC ranges for the knobs.

On the down side, the unit could have been made a little larger, for easier access to the Mute and Randomise Current Track buttons. Some kind of MPC-style Note Repeat function would be welcome, too, as (dare we say it?) would the

All a question of performance

Some of BeatStep Pro’s features are aimed squarely at the live performer. The most obvious is the Roller/Looper function, as also seen on Arturia’s SparkLE. This ribbon-style controller offers four quantise levels (1/4, 1/8, 1/16 and 1/32), looping the sequence at its current position at the current quantise length when pressed, with the quantise value switched by sliding a finger left and right. It’s a fun system and can sound great, but it can also take a little getting used to, with faster timings being tricky to play. Though we had some initial problems, with the latest Firmware installed it even locks the sequence to a master bar-based grid (like Flux mode in Traktor), so that when released, it picks up where it would have been playing had the Roller/Looper not been engaged. In particular, this makes it easier to play

alongside other musicians.

Another great performance feature is the ability to punch in a Randomiser function for individual tracks. Using this, you can, for example, throw in randomised edits for drums, whilst muting one or both melodic lines. It’s a highly effective system for nifty live edits, hampered only slightly by the rather small and cramped buttons.

In fact, from a live performance perspective, the overall size of BeatStep Pro is one of the few minor drawbacks. There’s a balance to be struck between features, ergonomics and economics, and while this unit falls within the right range, a little extra size would’ve allowed greater spacing. This isn’t a strictly live performance machine though, so taken as a multi-purpose device, the balance is about right.



BeatStep Pro makes connectivity its primary mission, being able to sequence almost anything

recording and playback of chords.

While we admired the concept of the original BeatStep, its unrealised potential frustrated us. BeatStep Pro transforms a novelty for analogue synth aficionados into an incredibly fun and versatile machine that’s as useful to the studio producer as it is to live performers and hardware geeks. It’s by no means an essential purchase, but if you want an exciting and inspirational new way to play, program and perform music, we wholeheartedly recommend you take it for a spin. **cm**

Web www.arturia.com

Alternatively

Ableton Push
cm191 » 10/10 » £429

Offers Live users access to a similar set of performance features and more

Arturia BeatStep
cm206 » 7/10 » £99

If you’re looking for a standalone monophonic hardware sequencer, this is still your most competitively priced purchase



The accompanying software editor can help you stay in key, locking you to scale

Verdict

For Great studio composition tool
Excellent build quality
Ergonomic layout
Fantastic performance device
Comprehensive connectivity

Against A bit too compact for live use
Still a few obvious features missing

An awesome update to an innovative but so-so sequencer/controller results in one of the year’s most desirable bits of kit!

9/10