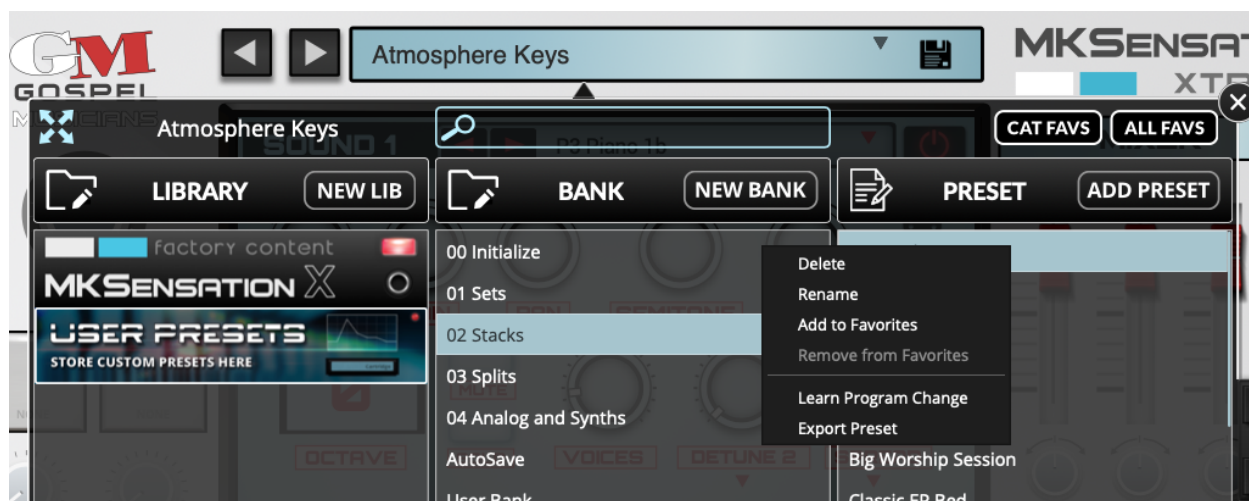


MKSensation Xtreme User Manual

Introduction

MKSensation Xtreme is a VST/AU/AAX/Standalone plugin that represents the highest quality in the classic MKS-20 sounds along with classic “bread-and-butter” sounds in which to layer with.

Preset Menu



The preset menu is located at the top of the interface so it's easily accessible. The actual LCD displays the name of the current preset. The Left/Right arrows allow you to scroll through presets and the Save icon allows you to save your own presets. Below we will outline the functions of the menus and their explanations.

Presets are stored in the following locations:

- OSX: /Users/<username>/Music/Gospel Musicians/Pure Synth Platinum/Presets/
- Windows: C:\Users\Username\Documents\Gospel Musicians\Pure Synth Platinum\Presets\
 - You can access presets from the files location and rename from there as well
 - Important Note that each preset needs a Library/Bank/ hierarchy, i.e. you cannot put presets in the Bank area.

Preset UI Controls

- The library section is where the libraries are stored. There will be a factory banner and a banner where User presets are stored. Factory presets cannot be deleted or changed, but can be edited and resaved.
- The Folder icon, when, clicked, allows you to edit the Bank or User Libraries.
 - Delete by clicking the Red circle icon
 - Rename by Double+Clicking
- NEW LIB/NEW BANK buttons allow you to create a new user library or a new bank
- Add Preset Button allows you to Add a new preset
- Paper and Pen icon allows you to rename or delete a preset
- Right+Click Options
 - Delete - Delete preset
 - Rename - Rename preset
 - Add to Favorites - Mark it as favorites
 - Remove from Favorites - Remove from favorites

- Learn Program Change - Learn program change
- Export Preset - Allows you to export
- CAT FAVS Button - Toggles the ability only show the Category Favorite presets.
- ALL FAVS Button - Toggles the ability only show all Favorite presets.

Master Volume and Quick Control

- **Master Volume** - Controls the global volume of the plugin
- **Quick Controls** - Allows you to mirror any knob, button, or slider to the main screen for quick access. Simply Right+Click on any control and Map to Quick Controls. The Controls will blink signaling for you to click on a quick control button and the parameter will be mapped. Now you will be able to control the parameter from the main screen.

