



Augmented Piano

Soundbank Manual

Software Version 1.0
EN 180310

Augmented Piano



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Augmented Piano



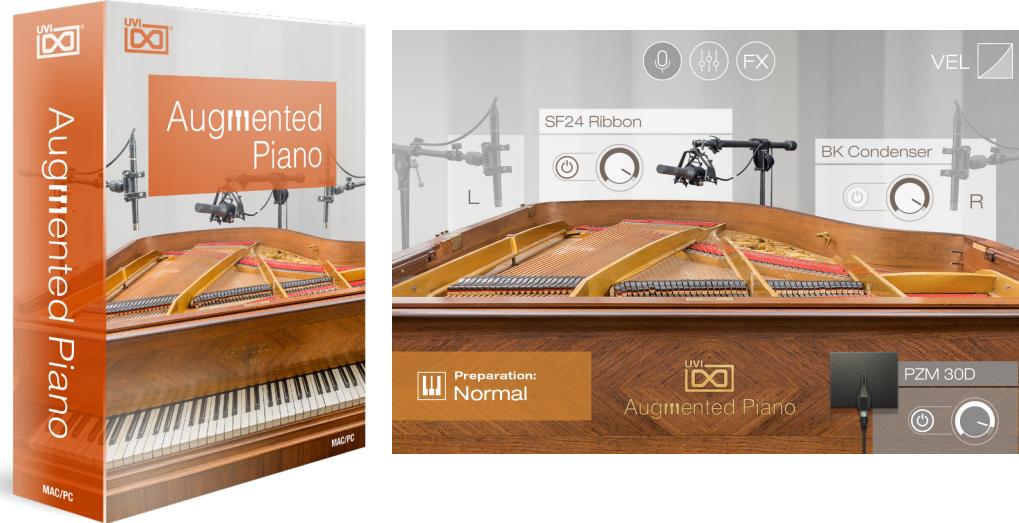
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Augmented Piano



Introduction



Augmented Piano is a piano workshop including 24 configurations recorded on a beautiful 1909 Pleyel grand piano. Ever wondered what a piano would sound like played with a bow, guitar pick or plucked with your fingers? What if you could layer those sounds together with differing attack and decay times? Now you can.

APPROACH

With Augmented Piano we wanted to go beyond traditional prepared piano sounds and offer something both new and inspiring, providing a way for musicians to easily craft and explore new tones and expressive possibilities with an instrument they already know and love.

From sustained to percussive, conventional to uncharted, Augmented Piano is a deep-dive into the sound design rabbit hole with a 1909 Pleyel Grand. The result is an incredible selection of 24 preparations, immaculately captured with 3 microphone sets; a stereo Royer ribbon mic, a stereo-pair of BK condensers, and a mono PZM (pressure zone microphone).

Per source, each note was recorded with multiple velocities and round-robin for both the sustain and release sections of the sound. A staggering over 23,000 samples were recorded and edited in all, giving Augmented Piano a truly detailed, expressive and natural sound.

INSTRUMENT

Augmented Piano includes 24 preparations:

Bow, Caps, Coin, Brush Slide, Brush Tap, eBow, Finger Muted, Finger, Harmonics, Key Noise, Metal Foil, Metal Sticks, Muted, Normal, Pick, Pick Mute, Rubber, Screws, Structural effects, Tack, Tacked Muted, Una Corda, Wallet, Wood Stick and mixed preparations

Preparations in Augmented Piano can be used in numerous ways. As dedicated instruments they each have a unique character, from the soft accents of the Brush Slide to the bell-like tones of the Tack, metallic rasps from the Screws to the infinite sustain of the eBow. Thanks to the easy-to-use multi system in UVI Workstation and Falcon preparations can be loaded as layers to create rich hybrid sounds that would be impossible in the physical realm, for example you could use the attack of a Metal Stick with the sustained Bow sound, or combine the Brush Tap with the muted Finger pluck and add a slight chorus, delay and reverb for an ethereal sound.

