

## How does the XPression compare with the VL1-m / VL70-m? Which additional features can be found in the XPression that are not in the VLs, and are the sound samples comparable?

The XPression is sample based as opposed to the VL1-m / VL70-m which use Physical Modeling for tone generation. This gives the XPression a more realistic sound over the full instrument range.

While Physical Modeling can sound very good on some instruments and in certain registers it tends to get some kind of an unrealistic "plastic" feel once you go outside of the optimized range.

Not so with the XPression's sample engine. This Acoustic Modeling engine is also rather advanced in comparison to other sample based modules which cannot compare to the XPression in terms of dynamics, feel and playing response. The reason for this is that it does not use a plain sample playback with envelopes and filters but it takes advantage of a brand-new elaborate sample based synth engine called TDB ("True Dynamic Behavior").

For some detailed information about the sound production and some differences please read here:

<http://www.dynasample.com/downloads/TDB&AcoustiModelling.pdf>

Besides the differences in sound and tone production there are many additional features that are not found in most other sound modules (including the VLs):

- you can play monophonic or polyphonic sections that have an individual feel for each part – even on a monophonic wind controller. There are many different options for doing this as shown in these demos (all winds are played at once on a single track):

<a href="#">Sax section</a>	<i>(full 5-part Chord-Mapping for entire songs)</i>
<a href="#">Blues Harp</a>	<i>(second harmony part below - coming in with the bite controller)</i>
<a href="#">All of Me</a>	<i>(full 5-part multitimbral section with automatic backing track – starting on the 1<sup>st</sup> note)</i>
<a href="#">Brass Blues</a>	<i>(full multitimbral section – switching presets with foot switches for different chords)</i>

The Chord-Mapper can also be used for strumming guitar chords, string or organ pads, etc.

- you can layer samples and analog modeling sounds in each voice.  
e.g. the Cello uses the analog synth for natural, realistic string releases here:

[Bach Cello Suite No.1 in G - Courante](#)

*Also note the subtle differences in the bowing articulations and legato sound of the cello.*

- the XPression responds perfectly to a natural breath vibrato (like flute or oboe players, etc. use).  
*Of course traditional bite / reed / pitchbend vibrato is supported as well. Also CC1 modulation that should be used for individual vibrato in sections.*
- backing tracks (assignable per patch) – *starting automatically after a definable upbeat.*
- CC remapping: global and per preset for freely reassigning the reed, bite controller, glide strip, etc. to individual functions (like e.g. growl, multiphonics, vibrato, etc.) per patch.
- built in connectors for 2 pedals and 6 foot switches - freely assignable!  
*Together with the CC remapping you will never need any external MIDI boxes again ...*
- preset memories and preset maps for assigning incoming program changes to any patch number.
- channel switching for toggling between two instruments / MIDI channels.
- master keyboard function for controlling two additional external synths via the MIDI outputs - assignable & storable per patch.
- Line input for returning external synths, effect processors or backing tracks.
- MIC IN for natural growling with your voice with an optional contact / neck microphone.
- 4 MIDI in / outputs (2x MIDI, 2x MIDI over USB) – expandable to up to 12 MIDI inputs.
- 10 user banks for storing up to 1280 of your own patches plus (currently) 8 factory banks with emulations and synth presets – optimized for keyboards and wind controllers (*guitar is coming ...*).
- a built in graphical patch editor that can be accessed with a connected HDMI monitor, a USB mouse and a USB QWERTY keyboard. No external computer or MIDI connection needed!
- built in USB backup function.
- key remote for all functions directly from your MIDI controller.
- VST instrument for patch selection and mixing in your favorite DAW (Windows only).
- there are many unique and special playing techniques like brass falls, string position changes, adding harmonies, etc. that can be played perfectly with any wind controller, keyboard or MIDI guitar.
- free updates for adding new instruments and functions (*when did you get the last update for your VL?*).
- *there are many more features and on top of it new functions and instruments keep coming ...*