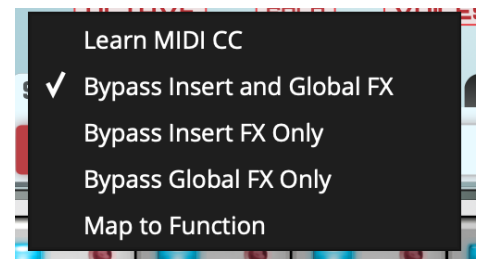


Sound Buttons



The Sound buttons allow you easy access to the state of the actual sound:

- The number is associated with the sound numbers from 1....8
- The Red LED is the Mute
- The Green LED is the Solo
- If both Mute and Solo are on, the Solo takes precedence for easy auditioning of individual sounds
- The blue LED, when off bypasses the effects. You can Right+Click on the Blue LED for Bypass options.
- Pressing the Grey area (non LED areas) of the button turns off the button, i.e. no sound or samples are loaded
- The sound name is displayed on the button



Function Buttons



The Function buttons allow you to switch programming modes of the plugin:

- LIVE SET - Displays the Live Set mode on the plugin
- EDIT - Displays the Editing and synthesis parameters of a sound
- EFFECTS - Pulls up the effects rack
- SPLIT - A quick way to split sounds
- SETTINGS - Opens the Settings menu
- KEYBOARD - Toggles on and off the virtual keyboard

Live Set



Live Set is a way for you to load up a live concert set and switch between presets easily. you are able to change the color of the slot, learn through MIDI Program Changes, and disable the slot. This is also where the global Transpose, Octave, and Velocity curve are located. Finally, you are able to globally mute the entire plugin if need be. Push the button to activate the new preset.

EDIT MODE - BUTTON GRID



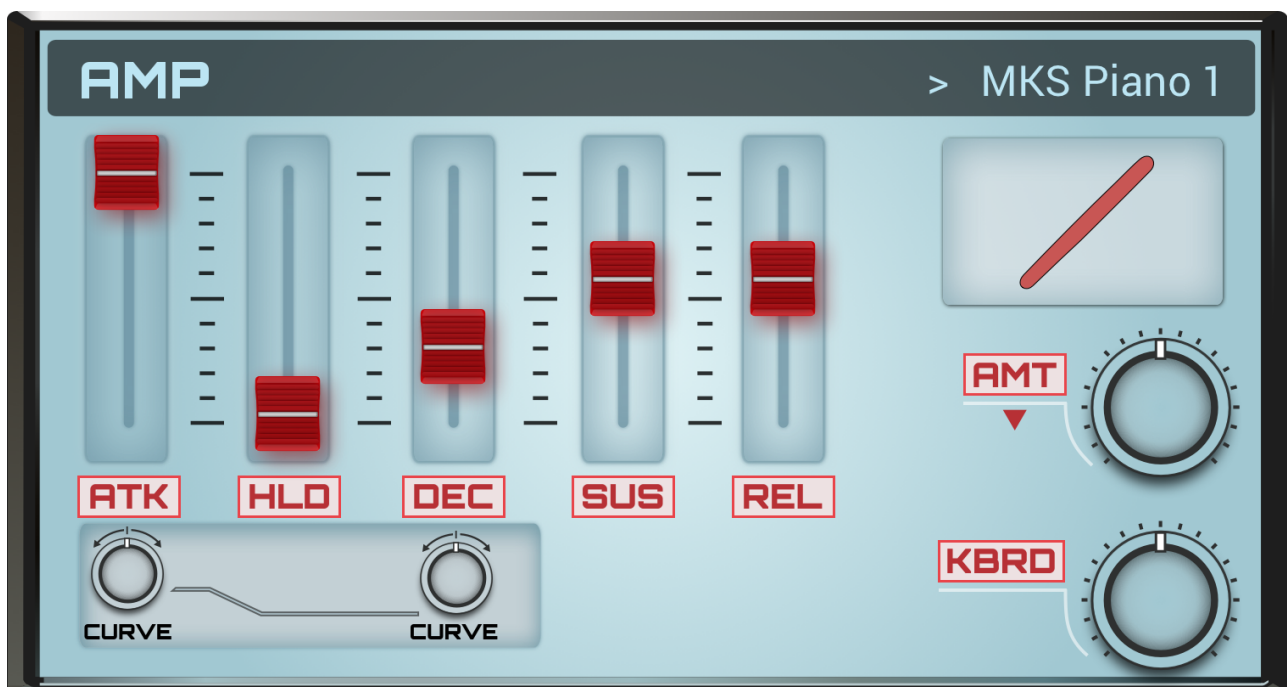
When in EDIT mode (EDIT BUTTON), the LCD screen displays the synthesis parameters to edit per sound. The selection functions like a grid. For example, say you would like to edit the Filter for sound 7. Then you would select the number 7 button and then the FILT Tab.