Each of the mic signals in Augmented Piano is presented discretely along with release volume, sympathetic resonance volume and pedal volume, providing absolute control over the instrument sound. The Edit page provides more creative controls typically found on synthesizers including an ADSR envelope, multi-mode filter, pitch envelope, tone and portamento. Meanwhile the effects page provides all the essentials, including customizable IR, Drive, EQ, Thorus, Phaser, Delay and Sparkverb allowing for easy placement in the mix or the creation of more unconventional sounds.

A deep instrument, rewarding for both those looking for ready-to-play presets and the experimental-minded sonic explorers out there, Augmented Piano is a versatile and beautiful sounding instrument offering limitless sonic potential.

Minimum System Requirements

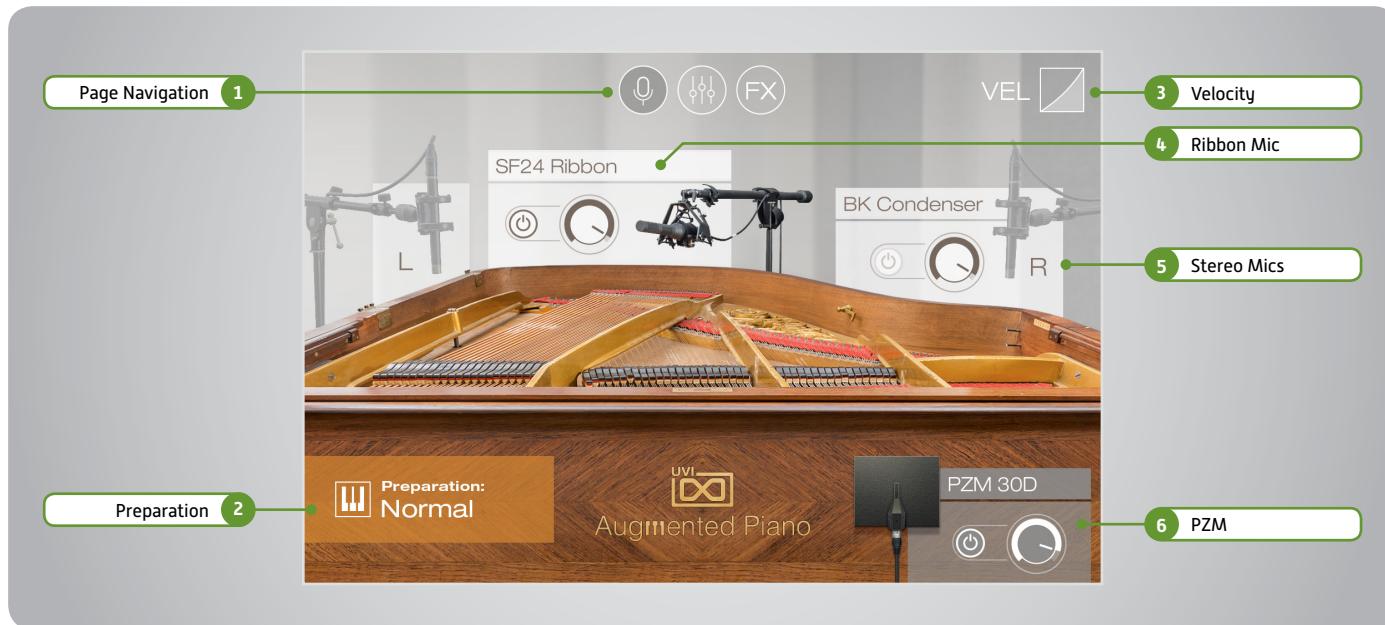
- UVI Workstation 2.6.15+ or Falcon 14.1+
- 14.1 GB of disk space

For more information on the installation process, please refer to the document: Soundbank Installation Guide

Augmented Piano



MAIN Page



1 ▶ Page Navigation

Navigate between 3 pages of controls:
Main, Edit and Effects

2 ▶ Preparation

Displays the preparation of the preset

3 ▶ Velocity

Adjust the MIDI velocity curve that
affects the note's volume and timbre

Click and drag to set the curve, or double
click to set the curve numerically
[0 = linear]

