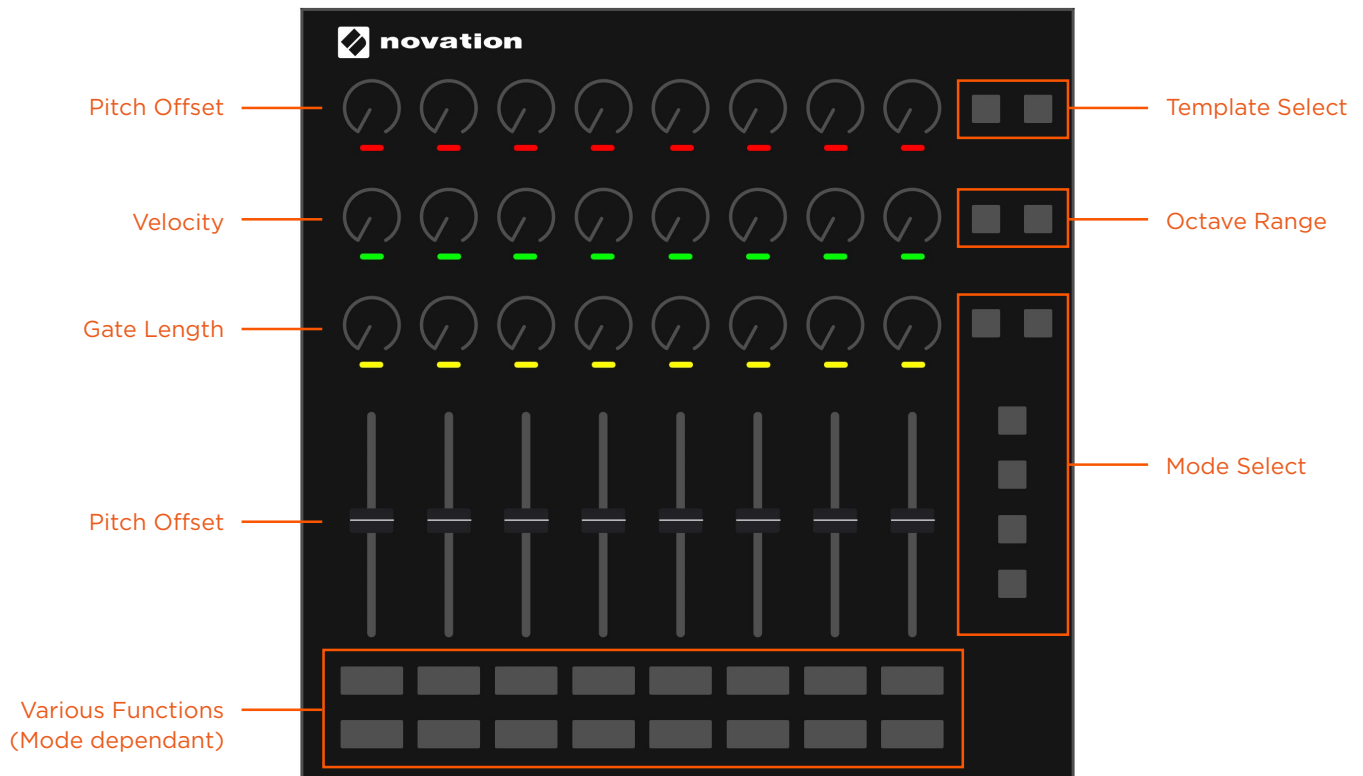# Novation LaunchControlXL

This extension was made to control an **Arpeggiator** device in Bitwig Studio. To use the extension, load the USER template on your controller. In Bitwig Studio, select a track that contains an **Arpeggiator** device. You can then control the first 8 steps of the **Arpeggiator**. If you switch focus onto another track that doesn't contain an **Arpeggiator**, the lights on the Launch Control will turn off.

Pitch Offset — Template Select

Velocity — Octave Range

Gate Length

Pitch Offset — Mode Select

Various Functions
(Mode dependant)

Template Select: The extension only works with User Mode 1 selected — all other modes are not supported. To activate User Mode 1, hold down the User button and press button 1 on the bottom row.

Octave Range: Select the octave range of the **Arpeggiator** (1 to 4)

Pitch Offset (Row 1 + Fader): Both controls offset the pitch of incoming notes by +/- 24 semitones. Values of both controls are simply added or subtracted from each other. The LEDs indicate the value of the aggregate offset:

Yellow = no transposition
Bright red = -12 or -24 semitones
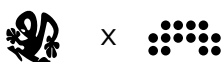Dim red = other values < 0 semitones
Bright green = +12 or +24 semitones
Dim green = other values > 0 semitones

Velocity (Row 2): Sets the velocity of each step. The higher the velocity value, the brighter the (green) LEDs will be.

Gate Length (Row 3): Sets the gate length of each step. The longer the gate length, the brighter the (yellow) LEDs will be. Turning the knob fully counter-clockwise will mute the step and turn off the LED.

2x8 Button Matrix: These buttons have various functions depending on the mode selected with the buttons on the right side (**Track Select** / **Device** / **Mute** / **Solo** / **Record Arm**).

Mode	Function
Default (no button active)	Row 1 = Step Skip Row 2 = Step Count
Track Select left	Row 1= Step Count Row 2 = Global Velocity (8 predefined values)
Track Select right	Row 1 = Step Skip Row 2 = Global Gate Length (8 predefined values)
Device	Row 1 Button 1 = Note type straight Button 2 = Note type dotted Button 3 = Note type triplet Button 5 = Enable / Disable shuffle Row 2 Button 1 = Base rate full note Button 2 = Base rate 1/2 note Button 3 = Base rate 1/4 note Button 4 = Base rate 1/8 note Button 5 = Base rate 1/16 note Button 6 = Base rate 1/32 note Button 7 = Base rate 1/64 note Button 8 = Retrigger on/off
Mute	Row 1 = Toggle velocity values between org. value and 100% Row 2 = Toggle gate length between org. value and 0% (Mute)
Solo	Row 1+2 = Select different arpeggiator patterns
Record Arm	Row 1+2 = Custom Scale Mode. Buttons represent a one octave keyboard and are used to activate or deactivate notes.