SOUND



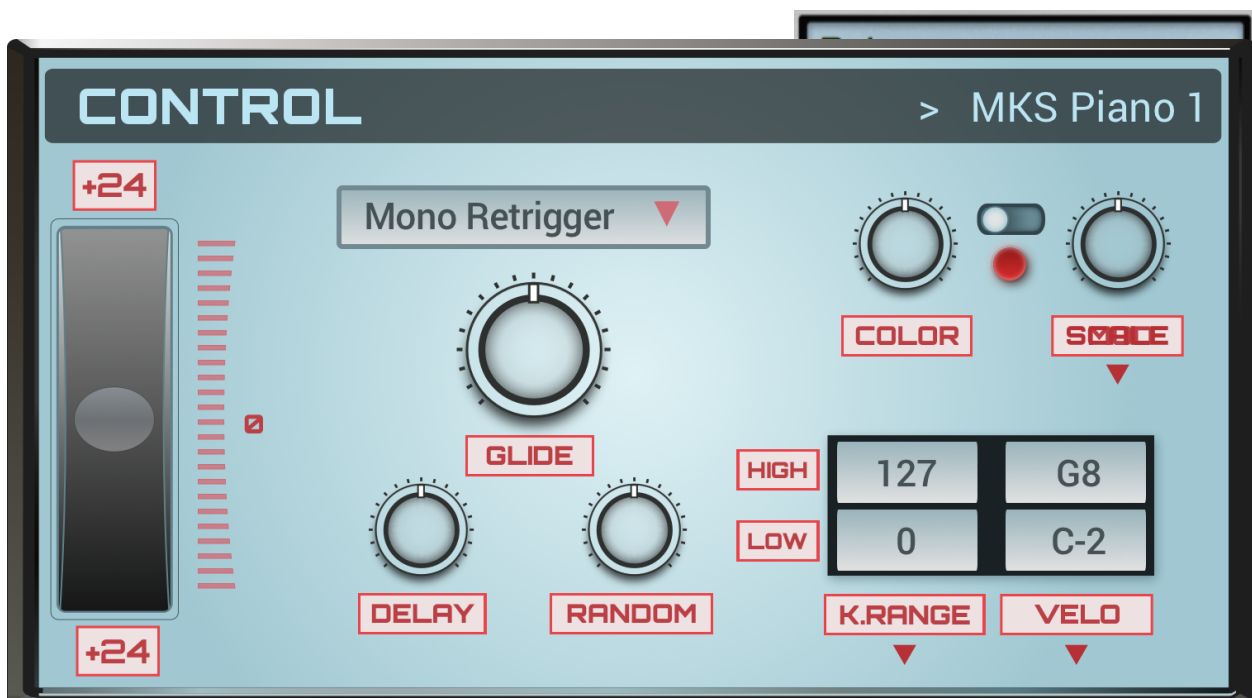
- On/Off Power - Turn on and off the oscillator's sound as per the oscillator number
- Oscillator LCD - Select the oscillator's sound
- Oscillator Arrows - Scroll through oscillator sounds
- Volume - Control the volume of the oscillator
- Gain - Control the gain of the oscillator
- Pan - Control the pan of the oscillator
- Semitone - Control the pitch of the oscillator
- Cents - control the fine tuning, which is equivalent to the detune
- Voices - Add the number of voices for unison detuning
- Detune 1/2 - Select the text to toggle between detune modes
 - ➔ Mode 1 is classic detuning, while mode 2 is JP Supersaw-IIlike
- Spread/Blend - Select the text to toggle between spread and blend modes
 - ➔ Spread creates a stereo widener
 - ➔ Blend will bend between regular detuning and the JP-like

AMP



- Envelope Sliders - Control the AMP envelope amounts (Attack, Hold, Decay, Sustain, Release).
- ATK Curve - Control the attack curve from linear (all the way right) to slightly concave.
- Decay Curve - Control the decay curve from linear to logarithmic
- Velocity Curve - Move the curve graphic to control the velocity curve
- AMT - This controls the volume amount as per the velocity of the incoming midi notes.
 - Dropdown curves control the Volume amount curves.
- KBRD - Controls the amount of decay as per the notes. The higher notes will decay faster as to mimic the natural decay of a piano sound.