4 ▶ Ribbon Mic

Stereo ribbon microphone signal

» ON/OFF

Power mic on/off

» Volume

Adjust the level of the mic

5 ▶ Stereo Condenser Mics

Stereo paired condenser microphone
signal

» ON/OFF

Power mics on/off

» Volume

Adjust the level of the mics

6 ▶ PZM

Monaural PZM (pressure zone
microphone) signal

» ON/OFF

Power mic on/off

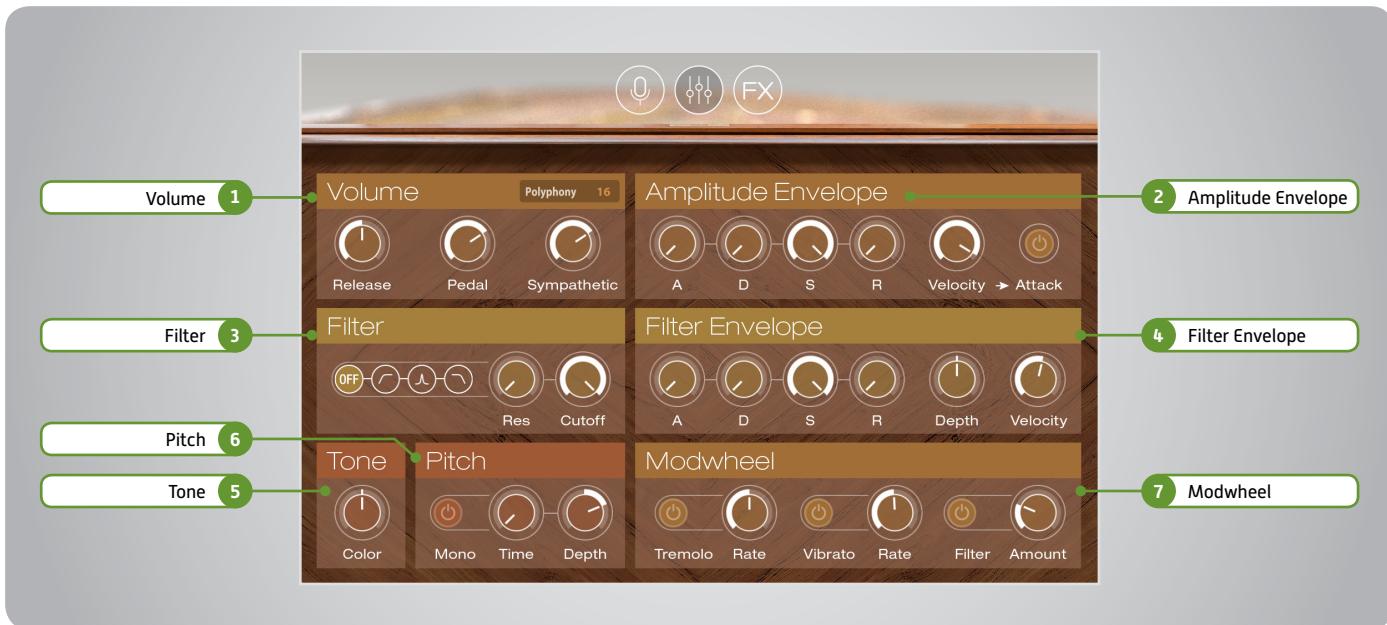
» Volume

Adjust the level of the mic

Augmented Piano



EDIT Page



1 ▶ Volume

» Polyphony

Sets the number of voices per layer

» Release

Adjust volume of key release sound

» Pedal

Adjust volume of pedal action sound

» Sympathetic

Adjust volume of sympathetic resonance sound

Note: For users wishing to use less CPU, setting the release and sympathetic volumes to zero will free up the voices

2 ▶ Amplitude Envelope

» ADSR

Typical Attack/Decay/Sustain/Release envelope control for amplitude

» Velocity

Adjust the amp velocity sensitivity

» Vel > Atk

Remaps Attack to Note Velocity

3 ▶ Filter

» Mode

Multimode filter can be set to low-pass [LP], band-pass [BP], or high-pass [HP]

