Ilya Efimov

Bayan

User`s Manual

ILYA EFIMOV BAYAN

Welcome to Ilya Efimov BAYAN !

The bayan is a musical instrument, with full chromatic scale on the right of the keyboard and basses and chord accompaniment on the left. The bayan is one of the most perfect chromatic accordions in existence today. Known internationally as a "button accordion", the bayan owes its existence to the gifted Russian master Pyotr Sterligov. The instrument became especially famous thanks to the bayan virtuoso Yakov Orlansky-Titarenko, who named it after the legendary Russian storyteller and bard Bajan.

The range of the contemporary bayan is extensive: from E subcontra octave to G4 octave, whilst also having comparatively large dynamic abilities. A multi-timbral version of the bayan is commonly used in concert performances as a solo, ensemble and orchestral instrument. The multi-timbral bayan is available with 4 voices, providing 15 different registers by selecting various combinations of the voices.

We present a sample library of a four-voice Bayan for Kontakt.

FEATURES

- ♪   2 526 samples \ 2,1 Gb (compressed NCW)
- ♪   44.1 kHz \ 24 bit \ Stereo
- ♪   Natural dynamic changes
- ♪   15 registers - right keyboard
- ♪   2 registers - left keyboard
- ♪   Round-Robin X 3
- ♪   Prepared articulations: Staccato, Crescendo, Detache
- ♪   Flexible attack control
- ♪   Multiple attack modes
- ♪   Detune, Key Noise, Bellow, Release, Round Robin
- ♪   Automatic noise control
- ♪   Repetition key
- ♪   Vibrato key

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1. Please go to the download links you received after purchase and download all of the files.

2. Make sure you put all downloaded files into a single folder.

3. Unpack the downloaded files to any folder. Please note that the sample files you downloaded are a multi-part archive, so you do not need to extract every file; you only need to extract the first file that contains 'part1' in its name.
To extract your files we recommend using Winrar for PC users, or UnrarX or Rar-Expander for the Mac. They're all free and you can find them here:

http://www.rarlab.com/ (for PC users)
http://www.unrarx.com/ (for MAC users)
http://download.cnet.com/unRAR/3000-2072_4-26159.html (for PC users)
http://rar-expander.en.softonic.com/mac (for MAC users)

4. You need to have the full retail version of Kontakt 4.2.4 or later to use this library. **The free Kontakt Player does NOT support this library.**

5. Open the Kontakt 4 browser (look on the left-hand side of the Kontakt user interface) and click the "Files" tab. Find the library folder, which you extracted earlier, and double-click on the Ilya_Efimov_Bayan.nki file which should be in that folder. You can use the Quick-Build Database option to allow Kontakt to find and store the location for faster browsing and loading.

You cannot use the "Libraries" tab to "Add Library" for this product. That feature is only available for encoded & locked "Powered-By-Kontakt" libraries.

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Ilya Efimov Bayan library is divided into two independent patches: right and left keyboard.

Voises and Registers

Most modern bayans and accordions are equipped with a special switch-register allowing you to select the 15 different registers.

You can only switch between the registers by using the Graphic User Interface (GUI). However, to switch between voices you may also use keyswitches on the MIDI keyboard :

PICCOLO	CONCERTINA	CLARINET	BASSOON
C1	C#1	D1	D#1

Dynamics

To control sound dynamics use the controller ModWheel CC1. Velocity does not affect the dynamics.

Attack

There are two control modes of sound attack. Attack can be assigned manually or can depend on Velocity.

To switch between the control modes use the **Auto attack** selector located on the right side of the interface.

ON. Auto attack

Sound attack depends on velocity. The lower the value of velocity, the smoother the attack. Attack does not change the dynamics of forte and will always be the fast-est (short). In other words, if the value of the ModWheel become more than 64, the attack will not change.

OFF. Fixed attack

To assign the "fixed attack" time manually:

1) using the knob on the GUI

2) using the midi controller CC21. This way to help you to change attack while playing.

You can use the A0 keyswitch to switch between modes.

ON	velocity < 100
OFF	velocyty > = 100

Repetition key

Repetition key - the key to repeat the last note or last chord. This key is very useful when the detache is active.

To switch it on use KS B0.

Round-Robin

If you want to switch off the Round-Robin algorithm, simply use the correspond-ing button on the GUI. You can also use KS D0.

Detune

To simulate the sound of some types of harmonics (musette, traditional accor-dion) you can detune the right pitch of some of the voices.

Use the switcher on the GUI.

Vibrato

Vibrato on a real bayan is performed by the musician swinging their arm along the keyboard. To simulate this effect use the vibrato key A#0.

To achieve the vibrato effect, repeatedly push the vibrato key when you play the instrument. The amplitude of the vibrato depends on the Velocity of the vi-brato key. The Vibrato key can be used to simulate a smooth entrance to the note. You can also use this key to change the pitch of the note.

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Articulations

You can use most of the techniques without having to switch between articulations . However, you can use the prepared articulations.

To switch on a particular articulation constantly, press the button on the GUI. To activate a particular articulation temporarily, press and hold corresponding. keyswitches.

sustain	F0 (velo)
staccato	G0 (velo)
crescendo	G#0 (velo)
detache	F#0 (velo)

If velocity > 64 ---- ON
if velocity <= 64 ---- OFF

Noises

Key button

Volume of the press keys depends on velocity and values of Midi controller CC1 ModWheel. Also you can control the volume level using Key noise slider on the GUI.