CONTROL



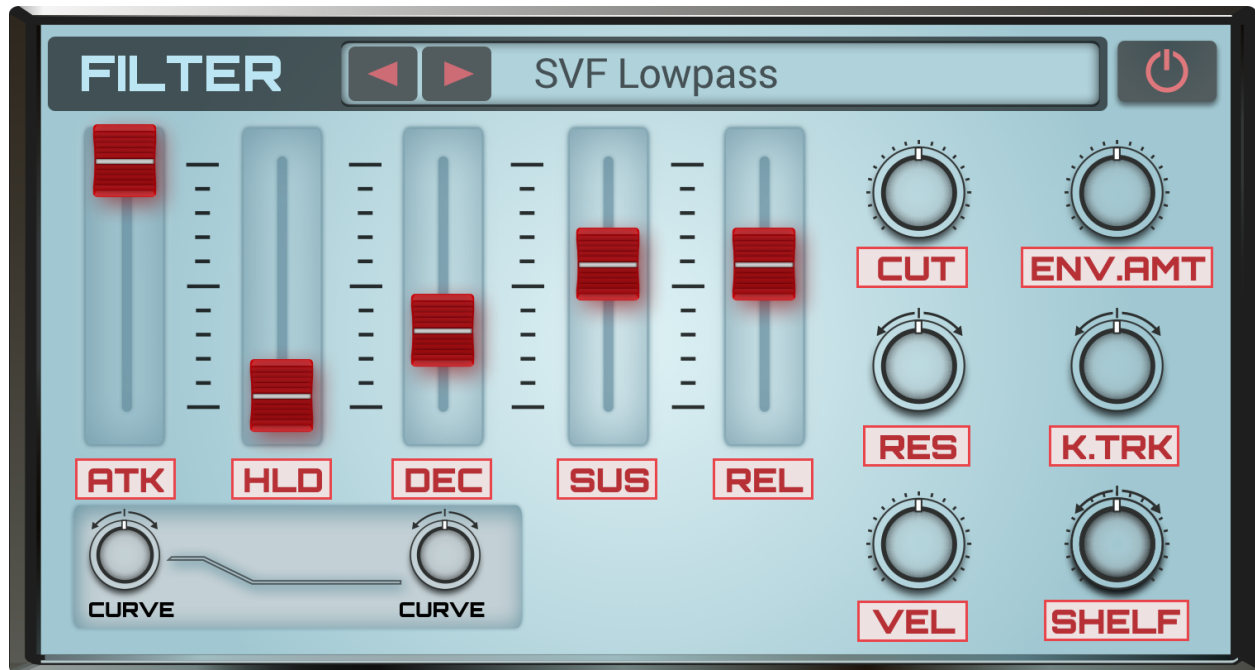
- Oscillator Display - Displays the name of the oscillator as per the oscillator selection numbers.
- Pitch Wheel Display - Displays the high and low pitch ranges of the pitch wheel
- Playmodes - Selects the particular Playmode of the oscillator
 - ➡ Poly - Polyphonic
 - ➡ Poly Porta - Polyphonic portamento as per the glide
 - ➡ Mono Retriever - Monophonic with no gliding effect
 - ➡ Mono Lega - Monophonic that glides only if played legato
 - ➡ Mono Porta - Monophonic that glides every time
 - ➡ Release - Plays when the keyboard is released
 - ➡ EP Release - Plays when the keyboard is released, but decays in volume the longer you hold it. This mimics the natural release decay of a piano.
- Glide - Determines the amount of glide between notes
- Color - Color mod is a formant pitch shifting algorithm that allows for variations in the amount of color as per the sound. It is much more noticeable with sounds with more harmonic content such as acoustic instruments
 - Color Knob - Determines the amount of color detuning. Negative values makes for a darker sound, where positive values make for a brother sound
 - Mod Knob - Allows the color to change as per the velocity played. The harder you hit the keyboard, the more positive the color value will be.
- Delay - Delay in playing the sound
- Random - Randomly play the sound
- VELO - Will determine the lower and upper velocity ranges
- K.Range - Determines the key range