» Resonance

Filter resonance amount

» Cutoff

Filter cutoff frequency

4 ▶ Filter Envelope

» ADSR

Typical Attack/Decay/Sustain/Release envelope control for filter

» Depth

Adjust the amount that the envelope modulates the filter

» Velocity

Remaps Filter Cutoff to Note Velocity

5 ▶ Tone

Changes tonal-color based on the adjacent samples

6 ▶ Pitch

» Mono

Switch between mono and poly modes

» Time

Sets the glide time

» Depth

Sets the depth in semitones of pitch envelope when in poly mode

7 ▶ Modwheel

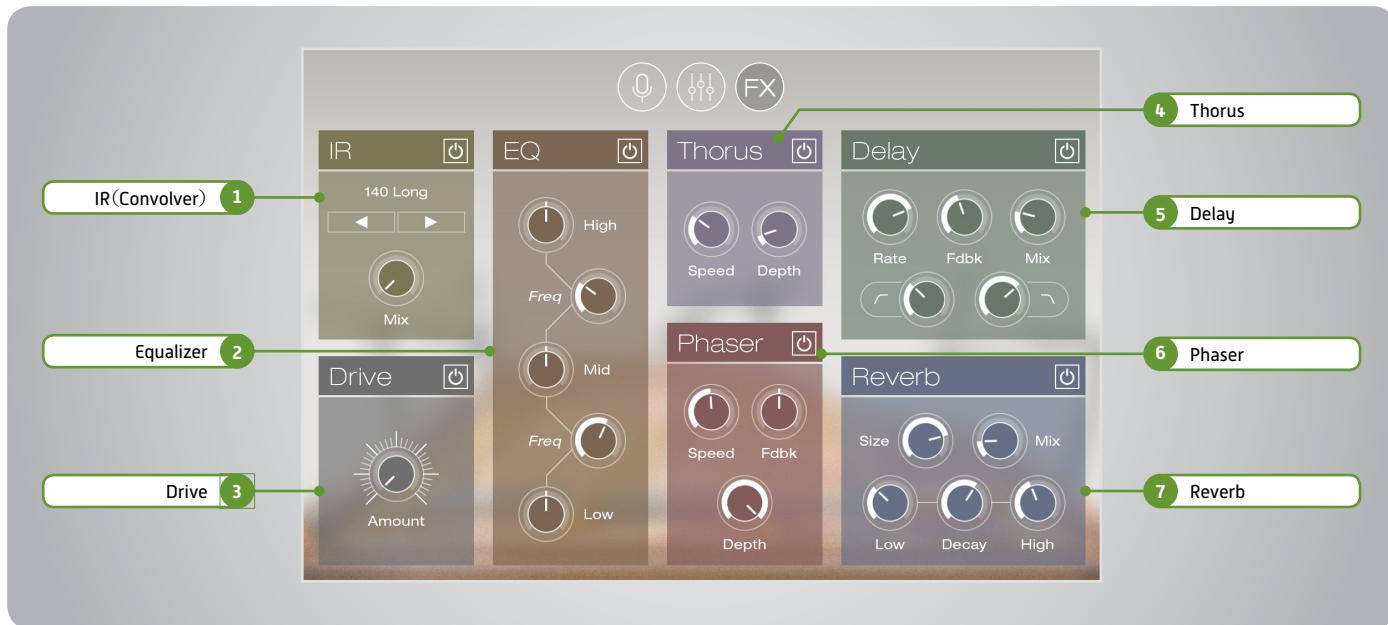
» Power/Amount

Easily route your controllers Modwheel to control common parameters such as Vibrato, Tremolo and Filter Depth

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EFFECTS Page



1 ► IR(Convolver)

» On/Off

» IR

Select an impulse response for the cabinet

» Mix

Adjust the reverb mix amount

2 ► Equalizer

» On/Off

» High

Adjust level of high frequency range

» Crossover Freq - Mid/High

Adjust high and mid band separation frequency

» Mid

Adjust level of middle frequency range

» Low

Adjust level of low frequency range

» Crossover Freq - Low/Mid

Adjust low and mid band separation frequency

3 ► Drive

» On/Off

» Amount

Adjust the amount of drive

4 ► Thorus [Chorus]

» On/Off

» Speed

Adjust the chorus modulation speed

» Depth

Adjust the modulation depth

5 ► Delay

» On/Off

» Rate

Adjust delay time (short to long)