Bellow noise

Volume of bellow noise depends on the values of the ModWheel controller. Also you can change the volume of the bellow by using the corresponding slider on the GUI.

Release

Volume of release depends on the velocity. Also you can change the volume of the release by using the corresponding slider on the GUI. The release will be heard only if the notes are not played legato.

Please note:

Key noise and bellow noise can be heard even when the registers are off.

The left keyboard. Bass & Harmony keyboard

The Bass & Harmony keyboard of a real bayan consists of six rows of 20 buttons each. Parts of the buttons are recessed for the comfort of the bayan player. We mapped these rows of buttons from the real bayan to the different octaves on the keyboard: bass notes and chords: major, minor, dominant seventh and diminished seventh chord.

C2-B2 - Major Chords
C3-B3 - Minor Chords
C4-B4 - 7th Chords
C5-B5 - Diminished Chords

C1-B1 Bass notes	C2-B2 Major Chords	C3-B3 Minor Chords	C4-B4 7th Chords	C5-B5 DimChords

Bass registers

The left keyboard has only 2 possible registers for bass notes: 2 voices and 4 voices. You can switch between them by using the register-button on the GUI, or the KS on the MIDI keyboard.

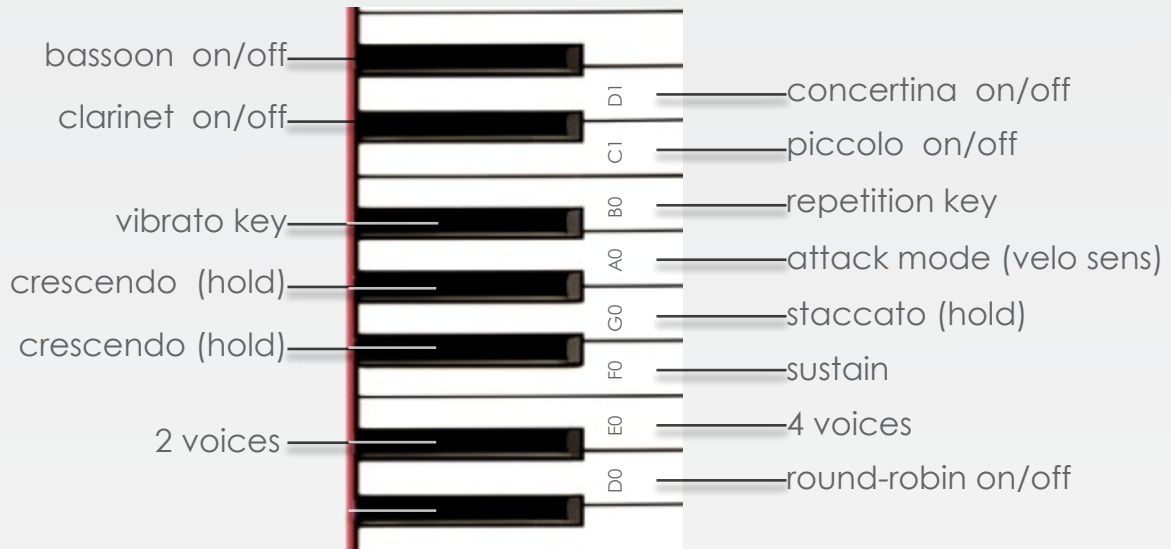| 2 voices \ D#0	4 voices \ E0

Bellow staccato

Articulations on the left side of the keyboard are the same as on the right, but the Staccato articulation has two types: regular staccato and bellow staccato. Bellow staccato is a special bayan staccato type. To use this staccato value of Velocity should be more than 100.

Reverb

You can add reverb to your taste. There is the reverb switcher on the GUI.
Reverberation level is controlled by a slider on the GUI.

Keyswitches

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bassoon on/off
clarinet on/off
vibrato key
crescendo (hold)
crescendo (hold)
2 voices

concertina on/off — D1
piccolo on/off — C1
repetition key — B0
attack mode (velo sens) — A0
staccato (hold) — G0
sustain — F0
4 voices — E0
round-robin on/off — D0

MIDI note	KS	
26	D0	Repetition key
27	D#0	2 voice. Left keyboard only
28	E0	4 voice. Left keyboard only
29	F0	Sustain
30	F#0	Detache
31	G0	Staccato
32	G#0	Crescendo
33	A0	Attack mode. high velo / low velo
34	A#0	Vibrato key
35	B0	Repetition key
36	C1	Piccolo
37	C#1	Concertina
38	D1	Clarinet
39	D#1	Bassoon
MIDI CC		
CC1		Dynamic. Natural expression
CC21		Attack time
CC11		Volume

ILYA EFIMOV BAYAN

Producer by Ilya Efimov

Co-producer by Alexandr Rusanov
Recording & Mixing by Ilya Efimov
Bayan player by Vasily Smekalov
GUI design by Magnus Hörnqvist
Manual by Ilya Efimov, Alexandr Rusanov
Manual edition by Stu Kennedy
Script by Ilya Efimov