MODWHEEL



- Display - Displays the Pitch modulation waveform, frequency, and sync options
- Modes - Determines the MODWHEEL modulator routing
 - Pitch - Standalone Pitch LFO
 - Filter - Controls the amount of Filter Cutoff is controlled
 - LFO - Determines the LFO Rate and Depth amounts
- Knob Labels - Labels will change according to MODWHEEL mode.

FILTER



- Filter Type - Determines the filter type
- Envelope - Controls the envelope of the cutoff
- ATK Curve - determines the curve of the attack (See AMP)
- Decay Curve - Determines the curve of the decay (See AMP)
- Cutoff - Determines the cutoff amount of the filter
- Rez - Controls the resonance of the filter
- Key.TRK - Controls the Key Tracking of the filter
- ENV.AMT - Determines the envelope amount of the filter
- VEL - Determines the velocity of the filter as per how hard you hit the keys.
- SHELF - Displays when using the SVF Shelf mode

LFO



- LFO Large Display
 - Shape - Determines the LFO shape
 - Sync - Sync LFO to DAW
 - Frequency - Determines the Frequency of the LFO
 - Bipolar - Bipolar operation
 - Retrigger - Allows for retriggering of the LFO
- Speed - Determines the Speed of the LFO
- Amount Knobs - Determines the amount that can be added to the total LFO
- Delay - Delays the LFO
- Fade - Gradually fades in the LFO
- Depth - Determines the depth of the LFO
- Smooth - Smooths the shape
- A.Touch - Determines the mount of aftertouch

MIXER

The red sliders allow you to control the sound's level as per the options:

- MIXER - Volume of the Sound
- INSERT SEND - Insert FX of the sound
- GLOBAL SEND - Global FX of the sound

The knobs at the bottom control the panning of the sound.