» Feedback

Adjust feedback amount

» Mix

Adjust dry/wet mix amount

» LP

Adjust high frequency roll off of the delay effect

» HP

Adjust low frequency damping of the delay effect

6 ► Phaser

» On/Off

» Speed

Adjust the phaser speed

» Feedback

Adjust the feedback amount

» Depth

Adjust the effect depth

7 ► Reverb

» On/Off

» Size

Adjust the size of the reverb space

» Mix

Adjust dry/wet mix amount

» Decay

Adjust the decay time of the reverb

» Low Decay

Adjust the low decay multiplier

» High Decay

Adjust the high decay multiplier

Augmented Piano



Preparations

 Preparation: Normal	No augmentation Sound: a standard piano sound
 Preparation: Una Corda	Normal piano sound with the Una Corda pedal pressed Sound: a slightly softer, normal piano sound
 Preparation: Tack	Hammers have been augmented with a metal push-tack Sound: adds a bell-like quality
 Preparation: Pick	Strings are played with a guitar pick Sound: a more aggressive attack with moderate sustain
 Preparation: Wood Stick	The strings are struck directly with a wooden stick Sound: a more aggressive attack with short sustain, similar to a dulcimer
 Preparation: Metal Stick	The strings are struck directly with a metal stick Sound: similar to Wood Stick but with a more metallic attack
 Preparation: Brush Slide	A drum brush is slid across the string Sound: produces a scrubbing timbre
 Preparation: Brush Tap	A drum brush is tapped against the string Sound: creates a sizzle during the attack
 Preparation: Bow	Strings are played with a horsehair violin bow Sound: continuous sound with audible direction changes of the bow
 Preparation: eBow	Strings are played with an eBow Sound: continuous sound with a masked attack, a delicate and subtle timbre

Augmented Piano



Preparations



Preparation: Finger Mute

Strings are muted with the palm and played with the finger
Sound: a soft attack with a dampened sustain phase



Preparation: Harmonics

A finger is placed over the center of the string to create harmonic overtones when struck
Sound: a bright sound perfect for accents or solos



Preparation: Muted

Strings are muted with the palm and played with the keys
Sound: a soft attack with a dampened sustain phase



Preparation: Muted Pick

Strings are muted with the palm and played with a guitar pick
Sound: a strong attack with a dampened sustain phase



Preparation: Muted Tack

Strings are muted with the palm and played with tacked hammers
Sound: a sharp and metallic attack with a dampened sustain phase



Preparation: Finger

Strings are plucked with the finger like a harp
Sound: a dampened attack with a vibrant sustain phase



Preparation: Coin

A large coin is placed on the strings
Sound: adds a metallic sizzle to the sound



Preparation: Rubber

A rubber eraser is placed on the strings
Sound: creates a dampened sound with deep bass



Preparation: Screws

A screw is placed between the strings
Sound: creates inharmonic overtones at lower velocities and percussive sounds at higher ones



Preparation: Wallet

A wallet is placed on the strings
Sound: a dampened attack and sustain

Augmented Piano



Preparations



Preparation: Caps

A plastic bottle cap is placed on the string

Sound: creates a fast crushing sound from the vibration of the strings against the plastic



Preparation: Key Noise

Piano keys are played without strings

Sound: the pure sound of the key action



Preparation: Metal Foil

Aluminum foil is folded and placed between the strings

Sound: a long and metallic timbre



Structural: Misc

A mix of various preparations including brush, pick, finger, wood stick, metal stick and structural

Colors: relate to the differing structural sounds

- C-1 ~ C#-1 : Fallboard sound
- D-1 ~ A#-1 : Percussion
- C0 ~ D2 : Brush effects
- E2 ~ E3 : Pick effects
- F#3 ~ G4 : Finger effects
- A4 ~ G5 : Wood Stick effects
- A5 ~ F#6 : Metal Stick effects



Preparation: Mixed

A mix of percussion and slides on different parts of the piano with different objects

including brush, pick, finger, wood stick and metal stick

Knobs: adjust the level of the presets sounds

1

2

Augmented Piano



Preset List

01-Normal

_Default Normal
_Default Una Corda
Beauty Pleyel
Grand Ribbon
Mellow TV Show
Piano Noir
Radio Corda PZM
Ribbon Bright Attack
Una Corda Sawtay
Uprightish PZMono

05-Metal Stick

_Default Metal Stick
Beauty and Metal
Expressive
Grand Metal
Metal Harpsychord
Seventies Piano
Space Clavinet
Theater Place
Yannistick

07-Bows

_Default Bow
_Default eBow
Cello de Fortune
Gobowmono
Mellotron Spirit
Pad Archet
Pleyel Bells
Pleyel Caroussel
Radio Wurly
Slow Sweep Bow

09-Finger

_Default Finger
Baroque Harp
Deep Harp
Gentle Guitar 1
Gentle Guitar 2
Glass Finger
Hybrid Harpsy
Keyboard Phase
Tiny Guitar
Wes Acoustic

11-FX and more

Caps
Key Noise
Metal Foil
Structural FX
XFX Caps
XFX Key Noise
XFX Metal Foil
XFX Structural FX

02-Tack

_Default Tack
Dream Tack Harp
Dream Tack Piano
Guitack Spirit
New Age Tacked
Tack Phase Mono
Tack Ribbon
Tackpsichord

06-Brushes

_Default Brush Slide
_Default Brush Tap A
_Default Brush Tap B
_Default Brush Tap Bright
_Default Brush Tap Dark
Beauty Expressive A
Beauty Expressive B
Brush Stack Bright
Brush Stack Dark
Majesty

08-Muted

_Default Finger Mute
_Default Normal Harmonics
_Default Normal Mute
_Default Pick Mute
_Default Tack Mute
Finger Pizzicato
Harmonics Pluck
Mute Phase
Pick Mutation
Pizza Rmonics
Pizzicatack
Pop Corn Acoustic
Pure Tack Mute
Radio World
Space Funk Clav
Tack Mutan

10-Objects

_Default Coin
_Default Rubber
_Default Screws All
_Default Screws Harmonic
_Default Screws
Inharmonic
_Default Wallet
Beauty Coin
Beauty Screws
Harp Bellish Screws 1
Harp Bellish Screws 2
Industrial Piano 1
Industrial Piano 2
Nylon Like
Phase Wallet
Pizzaugmented
Radio Caraibes
Rubber Fonk
Screws Banjo
Screws Bells
Screws Piano 1
Screws Piano 2
Steel Dream 1
Steel Dream 2
Toy Coin Piano
Wallet Little Koto
Warm Pad Screws

12-Mixed

Brush Tap A + Mtl Foil
Brush Tap Dark + Bow
Finger + Bow
Finger + Mtl Foil
Metal Stick + Caps
Metal Stick + eBow
Metal Stick + Mtl Foil
Normal + Mtl Foil
Normal Harmcs + Caps
Pick + Mtl Foil
Pick Mute + Bow
Screws Harmcs + Bow
Screws Harmcs + Caps
Screws Harmcs + Mtl Foil
Screws Inharm + Caps
Screws Inharm + eBow
Screws Inharm + Mtl Foil
Tack + eBow
Tack + Mtl Foil
Tack Mute + eBow
Una Corda + Bow
Una Corda + Caps
Una Corda + Mtl Foil
Wood Stick + Bow
Wood Stick + Mtl Foil

03-Pick

_Default Pick
Dream Pick Harp
Dream Pick Piano
Jazz Chill Out
Phase Dirt Pick
Pick Ominous
Picklavinet Phase
Radio Toy Piano

04-Wood Stick

_Default Wood Stick
Dream Wood Harp
Dream Wood Piano
Guitarish Beauty
Reggae Phase Clav
Soft Loft
Space Hybrid Stick
Weird Banjo
Wood Cymbalum
Wood Harpsichord

Augmented Piano



Links

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Augmented Piano

Credits and Thanks

Produced by UVI

Recording / Editing / Sound Design

Alain J Etchart
Kevin Guilhaumou
Floriane Palmkrantz
Damien Vallet

Software + Scripting

Rémy Muller
Olivier Tristan

GUI + Design

Nathaniel Reeves

Documents

Garrett DeMartinis
Nathaniel Reeves
Kai Tomita