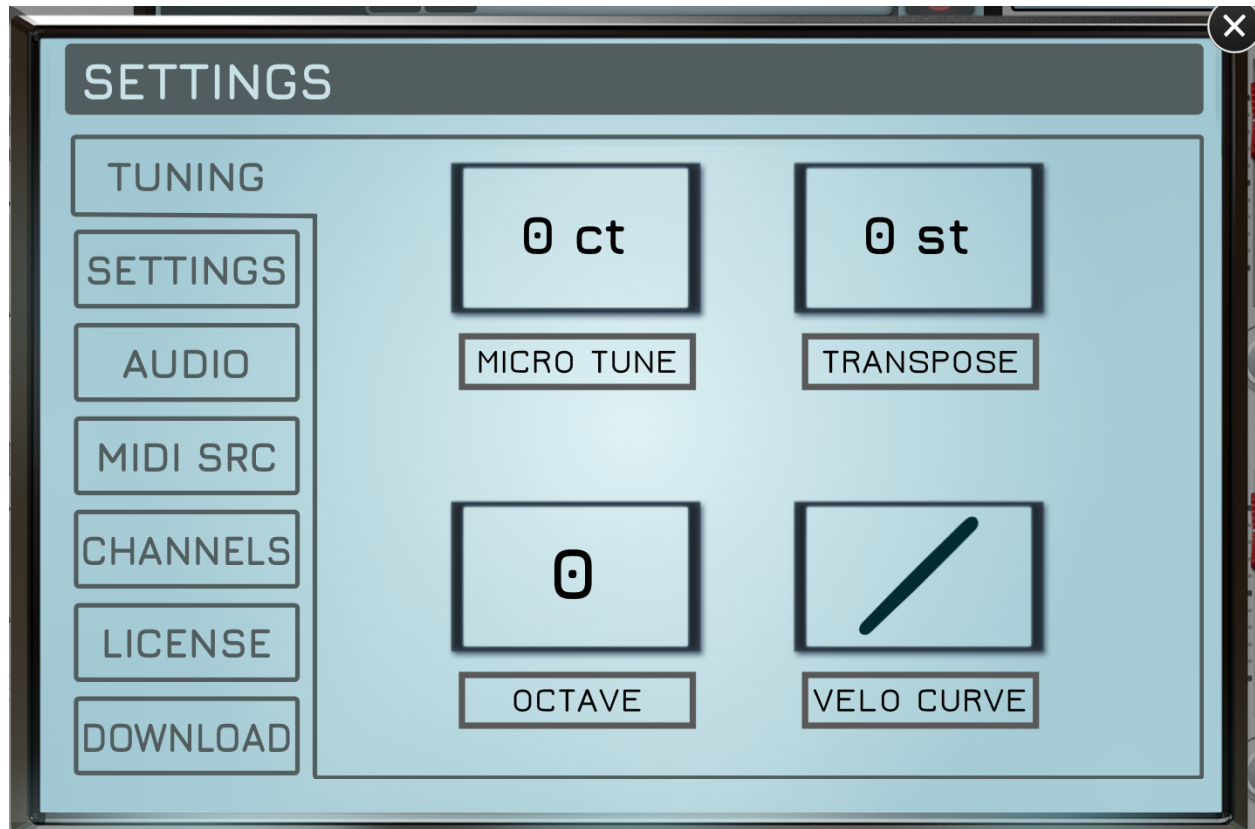


EFFECTS



- 1-8 Buttons - Each sound source can have up to 5-insert effects. Choose which button/number is associated with the sound you want to add effects to.
- GLOBAL - Global effects which applies effects to all 8 sounds.
- MASTER - Apply master effects to affect the overall output of the sound.
- Volume Slider - Controls the Master volume of the app.
- Empty Rack - The black rack that says **Effects ▼** is considered empty. Right+Click and you will see a list of effects in which to insert.

SETTINGS



Tuning

- **Micro Tune** - Sets the global microtone
- **Transpose** - Sets the global transpose
- **Octave** - Sets the global octave
- **Vero Curve** - Sets the global velocity curve

Settings

- **MIDI Sustain CC** - Learn the MIDI CC of the Sustain Pedal
- **MIDI Sostenuto CC** - Learn the MIDI CC of the Sostenuto Pedal
- **MIDI Soft Pedal CC** - Learn the MIDI CC of the Soft Pedal
- **MIDI CC Clear** - Clear All MIDI CC assignments
- **Streaming Mode** - Select the streaming mode. In general you always want to use an SSD, but in cases you don't have a fast SSD, then use the other modes.
- **Middle C** - Choose between the Yamaha or Roland way of determining middle C.
- **UI Size** - Change to specific UI sizes.
- **Auto Select OSC** - When editing a sound button, the app will automatically switch the oscillator editing number.
- **Show Log File** - Show the log files if there are any issues.
- **Auto Check New Version** - Check for new versions of the software.
- **Extended Logging** - Only enable this for advanced bugs as per tech support instructions.

Audio

- **Output Device** - Choose the audio driver in which to output the audio
- **Sample Rate** - Choose the sample rate
- **Buffer** - Choose the buffer size. The lower the buffer size, the faster the response, but the higher the CPU.

- **MIDI Output** - Forward all MIDI output to designated MIDI device or port.

MIDI SRC

- Choose the MIDI device by clicking on the check to enable it.
- **Refresh** - Hit refresh in order to find the device after first being plugged in.

Channels

- Choose the MIDI channels in which to receive from.

License

- **Serial Number** - Enter the serial number that is located on your invoice.
- **Activation Log** - If there are any issues, you can send us the Activation log.
- **Refresh** - reset and rescan your authorization and/or your expansion packs.
- **Deactivate** - Deactivate the computer, which releases an activation to that location.
- **Error Notification** - Shows the activation status, expansion pack status, and any errors in activation. When emailing our support, please indicate the exact error message.

MIDI CC Program Change Operation

The way our program change works is that you have the option to either Increase or Decrease the patches within the bank by +/- or you can MIDI Learn your favorite Sounds. You can access the options in settings

Some Important Notes about our Program Change Implantation:

1. The program change is limited to the category, so at the end of a patch of a category, it will loop through the category
2. If you want to access specific “favorite” patches, then the Brows Learn option is the way to go. This way you can create a type of concert list or preset list to be able to pull up your favorite presets.

